APPENDIX D

COMPUTER NOISE MODELING

INPUT/OUTPUT FILES

CALIBRATION INPUT/OUTPUT FILES

Segment 2 and 3
02 + 03 - Carmel Mountain Rd to Carmel Valley Rd ,Calibration ST3.1
T-L72 - SB Connector Flyover - Outer ST 512 to 525,1
0,65,0,65,0,65
T-L21 - NB Carmel Mnt Road Off Ramp,16
0,45,0,45,0,45
T-L23 - NB Carmel Mnt Road On Ramp,17
0,45,0,45,0,45
T-L24 - SB Carmel Mnt Road Off Ramp,18
0,45,0,45,0,45
T-L74 - SB Connector Flyover - Outer ST 525 to 535,19
0,65,0,65,0,65
T-L84 - SB Connector Flyover - Inner ST 525 to 535,20
0,65,0,65,0,65
T-L4 - SB General - Outer ST 525 to 535,21
0,65,0,65,0,65
T-L14 - SB General - Inner ST 525 to 535,22
4752,62,137,62,144,62
T-L54 - SB HOV 525 to 535,23
4752,62,137,62,144,62
T-L53 - NB HOV ST 525 to 535,24
3413,62,150,62,137,62
T-L13 - NB General - Inner ST 525 to 535,25
3413,62,150,62,137,62
T-L3 - NB General - Outer ST 525 to 535,26
0,65,0,65,0,65
T-L83 - NB Connector Flyover Inner - ST 525 to 535,27
0,65,0,65,0,65
T-L73 - NB Connector Flyover Outer - ST 525 to 535,28
0,65,0,65,0,65
L72 - SB Connector Flyover - Outer ST 512 to 525,1
N,908422,583018,28.7,L72.1,
N,908377,583109,28.3,L72.2,
N,908332,583197,28.3,L72.3,
N,908294,583273,28.5,L72.4,
N,908252,583342,28.9,L72.5,
N,908206,583405,29.4,L72.6,
N,908157,583463,29.8,L72.7
N,908100,583515,30.8,L72.8
N,908043,583566,31.8,L72.9
N,907982,583620,33.1,L72.10
N,907924,583673,34.2,L72.11
N,907854,583744,34.2,L72.12
N,907784,583822,33.7,L72.13
N,907730,583890,32.5,L72.14
N,907671,583973,30,L72.15
L82 - SB Connector Flyover - Inner ST 512 to 525,2,
N,908428,583022,28.7,L82.1
N,908382,583112,28.3,L82.2
N,908337,583201,28.3,L82.3
N,908298,583277,28.5,L82.4
N,908258,583347,28.9,L82.5
N,908213,583410,29.4,L82.6
N,908162,583469,29.8,L82.7
N,908104,583521,30.8,L82.8
N,908048,583571,31.8,L82.9

N,907987,583626,33.1,L82.10
N,907929,583678,34.2,L82.11
N,907859,583749,34.2,L82.12
N,907789,583826,33.7,L82.13
N,907736,583894,32.5,L82.14
N,907678,583976,30,L82.15
L2 - SB General - Outer ST 512 to 525,3,
N,908445,583030,29.2,L2.1
N,908399,583120,28.7,L2.2
N,908353,583209,29,L2.3
N,908315,583285,29.4,L2.4
N,908271,583354,30,L2.5
N,908224,583419,30.5,L2.6
N,908173,583476,31,L2.7
N,908113,583532,31.5,L2.8
N,908056,583580,32.3,L2.9
N,907994,583634,33.1,L2.10
N,907938,583689,33.5,L2.11
N,907868,583756,33.6,L2.12
N,907798,583834,33.2,L2.13
N,907745,583900,32.2,L2.14
N,907686,583982,29.7,L2.15
L12 - SB General - Inner ST 512 to 525,4,
N,908452,583033,29.2,L12.1
N,908406,583123,28.7,L12.2
N,908360,583213,29,L12.3
N,908322,583289,29.4,L12.4
N,908279,583359,30,L12.5
N,908230,583423,30.5,L12.6
N,908177,583481,31,L12.7
N,908116,583537,31.5,L12.8
N,908060,583585,32.3,L12.9
N,907999,583641,33.1,L12.10
N,907942,583695,33.5,L12.11
N,907873,583762,33.6,L12.12
N,907804,583837,33.2,L12.13
N,907750,583903,32.2,L12.14
N,907693,583986,29.7,L12.15
L52 - SB HOV - Outer 1 Lane 512 to 521,5,
N,908459,583036,29.2,L52.1
N,908412,583126,28.9,L52.2
N,908367,583216,29.3,L52.3
N,908328,583292,29.6,L52.4
N,908283,583364,30.3,L52.5
N,908236,583428,30.8,L52.6
N,908182,583486,31.2,L52.7
N,908122,583543,31.7,L52.8
N,908065,583591,32.3,L52.9
N,908002,583647,33.1,L52.10
N,907948,583701,33.5,L52.11
L52 - SB HOV - 2 Lanes 521 to 525,6,
N,907948,583701,33.5,L52.11
N,907879,583768,33.6,L52.12
N,907811,583843,33.3,L52.13
N,907758,583908,32,L52.14
N,907700,583989,29.5,L52.15

L62 - SB HOV - Inner 1 Lane 512 to 521,7,
N,908466,583040,29.2,L62.1
N,908421,583130,28.9,L62.2
N,908375,583221,29.3,L62.3
N,908336,583296,29.6,L62.4
N,908291,583370,30.3,L62.5
N,908243,583433,30.8,L62.6
N,908188,583493,31.2,L62.7
N,908126,583551,31.7,L62.8
N,908071,583599,32.3,L62.9
N,908006,583652,33.1,L62.10
N,907948,583701,33.5,L62.11
L61 - NB HOV - Inner 1 Lane ST 512 to 519,8,
N,908473,583044,29.2,L61.1
N,908427,583134,28.9,L61.2
N,908382,583224,29.2,L61.3
N,908343,583300,30.3,L61.4
N,908296,583375,30.8,L61.5
N,908249,583439,31.4,L61.6
N,908194,583500,31.7,L61.7
N,908134,583554,32.1,L61.8
N,908076,583604,32.5,L61.9
L51 - NB HOV - Outer 1 Lane ST 512 to 519,9,
N,908482,583048,29.2,L51.1
N,908437,583138,28.9,L51.2
N,908391,583229,29.2,L51.3
N,908352,583304,30.3,L51.4
N,908304,583380,30.8,L51.5
N,908256,583444,31.4,L51.6
N,908198,583505,31.7,L51.7
N,908136,583558,32.1,L51.8
N,908076,583604,32.5,L51.9
L51 - NB HOV - 2 Lanes ST 519 to 525,10,
N,908076,583604,32.5,L51.9
N,908012,583658,33.2,L51.10
N,907955,583709,33.5,L51.11
N,907885,583774,33.6,L51.12
N,907819,583848,33.3,L51.13
N,907765,583914,32,L51.14
N,907708,583996,29.5,L51.15
L11 - NB General - Inner ST 512 to 525,11,
N,908487,583051,29.2,L11.1
N,908443,583142,28.7,L11.2
N,908397,583232,29.1,L11.3
N,908358,583307,30.7,L11.4
N,908310,583384,31.3,L11.5
N,908262,583449,31.7,L11.6
N,908203,583510,32.1,L11.7
N,908140,583563,32.2,L11.8
N,908080,583611,32.4,L11.9
N,908017,583665,33.9,L11.10
N,907959,583714,33.3,L11.11
N,907891,583780,33.3,L11.12
N,907825,583853,33,L11.13
N,907772,583918,31.7,L11.14
N,907715,584001,29.3,L11.15

L1 - NB General - Outer ST 512 to 525 ,12,
N,908494,583055,29.2,L1.1
N,908450,583145,28.7,L1.2
N,908404,583235,29.1,L1.3
N,908365,583311,30.7,L1.4
N,908317,583389,31.3,L1.5
N,908267,583454,31.7,L1.6
N,908210,583514,32.1,L1.7
N,908145,583570,32.2,L1.8
N,908085,583618,32.4,L1.9
N,908022,583672,33.9,L1.10
N,907968,583720,33.3,L1.11
N,907899,583785,33.3,L1.12
N,907832,583858,33,L1.13
N,907779,583925,31.7,L1.14
N,907721,584005,29.3,L1.15
L22 - SB Carmel Mnt Road On Ramp,13,
N,908294,583273,28.5,L22.1
N,908251,583330,28.5,L22.2
N,908205,583396,28.7,L22.3
N,908164,583439,29.2,L22.4
N,908119,583479,29.5,L22.5
N,908063,583525,29.5,L22.6
N,907996,583581,27,L22.7
N,907940,583624,23,L22.8
N,907879,583671,18,L22.9
L81 - NB Connector Flyover - Inner ST 512 to 525,14,
N,908515,583066,28.8,L81.1
N,908469,583155,28.5,L81.2
N,908422,583246,29.5,L81.3
N,908383,583322,31.6,L81.4
N,908333,583399,32.4,L81.5
N,908282,583464,32.8,L81.6
N,908225,583526,33.2,L81.7
N,908158,583585,33.2,L81.8
N,908097,583635,32.7,L81.9
N,908035,583687,33.2,L81.10
N,907973,583737,33.2,L81.11
N,907910,583795,33.3,L81.12
N,907844,583868,32.3,L81.13
N,907792,583932,31.3,L81.14
N,907735,584011,29.9,L81.15
L71 - NB Connector Flyover - Outer ST 512 to 525,15,
N,908521,583069,28.8,L71.1
N,908475,583159,28.5,L71.2
N,908429,583249,29.5,L71.3
N,908389,583324,31.6,L71.4
N,908339,583403,32.4,L71.5
N,908288,583469,32.8,L71.6
N,908229,583531,33.2,L71.7
N,908160,583592,33.2,L71.8
N,908101,583641,32.7,L71.9
N,908039,583692,33.2,L71.10
N,907978,583743,33.2,L71.11
N,907915,583800,33.3,L71.12
N,907849,583872,32.3,L71.13

N,907798,583936,31.3,L71.14
N,907741,584015,29.9,L71.15
L21 - NB Carmel Mnt Road Off Ramp,16,
N,908229,583531,33.2,L21.1
N,908194,583572,33.2,L21.2
N,908135,583630,32.5,L21.3
N,908076,583696,30.5,L21.4
N,908037,583743,29,L21.5
N,908006,583784,28.5,L21.6
L23 - NB Carmel Mnt Road On Ramp,17,
N,907971,583823,29.3,L23.1
N,907922,583858,29.5,L23.2
N,907873,583897,29.5,L23.3
N,907822,583941,29.3,L23.4
N,907766,584001,29,L23.5
N,907714,584072,27,L23.6
N,907673,584141,25,L23.7
N,907638,584203,23,L23.8
N,907605,584270,21.5,L23.9
L24 - SB Carmel Mnt Road Off Ramp,18,
N,907831,583718,17.7,L24.1
N,907800,583758,18,L24.2
N,907759,583811,22,L24.3
N,907717,583868,26,L24.4
N,907686,583912,28,L24.5
N,907654,583960,29,L24.6
N,907628,584008,29,L24.7
N,907592,584086,27,L24.8
N,907564,584151,25,L24.9
N,907530,584239,22.5,L24.10
L74 - SB Connector Flyover - Outer ST 525 to 535,19,
N,907671,583973,30,L74.1
N,907618,584059,27.6,L74.2
N,907572,584147,25,L74.3
N,907530,584239,22.5,L74.4
N,907500,584318,20.4,L74.5
N,907467,584425,18.3,L74.6
N,907440,584513,16,L74.7
N,907411,584611,14.3,L74.8
N,907384,584704,13.5,L74.9
N,907356,584799,13.5,L74.10
N,907327,584896,13.5,L74.11
L84 - SB Connector Flyover - Inner ST 525 to 535,20,
N,907678,583976,30,L84.1
N,907624,584063,27.6,L84.2
N,907578,584150,25,L84.3
N,907537,584242,22.5,L84.4
N,907506,584319,20.4,L84.5
N,907473,584427,18.3,L84.6
N,907447,584516,16,L84.7
N,907418,584613,14.3,L84.8
N,907391,584707,13.5,L84.9
N,907363,584802,13.5,L84.10
N,907335,584898,13.5,L84.11
L4 - SB General - Outer ST 525 to 535,21,
N,907686,583982,29.7,L4.1

N,907634,584068,27.3,L4.2
N,907588,584156,24.7,L4.3
N,907548,584246,22.2,L4.4
N,907518,584322,20.2,L4.5
N,907484,584430,18.2,L4.6
N,907459,584520,16.5,L4.7
N,907432,584617,14.7,L4.8
N,907406,584710,13,L4.9
N,907379,584811,11.3,L4.10
N,907354,584907,9.4,L4.11
L14 - SB General - Inner ST 525 to 535,22,
N,907693,583986,29.7,L14.1
N,907641,584072,27.3,L14.2
N,907594,584159,24.7,L14.3
N,907554,584248,22.2,L14.4
N,907523,584325,20.2,L14.5
N,907490,584432,18.2,L14.6
N,907465,584522,16.5,L14.7
N,907440,584618,14.7,L14.8
N,907414,584712,13,L14.9
N,907387,584813,11.3,L14.10
N,907362,584910,9.4,L14.11
L54 - SB HOV 525 to 535,23,
N,907700,583989,29.5,L54.1
N,907648,584076,27,L54.2
N,907601,584163,24.5,L54.3
N,907561,584251,22,L54.4
N,907532,584327,20,L54.5
N,907499,584434,18,L54.6
N,907473,584524,16.5,L54.7
N,907448,584621,14.7,L54.8
N,907422,584715,13,L54.9
N,907396,584814,11.3,L54.10
N,907371,584912,9.3,L54.11
L53 - NB HOV ST 525 to 535,24,
N,907708,583996,29.5,L53.1
N,907657,584079,27,L53.2
N,907610,584167,24.5,L53.3
N,907571,584255,22,L53.4
N,907541,584329,20,L53.5
N,907508,584436,18,L53.6
N,907483,584525,16.5,L53.7
N,907457,584623,14.7,L53.8
N,907432,584715,13.2,L53.9
N,907406,584816,11.3,L53.10
N,907381,584912,9.5,L53.11
L13 - NB General - Inner ST 525 to 535,25,
N,907715,584001,29.3,L13.1
N,907664,584082,26.7,L13.2
N,907618,584170,24.3,L13.3
N,907578,584257,21.7,L13.4
N,907550,584331,20,L13.5
N,907517,584438,17.7,L13.6
N,907492,584527,16.3,L13.7
N,907466,584625,14.7,L13.8
N,907441,584718,13,L13.9

N,907414,584817,11.2,L13.10
N,907389,584914,9.3,L13.11
L3 - NB General - Outer ST 525 to 535,26,
N,907721,584005,29.3,L3.1
N,907672,584086,26.7,L3.2
N,907626,584173,24.3,L3.3
N,907586,584261,21.7,L3.4
N,907558,584333,20,L3.5
N,907524,584440,17.7,L3.6
N,907499,584530,16.3,L3.7
N,907474,584628,14.7,L3.8
N,907448,584720,13,L3.9
N,907422,584819,11.2,L3.10
N,907397,584917,9.3,L3.11
L83 - NB Connector Flyover Inner - ST 525 to 535,27,
N,907735,584011,29,L83.1
N,907685,584093,26.5,L83.2
N,907638,584180,24,L83.3
N,907598,584267,21.5,L83.4
N,907570,584338,19.6,L83.5
N,907536,584445,17.5,L83.6
N,907512,584532,16,L83.7
N,907486,584631,14.3,L83.8
N,907462,584723,12.5,L83.9
N,907435,584821,10.7,L83.10
N,907409,584918,9,L83.11
L73 - NB Connector Flyover Outer - ST 525 to 535,28,
N,907741,584015,29,L73.1
N,907691,584095,26.5,L73.2
N,907645,584183,24,L73.3
N,907605,584270,21.5,L73.4
N,907577,584340,19.6,L73.5
N,907544,584447,17.5,L73.6
N,907521,584535,16,L73.7
N,907493,584633,14.3,L73.8
N,907469,584725,12.5,L73.9
N,907441,584823,10.7,L73.10
N,907415,584919,9,L73.11
B50 - Center Divider ST 512 to 520,1,2,0,0
908469,583043,29.2,30.2,B50.1
908425,583132,28.9,29.9,B50.2
908379,583223,29.3,30.3,B50.3
908340,583298,30.3,31.3,B50.4
908293,583372,30.8,31.8,B50.5
908246,583435,31.4,32.4,B50.6
908192,583494,31.7,32.7,B50.7
908130,583553,32.1,33.1,B50.8
908073,583601,32.5,33.5,B50.9
908009,583654,33.2,34.2,B50.10
B1 - Nat Barrier NB Side,2,2,0,0
908423,583356,46.5,46.5,B1.1
908383,583429,50,50,B1.2
908371,583465,52.5,52.5,B1.3
908342,583500,54,54,B1.4
908331,583513,56,56,B1.5
B1 - Prop Wall 6' at ROW,3,2,0,0

908331,583513,56,57.8,B1.5
908312,583538,56.3,58.1,B1.6
908290,583552,56.5,58.3,B1.7
908260,583590,56.5,58.3,B1.8
908248,583597,56.5,58.3,B1.9
908231,583621,56.1,57.9,B1.10
B2 - Prop Wall 6' at ROW,4,2,0,0
908231,583621,56.1,57.9,B2.1
908205,583641,54.8,56.6,B2.2
908179,583674,54.6,56.4,B2.3
908141,583717,54.5,56.3,B2.4
908110,583752,53.9,55.7,B2.5
908097,583771,53.5,55.3,B2.6
908081,583786,53.5,55.3,B2.7
908084,583801,53.5,55.3,B2.8
908106,583823,53.5,55.3,B2.9
908128,583846,53.5,55.3,B2.10
B3 - Prop Wall 6' at ROW,5,2,0,0
908166,584004,56.2,58,B3.1
908106,584004,57.2,59,B3.2
908098,584009,59.3,61.1,B3.3
908066,584003,59.2,61,B3.4
908000,584001,60.3,62.1,B3.5
907951,583999,60.7,62.5,B3.6
907910,583996,60.8,62.6,B3.7
907873,583996,60.7,62.5,B3.8
907864,584024,60.5,62.3,B3.9
907844,584035,60.2,62,B3.10
B3 - Nat Barrier in front of prop wall,6,2,0,0
907873,583996,60.7,60.7,B3.8
907844,584035,60.2,60.2,B3.10
B7 - Nat Barrier NB side,7,2,0,0
907998,583887,52,52,B7.1
907983,583897,54,54,B7.2
907935,583929,54,54,B7.3
907921,583938,52,52,B7.4
907907,583950,54,54,B7.5
907873,583996,60.7,60.7,B7.6
B4 - Prop Wall 6' at ROW,8,2,0,0
907844,584035,60.2,62,B4.1
907824,584070,60,61.8,B4.2
907834,584085,60,61.8,B4.3
907876,584119,60.7,62.5,B4.4
907856,584134,60.5,62.3,B4.5
907835,584141,60.6,62.4,B4.6
907810,584157,61,62.8,B4.7
907787,584163,61.3,63.1,B4.8
907757,584162,61.5,63.3,B4.9
907735,584194,60.5,62.3,B4.10
B5 - Prop Wall 6' at ROW,9,2,0,0
907735,584194,60.5,62.3,B5.1
907740,584209,61.5,63.3,B5.2
907750,584226,63.5,65.3,B5.3
907756,584267,64.3,66.1,B5.4
907753,584294,65,66.8,B5.5
907745,584321,65.5,67.3,B5.6

907753,584346,65.8,67.6,B5.7
907750,584371,65.5,67.3,B5.8
907754,584385,64.5,66.3,B5.9
907744,584396,64,65.8,B5.10
B6 - Prop Wall 6' at ROW,10,2,0,0
907744,584396,64,65.8,B6.1
907727,584382,64.7,66.5,B6.2
907710,584387,64.7,66.5,B6.3
907703,584411,64.8,66.6,B6.4
907710,584436,64.9,66.7,B6.5
907716,584461,65.2,67,B6.6
907741,584443,65.2,67,B6.7
B51 - Center Divider ST 520 to 528,11,2,0,0
908009,583654,33.2,34.2,B51.1
907951,583705,33.5,34.5,B51.2
907882,583771,33.6,34.6,B51.3
907815,583846,33.3,34.3,B51.4
907761,583911,32,33,B51.5
907705,583992,29.5,30.5,B51.6
907652,584076,27,28,B51.7
907606,584164,24.5,25.5,B51.8
907566,584252,22,23,B51.9
907537,584328,20,21,B51.10
B52 - Center Divider ST 528 to 535,12,2,0,0
907537,584328,20,21,B52.1
907504,584435,18,19,B52.2
907479,584525,16.5,17.5,B52.3
907453,584622,14.7,15.7,B52.4
907428,584715,13.2,14.2,B52.5
907401,584815,11.3,12.3,B52.6
907375,584912,9.5,10.5,B52.7
R,1,67,4
908310,583545,57.8,R2.1
R,2,67,4
908228,583633,57.2,R2.2
R,3,67,4
908151,583712,56,R2.3
R,4,67,4
908087,583789,55,R2.4
R,5,67,4
908112,583823,55,R2.5
R,6,67,4
908110,584009,58.3,R3.1
R,7,67,4
908007,584005,61.8,R3.2
R,8,67,4
907937,584003,62.3,R3.3
R,9,67,4
907873,584010,62,R3.4
R,10,67,4
907903,584055,62.4,R3.5
R,11,67,4
907828,584069,61.7,R3.6
R,12,67,4
907871,584108,61.8,R3.7
R,13,67,4

907842,584144,62.1,R3.8
R,14,67,4
907776,584165,63,R3.9
R,15,67,4
907741,584197,63,R3.10
R,16,67,4
907759,584294,66.1,R3.11
R,17,67,4
907756,584368,67,R3.12
R,18,67,4
907714,584391,66.2,R3.13
R,19,67,4
907718,584448,66.5,R3.14
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
02 + 03 - CARMEL MOUNTAIN RD TO CARMEL VALLEY RD ,CALIBRATION,0,FT

1

BARRIER DATA
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BAR ELE		0	1	2	3	4	5	6	7	BARRIER HEIGHTS ID	BAR LENGTH	TYPE
1	-	3.*								B50.1	325.7	
2	-	3.*								B50.2	334.6	
3	-	3.*								B50.3	277.3	
4	-	3.*								B50.4	287.6	
5	-	3.*								B50.5	257.9	
6	-	3.*								B50.6	262.5	
7	-	3.*								B50.7	280.8	
8	-	3.*								B50.8	244.4	
9	-	3.*								B50.9	272.6	
10	-	0.*								B1.1	273.3	
11	-	0.*								B1.2	124.8	
12	-	0.*								B1.3	149.2	
13	-	0.*								B1.4	56.2	
14	-	6.*								B1.5	103.1	
15	-	6.*								B1.6	85.5	
16	-	6.*								B1.7	158.9	
17	-	6.*								B1.8	45.5	
18	-	6.*								B1.9	96.6	
19	-	6.*								B2.1	107.7	
20	-	6.*								B2.2	137.8	
21	-	6.*								B2.3	188.3	
22	-	6.*								B2.4	153.5	
23	-	6.*								B2.5	75.5	
24	-	6.*								B2.6	72.0	
25	-	6.*								B2.7	50.2	
26	-	6.*								B2.8	102.1	
27	-	6.*								B2.9	104.4	
28	-	6.*								B3.1	196.8	
29	-	6.*								B3.2	31.8	
30	-	6.*								B3.3	106.7	
31	-	6.*								B3.4	216.7	
32	-	6.*								B3.5	160.8	
33	-	6.*								B3.6	135.0	
34	-	6.*								B3.7	121.3	
35	-	6.*								B3.8	96.5	
36	-	6.*								B3.9	74.9	
37	-	0.*								B3.8	159.4	

38	-	0.*	B7.1	59.5
39	-	0.*	B7.2	189.3
40	-	0.*	B7.3	55.0
41	-	0.*	B7.4	60.9
42	-	0.*	B7.5	188.9
43	-	6.*	B4.1	132.3
44	-	6.*	B4.2	59.1
45	-	6.*	B4.3	177.3
46	-	6.*	B4.4	82.0
47	-	6.*	B4.5	72.6
48	-	6.*	B4.6	97.4
49	-	6.*	B4.7	78.0
50	-	6.*	B4.8	98.5
51	-	6.*	B4.9	127.5
52	-	6.*	B5.1	52.0
53	-	6.*	B5.2	65.1
54	-	6.*	B5.3	136.0
55	-	6.*	B5.4	89.2
56	-	6.*	B5.5	92.3
57	-	6.*	B5.6	86.2
58	-	6.*	B5.7	82.6
59	-	6.*	B5.8	47.8
60	-	6.*	B5.9	48.8
61	-	6.*	B6.1	72.2
62	-	6.*	B6.2	58.2
63	-	6.*	B6.3	82.0
64	-	6.*	B6.4	85.2
65	-	6.*	B6.5	84.4
66	-	6.*	B6.6	101.1
67	-	3.*	B51.1	253.5
68	-	3.*	B51.2	313.3
69	-	3.*	B51.3	329.9
70	-	3.*	B51.4	277.3
71	-	3.*	B51.5	323.2
72	-	3.*	B51.6	325.9
73	-	3.*	B51.7	326.0
74	-	3.*	B51.8	317.3
75	-	3.*	B51.9	266.9
76	-	3.*	B52.1	367.5
77	-	3.*	B52.2	306.4
78	-	3.*	B52.3	329.6
79	-	3.*	B52.4	316.0
80	-	3.*	B52.5	339.9
81	-	3.*	B52.6	329.5

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REC	REC ID	DNL	PEOPLE	LEQ(CAL)
1	R2.1	67.	500.	65.6
2	R2.2	67.	500.	65.8
3	R2.3	67.	500.	66.6
4	R2.4	67.	500.	66.4
5	R2.5	67.	500.	63.0
6	R3.1	67.	500.	57.9
7	R3.2	67.	500.	62.8
8	R3.3	67.	500.	63.9
9	R3.4	67.	500.	64.7
10	R3.5	67.	500.	59.3
11	R3.6	67.	500.	66.7
12	R3.7	67.	500.	59.9
13	R3.8	67.	500.	62.0
14	R3.9	67.	500.	64.9
15	R3.10	67.	500.	67.8
16	R3.11	67.	500.	61.3
17	R3.12	67.	500.	60.9
18	R3.13	67.	500.	63.2
19	R3.14	67.	500.	61.6

BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1

CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION

3. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.
6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 0. 0. 0. 0. 0. 0. 0. 6. 6. 6. 6. 6. 6. 6. 6.
6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 3. 3. 3. 3. 3. 3. 3. 3.
3. 3. 3. 3. 3. 3.

Segment 4
04 - Carmel Valley Road to Del Mar Heights NORTH,Calibration ST4.3 and ST4.4
T-L6 - SB General - Outer ST 538 to 550,1
3056,70,162,70,134,70
T-L16 - SB General - Inner ST 538 to 550,2
3056,70,162,70,134,70
T-L56 - SB HOV ST 538 to 550,3
0,65,0,65,0,65
T-L55 - NB HOV ST 538 to 550,4
813,70,15,70,3,70
T-L15 - NB General - Inner ST 538 to 550,5
3285,70,131,70,120,70
T-L5 - NB General - Outer ST 538 to 550,6
3285,70,131,70,120,70
T-L85 - NB Flyover over Carmel Valley Rd,7
0,65,0,65,0,65
T-L27 - NB Carmel Valley Road On-ramp,8
0,45,0,45,0,45
T-L28 - SB Carmel Valley Rd Off-ramp,9
0,45,0,45,0,45
T-L28 - SB Aux Lane,10
0,65,0,65,0,65
T-L76 - SB Flyover over Carmel Valley Rd,11
0,65,0,65,0,65
T-L30 - SB Del Mar Heights On-ramp,12
354,45,6,45,0,45
T-L32 - SB DelMar Hts Loop On-ramp,13
0,45,0,45,0,45
T-L8 - SB General - Outer ST 552 to 558,14
3056,70,162,70,134,70
T-L18 - SB General - Inner ST 552 to 558,15
3056,70,162,70,134,70
T-L58 - SB HOV ST 552 to 558,16
0,65,0,65,0,65
T-L57 - NB HOV ST 552 to 558,17
813,70,15,70,3,70
T-L17 - NB General - Inner ST 552 to 558,18
3285,70,131,70,120,70
T-L7 - NB General - Outer St 552 to 558,19
3285,70,131,70,120,70
T-L29 - NB Aux Lane ST 546 to 555,20
0,65,0,65,0,65
T-L31 - NB Del Mar Hts Off-ramp,21
1062,45,18,45,9,45
T-L21 NB DEL MAR HEIGHTS ON-RAMP ,22
0,45,0,45,0,45
T-L22 SB DEL MAR HEIGHTS OFF-RAMP,23
0,45,0,45,0,45
L6 - SB General - Outer ST 538 to 550,1
N,907293,585257,11.5,L6.1
N,907286,585337,14,L6.2
N,907277,585441,17,L6.3
N,907272,585548,20,L6.4
N,907266,585647,23,L6.5
N,907259,585745,26,L6.6
N,907255,585848,29,L6.7

N,907249,585945,32,L6.8
N,907243,586046,34.8,L6.9
N,907236,586140,37.7,L6.10
N,907222,586243,40.7,L6.11
N,907208,586342,43.8,L6.12
N,907194,586441,46.7,L6.13
N,907179,586537,49.7,L6.14
N,907164,586636,52.7,L6.15
L16 - SB General - Inner ST 538 to 550,2,
N,907300,585260,11.5,L16.1
N,907291,585340,14,L16.2
N,907284,585442,17,L16.3
N,907278,585549,20,L16.4
N,907273,585648,23,L16.5
N,907268,585745,26,L16.6
N,907263,585848,29,L16.7
N,907257,585946,32,L16.8
N,907251,586045,34.8,L16.9
N,907243,586141,37.7,L16.10
N,907231,586245,40.7,L16.11
N,907217,586344,43.8,L16.12
N,907202,586442,46.7,L16.13
N,907188,586537,49.7,L16.14
N,907173,586637,52.7,L16.15
L56 - SB HOV ST 538 to 550,3,
N,907307,585264,11.5,L56.1
N,907298,585346,14,L56.2
N,907292,585444,16.9,L56.3
N,907287,585549,20,L56.4
N,907281,585648,23,L56.5
N,907277,585746,26,L56.6
N,907271,585848,29,L56.7
N,907266,585946,32,L56.8
N,907261,586044,35,L56.9
N,907252,586142,38,L56.10
N,907239,586245,41,L56.11
N,907225,586345,44,L56.12
N,907211,586444,47,L56.13
N,907196,586539,50,L56.14
N,907181,586638,53,L56.15
L55 - NB HOV ST 538 to 550,4,
N,907318,585262,11.2,L55.1
N,907310,585348,14,L55.2
N,907303,585446,16.7,L55.3
N,907297,585550,20,L55.4
N,907292,585650,23,L55.5
N,907286,585749,26,L55.6
N,907281,585850,29,L55.7
N,907277,585946,32,L55.8
N,907271,586044,35,L55.9
N,907263,586141,38,L55.10
N,907251,586244,41,L55.11
N,907236,586347,44,L55.12
N,907221,586443,47,L55.13
N,907206,586543,50,L55.14
N,907192,586642,53,L55.15

L15 - NB General - Inner ST 538 to 550,5,
N,907326,585264,11.2,L15.1
N,907319,585350,14,L15.2
N,907311,585447,16.7,L15.3
N,907305,585551,20,L15.4
N,907301,585651,23,L15.5
N,907296,585751,26,L15.6
N,907290,585852,29,L15.7
N,907285,585947,32,L15.8
N,907279,586045,35.3,L15.9
N,907271,586141,38.2,L15.10
N,907258,586245,41.2,L15.11
N,907244,586348,44,L15.12
N,907230,586445,47,L15.13
N,907215,586545,49.9,L15.14
N,907200,586644,52.8,L15.15
L5 - NB General - Outer ST 538 to 550,6,
N,907334,585266,11.2,L5.1
N,907325,585353,14,L5.2
N,907318,585447,16.7,L5.3
N,907313,585551,20,L5.4
N,907307,585652,23,L5.5
N,907301,585752,26,L5.6
N,907298,585853,29,L5.7
N,907294,585948,32,L5.8
N,907288,586047,35.3,L5.9
N,907280,586143,38.2,L5.10
N,907267,586247,41.2,L5.11
N,907253,586351,44,L5.12
N,907238,586448,47,L5.13
N,907223,586548,49.9,L5.14
N,907209,586647,52.8,L5.15
L85 - NB Flyover over Carmel Valley Rd,7,
N,907388,585210,7.5,L85.1
N,907390,585270,14,L85.2
N,907388,585311,22,L85.3
N,907381,585347,24,L85.4
N,907363,585408,24,L85.5
N,907340,585471,23,L85.6
N,907328,585522,22,L85.7
N,907319,585581,21,L85.8
N,907314,585653,23,L85.9
N,907308,585752,26,L85.10
N,907298,585853,29,L85.11
L27 - NB Carmel Valley Road On-ramp,8,
N,907376,585438,8.6,L27.1
N,907365,585482,10,L27.2
N,907351,585545,14,L27.3
N,907337,585606,18,L27.4
N,907326,585674,22,L27.5
N,907316,585749,25.5,L27.6
N,907312,585816,27.5,L27.7
N,907306,585900,30,L27.8
N,907302,585952,32,L27.9
N,907295,586048,35.3,L27.10
L28 - SB Carmel Valley Rd Off-ramp,9,

N,907224,585339,6.7,L28.1A
N,907217,585380,7.5,L28.1
N,907222,585415,9,L28.2
N,907229,585466,11.9,L28.3
N,907238,585521,15,L28.4
N,907243,585588,19,L28.5
N,907245,585649,22,L28.6
N,907247,585716,24.5,L28.7
N,907249,585794,27,L28.8
N,907248,585848,29,L28.9
L28 - SB Aux Lane,10,
N,907248,585848,29,L28.9
N,907244,585944,31.7,L28.10
N,907237,586044,34.8,L28.11
N,907230,586139,37.7,L28.12
N,907217,586242,40.7,L28.13
N,907202,586341,43.8,L28.14
N,907189,586440,46.7,L28.15
N,907173,586536,49.7,L30.2
N,907160,586635,52.7,L30.3
N,907144,586734,5.7,L30.4
L76 - SB Flyover over Carmel Valley Rd,11,
N,907265,585218,16,L76.1
N,907264,585317,16.7,L76.2
N,907265,585418,17.3,L76.3
N,907265,585504,18.5,L76.4
N,907264,585592,21,L76.5
N,907260,585648,22.5,L76.6
N,907259,585745,25.7,L76.7
L30 - SB Del Mar Heights On-ramp,12,
N,907144,586734,55.7,L30.4
N,907130,586816,58,L30.5
N,907115,586900,60.5,L30.6
N,907102,586967,63.8,L30.7
N,907082,587045,69.7,L30.8
N,907061,587122,76,L30.9
N,907051,587151,78.4,L30.10
N,907036,587175,80.7,L30.11
N,907010,587206,84,L30.12
N,906992,587228,86,L30.13
N,906980,587242,86.6,L30.14
L32 - SB DelMar Hts Loop On-ramp,13,
N,907089,587133,67.7,L32.1
N,907074,587206,70,L32.2
N,907058,587284,71.6,L32.3
N,907045,587344,72.2,L32.4
N,907029,587376,72.6,L32.5
N,906995,587389,74.8,L32.6
N,906964,587377,78,L32.7
N,906949,587355,80.4,L32.8
N,906950,587327,82.8,L32.9
N,906970,587283,86,L32.10
L8 - SB General - Outer ST 552 to 558,14,
N,907164,586636,52.7,L8.1
N,907150,586735,55.7,L8.2
N,907133,586832,58.7,L8.3

N,907118,586937,61.9,L8.4
N,907105,587030,64.7,L8.5
N,907089,587133,67.7,L8.6
N,907072,587236,70.7,L8.7
N,907055,587347,72.6,L2.1
N,907043,587425,72.8,L2.2
N,907028,587523,72.4,L2.3
N,907014,587623,70.5,L2.4
N,907000,587712,68,L2.5
L18 - SB General - Inner ST 552 to 558,15,
N,907173,586637,52.7,L18.1
N,907158,586736,55.7,L18.2
N,907144,586834,58.7,L18.3
N,907128,586938,61.9,L18.4
N,907115,587033,64.7,L18.5
N,907098,587135,67.7,L18.6
N,907083,587238,70.7,L18.7
N,907065,587348,72.6,L12.1
N,907053,587427,72.8,L12.2
N,907039,587525,72.4,L12.3
N,907025,587624,70.5,L12.4
N,907011,587712,68,L12.5
L58 - SB HOV ST 552 to 558,16,
N,907181,586638,53,L58.1
N,907167,586738,56,L58.2
N,907152,586835,59,L58.3
N,907137,586939,62,L58.4
N,907124,587034,65,L58.5
N,907107,587137,68,L58.6
N,907092,587240,71,L58.7
N,907074,587350,72.7,L52.1
N,907062,587428,73.2,L52.2
N,907047,587527,72.6,L52.3
N,907033,587626,70.6,L52.4
N,907020,587714,68,L52.5
L57 - NB HOV ST 552 to 558,17,
N,907192,586642,53,L57.1
N,907178,586740,56,L57.2
N,907164,586839,59,L57.3
N,907147,586940,62,L57.4
N,907133,587038,65,L57.5
N,907119,587136,68,L57.6
N,907103,587241,71,L57.7
N,907087,587351,72.8,L51.1
N,907074,587429,73.2,L51.2
N,907060,587528,72.6,L51.3
N,907045,587627,70.6,L51.4
N,907032,587716,68,L51.5
L17 - NB General - Inner ST 552 to 558,18,
N,907200,586644,52.8,L17.1
N,907186,586742,55.8,L17.2
N,907170,586840,58.8,L17.3
N,907156,586942,61.9,L17.4
N,907142,587039,64.8,L17.5
N,907127,587138,67.8,L17.6
N,907113,587243,70.8,L17.7

N,907094,587352,72.4,L11.1
N,907083,587430,72.8,L11.2
N,907069,587529,72.4,L11.3
N,907054,587628,70.5,L11.4
N,907041,587717,68,L11.5
L7 - NB General - Outer St 552 to 558,19,
N,907209,586647,52.8,L7.1
N,907194,586744,55.8,L7.2
N,907179,586842,58.8,L7.3
N,907165,586945,61.9,L7.4
N,907151,587042,64.8,L7.5
N,907138,587141,67.8,L7.6
N,907123,587246,70.8,L7.7
N,907105,587353,72.4,L1.1
N,907093,587432,72.8,L1.2
N,907080,587530,72.4,L1.3
N,907064,587630,70.5,L1.4
N,907050,587718,68,L1.5
L29 - NB Aux Lane ST 546 to 555,20,
N,907295,586048,35.3,L29.1
N,907286,586144,38.2,L29.2
N,907274,586248,41.2,L29.3
N,907259,586354,44,L29.4
N,907245,586450,46.9,L29.5
N,907230,586549,49.9,L29.6
N,907216,586649,52.8,L29.7
N,907201,586746,55.8,L29.8
N,907187,586841,58.8,L29.9
N,907172,586948,61.7,L29.10
L31 - NB Del Mar Hts Off-ramp,21,
N,907172,586948,61.7,L31.1
N,907167,587018,63.9,L31.2
N,907162,587077,65.5,L31.3
N,907159,587137,67.8,L31.4
N,907165,587196,71.4,L31.5
N,907181,587253,75.2,L31.6
N,907193,587298,77.5,L31.7
N,907188,587337,78.3,L31.8
L21 DEL MAR HEIGHTS ON-RAMP TO NB,22,
N,907165,587374,78.8,L21.1
N,907147,587406,77.8,L21.2
N,907109,587484,73.6,L21.3
N,907095,587540,72,L21.4
N,907082,587594,71,L21.5
N,907074,587635,70.3,L21.6
L22 SB OFF-RAMP TO DEL MAR HEIGHTS RD,23,
N,906943,587276,86.6,L22.1
N,906927,587314,85.8,L22.2
N,906925,587357,84.6,L22.3
N,906935,587395,82.9,L22.4
N,906951,587431,80.8,L22.5
N,906979,587485,77.8,L22.6
N,906994,587542,74.8,L22.7
N,906995,587601,71.7,L22.8
B53 - Center Divider ST 537 to 546,1,2,0,0
907313,585261,11.5,12.5,B53.2

907304,585346,14,15,B53.3
907297,585444,16.9,17.9,B53.4
907291,585550,20,21,B53.5
907286,585649,27,28,B53.6
907281,585746,26,27,B53.7
907276,585850,29,30,B53.8
907271,585946,32,33,B53.9
907265,586044,35,36,B53.10
B54 - Center Divider ST 546 to 555,2,2,0,0
907265,586044,35,36,B54.1
907256,586142,38,39,B54.2
907244,586242,41,42,B54.3
907230,586346,44,45,B54.4
907215,586444,47,48,B54.5
907201,586539,50,51,B54.6
907186,586639,53,54,B54.7
907171,586739,56,57,B54.8
907157,586836,59,60,B54.9
907141,586939,62,63,B54.10
B55 - Center Divider ST 555 to 558,3,2,0,0
907141,586939,62,63,B55.1
907128,587034,65,66,B55.2
907113,587135,68,69,B55.3
907098,587240,71,72,B55.4
907080,587351,72.7,73.7,B50.1
907068,587428,73.2,74.2,B50.2
907054,587527,72.6,73.6,B50.3
907039,587626,70.6,71.6,B50.4
907026,587714,68,69,B50.5
B3 - Exist Soundwall SB Side 20',4,2,0,0
907220,585714,34.5,40.5,B3.8
907223,585771,35,41,B3.9
907225,585803,35.5,41.5,B4.1
907226,585872,36,42,B4.2
907226,585913,36.5,42.5,B4.3
907223,585941,38,44,B4.4
907221,585967,40,46,B4.5
907217,585988,42.3,48.3,B4.6
B4 - 7' Glass Soundwall SB side,5,2,0,0
907217,585988,42.3,44.4,B4.6
907215,586007,43,45.1,B4.7
907216,586040,45.2,47.3,B4.8
907214,586091,45,47.1,B4.9
907204,586124,50,52.1,B4.10
B5 - 7' Glass Soundwall SB Side,6,2,0,0
907204,586124,50,52.1,B5.1
907198,586162,52,54.1,B5.2
907193,586200,54,56.1,B5.3
907184,586259,57,59.1,B5.4
907174,586320,59.5,61.6,B5.5
907163,586378,63.5,65.6,B5.6
907151,586438,65.5,67.6,B5.7
907140,586498,67.5,69.6,B5.8
907130,586570,68.5,70.6,B5.9
907126,586611,69.3,71.4,B5.10
B6 - 7' Glass Soundwall SB Side,7,2,0,0

907126,586611,69.7,71.8,B6.1
907118,586667,70.5,72.6,B6.2
907107,586740,72,74.1,B6.3
907099,586799,72.5,74.6,B6.4
907087,586879,74,76.1,B6.5
907076,586949,75,77.1,B6.6
907067,586997,76.5,78.6,B6.7
907059,587029,77.5,79.6,B6.8
907049,587058,79,81.1,B6.9
B7 - Nat Barrier Apt complex,8,2,0,0
907049,587058,79,79,B6.9
907041,587069,84,84,B7.1
907028,587110,84,84,B7.2
907016,587153,86,86,B7.3
907002,587187,86,86,B7.4
906984,587209,86,86,B7.5
906970,587213,87.5,87.5,B7.6
906926,587212,89,89,B7.7
B18 - Nat Bar Inner edge of SB Del Mar HtsOn-ramp,9,2,0,0
907096,587012,67,67,B18.1
907079,587075,72,72,B18.2
907066,587123,76,76,B18.3
907057,587155,78.4,78.4,B18.4
907044,587182,80.7,80.7,B18.5
907018,587216,82.5,82.5,B18.6
906998,587231,84.5,84.5,B18.7
906979,587251,86.6,86.6,B18.8
B19 - Nat Bar Del Mar Hts Overcrossing SB side,10,2,0,0
906979,587251,86.6,86.6,B18.8
907009,587261,84.5,84.5,B18.9
907046,587277,82.5,82.5,B19.1
907042,587310,82,82,B19.2
907006,587293,83.8,83.8,B19.3
906987,587294,83.5,83.5,B19.4
906961,587317,82,82,B19.5
R,1,67,4,
907185,586233,56.9,R4.13/ST4.3,
R,2,67,4,
907031,587084,87.2,R4.23/ST4.4,
c,c,

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
04 - CARMEL VALLEY ROAD TO DEL MAR HEIGHTS NORTH,CALIBRATION ST4.3 AND ST4.4

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	-	3.*							B53.2	280.6	
2	-	3.*							B53.3	322.5	
3	-	3.*							B53.4	348.5	
4	-	3.*							B53.5	326.0	
5	-	3.*							B53.6	318.6	
6	-	3.*							B53.7	341.8	
7	-	3.*							B53.8	315.5	
8	-	3.*							B53.9	322.3	
9	-	3.*							B54.1	323.1	
10	-	3.*							B54.2	330.5	
11	-	3.*							B54.3	344.4	
12	-	3.*							B54.4	325.5	
13	-	3.*							B54.5	315.2	
14	-	3.*							B54.6	331.8	
15	-	3.*							B54.7	331.9	
16	-	3.*							B54.8	321.7	
17	-	3.*							B54.9	342.1	
18	-	3.*							B55.1	314.8	
19	-	3.*							B55.2	335.1	
20	-	3.*							B55.3	348.1	
21	-	3.*							B55.4	369.0	
22	-	3.*							B50.1	255.7	
23	-	3.*							B50.2	328.0	
24	-	3.*							B50.3	328.6	
25	-	3.*							B50.4	291.9	
26	-	20.*							B3.8	187.3	
27	-	20.*							B3.9	105.2	
28	-	20.*							B4.1	226.3	
29	-	20.*							B4.2	134.5	
30	-	20.*							B4.3	92.6	
31	-	20.*							B4.4	85.8	
32	-	20.*							B4.5	70.6	
33	-	7.*							B4.6	62.7	
34	-	7.*							B4.7	108.6	
35	-	7.*							B4.8	167.4	
36	-	7.*							B4.9	114.3	
37	-	7.*							B5.1	126.4	
38	-	7.*							B5.2	125.8	

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39    -  7.*                    B5.3      196.1
40    -  7.*                    B5.4      202.9
41    -  7.*                    B5.5      194.1
42    -  7.*                    B5.6      200.9
43    -  7.*                    B5.7      200.2
44    -  7.*                    B5.8      238.6
45    -  7.*                    B5.9      135.2

46    -  7.*                    B6.1      185.6
47    -  7.*                    B6.2      242.3
48    -  7.*                    B6.3      195.4
49    -  7.*                    B6.4      265.4
50    -  7.*                    B6.5      232.5
51    -  7.*                    B6.6      160.3
52    -  7.*                    B6.7      108.3
53    -  7.*                    B6.8      100.7

54    -  0.*                    B6.9       47.5
55    -  0.*                    B7.1      141.1
56    -  0.*                    B7.2      146.6
57    -  0.*                    B7.3      120.6
58    -  0.*                    B7.4       93.2
59    -  0.*                    B7.5       48.0
60    -  0.*                    B7.6      144.5

61    -  0.*                    B18.1     214.7
62    -  0.*                    B18.2     163.7
63    -  0.*                    B18.3     109.3
64    -  0.*                    B18.4      98.6
65    -  0.*                    B18.5     140.6
66    -  0.*                    B18.6      82.3
67    -  0.*                    B18.7      90.7

68    -  0.*                    B18.8     104.0
69    -  0.*                    B18.9     132.4
70    -  0.*                    B19.1     109.1
71    -  0.*                    B19.2     130.8
72    -  0.*                    B19.3      62.5
73    -  0.*                    B19.4     114.0
--------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
---------------------------------
 1  REC 1     67.    500.   67.8
 2  REC 2     67.    500.   76.3
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
20.20.20.20.20.20.20. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7.
 7. 7. 7. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
```

05 Del Mar Heights to Via Del Valle, Calibration,ST5.1,ST5.4,Ft
T-L21 DEL MAR HEIGHTS ON-RAMP TO NB,1
0,45,0,45,0,45
T-L22 SB OFF-RAMP TO DEL MAR HEIGHTS RD,2
678,45,21,45,3,45
T-L8 - SB General - Outer ST 552 to 558,3
0,65,0,65,0,65
T-L2 SB OUTER MAIN LANE 559+30 - 573+00,4
0,65,0,65,0,65
T-L18 - SB General - Inner ST 552 to 558,5
3083,67,137,67,131,67
T-L12 SB INNER MAIN LANE 559+30 - 573+00,6
3083,67,137,67,131,67
T-L58 - SB HOV ST 552 to 558,7
3083,67,137,67,131,67
T-L52 SB HOV LANE 559+30 - 573+00,8
3083,67,137,67,131,67
T-L57 - NB HOV ST 552 to 558,9
2772,66,90,66,189,66
T-L51 NB HOV LANE 559+30 - 573+00,10
2772,66,90,66,189,66
T-L17 - NB General - Inner ST 552 to 558,11
2772,66,90,66,189,66
T-L11 NB INNER MAIN LANE 559+30 - 573+00,12
2772,66,90,66,189,66
T-L7 - NB General - Outer St 552 to 558,13
0,65,0,65,0,65
T-L1 NB OUTER MAIN LANE 559+30 - 573+00,14
0,65,0,65,0,65
T-L4 SB OUTER MAIN LANE 573+00 - 587+00,15
0,65,0,65,0,65
T-L14 SB INNER MAIN LANE 573+00 - 587+00,16
3083,67,137,67,131,67
T-L54 SB HOV LANE 573+00 - 587+00,17
3083,67,137,67,131,67
T-L53 NB HOV LANE 573+00 - 587+00,18
2772,66,90,66,189,66
T-L13 NB INNER MAIN LANE 573+00 - 587+00,19
2772,66,90,66,189,66
T-L3 NB OUTER MAIN LANE 573+00 - 587+00,20
0,65,0,65,0,65
T-L42 SB OFF-RAMP TO VIA DEL VALLE,21
0,45,0,45,0,45
T-L30 - SB Del Mar Heights On-ramp,22
0,45,0,45,0,45
T-L31 - NB Del Mar Hts Off-ramp,23
0,45,0,45,0,45
L21 DEL MAR HEIGHTS ON-RAMP TO NB,1
N,907165,587374,78.8,L21.1
N,907147,587406,77.8,L21.2
N,907109,587484,73.6,L21.3
N,907095,587540,72,L21.4
N,907082,587594,71,L21.5
N,907074,587635,70.3,L21.6
N,907063,587691,68.6,L21.7
N,907054,587750,66.9,L21.8

N,907044,587821,64.9,L21.9
N,907030,587919,62.4,L21.10
N,907015,588019,58.8,L21.11
N,907002,588120,55.8,L21.12
N,906981,588221,53.1,L21.13
L22 SB OFF-RAMP TO DEL MAR HEIGHTS RD,2,
N,906943,587276,86.6,L22.1
N,906927,587314,85.8,L22.2
N,906925,587357,84.6,L22.3
N,906935,587395,82.9,L22.4
N,906951,587431,80.8,L22.5
N,906979,587485,77.8,L22.6
N,906994,587542,74.8,L22.7
N,906995,587601,71.7,L22.8
N,906990,587680,68.5,L22.9
N,906986,587760,66.7,L22.10
N,906972,587910,62,L22.11
L8 - SB General - Outer ST 552 to 558,3,
N,907118,586937,61.9,L8.4
N,907105,587030,64.7,L8.5
N,907089,587133,67.7,L8.6
N,907072,587236,70.7,L8.7
N,907055,587347,72.6,L2.1
L2 SB OUTER MAIN LANE 559+30 - 573+00,4,
N,907055,587347,72.6,L2.1
N,907043,587425,72.8,L2.2
N,907028,587523,72.4,L2.3
N,907014,587623,70.5,L2.4
N,907000,587712,68,L2.5
N,906986,587813,64.9,L2.6
N,906972,587910,62,L2.7
N,906956,588011,58.8,L2.8
N,906940,588108,55.8,L2.9
N,906924,588209,52.8,L2.10
N,906907,588307,49.8,L2.11
N,906886,588410,46.6,L2.12
N,906863,588506,43.6,L2.13
N,906836,588600,40.6,L2.14
N,906807,588695,37.5,L2.15
L18 - SB General - Inner ST 552 to 558,5,
N,907128,586938,61.9,L18.4
N,907115,587033,64.7,L18.5
N,907098,587135,67.7,L18.6
N,907083,587238,70.7,L18.7
N,907065,587348,72.6,L12.1
L12 SB INNER MAIN LANE 559+30 - 573+00,6,
N,907065,587348,72.6,L12.1
N,907053,587427,72.8,L12.2
N,907039,587525,72.4,L12.3
N,907025,587624,70.5,L12.4
N,907011,587712,68,L12.5
N,906996,587814,64.9,L12.6
N,906982,587912,62,L12.7
N,906966,588012,58.8,L12.8
N,906951,588109,55.8,L12.9
N,906934,588211,52.8,L12.10

N,906918,588309,49.8,L12.11
N,906896,588412,46.6,L12.12
N,906873,588509,43.6,L12.13
N,906847,588603,40.6,L12.14
N,906818,588699,37.5,L12.15
L58 - SB HOV ST 552 to 558,7,
N,907137,586939,62,L58.4
N,907124,587034,65,L58.5
N,907107,587137,68,L58.6
N,907092,587240,71,L58.7
N,907074,587350,72.7,L52.1
L52 SB HOV LANE 559+30 - 573+00,8,
N,907074,587350,72.7,L52.1
N,907062,587428,73.2,L52.2
N,907047,587527,72.6,L52.3
N,907033,587626,70.6,L52.4
N,907020,587714,68,L52.5
N,907005,587816,65.1,L52.6
N,906990,587915,62,L52.7
N,906975,588015,59,L52.8
N,906958,588112,56,L52.9
N,906944,588213,53,L52.10
N,906927,588311,50,L52.11
N,906907,588414,46.8,L52.12
N,906883,588511,43.8,L52.13
N,906856,588607,40.7,L52.14
N,906827,588702,37.6,L52.15
L57 - NB HOV ST 552 to 558,9,
N,907147,586940,62,L57.4
N,907133,587038,65,L57.5
N,907119,587136,68,L57.6
N,907103,587241,71,L57.7
N,907087,587351,72.8,L51.1
L51 NB HOV LANE 559+30 - 573+00,10,
N,907087,587351,72.8,L51.1
N,907074,587429,73.2,L51.2
N,907060,587528,72.6,L51.3
N,907045,587627,70.6,L51.4
N,907032,587716,68,L51.5
N,907016,587818,65.1,L51.6
N,907002,587917,62,L51.7
N,906988,588016,59,L51.8
N,906974,588115,56,L51.9
N,906960,588218,53,L51.10
N,906944,588316,50,L51.11
N,906923,588418,46.8,L51.12
N,906899,588515,43.8,L51.13
N,906872,588612,40.7,L51.14
N,906843,588707,37.6,L51.15
L17 - NB General - Inner ST 552 to 558,11,
N,907156,586942,61.9,L17.4
N,907142,587039,64.8,L17.5
N,907127,587138,67.8,L17.6
N,907113,587243,70.8,L17.7
N,907094,587352,72.4,L11.1
L11 NB INNER MAIN LANE 559+30 - 573+00,12,

N,907094,587352,72.4,L11.1
N,907083,587430,72.8,L11.2
N,907069,587529,72.4,L11.3
N,907054,587628,70.5,L11.4
N,907041,587717,68,L11.5
N,907026,587819,64.9,L11.6
N,907012,587917,62,L11.7
N,906997,588016,58.8,L11.8
N,906983,588117,55.8,L11.9
N,906970,588219,53.1,L11.10
N,906953,588318,50.2,L11.11
N,906933,588421,47,L11.12
N,906909,588519,44,L11.13
N,906882,588616,40.9,L11.14
N,906852,588710,37.5,L11.15
L7 - NB General - Outer St 552 to 558,13,
N,907165,586945,61.9,L7.4
N,907151,587042,64.8,L7.5
N,907138,587141,67.8,L7.6
N,907123,587246,70.8,L7.7
N,907105,587353,72.4,L1.1
L1 NB OUTER MAIN LANE 559+30 - 573+00,14,
N,907105,587353,72.4,L1.1
N,907093,587432,72.8,L1.2
N,907080,587530,72.4,L1.3
N,907064,587630,70.5,L1.4
N,907050,587718,68,L1.5
N,907036,587821,64.9,L1.6
N,907022,587918,62,L1.7
N,907008,588017,58.8,L1.8
N,906995,588118,55.8,L1.9
N,906981,588221,53.1,L1.10
N,906964,588320,50.2,L1.11
N,906941,588423,47,L1.12
N,906918,588521,44,L1.13
N,906891,588618,40.9,L1.14
N,906863,588713,37.5,L1.15
L4 SB OUTER MAIN LANE 573+00 - 587+00,15,
N,906807,588695,37.5,L4.1
N,906778,588792,34.5,L4.2
N,906748,588886,31.4,L4.3
N,906719,588983,28.5,L4.4
N,906689,589078,25.5,L4.5
N,906659,589174,22.5,L4.6
N,906631,589269,19.5,L4.7
N,906601,589365,16.5,L4.8
N,906572,589462,13.5,L4.9
N,906548,589537,11.2,L4.10
L14 SB INNER MAIN LANE 573+00 - 587+00,16,
N,906818,588699,37.5,L14.1
N,906788,588795,34.5,L14.2
N,906758,588890,31.4,L14.3
N,906729,588987,28.5,L14.4
N,906700,589081,25.5,L14.5
N,906671,589178,22.5,L14.6
N,906641,589273,19.5,L14.7

N,906612,589369,16.5,L14.8
N,906582,589465,13.5,L14.9
N,906560,589540,11.2,L14.10
L54 SB HOV LANE 573+00 - 587+00,17,
N,906827,588702,37.6,L54.1
N,906797,588798,34.6,L54.2
N,906769,588894,31.5,L54.3
N,906739,588989,28.6,L54.4
N,906710,589085,25.7,L54.5
N,906679,589181,22.7,L54.6
N,906651,589276,19.7,L54.7
N,906621,589371,16.7,L54.8
N,906591,589468,13.7,L54.9
N,906568,589543,11.3,L54.10
L53 SB HOV LANE 573+00 - 587+00,18,
N,906843,588707,37.6,L53.1
N,906813,588803,34.6,L53.2
N,906784,588898,31.5,L53.3
N,906754,588995,28.6,L53.4
N,906726,589091,25.7,L53.5
N,906696,589186,22.7,L53.6
N,906667,589281,19.7,L53.7
N,906637,589377,16.7,L53.8
N,906608,589473,13.7,L53.9
N,906584,589548,11.3,L53.10
L13 NB INNER MAIN LANE 573+00 - 587+00,19,
N,906852,588710,37.5,L13.1
N,906822,588806,34.5,L13.2
N,906793,588901,31.4,L13.3
N,906763,588997,28.5,L13.4
N,906736,589093,25.5,L13.5
N,906706,589189,22.5,L13.6
N,906676,589284,19.5,L13.7
N,906647,589380,16.5,L13.8
N,906617,589476,13.5,L13.9
N,906595,589551,11.1,L13.10
L3 NB OUTER MAIN LANE 573+00 - 587+00,20,
N,906863,588713,37.5,L3.1
N,906833,588808,34.5,L3.2
N,906804,588904,31.4,L3.3
N,906773,589000,28.5,L3.4
N,906746,589096,25.5,L3.5
N,906716,589192,22.5,L3.6
N,906686,589287,19.5,L3.7
N,906657,589383,16.5,L3.8
N,906628,589479,13.5,L3.9
N,906604,589554,11.1,L3.10
L32 - SB DelMar Hts Loop On-ramp,21,
N,907089,587133,67.7,L32.1
N,907074,587206,70,L32.2
N,907058,587284,71.6,L32.3
N,907045,587344,72.2,L32.4
N,907029,587376,72.6,L32.5
N,906995,587389,74.8,L32.6
N,906964,587377,78,L32.7
N,906949,587355,80.4,L32.8

N,906950,587327,82.8,L32.9
N,906970,587283,86,L32.10
L30 - SB Del Mar Heights On-ramp,22,
N,907102,586967,63.8,L30.7
N,907082,587045,69.7,L30.8
N,907061,587122,76,L30.9
N,907051,587151,78.4,L30.10
N,907036,587175,80.7,L30.11
N,907010,587206,84,L30.12
N,906992,587228,86,L30.13
N,906980,587242,86.6,L30.14
L31 - NB Del Mar Hts Off-ramp,23,
N,907172,586948,61.7,L31.1
N,907167,587018,63.9,L31.2
N,907162,587077,65.5,L31.3
N,907159,587137,67.8,L31.4
N,907165,587196,71.4,L31.5
N,907181,587253,75.2,L31.6
N,907193,587298,77.5,L31.7
N,907188,587337,78.3,L31.8
B5 6FT PROPERTY WALL EAST SIDE NEAR R16,1,2,0,0
907205,587420,85,86.8,B5.1
907180,587426,84.1,85.9,B5.2
907149,587468,84.3,86.1,B5.3
907132,587503,84.1,85.9,B5.4
907117,587580,84.2,86,B5.5
907114,587620,85.3,87.1,B5.6
907126,587630,85.6,87.4,B5.7
B6 10FT WALL EAST SIDE NEAR R17 - R20,2,2,0,0
907142,587646,87.3,90.3,B6.1
907117,587641,87.1,90.1,B6.2
907113,587731,88.1,91.1,B6.3
907107,587808,89.1,92.1,B6.4
907116,587903,94.7,97.7,B6.5
907114,587976,98.6,101.6,B6.6
907116,588013,100,103,B6.7
907118,588067,100.8,103.8,B6.8
907169,588072,102.1,105.1,B6.9
B21 EAST SIDE NEAR R21 - R23,3,2,0,0
907110,588063,100,100,B21.1
907091,588107,100,100,B21.2
907089,588118,100,100,B21.3
907112,588138,100,100,B21.4
907138,588174,100,100,B21.5
907129,588181,100,100,B21.6
907133,588192,100,100,B21.7
907141,588201,100,100,B21.8
B100 EAST SIDE NAT BAR NEAR R18 - R21,4,2,0,0
907097,587710,84,84,B100.1
907092,587777,86.9,86.9,B100.2
907091,587833,88,88,B100.3
907089,587878,90,90,B100.4
907092,587910,92,92,B100.5
907096,587948,96,96,B100.6
907093,588002,96,96,B100.7
907091,588033,96.1,96.1,B100.8

907091,588071,98,98,B100.9
907091,588107,100,100,B100.10
B55 - Center Divider ST 555 to 558,5,2,0,0
907141,586939,62,63,B55.1
907128,587034,65,66,B55.2
907113,587135,68,69,B55.3
907098,587240,71,72,B55.4
907080,587351,72.7,73.7,B50.1
B50 CENTER DIVIDER 559+30 - 568+00,6,2,0,0
907080,587351,72.7,73.7,B50.1
907068,587428,73.2,74.2,B50.2
907054,587527,72.6,73.6,B50.3
907039,587626,70.6,71.6,B50.4
907026,587714,68,69,B50.5
907011,587817,65.1,66.1,B50.6
906996,587917,62,63,B50.7
906981,588015,59,60,B50.8
906967,588113,56,57,B50.9
906951,588215,53,54,B50.10
B51 CENTER DIVIDER 568+00 - 577+00,7,2,0,0
906951,588215,53,54,B51.1
906935,588314,50,51,B51.2
906914,588416,46.8,47.8,B51.3
906891,588513,43.8,44.8,B51.4
906864,588609,40.7,41.7,B51.5
906835,588705,37.6,38.6,B51.6
906806,588801,34.6,35.6,B51.7
906776,588896,31.5,32.5,B51.8
906747,588992,28.6,29.6,B51.9
906718,589087,25.7,26.7,B51.10
B52 CENTER DIVIDER 577+00 - 579+00,8,2,0,0
906718,589087,25.7,26.7,B52.1
906688,589183,22.7,23.7,B52.2
906658,589278,19.7,20.7,B52.3
B71 - Nat Bar NB Del Mar Hts Overcrossing,9,2,0,0
907167,587237,74,74,B71.1
907177,587276,76,76,B71.2
907177,587314,77,77,B71.3
907176,587340,78.8,78.8,B71.4
907121,587314,79.5,79.5,B71.5
907116,587345,79.5,79.5,B71.6
907162,587366,78.8,78.8,B71.7
907152,587392,78,78,B71.8
907123,587440,76,76,B71.9
B19 - Nat Bar Del Mar Hts Overcrossing SB side,10,2,0,0
906979,587251,86.6,86.6,B18.8
907009,587261,84.5,84.5,B18.9
907046,587277,82.5,82.5,B19.1
907042,587310,82,82,B19.2
907006,587293,83.8,83.8,B19.3
906987,587294,83.5,83.5,B19.4
906961,587317,82,82,B19.5
R,1,67,4,
907180,587435,85.4,R16
R,2,67,4,
907127,587553,85.4,R16A

R,3,67,4,
907121,587646,88.9,R17
R,3,67,4,
907113,587752,89.8,R18
R,4,67,4,
907116,587873,93.9,R19
R,5,67,4,
907125,588060,102.2,R20
R,6,67,4
907118,588077,103.7,R21
R,7,67,4
907121,588133,103.3,R22
R,8,67,4
907140,588185,103.2,R23
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
05 DEL MAR HEIGHTS TO VIA DEL VALLE, CALIBRATION,0,FT

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	6.*							B5.1	84.5	
2	-	6.*							B5.2	171.3	
3	-	6.*							B5.3	127.6	
4	-	6.*							B5.4	257.4	
5	-	6.*							B5.5	131.6	
6	-	6.*							B5.6	51.3	
7	-	10.*							B6.1	83.7	
8	-	10.*							B6.2	295.6	
9	-	10.*							B6.3	253.4	
10	-	10.*							B6.4	313.6	
11	-	10.*							B6.5	239.9	
12	-	10.*							B6.6	121.7	
13	-	10.*							B6.7	177.3	
14	-	10.*							B6.8	168.2	
15	-	0.*							B21.1	157.2	
16	-	0.*							B21.2	36.7	
17	-	0.*							B21.3	99.9	
18	-	0.*							B21.4	145.7	
19	-	0.*							B21.5	37.4	
20	-	0.*							B21.6	38.4	
21	-	0.*							B21.7	39.5	
22	-	0.*							B100.1	220.6	
23	-	0.*							B100.2	183.9	
24	-	0.*							B100.3	147.9	
25	-	0.*							B100.4	105.7	
26	-	0.*							B100.5	126.1	
27	-	0.*							B100.6	177.4	
28	-	0.*							B100.7	101.9	
29	-	0.*							B100.8	124.9	
30	-	0.*							B100.9	118.3	
31	-	3.*							B55.1	314.8	
32	-	3.*							B55.2	335.1	
33	-	3.*							B55.3	348.1	
34	-	3.*							B55.4	369.0	
35	-	3.*							B50.1	255.7	
36	-	3.*							B50.2	328.0	
37	-	3.*							B50.3	328.6	
38	-	3.*							B50.4	291.9	

39	-	3.*	B50.5	341.7
40	-	3.*	B50.6	331.8
41	-	3.*	B50.7	325.5
42	-	3.*	B50.8	324.9
43	-	3.*	B50.9	338.8
44	-	3.*	B51.1	329.2
45	-	3.*	B51.2	341.9
46	-	3.*	B51.3	327.2
47	-	3.*	B51.4	327.4
48	-	3.*	B51.5	329.2
49	-	3.*	B51.6	329.1
50	-	3.*	B51.7	327.0
51	-	3.*	B51.8	329.2
52	-	3.*	B51.9	325.9
53	-	3.*	B52.1	330.2
54	-	3.*	B52.2	327.0
55	-	0.*	B71.1	132.2
56	-	0.*	B71.2	124.7
57	-	0.*	B71.3	85.6
58	-	0.*	B71.4	199.6
59	-	0.*	B71.5	103.0
60	-	0.*	B71.6	165.9
61	-	0.*	B71.7	91.4
62	-	0.*	B71.8	184.2
63	-	0.*	B18.8	104.0
64	-	0.*	B18.9	132.4
65	-	0.*	B19.1	109.1
66	-	0.*	B19.2	130.8
67	-	0.*	B19.3	62.5
68	-	0.*	B19.4	114.0

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REC	REC ID	DNL	PEOPLE	LEQ(CAL)
1	R16	67.	500.	66.7
2	R16A	67.	500.	68.1
3	R17	67.	500.	63.8
4	R18	67.	500.	61.7
5	R19	67.	500.	61.6
6	R20	67.	500.	60.3
7	R21	67.	500.	66.2
8	R22	67.	500.	69.1
9	R23	67.	500.	71.0

Segment 5
05 Del Mar Heights to Via Del Valle, Calibration,ST5.2,0,Ft
T-L21 DEL MAR HEIGHTS ON-RAMP TO NB,1
0,45,0,45,0,45
T-L22 SB OFF-RAMP TO DEL MAR HEIGHTS RD,2
714,35,27,35,3,35
T-L8 - SB General - Outer ST 552 to 558,3
0,65,0,65,0,65
T-L2 SB OUTER MAIN LANE 559+30 - 573+00,4
0,65,0,65,0,65
T-L18 - SB General - Inner ST 552 to 558,5
3044,63,114,63,179,63
T-L12 SB INNER MAIN LANE 559+30 - 573+00,6
3044,63,114,63,179,63
T-L58 - SB HOV ST 552 to 558,7
3044,63,114,63,179,63
T-L52 SB HOV LANE 559+30 - 573+00,8
3044,63,114,63,179,63
T-L57 - NB HOV ST 552 to 558,9
2819,64,107,64,155,64
T-L51 NB HOV LANE 559+30 - 573+00,10
2819,64,107,64,155,64
T-L17 - NB General - Inner ST 552 to 558,11
2819,64,107,64,155,64
T-L11 NB INNER MAIN LANE 559+30 - 573+00,12
2819,64,107,64,155,64
T-L7 - NB General - Outer St 552 to 558,13
0,65,0,65,0,65
T-L1 NB OUTER MAIN LANE 559+30 - 573+00,14
0,65,0,65,0,65
T-L4 SB OUTER MAIN LANE 573+00 - 587+00,15
0,65,0,65,0,65
T-L14 SB INNER MAIN LANE 573+00 - 587+00,16
3044,63,114,63,179,63
T-L54 SB HOV LANE 573+00 - 587+00,17
3044,63,114,63,179,63
T-L53 NB HOV LANE 573+00 - 587+00,18
2819,64,107,64,155,64
T-L13 NB INNER MAIN LANE 573+00 - 587+00,19
2819,64,107,64,155,64
T-L3 NB OUTER MAIN LANE 573+00 - 587+00,20
0,65,0,65,0,65
T-L42 SB OFF-RAMP TO VIA DEL VALLE,21
0,45,0,45,0,45
T-L30 - SB Del Mar Heights On-ramp,22
0,45,0,45,0,45
T-L31 - NB Del Mar Hts Off-ramp,23
0,45,0,45,0,45
L21 DEL MAR HEIGHTS ON-RAMP TO NB,1
N,907165,587374,78.8,L21.1
N,907147,587406,77.8,L21.2
N,907109,587484,73.6,L21.3
N,907095,587540,72,L21.4
N,907082,587594,71,L21.5
N,907074,587635,70.3,L21.6
N,907063,587691,68.6,L21.7

N,907054,587750,66.9,L21.8
N,907044,587821,64.9,L21.9
N,907030,587919,62.4,L21.10
N,907015,588019,58.8,L21.11
N,907002,588120,55.8,L21.12
N,906981,588221,53.1,L21.13
L22 SB OFF-RAMP TO DEL MAR HEIGHTS RD,2,
N,906943,587276,86.6,L22.1
N,906927,587314,85.8,L22.2
N,906925,587357,84.6,L22.3
N,906935,587395,82.9,L22.4
N,906951,587431,80.8,L22.5
N,906979,587485,77.8,L22.6
N,906994,587542,74.8,L22.7
N,906995,587601,71.7,L22.8
N,906990,587680,68.5,L22.9
N,906986,587760,66.7,L22.10
N,906972,587910,62,L22.11
L8 - SB General - Outer ST 552 to 558,3,
N,907118,586937,61.9,L8.4
N,907105,587030,64.7,L8.5
N,907089,587133,67.7,L8.6
N,907072,587236,70.7,L8.7
N,907055,587347,72.6,L2.1
L2 SB OUTER MAIN LANE 559+30 - 573+00,4,
N,907055,587347,72.6,L2.1
N,907043,587425,72.8,L2.2
N,907028,587523,72.4,L2.3
N,907014,587623,70.5,L2.4
N,907000,587712,68,L2.5
N,906986,587813,64.9,L2.6
N,906972,587910,62,L2.7
N,906956,588011,58.8,L2.8
N,906940,588108,55.8,L2.9
N,906924,588209,52.8,L2.10
N,906907,588307,49.8,L2.11
N,906886,588410,46.6,L2.12
N,906863,588506,43.6,L2.13
N,906836,588600,40.6,L2.14
N,906807,588695,37.5,L2.15
L18 - SB General - Inner ST 552 to 558,5,
N,907128,586938,61.9,L18.4
N,907115,587033,64.7,L18.5
N,907098,587135,67.7,L18.6
N,907083,587238,70.7,L18.7
N,907065,587348,72.6,L12.1
L12 SB INNER MAIN LANE 559+30 - 573+00,6,
N,907065,587348,72.6,L12.1
N,907053,587427,72.8,L12.2
N,907039,587525,72.4,L12.3
N,907025,587624,70.5,L12.4
N,907011,587712,68,L12.5
N,906996,587814,64.9,L12.6
N,906982,587912,62,L12.7
N,906966,588012,58.8,L12.8
N,906951,588109,55.8,L12.9

N,906934,588211,52.8,L12.10
N,906918,588309,49.8,L12.11
N,906896,588412,46.6,L12.12
N,906873,588509,43.6,L12.13
N,906847,588603,40.6,L12.14
N,906818,588699,37.5,L12.15
L58 - SB HOV ST 552 to 558,7,
N,907137,586939,62,L58.4
N,907124,587034,65,L58.5
N,907107,587137,68,L58.6
N,907092,587240,71,L58.7
N,907074,587350,72.7,L52.1
L52 SB HOV LANE 559+30 - 573+00,8,
N,907074,587350,72.7,L52.1
N,907062,587428,73.2,L52.2
N,907047,587527,72.6,L52.3
N,907033,587626,70.6,L52.4
N,907020,587714,68,L52.5
N,907005,587816,65.1,L52.6
N,906990,587915,62,L52.7
N,906975,588015,59,L52.8
N,906958,588112,56,L52.9
N,906944,588213,53,L52.10
N,906927,588311,50,L52.11
N,906907,588414,46.8,L52.12
N,906883,588511,43.8,L52.13
N,906856,588607,40.7,L52.14
N,906827,588702,37.6,L52.15
L57 - NB HOV ST 552 to 558,9,
N,907147,586940,62,L57.4
N,907133,587038,65,L57.5
N,907119,587136,68,L57.6
N,907103,587241,71,L57.7
N,907087,587351,72.8,L51.1
L51 NB HOV LANE 559+30 - 573+00,10,
N,907087,587351,72.8,L51.1
N,907074,587429,73.2,L51.2
N,907060,587528,72.6,L51.3
N,907045,587627,70.6,L51.4
N,907032,587716,68,L51.5
N,907016,587818,65.1,L51.6
N,907002,587917,62,L51.7
N,906988,588016,59,L51.8
N,906974,588115,56,L51.9
N,906960,588218,53,L51.10
N,906944,588316,50,L51.11
N,906923,588418,46.8,L51.12
N,906899,588515,43.8,L51.13
N,906872,588612,40.7,L51.14
N,906843,588707,37.6,L51.15
L17 - NB General - Inner ST 552 to 558,11,
N,907156,586942,61.9,L17.4
N,907142,587039,64.8,L17.5
N,907127,587138,67.8,L17.6
N,907113,587243,70.8,L17.7
N,907094,587352,72.4,L11.1

L11 NB INNER MAIN LANE 559+30 - 573+00,12,
N,907094,587352,72.4,L11.1
N,907083,587430,72.8,L11.2
N,907069,587529,72.4,L11.3
N,907054,587628,70.5,L11.4
N,907041,587717,68,L11.5
N,907026,587819,64.9,L11.6
N,907012,587917,62,L11.7
N,906997,588016,58.8,L11.8
N,906983,588117,55.8,L11.9
N,906970,588219,53.1,L11.10
N,906953,588318,50.2,L11.11
N,906933,588421,47,L11.12
N,906909,588519,44,L11.13
N,906882,588616,40.9,L11.14
N,906852,588710,37.5,L11.15
L7 - NB General - Outer St 552 to 558,13,
N,907165,586945,61.9,L7.4
N,907151,587042,64.8,L7.5
N,907138,587141,67.8,L7.6
N,907123,587246,70.8,L7.7
N,907105,587353,72.4,L1.1
L1 NB OUTER MAIN LANE 559+30 - 573+00,14,
N,907105,587353,72.4,L1.1
N,907093,587432,72.8,L1.2
N,907080,587530,72.4,L1.3
N,907064,587630,70.5,L1.4
N,907050,587718,68,L1.5
N,907036,587821,64.9,L1.6
N,907022,587918,62,L1.7
N,907008,588017,58.8,L1.8
N,906995,588118,55.8,L1.9
N,906981,588221,53.1,L1.10
N,906964,588320,50.2,L1.11
N,906941,588423,47,L1.12
N,906918,588521,44,L1.13
N,906891,588618,40.9,L1.14
N,906863,588713,37.5,L1.15
L4 SB OUTER MAIN LANE 573+00 - 587+00,15,
N,906807,588695,37.5,L4.1
N,906778,588792,34.5,L4.2
N,906748,588886,31.4,L4.3
N,906719,588983,28.5,L4.4
N,906689,589078,25.5,L4.5
N,906659,589174,22.5,L4.6
N,906631,589269,19.5,L4.7
N,906601,589365,16.5,L4.8
N,906572,589462,13.5,L4.9
N,906548,589537,11.2,L4.10
L14 SB INNER MAIN LANE 573+00 - 587+00,16,
N,906818,588699,37.5,L14.1
N,906788,588795,34.5,L14.2
N,906758,588890,31.4,L14.3
N,906729,588987,28.5,L14.4
N,906700,589081,25.5,L14.5
N,906671,589178,22.5,L14.6

N,906641,589273,19.5,L14.7
N,906612,589369,16.5,L14.8
N,906582,589465,13.5,L14.9
N,906560,589540,11.2,L14.10
L54 SB HOV LANE 573+00 - 587+00,17,
N,906827,588702,37.6,L54.1
N,906797,588798,34.6,L54.2
N,906769,588894,31.5,L54.3
N,906739,588989,28.6,L54.4
N,906710,589085,25.7,L54.5
N,906679,589181,22.7,L54.6
N,906651,589276,19.7,L54.7
N,906621,589371,16.7,L54.8
N,906591,589468,13.7,L54.9
N,906568,589543,11.3,L54.10
L53 SB HOV LANE 573+00 - 587+00,18,
N,906843,588707,37.6,L53.1
N,906813,588803,34.6,L53.2
N,906784,588898,31.5,L53.3
N,906754,588995,28.6,L53.4
N,906726,589091,25.7,L53.5
N,906696,589186,22.7,L53.6
N,906667,589281,19.7,L53.7
N,906637,589377,16.7,L53.8
N,906608,589473,13.7,L53.9
N,906584,589548,11.3,L53.10
L13 NB INNER MAIN LANE 573+00 - 587+00,19,
N,906852,588710,37.5,L13.1
N,906822,588806,34.5,L13.2
N,906793,588901,31.4,L13.3
N,906763,588997,28.5,L13.4
N,906736,589093,25.5,L13.5
N,906706,589189,22.5,L13.6
N,906676,589284,19.5,L13.7
N,906647,589380,16.5,L13.8
N,906617,589476,13.5,L13.9
N,906595,589551,11.1,L13.10
L3 NB OUTER MAIN LANE 573+00 - 587+00,20,
N,906863,588713,37.5,L3.1
N,906833,588808,34.5,L3.2
N,906804,588904,31.4,L3.3
N,906773,589000,28.5,L3.4
N,906746,589096,25.5,L3.5
N,906716,589192,22.5,L3.6
N,906686,589287,19.5,L3.7
N,906657,589383,16.5,L3.8
N,906628,589479,13.5,L3.9
N,906604,589554,11.1,L3.10
L32 - SB DelMar Hts Loop On-ramp,21,
N,907089,587133,67.7,L32.1
N,907074,587206,70,L32.2
N,907058,587284,71.6,L32.3
N,907045,587344,72.2,L32.4
N,907029,587376,72.6,L32.5
N,906995,587389,74.8,L32.6
N,906964,587377,78,L32.7

N,906949,587355,80.4,L32.8
N,906950,587327,82.8,L32.9
N,906970,587283,86,L32.10
L30 - SB Del Mar Heights On-ramp,22,
N,907102,586967,63.8,L30.7
N,907082,587045,69.7,L30.8
N,907061,587122,76,L30.9
N,907051,587151,78.4,L30.10
N,907036,587175,80.7,L30.11
N,907010,587206,84,L30.12
N,906992,587228,86,L30.13
N,906980,587242,86.6,L30.14
L31 - NB Del Mar Hts Off-ramp,23,
N,907172,586948,61.7,L31.1
N,907167,587018,63.9,L31.2
N,907162,587077,65.5,L31.3
N,907159,587137,67.8,L31.4
N,907165,587196,71.4,L31.5
N,907181,587253,75.2,L31.6
N,907193,587298,77.5,L31.7
N,907188,587337,78.3,L31.8
B1 WEST SIDE NEAR R1 R2,1,2,0,0
906927,587490,96,96,B1.2
906938,587521,94,94,B1.3
906949,587588,94,94,B1.4
906935,587631,94,94,B1.5
906911,587639,94,94,B1.6
906885,587640,94,94,B1.7
B2 WEST SIDE NEAR R3 - R6,2,2,0,0
906886,587643,93,93,B2.1
906910,587644,93,93,B2.2
906946,587647,92.2,92.2,B2.3
906942,587670,92,92,B2.4
906928,587739,92.9,92.9,B2.5
906919,587739,93,93,B2.6
906899,587846,88.7,88.7,B2.7
906881,587842,89.2,89.2,B2.8
B3 WEST SIDE PROPERTY LINE NEAR R7 - R9,3,2,0,0
906827,587858,99,99,B3.1
906845,587861,99,99,B3.2
906880,587865,99,99,B3.3
906881,587907,99.1,99.1,B3.4
906868,587946,99.3,99.3,B3.5
906863,587982,99.5,99.5,B3.6
906853,588018,99.9,99.9,B3.7
906834,588110,100.2,100.2,B3.8
906814,588203,96.2,96.2,B3.9
906817,588226,92,92,B3.10
906801,588208,96,96,B3.11
B20 NAT BAR WEST SIDE NEAR R10,4,2,0,0
906817,588418,50,50,B20.1
906831,588460,44,44,B20.2
906848,588506,38,38,B20.3
B55 - Center Divider ST 555 to 558,6,2,0,0
907141,586939,62,63,B55.1
907128,587034,65,66,B55.2

907113,587135,68,69,B55.3
907098,587240,71,72,B55.4
907080,587351,72.7,73.7,B50.1
B50 CENTER DIVIDER 559+30 - 568+00,7,2,0,0
907080,587351,72.7,73.7,B50.1
907068,587428,73.2,74.2,B50.2
907054,587527,72.6,73.6,B50.3
907039,587626,70.6,71.6,B50.4
907026,587714,68,69,B50.5
907011,587817,65.1,66.1,B50.6
906996,587917,62,63,B50.7
906981,588015,59,60,B50.8
906967,588113,56,57,B50.9
906951,588215,53,54,B50.10
B51 CENTER DIVIDER 568+00 - 577+00,8,2,0,0
906951,588215,53,54,B51.1
906935,588314,50,51,B51.2
906914,588416,46.8,47.8,B51.3
906891,588513,43.8,44.8,B51.4
906864,588609,40.7,41.7,B51.5
906835,588705,37.6,38.6,B51.6
906806,588801,34.6,35.6,B51.7
906776,588896,31.5,32.5,B51.8
906747,588992,28.6,29.6,B51.9
906718,589087,25.7,26.7,B51.10
B52 CENTER DIVIDER 577+00 - 579+00,9,2,0,0
906718,589087,25.7,26.7,B52.1
906688,589183,22.7,23.7,B52.2
906658,589278,19.7,20.7,B52.3
B4 FUTURE SHOULDER WEST SIDE NEAR L2 L4,10,2,0,0
906877,588409,46.5,46.5,B4.1
906866,588454,44.5,44.5,B4.2
906854,588504,43.6,43.6,B4.3
906829,588597,40.6,40.6,B4.4
906800,588692,37.5,37.5,B4.5
906769,588791,34.5,34.5,B4.6
906740,588884,27.9,27.9,B4.7
906710,588982,23.9,23.9,B4.8
906694,589035,22,22,B4.9
906681,589076,20.6,20.6,B4.10
B7 EXISTING SHOULDER BETWEEN SB L2 L12,11,2,0,0
906888,588411,46.6,46.6,B7.1
906876,588457,45,45,B7.2
906865,588507,43.6,43.6,B7.3
906839,588601,40.6,40.6,B7.4
906809,588696,37.5,37.5,B7.5
906779,588794,34.5,34.5,B7.6
906751,588888,31.4,31.4,B7.7
906721,588985,28.5,28.5,B7.8
906691,589079,25.5,25.5,B7.9
906662,589175,22.5,22.5,B7.10
B97 EXISTING SHOULDER BETWEEN SB L4 and L14,12,2,0,0
906662,589175,22.5,22.5,B97.1
906633,589271,19.5,19.5,B97.2
906603,589366,16.5,16.5,B97.3
B71 - Nat Bar NB Del Mar Hts Overcrossing,13,2,0,0

907167,587237,74,74,B71.1
907177,587276,76,76,B71.2
907177,587314,77,77,B71.3
907176,587340,78.8,78.8,B71.4
907121,587314,79.5,79.5,B71.5
907116,587345,79.5,79.5,B71.6
907162,587366,78.8,78.8,B71.7
907152,587392,78,78,B71.8
907123,587440,76,76,B71.9
B19 - Nat Bar Del Mar Hts Overcrossing SB side,14,2,0,0
906979,587251,86.6,86.6,B18.8
907009,587261,84.5,84.5,B18.9
907046,587277,82.5,82.5,B19.1
907042,587310,82,82,B19.2
907006,587293,83.8,83.8,B19.3
906987,587294,83.5,83.5,B19.4
906961,587317,82,82,B19.5
R,1,67,4,
906931,587541,96.1,R1
R,2,67,4,
906932,587611,95.9,R2
R,3,67,4,
906931,587674,94.4,R3
R,4,67,4,
906911,587698,94.4,R4
R,5,67,4
906917,587751,90.8,R5
R,6,67,4
906891,587833,90.3,R6
R,7,67,4
906875,587912,100.6,R7
R,8,67,4
906838,588068,101.8,R8
R,9,67,4
906812,588195,101.2,R9
R,10,67,4
906817,588525,37.2,R10
R,11,67,4
906803,588562,31,R11
R,12,67,4
906743,588624,28.5,R12
R,13,67,4
906695,588715,18.2,R13
R,14,67,4
906667,588795,14.3,R14
R,15,67,4
906604,588787,14.8,R15
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
05 DEL MAR HEIGHTS TO VIA DEL VALLE, CALIBRATION,0,FT

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0 1 2 3 4 5 6 7	ID	BAR LENGTH	TYPE
1	- 0.*	B1.2	108.1	
2	- 0.*	B1.3	222.8	
3	- 0.*	B1.4	148.3	
4	- 0.*	B1.5	83.0	
5	- 0.*	B1.6	85.4	
6	- 0.*	B2.1	78.8	
7	- 0.*	B2.2	118.5	
8	- 0.*	B2.3	76.6	
9	- 0.*	B2.4	231.0	
10	- 0.*	B2.5	29.6	
11	- 0.*	B2.6	357.4	
12	- 0.*	B2.7	60.5	
13	- 0.*	B3.1	59.9	
14	- 0.*	B3.2	115.5	
15	- 0.*	B3.3	137.8	
16	- 0.*	B3.4	134.9	
17	- 0.*	B3.5	119.2	
18	- 0.*	B3.6	122.6	
19	- 0.*	B3.7	308.3	
20	- 0.*	B3.8	312.4	
21	- 0.*	B3.9	77.3	
22	- 0.*	B3.10	80.1	
23	- 0.*	B20.1	146.6	
24	- 0.*	B20.2	162.2	
25	- 3.*	B55.1	314.8	
26	- 3.*	B55.2	335.1	
27	- 3.*	B55.3	348.1	
28	- 3.*	B55.4	369.0	
29	- 3.*	B50.1	255.7	
30	- 3.*	B50.2	328.0	
31	- 3.*	B50.3	328.6	
32	- 3.*	B50.4	291.9	
33	- 3.*	B50.5	341.7	
34	- 3.*	B50.6	331.8	
35	- 3.*	B50.7	325.5	
36	- 3.*	B50.8	324.9	
37	- 3.*	B50.9	338.8	

38	-	3.*	B51.1	329.2
39	-	3.*	B51.2	341.9
40	-	3.*	B51.3	327.2
41	-	3.*	B51.4	327.4
42	-	3.*	B51.5	329.2
43	-	3.*	B51.6	329.1
44	-	3.*	B51.7	327.0
45	-	3.*	B51.8	329.2
46	-	3.*	B51.9	325.9
47	-	3.*	B52.1	330.2
48	-	3.*	B52.2	327.0
49	-	0.*	B4.1	152.2
50	-	0.*	B4.2	168.7
51	-	0.*	B4.3	316.1
52	-	0.*	B4.4	326.1
53	-	0.*	B4.5	340.5
54	-	0.*	B4.6	320.3
55	-	0.*	B4.7	336.5
56	-	0.*	B4.8	181.8
57	-	0.*	B4.9	141.2
58	-	0.*	B7.1	156.0
59	-	0.*	B7.2	168.0
60	-	0.*	B7.3	320.1
61	-	0.*	B7.4	327.1
62	-	0.*	B7.5	336.4
63	-	0.*	B7.6	321.9
64	-	0.*	B7.7	333.3
65	-	0.*	B7.8	323.9
66	-	0.*	B7.9	329.1
67	-	0.*	B97.1	329.2
68	-	0.*	B97.2	327.0
69	-	0.*	B71.1	132.2
70	-	0.*	B71.2	124.7
71	-	0.*	B71.3	85.6
72	-	0.*	B71.4	199.6
73	-	0.*	B71.5	103.0
74	-	0.*	B71.6	165.9
75	-	0.*	B71.7	91.4
76	-	0.*	B71.8	184.2
77	-	0.*	B18.8	104.0
78	-	0.*	B18.9	132.4
79	-	0.*	B19.1	109.1
80	-	0.*	B19.2	130.8
81	-	0.*	B19.3	62.5
82	-	0.*	B19.4	114.0

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0 1 2 3 4 5 6 7

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REC REC ID DNL PEOPLE LEQ(CAL)

1	R1	67.	500.	70.0
2	R2	67.	500.	70.1
3	R3	67.	500.	70.9
4	R4	67.	500.	65.3
5	R5	67.	500.	74.9
6	R6	67.	500.	68.4
7	R7	67.	500.	70.4
8	R8	67.	500.	69.8
9	R9	67.	500.	74.2
10	R10	67.	500.	69.9
11	R11	67.	500.	65.6
12	R12	67.	500.	67.9
13	R13	67.	500.	66.0
14	R14	67.	500.	66.5
15	R15	67.	500.	66.7

BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1

CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION

0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3.
3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0.
0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
0. 0. 0. 0. 0. 0. 0.

Segment 6
06 Via De la Valle to Lomas Santa Fe, Calibration,ST6.7,0,Ft
T-L4 SB OUTER MAIN LANE 582+60 - 587+00,1
0,65,0,65,0,65
T-L14 SB INNER MAIN LANE 582+60 - 587+00,2
3516,63,172,63,268,63
T-L54 SB HOV LANE 582+60 - 587+00,3
2344,63,114,63,0,63
T-L53 NB HOV LANE 582+60 - 587+00,4
2514,63,102,63,0,63
T-L13 NB INNER MAIN LANE 582+60 - 587+00,5
3772,63,154,63,286,63
T-L3 NB OUTER MAIN LANE 582+60 - 587+00,6
0,65,0,65,0,65
T-L41 NB OFF-RAMP TO VIA DEL VALLE,7
0,45,0,45,0,45
T-L40 VIA DEL VALLE SB ON-RAMP,8
0,45,0,45,0,45
T-L6 SB OUTER MAIN LANE 587+00 - 600+80,9
0,65,0,65,0,65
T-L16 SB INNER MAIN LANE 587+00 - 600+80,10
3516,63,172,63,268,63
T-L56 SB INNER LANE 587+00 - 600+80,11
2344,63,114,63,0,63
T-L55 NB INNER LANE 587+00 - 600+80,12
2514,63,102,63,0,63
T-L15 NB INNER MAIN LANE 587+00 - 600+80,13
3772,63,154,63,286,63
T-L5 NB OUTER MAIN LANE 587+00 - 600+80,14
0,65,0,65,0,65
T-L42 SB OFF-RAMP TO VIA DEL VALLE,15
0,45,0,45,0,45
T-L43 VIA DEL VALLE ON-RAMP TO NB,16
0,45,0,45,0,45
T-L8 SB OUTER MAIN LANE 600+80 - 615+00,17
0,65,0,65,0,65
T-L18 SB INNER MAIN LANE 600+80 - 615+00,18
3516,63,172,63,268,63
T-L58 SB INNER LANE 600+80 - 615+00,19
2344,63,114,63,0,63
T-L57 NB INNER LANE 600+80 - 615+00,20
2514,63,102,63,0,63
T-L17 NB INNER MAIN LANE 600+80 - 615+00,21
3772,63,154,63,286,63
T-L7 NB OUTER MAIN LANE 600+80 - 615+00,22
0,65,0,65,0,65
T-L44 LOMAS SANTA FE DR ON-RAMP TO SB,23
0,45,0,45,0,45
T-L46 SB OFF-RAMP TO LOMAS SANTA FE DR,24
0,45,0,45,0,45
T-L47 LOMAS SANTA FE DR ON-RAMP TO NB,25
0,45,0,45,0,45
L4 SB OUTER MAIN LANE 582+60 - 587+00,1
N,906524,589615,9.4,L4.11,
N,906496,589709,8.7,L4.12,
N,906454,589843,8.4,L4.13,

N,906424,589939,8.2,L4.14,
N,906395,590034,7.9,L4.15,
L14 SB INNER MAIN LANE 582+60 - 587+00,2
N,906535,589618,9.4,L14.11,
N,906506,589713,8.7,L14.12,
N,906465,589847,8.4,L14.13,
N,906435,589943,8.2,L14.14,
N,906406,590038,7.9,L14.15,
L54 SB +INNER LANE 582+60 - 587+00,3
N,906545,589622,9.6,L54.11
N,906515,589716,8.9,L54.12
N,906475,589850,8.5,L54.13
N,906445,589945,8.3,L54.14
N,906416,590041,8,L54.15
L53 SB +INNER LANE 582+60 - 587+00,4,
N,906560,589627,9.6,L53.11
N,906532,589721,8.9,L53.12
N,906490,589855,8.5,L53.13
N,906461,589950,8.3,L53.14
N,906431,590047,8,L53.15
L13 NB INNER MAIN LANE 582+60 - 587+00,5,
N,906570,589630,9.4,L13.11
N,906541,589724,8.7,L13.12
N,906500,589858,8.3,L13.13
N,906471,589954,8.1,L13.14
N,906441,590049,7.8,L13.15
L3 NB OUTER MAIN LANE 582+60 - 587+00,6,
N,906579,589634,9.4,L3.11
N,906551,589727,8.7,L3.12
N,906510,589861,8.3,L3.13
N,906480,589957,8.1,L3.14
N,906450,590053,7.8,L3.15
L41 NB OFF-RAMP TO VIA DEL VALLE,7,
N,906422,590148,7.7,L41.1
N,906409,590206,7.5,L41.2
N,906392,590285,7.5,L41.3
N,906379,590343,7.6,L41.4
N,906375,590393,7.8,L41.5
N,906377,590442,8,L41.6
N,906398,590539,8.3,L41.7
N,906404,590582,8.5,L41.8
N,906404,590621,8.6,L41.9
N,906394,590668,10.8,L41.10
L40 VIA DEL VALLE SB ON-RAMP,8,
N,906367,590130,7.5,L40.1
N,906332,590224,7.4,L40.2
N,906312,590281,7.4,L40.3
N,906293,590338,8.4,L40.4
N,906266,590413,10.3,L40.5
N,906244,590469,11.7,L40.6
N,906221,590524,12.3,L40.7
N,906202,590548,12.2,L40.8
N,906182,590568,12,L40.9
N,906149,590586,11.5,L40.10
N,906111,590598,11.5,L40.11
L6 SB OUTER MAIN LANE 587+00 - 600+80,9,

N,906395,590034,7.9,L6.1
N,906367,590130,7.5,L6.2
N,906337,590225,7.4,L6.3
N,906308,590321,8.3,L6.4
N,906278,590416,11,L6.5
N,906248,590513,13.8,L6.6
N,906221,590610,17,L6.7
N,906192,590705,20.1,L6.8
N,906163,590800,23.2,L6.9
N,906133,590895,26.1,L6.10
N,906104,590992,29.2,L6.11
N,906076,591088,32.4,L6.12
N,906052,591188,34.4,L6.13
N,906043,591260,35.5,L6.14
N,906030,591359,36.5,L6.15
L16 SB INNER MAIN LANE 587+00 - 600+80,10,
N,906406,590038,7.9,L16.1
N,906376,590134,7.6,L16.2
N,906348,590229,7.4,L16.3
N,906317,590325,8.3,L16.4
N,906289,590420,11,L16.5
N,906259,590516,13.8,L16.6
N,906230,590613,17,L16.7
N,906200,590707,20.1,L16.8
N,906171,590803,23.2,L16.9
N,906141,590898,26.1,L16.10
N,906112,590995,29.2,L16.11
N,906084,591090,32.4,L16.12
N,906063,591190,34.4,L16.13
N,906053,591261,35.5,L16.14
N,906041,591361,36.5,L16.15
L56 SB +INNER LANE 587+00 - 600+80,11,
N,906416,590041,8,L56.1
N,906386,590136,7.8,L56.2
N,906356,590231,7.6,L56.3
N,906327,590328,8.5,L56.4
N,906298,590423,11.2,L56.5
N,906269,590519,14,L56.6
N,906239,590615,17.1,L56.7
N,906210,590710,20.2,L56.8
N,906180,590806,23.3,L56.9
N,906151,590902,26.3,L56.10
N,906122,590997,29.3,L56.11
N,906094,591093,32.1,L56.12
N,906073,591192,34.2,L56.13
N,906063,591262,35.4,L56.14
N,906051,591362,36.7,L56.15
L55 NB +INNER LANE 587+00 - 600+80,12,
N,906431,590047,8,L55.1
N,906402,590142,7.8,L55.2
N,906371,590237,7.6,L55.3
N,906343,590332,8.5,L55.4
N,906313,590429,11.2,L55.5
N,906285,590523,14,L55.6
N,906254,590620,17.1,L55.7
N,906225,590715,20.2,L55.8

N,906197,590811,23.3,L55.9
N,906168,590907,26.2,L55.10
N,906138,591002,29.3,L55.11
N,906110,591098,31.9,L55.12
N,906089,591195,34,L55.13
N,906078,591275,35.5,L55.14
N,906067,591364,36.7,L55.15
L15 NB INNER MAIN LANE 587+00 - 600+80,13,
N,906441,590049,7.8,L15.1
N,906412,590145,7.7,L15.2
N,906382,590240,7.4,L15.3
N,906352,590336,8.3,L15.4
N,906323,590431,11,L15.5
N,906293,590527,13.9,L15.6
N,906264,590623,17,L15.7
N,906235,590718,20.1,L15.8
N,906206,590814,23.2,L15.9
N,906177,590909,26.1,L15.10
N,906148,591006,29.2,L15.11
N,906120,591100,31.6,L15.12
N,906098,591197,33.7,L15.13
N,906088,591276,35.3,L15.14
N,906077,591366,36.4,L15.15
L5 NB OUTER MAIN LANE 587+00 - 600+80,14,
N,906450,590053,7.8,L5.1
N,906422,590148,7.7,L5.2
N,906390,590242,7.4,L5.3
N,906360,590338,8.3,L5.4
N,906331,590434,11,L5.5
N,906302,590530,13.9,L5.6
N,906272,590626,17,L5.7
N,906243,590721,20.1,L5.8
N,906217,590817,23.2,L5.9
N,906188,590913,26.1,L5.10
N,906158,591009,29.2,L5.11
N,906130,591104,31.6,L5.12
N,906110,591199,33.7,L5.13
N,906099,591277,35.3,L5.14
N,906088,591367,36.4,L5.15
L42 SB OFF-RAMP TO VIA DEL VALLE,15,
N,906082,590633,10.8,L42.1
N,906074,590672,11.4,L42.2
N,906074,590693,11,L42.3
N,906081,590734,12,L42.4
N,906091,590793,15.7,L42.5
N,906104,590872,20.8,L42.6
N,906105,590911,23.4,L42.7
N,906099,590950,25.8,L42.8
N,906085,591008,28.6,L42.9
N,906073,591067,30.9,L42.10
N,906052,591188,34.4,L42.11
L43 VIA DEL VALLE ON-RAMP TO NB,16,
N,906381,590703,10.8,L43.1
N,906343,590711,10.3,L43.2
N,906308,590729,10.8,L43.3
N,906279,590754,13.1,L43.4

N,906258,590787,15.8,L43.5
N,906228,590861,21.3,L43.6
N,906206,590916,24.6,L43.7
N,906184,590972,27.2,L43.8
N,906164,591027,29.1,L43.9
N,906149,591066,30.1,L43.10
N,906127,591142,32,L43.11
N,906115,591200,33.5,L43.12
N,906099,591277,35.3,L43.13
L8 SB OUTER MAIN LANE 600+80 - 615+00,17,
N,906030,591359,36.5,L8.1
N,906016,591467,37.7,L8.2
N,906005,591565,38.1,L8.3
N,905992,591666,38.5,L8.4
N,905980,591764,39.1,L8.5
N,905968,591865,39.6,L8.6
N,905957,591953,40,L8.7
N,905943,592063,40.6,L8.8
N,905929,592161,41.1,L8.9
N,905919,592260,41.4,L8.10
N,905907,592361,41.9,L8.11
N,905893,592478,42.6,L8.12
N,905879,592578,43,L8.13
N,905868,592679,43.5,L8.14
N,905855,592776,43.9,L8.15
L18 SB INNER MAIN LANE 600+80 - 615+00,18,
N,906041,591361,36.5,L18.1
N,906027,591468,37.7,L18.2
N,906015,591567,38.1,L18.3
N,906002,591667,38.5,L18.4
N,905991,591766,39.1,L18.5
N,905979,591866,39.6,L18.6
N,905968,591954,40,L18.7
N,905954,592064,40.6,L18.8
N,905941,592163,41.1,L18.9
N,905930,592262,41.4,L18.10
N,905916,592362,41.9,L18.11
N,905902,592480,42.6,L18.12
N,905890,592579,43,L18.13
N,905879,592681,43.5,L18.14
N,905866,592778,43.9,L18.15
L58 SB +INNER LANE 600+80 - 615+00,19,
N,906051,591362,36.7,L58.1
N,906037,591470,37.8,L58.2
N,906025,591568,38.2,L58.3
N,906014,591669,38.7,L58.4
N,906001,591767,39.2,L58.5
N,905988,591867,39.7,L58.6
N,905977,591956,40.2,L58.7
N,905963,592065,40.8,L58.8
N,905951,592164,41.2,L58.9
N,905939,592263,41.6,L58.10
N,905927,592363,42.1,L58.11
N,905911,592482,42.6,L58.12
N,905900,592581,43.2,L58.13
N,905887,592680,43.7,L58.14

N,905876,592779,44.2,L58.15
L57 NB +INNER LANE 600+80 - 615+00,20,
N,906067,591364,36.7,L57.1
N,906054,591473,37.7,L57.2
N,906042,591571,38.2,L57.3
N,906030,591671,38.7,L57.4
N,906018,591769,39.2,L57.5
N,906005,591869,39.7,L57.6
N,905993,591959,40.2,L57.7
N,905980,592068,40.8,L57.8
N,905967,592168,41.2,L57.9
N,905955,592265,41.6,L57.10
N,905943,592365,42.1,L57.11
N,905928,592484,42.6,L57.12
N,905916,592583,43.2,L57.13
N,905904,592682,43.7,L57.14
N,905892,592782,44.1,L57.15
L17 NB INNER MAIN LANE 600+80 - 615+00,21,
N,906077,591366,36.4,L17.1
N,906065,591474,37.6,L17.2
N,906051,591571,38.1,L17.3
N,906040,591672,38.6,L17.4
N,906027,591770,39.1,L17.5
N,906015,591870,39.6,L17.6
N,906003,591961,40,L17.7
N,905989,592070,40.6,L17.8
N,905978,592169,41.1,L17.9
N,905965,592267,41.5,L17.10
N,905953,592367,42,L17.11
N,905939,592486,42.5,L17.12
N,905928,592585,43,L17.13
N,905914,592685,43.5,L17.14
N,905903,592783,44,L17.15
L7 NB OUTER MAIN LANE 600+80 - 615+00,22,
N,906025,591871,39.6,L7.6
N,906014,591962,40,L7.7
N,905998,592072,40.6,L7.8
N,905987,592170,41.1,L7.9
N,905974,592269,41.5,L7.10
N,905962,592369,42,L7.11
N,905949,592487,42.5,L7.12
N,905937,592586,43,L7.13
N,905925,592685,43.5,L7.14
N,905913,592785,44,L7.15
L44 LOMAS SANTA FE DR ON-RAMP TO SB,23,
N,905957,591953,40,L44.1
N,905936,592061,40.6,L44.2
N,905930,592102,40,L44.3
N,905917,592180,39,L44.4
N,905906,592239,40.7,L44.5
N,905897,592278,40.2,L44.6
N,905885,592315,38.3,L44.7
N,905867,592351,36.2,L44.8
N,905840,592405,35.4,L44.9
L46 SB OFF-RAMP TO LOMAS SANTA FE DR,24,
N,905818,592443,35.8,L46.1

N,905826,592482,36.4,L46.2
N,905838,592540,38.7,L46.3
N,905850,592600,41.1,L46.4
N,905857,592658,42.6,L46.5
N,905854,592738,43.3,L46.6
N,905850,592794,44,L46.7
N,905842,592876,44.4,L46.8
L47 LOMAS SANTA FE DR ON-RAMP TO NB,25,
N,906019,592426,36.2,L47.1
N,905999,592460,36.8,L47.2
N,905981,592494,39.3,L47.3
N,905964,592531,41.2,L47.4
N,905954,592569,41,L47.5
N,905942,592629,42.6,L47.6
N,905930,592707,43.1,L47.7
N,905918,592786,44,L47.8
N,905900,592883,49.5,L47.9
B41 EAST SIDE ALONG SB L4,1,2,0,0
906296,590318,8.3,8.3,B41.6
906279,590371,9.2,9.2,B41.7
906259,590412,10.3,10.3,B41.8
906236,590472,11.7,11.7,B41.9
906223,590506,12.3,12.3,B41.10
B40 EAST SIDE ALONG VIA DEL VALLE SB ON-RAMP,2,2,0,0
906223,590506,12.3,12.3,B40.1
906205,590537,12.2,12.2,B40.2
906177,590563,12,12,B40.3
906145,590582,11.8,11.8,B40.4
906108,590591,11.5,11.5,B40.5
B42 BETWEEN SB L4 & L14 and L6 & L16,3,2,0,0
906498,589711,8.7,8.7,B42.1
906457,589845,8.4,8.4,B42.2
906427,589940,8.2,8.2,B42.3
906398,590036,7.9,7.9,B42.4
906368,590131,7.6,7.6,B42.5
906339,590226,7.4,7.4,B42.6
906310,590322,8.3,8.3,B42.7
906296,590360,9,9,B42.8
B80 CENTER DIVIDER 586+00 - 595+00,4,2,0,0
906452,589948,8.3,9.3,B80.1
906423,590044,8,9,B80.2
906395,590140,7.8,8.8,B80.3
906365,590234,7.6,8.6,B80.4
906334,590330,8.5,9.5,B80.5
906306,590425,11.2,12.2,B80.6
906277,590521,14,15,B80.7
906247,590617,17.1,18.1,B80.8
906219,590714,20.2,21.2,B80.9
906189,590809,23.3,24.3,B80.10
B51 CENTER DIVIDER 595+00 - 603+90,5,2,0,0
906189,590809,23.3,24.3,B51.1
906160,590904,26.3,27.3,B51.2
906131,591000,29.3,30.3,B51.3
906102,591096,31.9,32.9,B51.4
906081,591192,33.9,34.9,B51.5
906071,591268,35.4,36.4,B51.6

906059,591363,36.7,37.7,B51.7
906045,591471,37.8,38.8,B51.8
906033,591570,38.2,39.2,B51.9
906020,591670,38.7,39.7,B51.10
B3 WEST SIDE NEAR SB VIA DEL VALLE OFF-RAMP,6,1,0,0
906051,590732,26,26,B3.1
906052,590770,29.2,29.2,B3.2
906039,590807,37,37,B3.3
906041,590816,38,38,B3.4
906052,590827,40,40,B3.5
906066,590880,41.5,41.5,B3.6
906069,590913,42.1,42.1,B3.7
906060,590962,45,45,B3.8
906046,590986,49.6,49.6,B3.9
906049,591025,44,44,B3.10
906055,591064,36.7,36.7,B3.11
B10 WEST SIDE 2-STORY BUILDING NEAR R3,7,2,0,0
906003,590942,45.5,53.1,B10.1
906003,590970,49.4,57,B10.2
906004,590985,50.5,58.1,B10.3
B11 WEST SIDE 2-STORY BUILDING NEAR R3,8,2,0,0
906024,591004,49.6,57.2,B11.1
906006,591005,49.6,57.2,B11.2
906007,591021,46.5,54.1,B11.3
B4 WEST SIDE NEAR L6,9,2,0,0
906055,591064,36.7,36.7,B4.1
906055,591117,35,35,B4.2
906041,591190,36,36,B4.3
906032,591255,39.2,39.2,B4.4
906026,591287,41,41,B4.4A
906024,591314,38,38,B4.5
906018,591367,39.5,39.5,B4.6
906013,591415,38,38,B4.6A
906007,591465,34.5,34.5,B4.7
905994,591565,30.2,30.2,B4.8
905983,591665,30.5,30.5,B4.9
B9 SB BETWEEN L6_L16,10,2,0,0
906047,591261,35.5,35.5,B9.1
906035,591359,36.5,36.5,B9.2
906022,591468,37.7,37.7,B9.3
906010,591566,38.1,38.1,B9.4
905998,591667,38.5,38.5,B9.5
905987,591764,39.1,39.1,B9.6
905974,591865,39.6,39.6,B9.7
905962,591953,40,40,B9.8
B5 WEST SIDE NEAR ACADEMY DR_R9,11,2,0,0
905983,591665,30.5,30.5,B4.9
905971,591763,32.5,32.5,B5.1
905958,591863,38.4,38.4,B5.2
905951,591911,41.4,41.4,B5.3
905935,592004,48.2,48.2,B5.5
905925,592043,52,52,B5.6
905920,592077,52,52,B5.6A
905920,592085,50,50,B5.7A
905911,592095,49.5,49.5,B5.7
905893,592091,49,49,B5.8

905867,592089,48.6,48.6,B5.9
B52 CENTER DIVIDER 603+90 - 612+00,12,2,0,0
906020,591670,38.7,39.7,B52.1
906009,591768,39.2,40.2,B52.2
905997,591867,39.7,40.7,B52.3
905986,591957,40.2,41.2,B52.4
905972,592067,40.8,41.8,B52.5
905959,592166,41.2,42.2,B52.6
905947,592265,41.6,42.6,B52.7
905935,592364,42.1,43.1,B52.8
905921,592483,42.6,43.6,B52.9
B30 ONE STORY HOUSE R6.7A,13,2,0,0
905955,591595,26,31,B30.1
905967,591586,27,32,B30.2
B31 ONE STORY HOUSE R6.7A,14,2,0,0
905959,591605,25.8,30.8,B31.1
905951,591626,25.9,30.9,B31.2
R,1,67,4
906321,590164,4.4,R5.24
R,2,67,4
906270,590306,5.1,R5.25
R,3,67,4
906204,590376,5.2,R5.26
R,4,67,4
906025,590791,35.1,R6.1
R,5,67,4
906002,590853,37.2,R6.1A
R,6,67,4
906040,590889,42.4,R6.2
R,7,67,4
905999,590985,52.9,R6.3
R,8,67,4
906043,591093,36,R6.4A
R,9,67,4
906030,591212,38.5,R6.4
R,10,67,4
906015,591295,38.1,R6.5
R,11,67,4
905967,591346,32.3,R6.6
R,12,67,4
905972,591417,33.5,R6.7
R,13,67,4
905946,591595,26.6,R6.7A
R,14,67,4
905954,591708,30.6,R6.8
R,15,67,4
905945,591804,36.2,R6.9
R,16,67,4
905923,591984,47.9,R6.10
R,17,67,4
905910,592060,54.4,R6.11
D,4.5
ALL,ALL
c,c

TITLE:
06 VIA DE LA VALLE TO LOMAS SANTA FE, CALIBRATION,0,FT

1

BARRIER DATA
****

BAR ELE		0	1	2	3	4	5	6	7	BARRIER HEIGHTS ID	BAR LENGTH	TYPE
1	-	0.*								B41.6	182.7	
2	-	0.*								B41.7	149.7	
3	-	0.*								B41.8	210.9	
4	-	0.*								B41.9	119.4	
5	-	0.*								B40.1	117.6	
6	-	0.*								B40.2	125.4	
7	-	0.*								B40.3	122.1	
8	-	0.*								B40.4	124.9	
9	-	0.*								B42.1	459.7	
10	-	0.*								B42.2	326.9	
11	-	0.*								B42.3	329.0	
12	-	0.*								B42.4	326.9	
13	-	0.*								B42.5	325.9	
14	-	0.*								B42.6	329.1	
15	-	0.*								B42.7	132.8	
16	-	3.*								B80.1	329.1	
17	-	3.*								B80.2	328.1	
18	-	3.*								B80.3	323.7	
19	-	3.*								B80.4	331.0	
20	-	3.*								B80.5	325.1	
21	-	3.*								B80.6	329.2	
22	-	3.*								B80.7	330.1	
23	-	3.*								B80.8	331.5	
24	-	3.*								B80.9	326.9	
25	-	3.*								B51.1	326.0	
26	-	3.*								B51.2	329.2	
27	-	3.*								B51.3	329.1	
28	-	3.*								B51.4	322.5	
29	-	3.*								B51.5	251.5	
30	-	3.*								B51.6	314.2	
31	-	3.*								B51.7	357.4	
32	-	3.*								B51.8	327.2	
33	-	3.*								B51.9	330.8	
34	-	0.*								B3.1	125.2	
35	-	0.*								B3.2	131.2	
36	-	0.*								B3.3	30.4	
37	-	0.*								B3.4	51.4	
38	-	0.*								B3.5	180.0	
39	-	0.*								B3.6	108.7	
40	-	0.*								B3.7	163.8	

41	-	0.*	B3.8	92.3
42	-	0.*	B3.9	129.7
43	-	0.*	B3.10	131.7
44	-	25.*	B10.1	92.8
45	-	25.*	B10.2	49.4
46	-	25.*	B11.1	59.2
47	-	25.*	B11.2	53.6
48	-	0.*	B4.1	173.9
49	-	0.*	B4.2	243.9
50	-	0.*	B4.3	215.6
51	-	0.*	B4.4	107.0
52	-	0.*	B4.4A	89.4
53	-	0.*	B4.5	175.0
54	-	0.*	B4.6	158.4
55	-	0.*	B4.6A	165.7
56	-	0.*	B4.7	331.2
57	-	0.*	B4.8	330.0
58	-	0.*	B9.1	323.9
59	-	0.*	B9.2	360.2
60	-	0.*	B9.3	323.9
61	-	0.*	B9.4	333.7
62	-	0.*	B9.5	320.2
63	-	0.*	B9.6	334.1
64	-	0.*	B9.7	291.4
65	-	0.*	B4.9	324.1
66	-	0.*	B5.1	331.3
67	-	0.*	B5.2	159.5
68	-	0.*	B5.3	310.4
69	-	0.*	B5.5	132.7
70	-	0.*	B5.6	112.7
71	-	0.*	B5.6A	27.1
72	-	0.*	B5.7A	44.1
73	-	0.*	B5.7	60.6
74	-	0.*	B5.8	85.6
75	-	3.*	B52.1	323.6
76	-	3.*	B52.2	327.2
77	-	3.*	B52.3	297.4
78	-	3.*	B52.4	363.8
79	-	3.*	B52.5	327.6
80	-	3.*	B52.6	327.2
81	-	3.*	B52.7	327.2
82	-	3.*	B52.8	393.2
83	-	16.*	B30.1	49.3
84	-	16.*	B31.1	73.7

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0 1 2 3 4 5 6 7

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REC REC ID DNL PEOPLE LEQ(CAL)

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 1  R5.24     67.    500.   72.9
 2  R5.25     67.    500.   72.0
 3  R5.26     67.    500.   69.3
 4  R6.1      67.    500.   65.0
 5  R6.1A     67.    500.   59.1
 6  R6.2      67.    500.   63.1
 7  R6.3      67.    500.   60.8
 8  R6.4A     67.    500.   73.0
 9  R6.4      67.    500.   76.2
10  R6.5      67.    500.   70.4
11  R6.6      67.    500.   66.5
12  R6.7      67.    500.   69.6
13  R6.7A     67.    500.   68.2
14  R6.8      67.    500.   71.4
15  R6.9      67.    500.   73.3
16  R6.10     67.    500.   72.0
17  R6.11     67.    500.   72.5
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3.
 3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.25.25.25.25. 0. 0. 0.
 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3.
 3. 3. 3. 3. 3. 3. 3.16.16.
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06 Via De la Valle to Lomas Santa Fe,Build,Calibration,ST6.2,0,Ft
T-L4 SB OUTER MAIN LANE 582+60 - 587+00,1
0,65,0,65,0,65
T-L14 SB INNER MAIN LANE 582+60 - 587+00,2
3516,63,172,63,161,63
T-L54 SB HOV LANE 582+60 - 587+00,3
2344,63,114,63,107,63
T-L53 NB HOV LANE 582+60 - 587+00,4
2514,63,102,63,114,63
T-L13 NB INNER MAIN LANE 582+60 - 587+00,5
3772,63,154,63,172,63
T-L3 NB OUTER MAIN LANE 582+60 - 587+00,6
0,65,0,65,0,65
T-L41 NB OFF-RAMP TO VIA DEL VALLE,7
0,45,0,45,0,45
T-L40 VIA DEL VALLE SB ON-RAMP,8
0,45,0,45,0,45
T-L6 SB OUTER MAIN LANE 587+00 - 600+80,9
0,65,0,65,0,65
T-L16 SB INNER MAIN LANE 587+00 - 600+80,10
3516,63,172,63,161,63
T-L56 SB INNER LANE 587+00 - 600+80,11
2344,63,114,63,107,63
T-L55 NB INNER LANE 587+00 - 600+80,12
2514,63,102,63,114,63
T-L15 NB INNER MAIN LANE 587+00 - 600+80,13
3772,63,154,63,172,63
T-L5 NB OUTER MAIN LANE 587+00 - 600+80,14
0,65,0,65,0,65
T-L42 SB OFF-RAMP TO VIA DEL VALLE,15
0,45,0,45,0,45
T-L43 VIA DEL VALLE ON-RAMP TO NB,16
0,45,0,45,0,45
T-L8 SB OUTER MAIN LANE 600+80 - 615+00,17
0,65,0,65,0,65
T-L18 SB INNER MAIN LANE 600+80 - 615+00,18
3516,63,172,63,161,63
T-L58 SB INNER LANE 600+80 - 615+00,19
2344,63,114,63,107,63
T-L57 NB INNER LANE 600+80 - 615+00,20
2514,63,102,63,114,63
T-L17 NB INNER MAIN LANE 600+80 - 615+00,21
3772,63,154,63,172,63
T-L7 NB OUTER MAIN LANE 600+80 - 615+00,22
0,65,0,65,0,65
T-L44 LOMAS SANTA FE DR ON-RAMP TO SB,23
0,45,0,45,0,45
T-L46 SB OFF-RAMP TO LOMAS SANTA FE DR,24
0,45,0,45,0,45
T-L47 LOMAS SANTA FE DR ON-RAMP TO NB,25
0,45,0,45,0,45
L4 SB OUTER MAIN LANE 582+60 - 587+00,1
N,906524,589615,9.4,L4.11,
N,906496,589709,8.7,L4.12,
N,906454,589843,8.4,L4.13,
N,906424,589939,8.2,L4.14,

N,906395,590034,7.9,L4.15,
L14 SB INNER MAIN LANE 582+60 - 587+00,2
N,906535,589618,9.4,L14.11,
N,906506,589713,8.7,L14.12,
N,906465,589847,8.4,L14.13,
N,906435,589943,8.2,L14.14,
N,906406,590038,7.9,L14.15,
L54 SB HOV LANE 582+60 - 587+00,3
N,906545,589622,9.6,L54.11
N,906515,589716,8.9,L54.12
N,906475,589850,8.5,L54.13
N,906445,589945,8.3,L54.14
N,906416,590041,8,L54.15
L53 SB HOV LANE 582+60 - 587+00,4,
N,906560,589627,9.6,L53.11
N,906532,589721,8.9,L53.12
N,906490,589855,8.5,L53.13
N,906461,589950,8.3,L53.14
N,906431,590047,8,L53.15
L13 NB INNER MAIN LANE 582+60 - 587+00,5,
N,906570,589630,9.4,L13.11
N,906541,589724,8.7,L13.12
N,906500,589858,8.3,L13.13
N,906471,589954,8.1,L13.14
N,906441,590049,7.8,L13.15
L3 NB OUTER MAIN LANE 582+60 - 587+00,6,
N,906579,589634,9.4,L3.11
N,906551,589727,8.7,L3.12
N,906510,589861,8.3,L3.13
N,906480,589957,8.1,L3.14
N,906450,590053,7.8,L3.15
L41 NB OFF-RAMP TO VIA DEL VALLE,7,
N,906422,590148,7.7,L41.1
N,906409,590206,7.5,L41.2
N,906392,590285,7.5,L41.3
N,906379,590343,7.6,L41.4
N,906375,590393,7.8,L41.5
N,906377,590442,8,L41.6
N,906398,590539,8.3,L41.7
N,906404,590582,8.5,L41.8
N,906404,590621,8.6,L41.9
N,906394,590668,10.8,L41.10
L40 VIA DEL VALLE SB ON-RAMP,8,
N,906367,590130,7.5,L40.1
N,906332,590224,7.4,L40.2
N,906312,590281,7.4,L40.3
N,906293,590338,8.4,L40.4
N,906266,590413,10.3,L40.5
N,906244,590469,11.7,L40.6
N,906221,590524,12.3,L40.7
N,906202,590548,12.2,L40.8
N,906182,590568,12,L40.9
N,906149,590586,11.5,L40.10
N,906111,590598,11.5,L40.11
L6 SB OUTER MAIN LANE 587+00 - 600+80,9,
N,906395,590034,7.9,L6.1

N,906367,590130,7.5,L6.2
N,906337,590225,7.4,L6.3
N,906308,590321,8.3,L6.4
N,906278,590416,11,L6.5
N,906248,590513,13.8,L6.6
N,906221,590610,17,L6.7
N,906192,590705,20.1,L6.8
N,906163,590800,23.2,L6.9
N,906133,590895,26.1,L6.10
N,906104,590992,29.2,L6.11
N,906076,591088,32.4,L6.12
N,906052,591188,34.4,L6.13
N,906043,591260,35.5,L6.14
N,906030,591359,36.5,L6.15
L16 SB INNER MAIN LANE 587+00 - 600+80,10,
N,906406,590038,7.9,L16.1
N,906376,590134,7.6,L16.2
N,906348,590229,7.4,L16.3
N,906317,590325,8.3,L16.4
N,906289,590420,11,L16.5
N,906259,590516,13.8,L16.6
N,906230,590613,17,L16.7
N,906200,590707,20.1,L16.8
N,906171,590803,23.2,L16.9
N,906141,590898,26.1,L16.10
N,906112,590995,29.2,L16.11
N,906084,591090,32.4,L16.12
N,906063,591190,34.4,L16.13
N,906053,591261,35.5,L16.14
N,906041,591361,36.5,L16.15
L56 SB HOV LANE 587+00 - 600+80,11,
N,906416,590041,8,L56.1
N,906386,590136,7.8,L56.2
N,906356,590231,7.6,L56.3
N,906327,590328,8.5,L56.4
N,906298,590423,11.2,L56.5
N,906269,590519,14,L56.6
N,906239,590615,17.1,L56.7
N,906210,590710,20.2,L56.8
N,906180,590806,23.3,L56.9
N,906151,590902,26.3,L56.10
N,906122,590997,29.3,L56.11
N,906094,591093,32.1,L56.12
N,906073,591192,34.2,L56.13
N,906063,591262,35.4,L56.14
N,906051,591362,36.7,L56.15
L55 NB HOV LANE 587+00 - 600+80,12,
N,906431,590047,8,L55.1
N,906402,590142,7.8,L55.2
N,906371,590237,7.6,L55.3
N,906343,590332,8.5,L55.4
N,906313,590429,11.2,L55.5
N,906285,590523,14,L55.6
N,906254,590620,17.1,L55.7
N,906225,590715,20.2,L55.8
N,906197,590811,23.3,L55.9

N,906168,590907,26.2,L55.10
N,906138,591002,29.3,L55.11
N,906110,591098,31.9,L55.12
N,906089,591195,34,L55.13
N,906078,591275,35.5,L55.14
N,906067,591364,36.7,L55.15
L15 NB INNER MAIN LANE 587+00 - 600+80,13,
N,906441,590049,7.8,L15.1
N,906412,590145,7.7,L15.2
N,906382,590240,7.4,L15.3
N,906352,590336,8.3,L15.4
N,906323,590431,11,L15.5
N,906293,590527,13.9,L15.6
N,906264,590623,17,L15.7
N,906235,590718,20.1,L15.8
N,906206,590814,23.2,L15.9
N,906177,590909,26.1,L15.10
N,906148,591006,29.2,L15.11
N,906120,591100,31.6,L15.12
N,906098,591197,33.7,L15.13
N,906088,591276,35.3,L15.14
N,906077,591366,36.4,L15.15
L5 NB OUTER MAIN LANE 587+00 - 600+80,14,
N,906450,590053,7.8,L5.1
N,906422,590148,7.7,L5.2
N,906390,590242,7.4,L5.3
N,906360,590338,8.3,L5.4
N,906331,590434,11,L5.5
N,906302,590530,13.9,L5.6
N,906272,590626,17,L5.7
N,906243,590721,20.1,L5.8
N,906217,590817,23.2,L5.9
N,906188,590913,26.1,L5.10
N,906158,591009,29.2,L5.11
N,906130,591104,31.6,L5.12
N,906110,591199,33.7,L5.13
N,906099,591277,35.3,L5.14
N,906088,591367,36.4,L5.15
L42 SB OFF-RAMP TO VIA DEL VALLE,15,
N,906082,590633,10.8,L42.1
N,906074,590672,11.4,L42.2
N,906074,590693,11,L42.3
N,906081,590734,12,L42.4
N,906091,590793,15.7,L42.5
N,906104,590872,20.8,L42.6
N,906105,590911,23.4,L42.7
N,906099,590950,25.8,L42.8
N,906085,591008,28.6,L42.9
N,906073,591067,30.9,L42.10
N,906052,591188,34.4,L42.11
L43 VIA DEL VALLE ON-RAMP TO NB,16,
N,906381,590703,10.8,L43.1
N,906343,590711,10.3,L43.2
N,906308,590729,10.8,L43.3
N,906279,590754,13.1,L43.4
N,906258,590787,15.8,L43.5

N,906228,590861,21.3,L43.6
N,906206,590916,24.6,L43.7
N,906184,590972,27.2,L43.8
N,906164,591027,29.1,L43.9
N,906149,591066,30.1,L43.10
N,906127,591142,32,L43.11
N,906115,591200,33.5,L43.12
N,906099,591277,35.3,L43.13
L8 SB OUTER MAIN LANE 600+80 - 615+00,17,
N,906030,591359,36.5,L8.1
N,906016,591467,37.7,L8.2
N,906005,591565,38.1,L8.3
N,905992,591666,38.5,L8.4
N,905980,591764,39.1,L8.5
N,905968,591865,39.6,L8.6
N,905957,591953,40,L8.7
N,905943,592063,40.6,L8.8
N,905929,592161,41.1,L8.9
N,905919,592260,41.4,L8.10
N,905907,592361,41.9,L8.11
N,905893,592478,42.6,L8.12
N,905879,592578,43,L8.13
N,905868,592679,43.5,L8.14
N,905855,592776,43.9,L8.15
L18 SB INNER MAIN LANE 600+80 - 615+00,18,
N,906041,591361,36.5,L18.1
N,906027,591468,37.7,L18.2
N,906015,591567,38.1,L18.3
N,906002,591667,38.5,L18.4
N,905991,591766,39.1,L18.5
N,905979,591866,39.6,L18.6
N,905968,591954,40,L18.7
N,905954,592064,40.6,L18.8
N,905941,592163,41.1,L18.9
N,905930,592262,41.4,L18.10
N,905916,592362,41.9,L18.11
N,905902,592480,42.6,L18.12
N,905890,592579,43,L18.13
N,905879,592681,43.5,L18.14
N,905866,592778,43.9,L18.15
L58 SB HOV LANE 600+80 - 615+00,19,
N,906051,591362,36.7,L58.1
N,906037,591470,37.8,L58.2
N,906025,591568,38.2,L58.3
N,906014,591669,38.7,L58.4
N,906001,591767,39.2,L58.5
N,905988,591867,39.7,L58.6
N,905977,591956,40.2,L58.7
N,905963,592065,40.8,L58.8
N,905951,592164,41.2,L58.9
N,905939,592263,41.6,L58.10
N,905927,592363,42.1,L58.11
N,905911,592482,42.6,L58.12
N,905900,592581,43.2,L58.13
N,905887,592680,43.7,L58.14
N,905876,592779,44.2,L58.15

L57 NB HOV LANE 600+80 - 615+00,20,
N,906067,591364,36.7,L57.1
N,906054,591473,37.7,L57.2
N,906042,591571,38.2,L57.3
N,906030,591671,38.7,L57.4
N,906018,591769,39.2,L57.5
N,906005,591869,39.7,L57.6
N,905993,591959,40.2,L57.7
N,905980,592068,40.8,L57.8
N,905967,592168,41.2,L57.9
N,905955,592265,41.6,L57.10
N,905943,592365,42.1,L57.11
N,905928,592484,42.6,L57.12
N,905916,592583,43.2,L57.13
N,905904,592682,43.7,L57.14
N,905892,592782,44.1,L57.15
L17 NB INNER MAIN LANE 600+80 - 615+00,21,
N,906077,591366,36.4,L17.1
N,906065,591474,37.6,L17.2
N,906051,591571,38.1,L17.3
N,906040,591672,38.6,L17.4
N,906027,591770,39.1,L17.5
N,906015,591870,39.6,L17.6
N,906003,591961,40,L17.7
N,905989,592070,40.6,L17.8
N,905978,592169,41.1,L17.9
N,905965,592267,41.5,L17.10
N,905953,592367,42,L17.11
N,905939,592486,42.5,L17.12
N,905928,592585,43,L17.13
N,905914,592685,43.5,L17.14
N,905903,592783,44,L17.15
L7 NB OUTER MAIN LANE 600+80 - 615+00,22,
N,906025,591871,39.6,L7.6
N,906014,591962,40,L7.7
N,905998,592072,40.6,L7.8
N,905987,592170,41.1,L7.9
N,905974,592269,41.5,L7.10
N,905962,592369,42,L7.11
N,905949,592487,42.5,L7.12
N,905937,592586,43,L7.13
N,905925,592685,43.5,L7.14
N,905913,592785,44,L7.15
L44 LOMAS SANTA FE DR ON-RAMP TO SB,23,
N,905957,591953,40,L44.1
N,905936,592061,40.6,L44.2
N,905930,592102,40,L44.3
N,905917,592180,39,L44.4
N,905906,592239,40.7,L44.5
N,905897,592278,40.2,L44.6
N,905885,592315,38.3,L44.7
N,905867,592351,36.2,L44.8
N,905840,592405,35.4,L44.9
L46 SB OFF-RAMP TO LOMAS SANTA FE DR,24,
N,905818,592443,35.8,L46.1
N,905826,592482,36.4,L46.2

N,905838,592540,38.7,L46.3
N,905850,592600,41.1,L46.4
N,905857,592658,42.6,L46.5
N,905854,592738,43.3,L46.6
N,905850,592794,44,L46.7
N,905842,592876,44.4,L46.8
L47 LOMAS SANTA FE DR ON-RAMP TO NB,25,
N,906019,592426,36.2,L47.1
N,905999,592460,36.8,L47.2
N,905981,592494,39.3,L47.3
N,905964,592531,41.2,L47.4
N,905954,592569,41,L47.5
N,905942,592629,42.6,L47.6
N,905930,592707,43.1,L47.7
N,905918,592786,44,L47.8
N,905900,592883,49.5,L47.9
B80 CENTER DIVIDER 586+00 - 595+00,1,2,0,0
906452,589948,8.3,9.3,B80.1
906423,590044,8,9,B80.2
906395,590140,7.8,8.8,B80.3
906365,590234,7.6,8.6,B80.4
906334,590330,8.5,9.5,B80.5
906306,590425,11.2,12.2,B80.6
906277,590521,14,15,B80.7
906247,590617,17.1,18.1,B80.8
906219,590714,20.2,21.2,B80.9
906189,590809,23.3,24.3,B80.10
B51 CENTER DIVIDER 595+00 - 603+90,2,2,0,0
906189,590809,23.3,24.3,B51.1
906160,590904,26.3,27.3,B51.2
906131,591000,29.3,30.3,B51.3
906102,591096,31.9,32.9,B51.4
906081,591192,33.9,34.9,B51.5
906071,591268,35.4,36.4,B51.6
906059,591363,36.7,37.7,B51.7
906045,591471,37.8,38.8,B51.8
906033,591570,38.2,39.2,B51.9
906020,591670,38.7,39.7,B51.10
B60 EAST SIDE 2-STORY BUILDING NEAR R12,3,2,0,0
906237,590924,33.2,40.8,B60.1
906247,590929,31.7,39.3,B60.2
906254,590931,32.3,39.9,B60.3
906264,590934,32.1,39.7,B60.4
B100 EAST SIDE NEAR VIA DE NORTE NB ON-RAMP,4,2,0,0
906260,590810,26,26,B100.1
906239,590863,30,30,B100.2
906212,590928,34,34,B100.3
906191,590989,36,36,B100.4
906175,591043,40,40,B100.5
906159,591106,44,44,B100.6
906146,591169,48,48,B100.7
B100 EAST SIDE NEAR VIA DE NORTE NB ON-RAMP,5,2,0,0
906146,591169,48,48,B100.7
906138,591221,52,52,B100.8
906144,591243,54.5,54.5,B100.9
906138,591257,54.5,54.5,B6.8

906125,591296,52.1,52.1,B6.9
906121,591322,49.5,49.5,B6.10
B7 EAST SIDE NEAR R17_R18,6,2,0,0
906121,591322,49.5,49.5,B7.1
906111,591351,47,47,B7.2
906115,591396,51.1,51.1,B7.3
906115,591416,51,51,B7.4
906107,591436,48,48,B7.5
906114,591463,45,45,B7.6
906100,591483,42.3,42.3,B7.7
906092,591520,40.5,40.5,B7.7A
906083,591556,37.4,37.4,B7.8
906088,591577,36,36,B7.9
B12 EAST SIDE 3-STORY BUILDING BETWEEN R21_R22,7,2,0,0
906055,591733,38,49,B12.1
906067,591731,39,50,B12.2
906069,591751,41.5,52.5,B12.3
906096,591748,41.5,52.5,B12.4
906099,591765,43.5,54.5,B12.5
906068,591809,45,56,B12.6
906069,591824,45,56,B12.7
906056,591827,39,50,B12.8
B8 EAST SIDE ALONG NB NEAR L7,8,2,0,0
906097,591367,44,44,B8.1
906084,591478,41.2,41.2,B8.2
906074,591475,37.6,37.6,B8.2A
906062,591573,38.1,38.1,B8.3
906051,591674,38.6,38.6,B8.4
906037,591772,39.1,39.1,B8.5
906047,591775,39.1,39.1,B8.6
906035,591873,45,45,B8.7
906023,591963,47,47,B8.8
906015,592026,48,48,B8.9
B13 NAT BAR NEAR R22_R23,9,2,0,0
906045,591941,48.5,48.5,B13.1
906059,591960,56,56,B13.2
B14 EAST SIDE 13FT WALL NEAR R24_R25,10,2,0,0
906062,591984,58.5,62.4,B14.1
906055,592003,56.7,60.6,B14.2
906054,592035,58.1,62,B14.3
906050,592095,63,66.9,B14.4
906077,592097,62,65.9,B14.5
B52 CENTER DIVIDER 603+90 - 612+00,11,2,0,0
906020,591670,38.7,39.7,B52.1
906009,591768,39.2,40.2,B52.2
905997,591867,39.7,40.7,B52.3
905986,591957,40.2,41.2,B52.4
905972,592067,40.8,41.8,B52.5
905959,592166,41.2,42.2,B52.6
905947,592265,41.6,42.6,B52.7
905935,592364,42.1,43.1,B52.8
905921,592483,42.6,43.6,B52.9
R,1,67,4
906239,590912,34.6,R6.12A
R,2,67,4
906238,590965,34.7,R6.12

R,3,67,4
906189,591062,42.2,R6.13
R,4,67,4
906169,591146,47.8,R6.14
R,5,67,4
906167,591270,60.9,R6.15
R,6,67,4
906152,591304,57.2,R6.16
R,7,67,4
906121,591342,49.7,R6.16A
R,7,67,4
906123,591411,52.7,R6.17
R,8,67,4
906135,591440,50.8,R6.18
R,9,67,4
906127,591559,41.7,R6.19
R,10,67,4
906085,591607,36.1,R6.20
R,11,67,4
906136,591657,40.7,R6.21
R,12,67,4
906074,591906,54.5,R6.22
R,13,67,4
906058,591981,59.5,R6.23
R,14,67,4
906070,591992,60.5,R6.24
R,15,67,4
906064,592077,64.1,R6.25
D,4.5
ALL,ALL
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
06 VIA DE LA VALLE TO LOMAS SANTA FE,BUILD,CALIBRATION,0,FT,,

1

BARRIER DATA
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BAR ELE		BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	-	3.*								B80.1	329.1	
2	-	3.*								B80.2	328.1	
3	-	3.*								B80.3	323.7	
4	-	3.*								B80.4	331.0	
5	-	3.*								B80.5	325.1	
6	-	3.*								B80.6	329.2	
7	-	3.*								B80.7	330.1	
8	-	3.*								B80.8	331.5	
9	-	3.*								B80.9	326.9	
10	-	3.*								B51.1	326.0	
11	-	3.*								B51.2	329.2	
12	-	3.*								B51.3	329.1	
13	-	3.*								B51.4	322.5	
14	-	3.*								B51.5	251.5	
15	-	3.*								B51.6	314.2	
16	-	3.*								B51.7	357.4	
17	-	3.*								B51.8	327.2	
18	-	3.*								B51.9	330.8	
19	-	25.*								B60.1	37.0	
20	-	25.*								B60.2	24.0	
21	-	25.*								B60.3	34.2	
22	-	0.*								B100.1	187.5	
23	-	0.*								B100.2	231.3	
24	-	0.*								B100.3	211.7	
25	-	0.*								B100.4	185.3	
26	-	0.*								B100.5	213.6	
27	-	0.*								B100.6	211.5	
28	-	0.*								B100.7	173.1	
29	-	0.*								B100.8	75.3	
30	-	0.*								B100.9	50.0	
31	-	0.*								B6.8	135.1	
32	-	0.*								B6.9	86.7	
33	-	0.*								B7.1	101.0	
34	-	0.*								B7.2	148.8	
35	-	0.*								B7.3	65.6	
36	-	0.*								B7.4	71.3	
37	-	0.*								B7.5	92.1	
38	-	0.*								B7.6	80.6	

39	-	0.*	B7.7	124.3
40	-	0.*	B7.7A	122.2
41	-	0.*	B7.8	71.0
42	-	36.*	B12.1	40.1
43	-	36.*	B12.2	66.4
44	-	36.*	B12.3	89.2
45	-	36.*	B12.4	57.0
46	-	36.*	B12.5	176.7
47	-	36.*	B12.6	49.3
48	-	36.*	B12.7	47.9
49	-	0.*	B8.1	366.8
50	-	0.*	B8.2	36.2
51	-	0.*	B8.2A	323.9
52	-	0.*	B8.3	333.4
53	-	0.*	B8.4	324.8
54	-	0.*	B8.5	34.2
55	-	0.*	B8.6	324.6
56	-	0.*	B8.7	297.9
57	-	0.*	B8.8	208.4
58	-	0.*	B13.1	81.3
59	-	13.*	B14.1	66.8
60	-	13.*	B14.2	105.1
61	-	13.*	B14.3	198.0
62	-	13.*	B14.4	88.9
63	-	3.*	B52.1	323.6
64	-	3.*	B52.2	327.2
65	-	3.*	B52.3	297.4
66	-	3.*	B52.4	363.8
67	-	3.*	B52.5	327.6
68	-	3.*	B52.6	327.2
69	-	3.*	B52.7	327.2
70	-	3.*	B52.8	393.2

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0 1 2 3 4 5 6 7

1

REC	REC ID	DNL	PEOPLE	LEQ(CAL)
1	REC 1	67.	500.	71.8
2	REC 2	67.	500.	66.5
3	R6.13	67.	500.	70.0
4	R6.14	67.	500.	68.7
5	R6.15	67.	500.	69.3
6	R6.16	67.	500.	69.6
7	R6.16A	67.	500.	73.5
8	R6.17	67.	500.	72.0
9	R6.18	67.	500.	69.5
10	R6.19	67.	500.	71.1
11	R6.20	67.	500.	73.6
12	R6.21	67.	500.	69.2
13	R6.22	67.	500.	71.9
14	R6.23	67.	500.	72.7

15 R6.24 67. 500. 66.9
16 R6.25 67. 500. 63.2
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.25.25.25. 0. 0. 0. 0.
0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.36.36.36.36.36.36.36. 0. 0.
0. 0. 0. 0. 0. 0. 0. 0.13.13.13.13. 3. 3. 3. 3. 3. 3. 3. 3.Segment 7

07 Lomas Santa Fe to Manchester,Calibration,ST7.3,0,Ft
T-L8 SB Outer Main Lane 606+80 to 615+00,1
0,65,0,65,0,65
T-L18 SB Inner Main Lane 606+80 to 615+00,2
3515,61,123,61,174,61
T-L58 SB INNER 606+80 to 615+00,3
3515,61,123,61,0,61
T-L57 NB INNER 606+80 to 615+00,4
4046,61,113,61,0,61
T-L17 NB Inner Main Lane 606+80 to 615+00,5
4046,61,113,61,135,61
T-L7 NB Outer Main Lane 606+80 to 615+00,6
0,65,0,65,0,65
T-L44 Lomas Santa Fe Dr. ON RAMP TO SB I-5,7
0,65,0,65,0,65
T-L46 SB OFF RAMP TO LOMAS SANTA FE ,8
0,65,0,65,0,65
T-L47 T-LOAMS SANTA FE DR ON RAMP TO NB 1-5,9
0,65,0,65,0,65
T-L10 SB OUTER MAIN LANE 615+00 TO 627+50,10
0,65,0,65,0,65
T-L20 SB INNER MAIN LANE 615+00 TO 627+50,11
3515,61,123,61,174,61
T-L60 SB INNER 615+00 TO 627+50,12
3515,61,123,61,0,61
T-L59 NB INNER 615+00 TO 627+50,13
4046,61,113,61,0,61
T-L19 NB INNER MAIN LANE 615+00 TO 627+50,14
4046,61,113,61,135,61
T-L9 OUTER MAIN LANE 615+00 - 627+50,15
0,65,0,65,0,65
L8 SB Outer Main Lane 606+80 to 615+00,1
N,905957,591953,40,L8.7
N,905943,592063,40.6,L8.8
N,905929,592161,41.1,L8.9
N,905919,592260,41.4,L8.10
N,905907,592361,41.9,L8.11
N,905893,592478,42.6,L8.12
N,905879,592578,43,L8.13
N,905868,592679,43.5,L8.14
N,905855,592776,43.9,L8.15
L18 SB Inner Main Lane 606+80 to 615+00,2,
N,905968,591954,40,L18.7
N,905954,592064,40.6,L18.8
N,905941,592163,41.1,L18.9
N,905930,592262,41.4,L18.10
N,905916,592362,41.9,L18.11
N,905902,592480,42.6,L18.12
N,905890,592579,43,L18.13
N,905879,592681,43.5,L18.14
N,905866,592778,43.9,L18.15
L58 SB HOV 606+80 to 615+00,3,
N,905977,591956,40.2,L58.7
N,905963,592065,40.8,L58.8
N,905951,592164,41.2,L58.9
N,905939,592263,41.6,L58.10

N,905927,592363,42.1,L58.11
N,905911,592482,42.6,L58.12
N,905900,592581,43.2,L58.13
N,905887,592680,43.7,L58.14
N,905876,592779,44.2,L58.15
L57 NB HOV 606+80 to 615+00,4,
N,905993,591959,40.2,L57.7
N,905980,592068,40.8,L57.8
N,905967,592168,41.2,L57.9
N,905955,592265,41.6,L57.10
N,905943,592365,42.1,L57.11
N,905928,592484,42.6,L57.12
N,905916,592583,43.2,L57.13
N,905904,592682,43.7,L57.14
N,905892,592782,44.1,L57.15
L17 NB Inner Main Lane 606+80 to 615+00,5,
N,906003,591961,40,L17.7
N,905989,592070,40.6,L17.8
N,905978,592169,41.1,L17.9
N,905965,592267,41.5,L17.10
N,905953,592367,42,L17.11
N,905939,592486,42.5,L17.12
N,905928,592585,43,L17.13
N,905914,592685,43.5,L17.14
N,905903,592783,44,L17.15
L7 NB Outer Main Lane 606+80 to 615+00,6,
N,906014,591962,40,L7.7
N,905998,592072,40.6,L7.8
N,905987,592170,41.1,L7.9
N,905974,592269,41.5,L7.10
N,905962,592369,42,L7.11
N,905949,592487,42.5,L7.12
N,905937,592586,43,L7.13
N,905925,592685,43.5,L7.14
N,905913,592785,44,L7.15
L44 Lomas Santa Fe Dr. ON RAMP TO SB I-5,7,
N,905957,591953,40,L44.1
N,905936,592061,40.6,L44.2
N,905930,592102,40,L44.3
N,905917,592180,39,L44.4
N,905906,592239,40.7,L44.5
N,905897,592278,40.2,L44.6
N,905885,592315,38.3,L44.7
N,905867,592351,36.2,L44.8
N,905840,592405,35.4,L44.9
L46 SB OFF RAMP TO LOMAS SANTA FE ,8,
N,905818,592443,35.8,L46.1
N,905826,592482,36.4,L46.2
N,905838,592540,38.7,L46.3
N,905850,592600,41.1,L46.4
N,905857,592658,42.6,L46.5
N,905854,592738,43.3,L46.6
N,905850,592794,44,L46.7
N,905842,592876,44.4,L46.8
L47 LOAMS SANTA FE DR ON RAMP TO NB 1-5,9,
N,906019,592426,36.2,L47.1

N,905999,592460,36.8,L47.2
N,905981,592494,39.3,L47.3
N,905964,592531,41.2,L47.4
N,905954,592569,41,L47.5
N,905942,592629,42.6,L47.6
N,905930,592707,43.1,L47.7
N,905918,592786,44,L47.8
N,905900,592883,49.5,L47.9
L10 SB OUTER MAIN LANE 615+00 TO 627+50,10,
N,905855,592776,43.9,L10.1
N,905842,592876,44.4,L10.2
N,905834,592947,44.8,L10.3
N,905826,593022,44.4,L10.4
N,905817,593093,43.2,L10.5
N,905801,593170,41.3,L10.6
N,905776,593253,38.7,L10.7
N,905747,593328,36,L10.8
N,905710,593403,33.5,L10.9
N,905667,593471,31,L10.10
N,905608,593547,28,L10.11
N,905537,593625,25,L10.12
N,905468,593696,22,L10.13
N,905400,593770,19,L10.14
N,905331,593844,16,L10.15
L20 SB INNER MAIN LANE 615+00 TO 627+50,11,
N,905866,592778,43.9,L20.1
N,905853,592877,44.4,L20.2
N,905845,592948,44.8,L20.3
N,905836,593024,44.4,L20.4
N,905827,593095,43.2,L20.5
N,905812,593171,41.3,L20.6
N,905787,593257,38.7,L20.7
N,905756,593335,36,L20.8
N,905720,593408,33.5,L20.9
N,905676,593477,31,L20.10
N,905616,593555,28,L20.11
N,905544,593632,25,L20.12
N,905477,593704,22,L20.13
N,905406,593777,19,L20.14
N,905339,593850,16,L20.15
L60 SB HOV 615+00 TO 627+50,12,
N,905876,592779,44.2,L60.1
N,905864,592879,44.6,L60.2
N,905854,592949,44.8,L60.3
N,905846,593025,44.5,L60.4
N,905837,593098,43.5,L60.5
N,905822,593174,41.6,L60.6
N,905796,593260,39,L60.7
N,905765,593339,36.4,L60.8
N,905728,593413,33.8,L60.9
N,905683,593483,31.3,L60.10
N,905621,593562,28.3,L60.11
N,905551,593639,25.2,L60.12
N,905483,593711,22.2,L60.13
N,905413,593784,19.2,L60.14
N,905346,593857,16.2,L60.15

L59 NB HOV 615+00 TO 627+50,13,
N,905892,592782,44.1,L59.1
N,905880,592880,44.6,L59.2
N,905871,592952,44.8,L59.3
N,905862,593027,44.5,L59.4
N,905851,593109,43.5,L59.5
N,905837,593187,41.5,L59.6
N,905810,593272,39,L59.7
N,905778,593351,36.5,L59.8
N,905734,593438,33.7,L59.9
N,905687,593508,31.2,L59.10
N,905634,593573,28.6,L59.11
N,905563,593652,25.2,L59.12
N,905496,593722,22.2,L59.13
N,905426,593796,19.2,L59.14
N,905357,593869,16,L59.15
L19 NB INNER MAIN LANE 615+00 TO 627+50,14,
N,905903,592783,44,L19.1
N,905890,592881,49.5,L19.2
N,905882,592953,44.8,L19.3
N,905872,593029,44.4,L19.4
N,905861,593112,43.7,L19.5
N,905845,593190,42,L19.6
N,905819,593276,39.3,L19.7
N,905786,593356,36.7,L19.8
N,905740,593443,34,L19.9
N,905695,593513,31.5,L19.10
N,905642,593580,29,L19.11
N,905570,593658,25,L19.12
N,905502,593729,22,L19.13
N,905433,593803,19,L19.14
N,905365,593876,15.9,L19.15
L9 OUTER MAIN LANE 615+00 - 627+50,15,
N,905913,592785,44,L9.1
N,905900,592883,49.5,L9.2
N,905892,592955,44.8,L9.3
N,905883,593030,44.4,L9.4
B52 CENTER DIVIDER 606+80 - 612+00,1,2,0,0
905986,591957,40.2,41.2,B52.4
905972,592067,40.8,41.8,B52.5
905959,592166,41.2,42.2,B52.6
905947,592265,41.6,42.6,B52.7
905935,592364,42.1,43.1,B52.8
905921,592483,42.6,43.6,B52.9
B25 E. SIDE BUILDING NEAR R7.12,2,2,0,0
906000,592580,37.4,45,B25.1
905965,592561,37,44.6,B25.2
B5 E SIDE NEAR R7.12 THRU R7.15 ROW,3,2,0,0
905965,592561,37,40.7,B5.1
905954,592610,40.6,44.3,B5.2
905948,592636,44,47.7,B5.3
905944,592661,48,51.7,B5.4
905939,592691,48.6,52.3,B5.5
905937,592720,50,53.7,B5.6
B5 E SIDE NEAR R7.12 THRU R7.15 ROW,4,2,0,0
905937,592720,50,50,B5.6

905947,592731,52,52,B5.7
905941,592768,53.5,53.5,B5.8
905933,592828,56.5,56.5,B5.9
905932,592837,57,57,B5.10
B31 E. SIDE NEAR R7.15 THRU R7.21 NAT. BAR.,5,2,0,0
905945,592915,62,62,B31.1
905934,592928,64,64,B31.2
905936,592949,67,67,B31.3
905936,592977,68,68,B31.4
905939,593009,72,72,B31.5
905946,593035,74.2,74.2,B31.6
B6 E. SIDE NEAR R7.15 THRU R7.21 Private Property,6,2,0,0
905975,592939,65,67.4,B6.4B
905945,592953,66,68.4,B6.4A
B6 E. SIDE NEAR R7.15 THRU R7.21 ROW,6,2,0,0
905932,592837,57,57,B6.1
905940,592860,59,59,B6.2
905944,592870,61.5,61.5,B6.3
905945,592915,62,62,B6.4
905945,592953,66,68.4,B6.4A
905949,592972,67.2,67.2,B6.5
905946,593035,74.2,74.2,B6.6
B6 E. SIDE NEAR R7.15 THRU R7.21 ROW,7,2,0,0
905946,593035,74.2,74.2,B6.6
905944,593081,76.6,76.6,B6.7
905941,593104,76.6,76.6,B6.8
905930,593132,71.5,71.5,B6.8
905933,593144,69.5,69.5,B6.9
905917,593173,64.9,64.9,B6.9A
905911,593196,62.3,62.3,B6.10
B15 E. SIDE NAT. BAR. NEAR R7.15 THRU R7.17,8,2,0,0
905933,592828,56.5,56.5,B15.1
905950,592858,56.5,56.5,B15.2
905956,592887,56.5,56.5,B15.3
905956,592904,56.5,56.5,B15.4
905962,592912,56.5,56.5,B15.5
905971,592915,56.5,56.5,B15.6
905986,592906,56.5,56.5,B15.7
B7 E. SIDE NEAR R7.22 THRU R7.30 ROW,9,2,0,0
905911,593196,62.3,62.3,B7.1
905886,593232,57.5,57.5,B7.1A
905870,593267,54,54,B7.2
905849,593301,50,50,B7.3
905815,593355,44,44,B7.4
905812,593343,44,44,B7.4A
B7 E. SIDE NEAR R7.22 THRU R7.30 ROW,10,2,0,0
905812,593343,44,44,B7.4A
905798,593374,40.5,40.5,B7.5
905789,593392,40.5,40.5,B7.6
905770,593427,39.5,39.5,B7.6A
905747,593473,37,37,B7.7
905711,593525,30,30,B7.8
905689,593555,26,26,B7.9
905651,593629,16,16,B7.10
B9 E. SIDE NAT. BAR NEAR R7.21&R7.22,11,1,0,0
905946,593035,74.2,74.2,B9.1

905950,593082,74.5,74.5,B9.2
905946,593104,74,74,B9.3
905933,593144,69.5,69.5,B9.4
B17 SHOULDER/RETAING WALL,12,2,0,0
905689,593555,26,26,B17.1
905656,593594,22,22,B17.2
905619,593634,20.3,20.3,B17.3
905583,593672,18,18,B17.4
905551,593707,17,17,B17.5
905518,593743,15.5,15.5,B17.6
905447,593817,12.5,12.5,B17.7
905378,593889,10,10,B17.8
B50 CENTER DIVIDER 612+00 TO 619+90,13,2,0,0
905921,592483,42.6,43.6,B50.1
905908,592583,43.2,44.2,B50.2
905896,592681,43.7,44.7,B50.3
905884,592781,44.2,45.2,B50.4
905872,592880,44.6,45.6,B50.5
905863,592950,44.8,45.8,B50.6
905854,593026,44.5,45.5,B50.7
905844,593098,43.5,44.5,B50.8
905829,593180,41.6,42.6,B50.9
905802,593266,39,40,B50.10
B51 CENTER DIVIDER 619+90 TO 627+00,14,2,0,0
905802,593266,39,40,B51.1
905771,593345,36.5,37.5,B51.2
905731,593424,33.8,34.8,B51.3
905686,593496,31.3,32.3,B51.4
905628,593569,28.5,29.5,B51.5
905557,593644,25.2,26.2,B51.6
905490,593716,22.2,23.2,B51.7
905420,593789,19.2,20.2,B51.8
905353,593863,16.1,17.1,B51.9
B40 No Build ROW 619+90 TO 627+00,15,2,0,0
905872,593115,43.7,43.7,B40.5
905856,593193,42,42,B40.6
905828,593279,39.3,39.3,B40.7
905795,593361,36.7,36.7,B40.8
905751,593446,34,34,B40.9
905703,593520,31.5,31.5,B40.10
905650,593588,29,29,B40.11
905578,593665,25,25,B40.12
905511,593737,22,22,B40.13
R,12,67,4,
905958,592618,42.3,R7.12
R,13,67,4,
905957,592697,48.3,R7.13
R,14,67,4,
905949,592784,55,R7.14
R,15,67,4,
905957,592872,57.7,R7.15
R,16,67,4,
905965,592908,57.9,R7.16
R,17,67,4,
905988,592929,64.9,R7.17
R,18,67,4,

905961,592952,67.3,R7.18
R,19,67,4
905957,593008,71,R7.19
R,20,67,4
905953,593070,75.3,R7.20
R,21,67,4
905939,593135,73.6,R7.21
R,21,67,4
905960,593173,68.5,R7.21A
R,22,67,4
905904,593230,62.9,R7.22
R,23,67,4
905873,593290,57.7,R7.23
R,24,67,4
905852,593322,53.1,R7.24
R,25,67,4
905823,593367,47.7,R7.25
R,26,67,4
905797,593408,42.2,R7.26
R,27,67,4
905779,593449,35.7,R7.27
R,28,67,4
905742,593507,29.2,R7.28
R,29,67,4
905714,593550,23.6,R7.29
R,30,67,4
905675,593611,18.1,R7.30
R,31,67,4
905633,593672,16.5,R7.31
R,32,67,4
905697,593692,16.1,R7.32
D,4.5
ALL,ALL
C,C

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
07 LOMAS SANTA FE TO MANCHESTER,CALIBRATION,0,FT,,

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	3.*							B52.4	363.8	
2	-	3.*							B52.5	327.6	
3	-	3.*							B52.6	327.2	
4	-	3.*							B52.7	327.2	
5	-	3.*							B52.8	393.2	
6	-	25.*							B25.1	130.6	
7	-	12.*							B5.1	165.1	
8	-	12.*							B5.2	88.3	
9	-	12.*							B5.3	84.2	
10	-	12.*							B5.4	99.8	
11	-	12.*							B5.5	95.4	
12	-	0.*							B5.6	49.2	
13	-	0.*							B5.7	123.1	
14	-	0.*							B5.8	198.9	
15	-	0.*							B5.9	29.7	
16	-	0.*							B31.1	56.2	
17	-	0.*							B31.2	69.9	
18	-	0.*							B31.3	92.0	
19	-	0.*							B31.4	106.3	
20	-	0.*							B31.5	88.6	
21	-	8.*							B6.4B	108.7	
22	-	0.*							B6.1	80.1	
23	-	0.*							B6.2	36.3	
24	-	0.*							B6.3	147.7	
25	-	4.*							B6.4	126.5	
26	-	4.*							B6.4A	63.8	
27	-	0.*							B6.5	208.2	
28	-	0.*							B6.6	151.3	
29	-	0.*							B6.7	76.1	
30	-	0.*							B6.8	100.0	
31	-	0.*							B6.8	41.1	
32	-	0.*							B6.9	109.7	
33	-	0.*							B6.9A	78.5	
34	-	0.*							B15.1	113.1	
35	-	0.*							B15.2	97.1	

36	-	0.*	B15.3	55.8
37	-	0.*	B15.4	32.8
38	-	0.*	B15.5	31.1
39	-	0.*	B15.6	57.4
40	-	0.*	B7.1	144.7
41	-	0.*	B7.1A	126.7
42	-	0.*	B7.2	131.8
43	-	0.*	B7.3	210.3
44	-	0.*	B7.4	40.6
45	-	0.*	B7.4A	112.2
46	-	0.*	B7.5	66.0
47	-	0.*	B7.6	130.7
48	-	0.*	B7.6A	168.9
49	-	0.*	B7.7	208.8
50	-	0.*	B7.8	122.7
51	-	0.*	B7.9	274.9
52	-	0.*	B9.1	154.8
53	-	0.*	B9.2	73.4
54	-	0.*	B9.3	138.8
55	-	0.*	B17.1	168.2
56	-	0.*	B17.2	178.8
57	-	0.*	B17.3	171.9
58	-	0.*	B17.4	155.6
59	-	0.*	B17.5	160.2
60	-	0.*	B17.6	336.7
61	-	0.*	B17.7	327.2
62	-	3.*	B50.1	330.8
63	-	3.*	B50.2	324.0
64	-	3.*	B50.3	330.4
65	-	3.*	B50.4	327.2
66	-	3.*	B50.5	231.5
67	-	3.*	B50.6	251.2
68	-	3.*	B50.7	238.5
69	-	3.*	B50.8	273.5
70	-	3.*	B50.9	295.9
71	-	3.*	B51.1	278.5
72	-	3.*	B51.2	290.6
73	-	3.*	B51.3	278.7
74	-	3.*	B51.4	306.0
75	-	3.*	B51.5	339.0
76	-	3.*	B51.6	322.8
77	-	3.*	B51.7	331.9
78	-	3.*	B51.8	327.7
79	-	0.*	B40.5	261.3
80	-	0.*	B40.6	296.8
81	-	0.*	B40.7	290.1
82	-	0.*	B40.8	314.2
83	-	0.*	B40.9	289.5
84	-	0.*	B40.10	282.9

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85    -  0.*                        B40.11    346.1
86    -  0.*                        B40.12    322.8
-------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
 REC REC ID    DNL  PEOPLE   LEQ(CAL)
 ---------------------------------
  1  R7.12     67.    500.   66.1
  2  R7.13     67.    500.   64.9
  3  R7.14     67.    500.   71.0
  4  R7.15     67.    500.   63.3
  5  R7.16     67.    500.   61.1
  6  R7.17     67.    500.   62.4
  7  R7.18     67.    500.   62.8
  8  R7.19     67.    500.   62.7
  9  R7.20     67.    500.   62.4
 10  R7.21     67.    500.   68.9
 11  R7.21A    67.    500.   62.5
 12  R7.22     67.    500.   71.3
 13  R7.23     67.    500.   72.7
 14  R7.24     67.    500.   73.3
 15  R7.25     67.    500.   74.1
 16  R7.26     67.    500.   73.8
 17  R7.27     67.    500.   66.7
 18  R7.28     67.    500.   67.4
 19  R7.29     67.    500.   67.0
 20  R7.30     67.    500.   65.8
 21  R7.31     67.    500.   67.1
 22  R7.32     67.    500.   65.7
 BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
  3. 3. 3. 3. 3.25.12.12.12.12.12. 0. 0. 0. 0. 0. 0. 0. 0. 0. 8. 0. 0. 0. 4.
  4. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
  0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
  3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0.
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Segment 8
8 Manchester to Birmingham -Calibration,0,Ft,
T-L2 SB Outer General Lane ST 628-640,1
0,65,0,65,0,65
T-L12 SB Inner General Lane ST 628-640,2
2966,65,122,65,128,65
T-L52 SB HOV Lane ST 628-640,3
2966,65,122,65,128,65
T-L51 NB HOV Lane ST 628-640,4
2772,65,108,65,143,65
T-L11 NB Inner General Lane ST 628-640,5
2772,65,108,65,143,65
T-L1 NB Outer Genral Lane ST 628-640,6
0,65,0,65,0,65
T-L24 SB Manchester On-Ramp Loop,7
0,25,0,25,0,25
T-L23 NB Manchester Off-ramp Loop,8
0,25,0,25,0,25
T-L21 NB Manchester On-ramp,9
336,45,12,45,0,45
T-L22 SB Manchester Off-ramp ,10
0,45,0,45,0,45
T-L26 SB Birmingham On-Ramp,11
0,45,0,45,0,45
T-L25 NB Birmingham Ave Off-Ramp,12
270,45,12,45,0,45
T-L4 SB Outer General Lane ST 640-654,13
0,65,0,65,0,65
T-L14 SB Inner General Lane ST 640-654,14
2966,65,122,65,128,65
T-L54 SB HOV Lane ST 640-654,15
2966,65,122,65,128,65
T-L53 NB HOV Lane ST 640-654,16
2772,65,108,65,143,65
T-L13 NB Inner General Lane ST 640-654,17
2772,65,108,65,143,65
T-L3 NB Outer General Lane ST 640-654,18
0,65,0,65,0,65
T-L27 NB Brimingham Dr on-ramp,19
422,45,4,45,4,45
T-L28 SB Brimingham off-ramp ,20
412,45,4,45,4,45
L2 SB Outer General Lane ST 628-640,1
N,905328,593844,16,L2.1,
N,905253,593924,12.9,L2.2,
N,905192,593991,11.8,L2.3,
N,905149,594036,11.6,L2.4,
N,905095,594094,12.3,L2.5,
N,905035,594157,14,L2.6,
N,904966,594230,17.3,L2.7
N,904897,594304,20.3,L2.8
N,904829,594374,23.3,L2.9
N,904760,594449,26.3,L2.10
N,904698,594514,29.7,L2.11
N,904644,594577,31.8,L2.12
N,904591,594649,33.2,L2.13

N,904541,594729,34,L2.14
N,904494,594818,35.3,L2.15
L12 SB Inner General Lane ST628-640,2,
N,905336,593852,16,L12.1
N,905261,593931,12.9,L12.2
N,905199,593997,11.8,L12.3
N,905154,594043,11.6,L12.4
N,905101,594100,12.3,L12.5
N,905041,594163,14.3,L12.6
N,904972,594236,17.3,L12.7
N,904903,594310,20.3,L12.8
N,904835,594380,23.3,L12.9
N,904766,594454,26.3,L12.10
N,904705,594520,29.7,L12.11
N,904651,594583,31.8,L12.12
N,904598,594655,33.2,L12.13
N,904549,594734,34,L12.14
N,904502,594823,35.3,L12.15
L52 SB Inner HOV Lane ST 628-640,3,
N,905343,593859,16.2,L52.1
N,905268,593938,13,L52.2
N,905206,594004,12,L52.3
N,905162,594050,11.7,L52.4
N,905109,594106,12.5,L52.5
N,905049,594170,14.5,L52.6
N,904979,594244,17.3,L52.7
N,904911,594316,20.5,L52.8
N,904843,594387,23.5,L52.9
N,904774,594461,26.5,L52.10
N,904711,594528,29.5,L52.11
N,904659,594590,31.5,L52.12
N,904606,594662,33,L52.13
N,904557,594739,34,L52.14
N,904511,594827,35.3,L52.15
L51 NB Inner HOV Lane ST 628-640,4,
N,905355,593870,16,L51.1
N,905280,593950,13.2,L51.2
N,905218,594016,12,L51.3
N,905173,594062,11.6,L51.4
N,905121,594119,12.5,L51.5
N,905060,594183,14.5,L51.6
N,904992,594256,17.5,L51.7
N,904924,594326,20.5,L51.8
N,904856,594398,23.5,L51.9
N,904787,594472,26.5,L51.10
N,904718,594545,29.5,L51.11
N,904666,594607,31.5,L51.12
N,904618,594673,32.7,L51.13
N,904568,594756,34,L51.14
N,904526,594835,35,L51.15
L11 NB Inner General Lane ST 628-640,5,
N,905362,593877,15.8,L11.1
N,905287,593957,13,L11.2
N,905225,594023,11.9,L11.3
N,905181,594070,11.5,L11.4
N,905127,594126,12.4,L11.5

N,905066,594189,14.4,L11.6
N,904998,594261,17.3,L11.7
N,904931,594334,20.3,L11.8
N,904864,594404,23.3,L11.9
N,904793,594478,26.3,L11.10
N,904726,594552,29.2,L11.11
N,904674,594614,31.3,L11.12
N,904625,594681,32.7,L11.13
N,904575,594760,33.7,L11.14
N,904534,594840,34.7,L11.15
L1 NB Outer Genral Lane ST 628-640,6,
N,905371,593885,15.8,L1.1
N,905295,593965,13,L1.2
N,905230,594029,11.9,L1.3
N,905187,594077,11.5,L1.4
N,905133,594133,12.4,L1.5
N,905073,594196,14.4,L1.6
N,905005,594269,17.3,L1.7
N,904937,594341,20.3,L1.8
N,904871,594411,23.3,L1.9
N,904799,594486,26.3,L1.10
N,904731,594558,29.2,L1.11
N,904681,594619,31.3,L1.12
N,904632,594686,32.7,L1.13
N,904583,594766,33.7,L1.14
N,904542,594845,34.7,L1.15
L23 NB Manchester Off-ramp Loop,7,
N,905295,593965,13.0,L23.1
N,905239,594038,12.0,L23.2
N,905199,594089,11.5,L23.3
N,905150,594151,11.0,L23.4
N,905148,594207,10.5,L23.5
N,905186,594223,10.0,L23.6
N,905230,594209,7.0,L23.7
N,905263,594137,5.7,L23.8
N,905286,594076,4.8,L23.9
L24 SB Manchester Ave. Access Ramp,8,
N,905042,593976,5.3,L24.1
N,905027,594026,6.4,L24.2
N,905018,594073,8.3,L24.3
N,905041,594095,9.3,L24.4
N,905060,594095,10.2,L24.5
N,905076,594086,11,L24.6
N,905150,594019,11.1,L24.7
N,905221,593948,11.9,L24.8
N,905255,593914,13,L24.9
N,905328,593844,16,L24.10
L21 NB Manchester ave on ramp,9,
N,905293,594084,5,L21.1
N,905278,594120,5,L21.2
N,905246,594194,7.8,L21.3
N,905226,594217,9,L21.4
N,905198,594229,10,L21.5
N,905100,594232,13.5,L21.6
N,905061,594241,15.5,L21.7
N,905026,594261,16.1,L21.8

N,904997,594288,17.5,L21.9
N,904940,594343,19.9,L21.10
N,904871,594411,23.3,L21.11
L22 SB off ramp to Manchester ave,10,
N,905034,593976,5.2,L22.1
N,905017,594034,6,L22.2
N,905006,594073,9,L22.3
N,904995,594132,12.2,L22.4
N,904984,594170,14,L22.5
N,904965,594203,15.5,L22.6
N,904902,594283,19.2,L22.7
N,904878,594312,20.5,L22.8
N,904829,594374,23.3,L22.9
L26 SB Birmingham Ave Access Ramp,11,
N,904385,595187,39.6,L26.1
N,904358,595316,40,L26.2
N,904340,595415,41.7,L26.3
N,904328,595473,42.2,L26.4
N,904313,595532,42.9,L26.5
N,904301,595570,44.5,L26.6
N,904278,595623,48.5,L26.7
N,904228,595711,55.8,L26.8
N,904189,595780,59.8,L26.9
L25 SB Birmingham Ave Exit Ramp,12,
N,904406,595402,41.8,L25.1
N,904399,595485,43.8,L25.2
N,904390,595565,45.1,L25.3
N,904383,595604,45.8,L25.4
N,904376,595644,47.3,L25.5
N,904353,595741,53,L25.6
N,904335,595818,56.3,L25.7
L4 SB Outer General Lane ST 640-654,13,
N,904494,594818,35.5,L4.1
N,904453,594913,36.6,L4.2
N,904421,595011,37.7,L4.3
N,904399,595107,38.5,L4.4
N,904385,595187,39.6,L4.5
N,904369,595285,40.5,L4.6
N,904351,595396,41.8,L4.7
N,904336,595494,43,L4.8
N,904314,595589,44.3,L4.9
N,904290,595668,45.3,L4.10
N,904255,595759,47.2,L4.11
N,904217,595833,49.8,L4.12
N,904170,595921,52.8,L4.13
N,904119,596012,55.8,L4.14
N,904071,596099,58.3,L4.15
L14 SB Outer General Lane ST 640-654,14,
N,904502,594823,35.5,L14.1
N,904463,594916,36.6,L14.2
N,904430,595013,37.7,L14.3
N,904407,595110,38.3,L14.4
N,904394,595189,39.6,L14.5
N,904378,595286,40.5,L14.6
N,904361,595398,41.8,L14.7
N,904345,595495,43,L14.8

N,904322,595592,44.3,L14.9
N,904298,595671,45.3,L14.10
N,904263,595763,47.2,L14.11
N,904227,595838,49.8,L14.12
N,904178,595925,52.8,L14.13
N,904127,596016,55.8,L14.14
N,904079,596104,58.3,L14.15
L54 SB Inner HOV Lane ST 640-654,15,
N,904511,594827,35.3,L54.1
N,904471,594920,36.3,L54.2
N,904440,595016,37.4,L54.3
N,904417,595112,38.5,L54.4
N,904403,595191,39.5,L54.5
N,904387,595288,40.6,L54.6
N,904371,595400,42,L54.7
N,904354,595497,43.3,L54.8
N,904332,595595,44.5,L54.9
N,904308,595674,45.5,L54.10
N,904272,595767,47.5,L54.11
N,904234,595841,50,L54.12
N,904187,595929,53,L54.13
N,904137,596020,56,L54.14
N,904087,596108,58.5,L54.15
L53 NB Inner HOV Lane ST 640-654,16,
N,904526,594835,35,L53.1
N,904487,594927,36.3,L53.2
N,904455,595023,37.4,L53.3
N,904433,595116,38.5,L53.4
N,904421,595192,39.5,L53.5
N,904404,595289,40.7,L53.6
N,904387,595399,42,L53.7
N,904371,595499,43.4,L53.8
N,904349,595599,44.8,L53.9
N,904325,595678,45.8,L53.10
N,904290,595768,47.5,L53.11
N,904252,595844,50,L53.12
N,904201,595937,53,L53.13
N,904152,596028,56,L53.14
N,904103,596117,58.5,L53.15
L13 NB Inner General Lane ST 640-654,17,
N,904534,594840,34.7,L13.1
N,904496,594932,36.3,L13.2
N,904465,595027,37.1,L13.3
N,904442,595119,38.3,L13.4
N,904430,595194,39.3,L13.5
N,904414,595292,40.5,L13.6
N,904397,595401,41.8,L13.7
N,904381,595501,43.3,L13.8
N,904358,595602,45,L13.9
N,904334,595681,46,L13.10
N,904298,595771,47.7,L13.11
N,904262,595848,50.2,L13.12
N,904210,595943,52.8,L13.13
N,904160,596033,55.8,L13.14
N,904110,596123,58.3,L13.15
L3 NB Outer General Lane ST 640-654,18,

N,904542,594845,34.7,L3.1
N,904504,594936,36.3,L3.2
N,904473,595030,37.1,L3.3
N,904452,595122,38.3,L3.4
N,904439,595196,39.3,L3.5
N,904423,595294,40.5,L3.6
N,904406,595402,41.8,L3.7
N,904390,595503,43.3,L3.8
N,904366,595604,45,L3.9
N,904342,595685,46,L3.10
N,904308,595775,47.7,L3.11
N,904269,595852,50.2,L3.12
N,904217,595948,52.8,L3.13
N,904168,596038,55.8,L3.14
N,904118,596127,58.3,L3.15
L27 NB Brimingham Dr on-ramp,19,
N,904325,595829,56.5,L27.1
N,904305,595852,56.7,L27.2
N,904269,595899,55,L27.3
N,904235,595948,53.2,L27.4
N,904213,595981,53.1,L27.5
N,904171,596049,55.7,L27.6
N,904131,596118,57.7,L27.7
N,904093,596184,59.6,L27.8
N,904026,596295,61.8,L27.9
L28 SB off-ramp to Brimingham Dr,20,
N,904181,595796,59.9,L28.1
N,904162,595867,57.2,L28.2
N,904144,595921,54.8,L28.3
N,904128,595957,53.6,L28.4
N,904112,595994,55.1,L28.5
N,904088,596049,56.7,L28.6
N,904067,596096,57.9,L28.7
N,904034,596165,59.8,L28.8
B100 NB Side,1,2,0,0
905168,594251,16,16,B100.1
905095,594253,18,18,B100.2
905082,594266,24,24,B100.3
905062,594284,30.3,30.3,B100.4
905044,594321,38,38,B100.5
905028,594361,48,48,B100.6
905010,594402,52,52,B100.7
B8 ROW NB Side near R18 - R21,2,2,0,0
904668,594788,68,68,B8.1
904645,594818,66.5,66.5,B8.2
904621,594848,66,66,B8.3
904608,594876,64,64,B8.4
904585,594921,64,64,B8.5
B7 NB Side near R14 - R17,3,2,0,0
905066,594513,67,67,B7.1
905047,594514,67.5,67.5,B7.2
905022,594518,67.2,67.2,B7.3
905010,594524,67,67,B7.4
904992,594538,67,67,B7.5
904965,594542,68,68,B7.6
904946,594553,68,68,B7.7

904931,594567,68,68,B7.8
904923,594591,68.2,68.2,B7.9
904915,594606,66,66,B7.10
B7 NB Side near R14 - R17,4,2,0,0
904915,594606,66,66,B7.10
904914,594620,66,66,B7.11
904897,594647,66,66,B7.12
904894,594676,69,69,B7.13
B50 Center divider 628 - 636,5,2,0,0
905350,593864,16.1,17.1,B50.1
905275,593944,13.1,14.1,B50.2
905211,594009,12,13,B50.3
905168,594055,11.7,12.7,B50.4
905114,594113,12.5,13.5,B50.5
905054,594176,14.5,15.5,B50.6
904985,594250,17.5,18.5,B50.7
904916,594322,20.5,21.5,B50.8
904847,594394,23.5,24.5,B50.9
904779,594466,26.5,27.5,B50.10
B51 Center divider 636 - 644,6,2,0,0
904779,594466,26.5,27.5,B51.1
904714,594535,29.5,30.5,B51.2
904663,594598,31.5,32.5,B51.3
904611,594667,32.8,33.8,B51.4
904562,594747,34,35,B51.5
904519,594831,35.1,36.1,B51.6
904481,594925,36.3,37.3,B51.7
904448,595019,37.4,38.4,B51.8
904425,595114,38.5,39.5,B51.9
904413,595192,39.5,40.5,B51.10
B9 NB Side near R19 - R21,7,2,0,0
904600,594909,68.5,68.5,B9.1
904590,595000,69,69,B9.2
904604,595030,69,69,B9.3
904616,595067,69,69,B9.4
904625,595111,66.3,66.3,B9.5
904624,595139,68.5,68.5,B9.6
904618,595156,68,68,B9.7
904588,595187,68,68,B9.8
904560,595177,68,68,B9.9
904548,595189,68,68,B9.10
B10 NB Side near R21,8,2,0,0
904548,595189,68,68,B10.1
904541,595219,68,68,B10.2
904548,595235,68,68,B10.3
904564,595265,68,68,B10.4
B21 NB Side Building near R22,9,2,0,0
904494,595305,44.5,44.5,B21.1
904501,595305,44.9,44.9,B21.2
904502,595318,44.3,44.3,B21.3
B11 Right of Way near R23 - R24,10,2,0,0
904468,595210,37,37,B11.1
904458,595256,37.5,37.5,B11.2
904453,595292,38.1,38.1,B11.3
904441,595307,40.5,40.5,B11.4
904437,595345,42,42,B11.5

904434,595379,46,46,B11.6
B12 NB Side Property line near R23 - R27,11,2,0,0
904446,595307,42.5,42.5,B12.1
904443,595344,45.5,45.5,B12.2
904441,595349,46.5,46.5,B12.3
904439,595368,47,47,B12.4
904439,595423,50,50,B12.5
904440,595463,52,52,B12.6
904435,595491,52.2,52.2,B12.7
904428,595509,53,53,B12.8
904429,595526,55,55,B12.9
904434,595538,60,60,B12.10
B13 NB Side Property line near,12,2,0,0
904434,595538,60,60,B13.1
904435,595547,62.5,62.5,B13.2
904436,595586,64,64,B13.3
904445,595625,63,63,B13.4
904449,595664,63.2,63.2,B13.5
904446,595704,64,64,B13.6
904438,595729,64,64,B13.7
904434,595741,66,66,B13.8
904434,595766,68.5,68.5,B13.9
904434,595788,62,62,B13.10
B52 Center divider 644 - 653,13,2,0,0
904413,595192,39.5,40.5,B52.1
904397,595289,40.6,41.6,B52.2
904379,595400,42,43,B52.3
904362,595498,43.3,44.3,B52.4
904339,595597,44.6,45.6,B52.5
904316,595676,45.6,46.6,B52.6
904281,595767,47.5,48.5,B52.7
904244,595844,50,51,B52.8
904194,595933,53,54,B52.9
904145,596025,56,57,B52.10
B23 Nat Barrier NB Birmingham ramps,14,2,0,0
904351,595693,50,50,B23.1
904339,595769,54,54,B23.2
904328,595821,56.2,56.2,B23.3
904294,595814,56.3,56.3,B23.4
904289,595824,56.3,56.3,B23.5
904313,595830,56.4,56.4,B23.6
904312,595841,56.8,56.8,B23.7
904250,595913,54.5,54.5,B23.8
904219,595951,53.6,53.6,B23.9
B45 Storage Facility,15,2,0,0
904420,595581,58,60,B45.1
904415,595641,54,60,B45.2
904415,595697,54,60,B45.3
R,1,67,4
905107,594277,19.8,R8.13
R,2,67,4
905047,594520,70.6,R8.14
R,3,67,4
905002,594534,71,R8.15
R,4,67,4
904946,594559,71.1,R8.16

R,5,67,4
904912,594632,69.5,R8.17
R,6,67,4
904626,594863,70.5,R8.18
R,7,67,4
904600,594923,70.5,R8.19
R,8,67,4
904629,595112,71.1,R8.20
R,9,67,4
904553,595209,70.4,R8.21
R,10,67,4
904505,595304,46.4,R8.22
R,11,67,4
904451,595306,44.7,R8.23
R,12,67,4
904443,595359,48,R8.24
R,13,67,4
904443,595419,51.3,R8.25
R,14,67,4
904441,595476,54.5,R8.26
R,15,67,4
904438,595558,64,R8.27
R,16,67,4
904449,595629,64.2,R8.28/ST8.6
R,17,67,4
904452,595697,65.6,R8.29
R,18,67,4
904445,595784,64.8,R8.30
D,4.5
ALL,1
ALL,2
ALL,3
ALL,4
ALL,5
ALL,6
ALL,7
ALL,9
ALL,10
ALL,11
ALL,12
ALL,13
ALL,14
ALL,15
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
08 MANCHESTER TO BIRMINGHAM -CALIBRATION,0,FT,

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	-	0.*							B100.1	239.7	
2	-	0.*							B100.2	63.4	
3	-	0.*							B100.3	90.7	
4	-	0.*							B100.4	137.2	
5	-	0.*							B100.5	145.2	
6	-	0.*							B100.6	147.5	
7	-	0.*							B8.1	124.1	
8	-	0.*							B8.2	126.0	
9	-	0.*							B8.3	101.5	
10	-	0.*							B8.4	165.8	
11	-	0.*							B7.1	62.4	
12	-	0.*							B7.2	83.1	
13	-	0.*							B7.3	44.1	
14	-	0.*							B7.4	74.8	
15	-	0.*							B7.5	89.6	
16	-	0.*							B7.6	72.1	
17	-	0.*							B7.7	67.3	
18	-	0.*							B7.8	83.0	
19	-	0.*							B7.9	56.3	
20	-	0.*							B7.10	46.0	
21	-	0.*							B7.11	104.7	
22	-	0.*							B7.12	96.1	
23	-	3.*							B50.1	360.0	
24	-	3.*							B50.2	299.2	
25	-	3.*							B50.3	206.6	
26	-	3.*							B50.4	260.0	
27	-	3.*							B50.5	285.5	
28	-	3.*							B50.6	332.1	
29	-	3.*							B50.7	327.3	
30	-	3.*							B50.8	327.3	
31	-	3.*							B50.9	325.1	
32	-	3.*							B51.1	311.1	
33	-	3.*							B51.2	266.0	
34	-	3.*							B51.3	283.5	
35	-	3.*							B51.4	307.9	
36	-	3.*							B51.5	309.6	
37	-	3.*							B51.6	332.7	
38	-	3.*							B51.7	326.8	

39	-	3.*	B51.8	320.7
40	-	3.*	B51.9	258.9
41	-	0.*	B9.1	300.3
42	-	0.*	B9.2	108.7
43	-	0.*	B9.3	127.6
44	-	0.*	B9.4	147.6
45	-	0.*	B9.5	92.2
46	-	0.*	B9.6	59.1
47	-	0.*	B9.7	141.6
48	-	0.*	B9.8	97.6
49	-	0.*	B9.9	55.6
50	-	0.*	B10.1	101.1
51	-	0.*	B10.2	57.3
52	-	0.*	B10.3	111.6
53	-	0.*	B21.1	23.0
54	-	0.*	B21.2	42.8
55	-	0.*	B11.1	154.4
56	-	0.*	B11.2	119.3
57	-	0.*	B11.3	63.6
58	-	0.*	B11.4	125.4
59	-	0.*	B11.5	112.8
60	-	0.*	B12.1	122.1
61	-	0.*	B12.2	18.1
62	-	0.*	B12.3	62.7
63	-	0.*	B12.4	180.7
64	-	0.*	B12.5	131.5
65	-	0.*	B12.6	93.3
66	-	0.*	B12.7	63.4
67	-	0.*	B12.8	56.3
68	-	0.*	B12.9	45.7
69	-	0.*	B13.1	30.9
70	-	0.*	B13.2	128.0
71	-	0.*	B13.3	131.4
72	-	0.*	B13.4	128.6
73	-	0.*	B13.5	131.6
74	-	0.*	B13.6	86.2
75	-	0.*	B13.7	42.0
76	-	0.*	B13.8	82.5
77	-	0.*	B13.9	75.2
78	-	3.*	B52.1	322.5
79	-	3.*	B52.2	369.0
80	-	3.*	B52.3	326.3
81	-	3.*	B52.4	333.5
82	-	3.*	B52.5	270.0
83	-	3.*	B52.6	319.9
84	-	3.*	B52.7	280.5
85	-	3.*	B52.8	335.1
86	-	3.*	B52.9	342.1

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87    -  0.*                        B23.1     252.7
88    -  0.*                        B23.2     174.5
89    -  0.*                        B23.3     113.9
90    -  0.*                        B23.4      36.7
91    -  0.*                        B23.5      81.2
92    -  0.*                        B23.6      36.3
93    -  0.*                        B23.7     311.8
94    -  0.*                        B23.8     160.9

95    - 13.*                         B45.1     197.6
96    - 20.*                         B45.2     183.7
-------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
 REC REC ID    DNL  PEOPLE   LEQ(CAL)
 ---------------------------------
  1  R8.13     67.    500.   67.5
  2  R8.14     67.    500.   64.4
  3  R8.15     67.    500.   65.6
  4  R8.16     67.    500.   66.5
  5  R8.17     67.    500.   65.4
  6  R8.18     67.    500.   70.3
  7  R8.19     67.    500.   70.2
  8  R8.20     67.    500.   71.1
  9  R8.21     67.    500.   68.5
 10  R8.22     67.    500.   69.9
 11  R8.23     67.    500.   75.1
 12  R8.24     67.    500.   75.2
 13  R8.25     67.    500.   74.1
 14  R8.26     67.    500.   73.2
 15  R8.27     67.    500.   71.8
 16  R8.28/ST  67.    500.   69.8
 17  R8.29     67.    500.   70.2
 18  R8.30     67.    500.   67.1
 BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
  0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 3. 3.
  3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0.
  0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
  0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0.13.20.
```

Segment 9
09 Birmingham to Santa Fe,Calibration
T-L26 SB Birmingham on ramp STA 645-651,1
0,45,0,45,0,45
T-L25 NB Birmingham off ramp STA 646-651,2
0,45,0,45,0,45
T-L4 SB Outer General Lane STA 651-654,3
0,65,0,65,0,65
T-L14SB Inner General Lane STA 651-654,4
3135,65,107,65,149,65
T-L54 SB HOV Lane STA 651-653,5
3135,65,107,65,149,65
T-L53 NB HOV Lane STA 651-653,6
2697,65,143,65,126,65
T-L13   NB Inner General Lane ,7
2697,65,143,65,126,65
T-L3 NB Outer General Lane ,8
0,65,0,65,0,65,
T-L27 NB Brimingham on ramp STA 651-656,9,
0,45,0,45,0,45,
T-L28 SB Brimingham off ramp STA 651-654,10,
0,45,0,45,0,45,
T-L29 NB Santa Fe off ramp STA 658-663,11,
0,25,0,25,0,25,
T-L6 SB Outer General Lane STA 654-663,12,
0,65,0,65,0,65,
T-L30 SB Santa Fe on ramp STA 657-663,13,
0,45,0,45,0,45,
T-L16 SB Inner General Lane STA 654-663,14,
3135,65,107,65,149,65,
T-L56 SB HOV Lane STA 654-663,15,
3135,65,107,65,149,65,
T-L55 NB HOV Lane STA 654-663,16,
2697,65,143,65,126,65
T-L15 NB Inner General Lane STA 654-663,17
2697,65,143,65,126,65
T-L5   NB Outer General Lane STA 654-663,18
0,65,0,65,0,65
T-L32 SB Santa Fe off ramp STA 663-667,19
0,45,0,45,0,45
T-L31 NB Santa Fe on ramp STA 663-668,20
0,45,0,45,0,45
L26 SB Birmingham on ramp STA 645-651,1
N,904385,595187,39.6,L26.1,
N,904358,595316,40.6,L26.2,
N,904340,595415,41.7,L26.3,
N,904328,595473,42.2,L26.4,
N,904313,595532,42.9,L26.5,
N,904301,595570,44.5,L26.6,
N,904278,595623,48.5,L26.7
N,904228,595711,55.8,L26.8
N,904189,595780,59.8,L26.9
L25 NB Birmingham off ramp STA 646-651,2,
N,904406,595402,41.8,L25.1
N,904399,595485,43.8,L25.2
N,904390,595565,45.1,L25.3

N,904383,595604,45.8,L25.4
N,904376,595644,47.3,L25.5
N,904353,595741,53,L25.6
N,904335,595818,56.3,L25.7
L4 SB Outer General Lane STA 651-654,3,
N,904351,595396,41.8,L4.7
N,904336,595494,43,L4.8
N,904314,595589,44.3,L4.9
N,904290,595668,45.3,L4.10
N,904255,595759,47.2,L4.11
N,904217,595833,49.8,L4.12
N,904170,595921,47.3,L4.13
N,904119,596012,53,L4.14
N,904071,596099,56.3,L4.15
L14 SB Inner General Lane STA 651-654,4,
N,904361,595398,41.8,L14.7
N,904345,595495,43,L14.8
N,904322,595592,44.3,L14.9
N,904298,595671,45.3,L14.10
N,904263,595763,47.2,L14.11
N,904227,595838,49.8,L14.12
N,904178,595925,52.8,L14.13
N,904127,596016,55.8,L14.14
N,904079,596104,58.3,L14.15
L54 SB HOV Lane STA 651-653,5,
N,904371,595400,42,L54.7
N,904354,595497,43.3,L54.8
N,904332,595595,44.5,L54.9
N,904308,595674,45.5,L54.10
N,904272,595767,47.5,L54.11
N,904234,595841,50,L54.12
N,904187,595929,53,L54.13
N,904137,596020,56,L54.14
N,904087,596108,58.5,L54.15
L53 NB HOV Lane STA 651-653,6,
N,904387,595399,42,L53.7
N,904371,595499,43.4,L53.8
N,904349,595599,44.8,L53.9
N,904325,595678,45.8,L53.10
N,904290,595768,47.5,L53.11
N,904252,595844,50,L53.12
N,904201,595937,53,L53.13
N,904152,596028,56,L53.14
N,904103,596117,58.5,L53.15
L13 NB Inner General Lane,7,
N,904397,595401,41.8,L13.7
N,904381,595501,43.7,L13.8
N,904358,595602,45,L13.9
N,904334,595681,46,L13.10
N,904298,595771,47.7,L13.11
N,904262,595848,50.2,L13.12
N,904210,595943,52.8,L13.13
N,904160,596033,55.8,L13.14
N,904110,596123,58.3,L13.15
L3 NB Outer General Lane,8,
N,904406,595402,41.8,L3.7

N,904390,595503,43.7,L3.8
N,904366,595604,45,L3.9
N,904342,595685,46,L3.10
N,904308,595775,47.7,L3.11
N,904269,595852,50.2,L3.12
N,904217,595948,52.8,L3.13
N,904168,596038,55.8,L3.14
N,904118,596127,58.3,L3.15
L27 NB Birmingham on ramp STA 651-656,9,
N,904325,595829,56.5,L27.1
N,904305,595852,56.7,L27.2
N,904269,595899,55.0,L27.3
N,904235,595948,53.2,L27.4
N,904168,596038,55.8,L3.14
L28 SB Birmingham off ramp STA 651-654,10,
N,904181,595796,59.9,L28.1
N,904162,595867,57.2,L28.2
N,904144,595921,54.8,L28.3
N,904128,595957,53.6,L28.4
N,904112,595994,55.1,L28.5
N,904088,596049,56.7,L28.6
N,904067,596096,57.9,L28.7
N,904034,596165,59.8,L28.8
L29 NB Santa Fe off ramp STA 658-663,11,
N,903918,596490,64,L29.1
N,903876,596572,64.4,L29.2
N,903851,596626,63.9,L29.3
N,903826,596681,63.6,L29.4
N,903807,596726,62.9,L29.5
N,903787,596772,61.6,L29.6
N,903769,596829,59.3,L29.7
N,903762,596868,58.3,L29.8
N,903758,596897,58.1,L29.9
L6 SB Outer General Lane STA 654-663,12,
N,904071,596099,58.3,L6.1
N,904034,596165,59.8,L6.2
N,903978,596268,61.8,L6.3
N,903920,596374,63.3,L6.4
N,903871,596461,64,L6.5
N,903822,596552,64.4,L6.6
N,903772,596642,64.2,L6.7
N,903734,596712,63.8,L6.8
N,903676,596815,62.8,L6.9
N,903624,596906,61.3,L6.10
N,903569,597007,59.3,L6.11
N,903522,597091,57.3,L6.12
N,903473,597179,55.3,L6.13
N,903424,597270,53.3,L6.14
N,903378,597352,51.3,L6.15
L30 SB Santa Fe on ramp STA 657-663,13,
N,903920,596374,63.3,L30.1
N,903876,596445,63.8,L30.2
N,903841,596506,63.9,L30.3
N,903801,596575,63.4,L30.4
N,903770,596626,63.8,L30.5
N,903748,596659,63.5,L30.6

N,903726,596693,62.8,L30.7
N,903703,596726,61.3,L30.8
N,903670,596776,58.3,L30.9
N,903635,596824,55.5,L30.10
N,903610,596855,54.2,L30.11
N,903569,596899,53.5,L30.12
L16 SB Inner General Lane STA 654-663,14,
N,904079,596104,58.3,L16.1
N,904042,596168,59.8,L16.2
N,903986,596272,61.8,L16.3
N,903927,596379,63.3,L16.4
N,903880,596466,64,L16.5
N,903830,596556,64.4,L16.6
N,903779,596646,64.2,L16.7
N,903742,596716,63.8,L16.8
N,903684,596820,62.8,L16.9
N,903632,596911,61.3,L16.10
N,903576,597012,59.3,L16.11
N,903531,597096,57.3,L16.12
N,903481,597185,55.3,L16.13
N,903431,597273,53.3,L16.14
N,903386,597358,51.3,L16.15
L56 SB HOV Lane STA 654-663,15,
N,904087,596108,58.5,L56.1
N,904052,596173,60,L56.2
N,903996,596276,62,L56.3
N,903936,596384,63.5,L56.4
N,903888,596471,64.2,L56.5
N,903838,596560,64.6,L56.6
N,903789,596651,64.4,L56.7
N,903749,596721,64,L56.8
N,903693,596825,63,L56.9
N,903641,596917,61.5,L56.10
N,903584,597017,59.5,L56.11
N,903538,597101,57.5,L56.12
N,903489,597191,55.5,L56.13
N,903440,597278,53.5,L56.14
N,903394,597363,51.5,L56.15
L55 NB HOV Lane STA 654-663,16,
N,904103,596117,58.5,L55.1
N,904067,596182,60,L55.2
N,904009,596284,62,L55.3
N,903949,596395,63.5,L55.4
N,903903,596478,64.2,L55.5
N,903852,596570,64.6,L55.6
N,903803,596659,64.4,L55.7
N,903764,596731,64,L55.8
N,903707,596835,63,L55.9
N,903655,596925,61.5,L55.10
N,903599,597024,59.5,L55.11
N,903553,597110,57.5,L55.12
N,903504,597198,55.5,L55.13
N,903456,597285,53.5,L55.14
N,903407,597372,51.5,L55.15
L15 NB Inner General Lane STA 654-663,17,
N,904110,596123,58.3,L15.1

N,904075,596187,59.8,L15.2
N,904018,596290,61.8,L15.3
N,903958,596400,63.3,L15.4
N,903910,596484,64,L15.5
N,903860,596575,64.4,L15.6
N,903811,596664,64.2,L15.7
N,903773,596736,63.7,L15.8
N,903715,596839,62.8,L15.9
N,903664,596931,61.3,L15.10
N,903609,597030,59.3,L15.11
N,903563,597113,57.3,L15.12
N,903513,597203,55.3,L15.13
N,903465,597290,53.3,L15.14
N,903417,597376,51.3,L15.15
L5 NB Outer General Lane STA 654-663,18,
N,904118,596127,58.3,L5.1
N,904082,596193,59.8,L5.2
N,904026,596295,61.8,L5.3
N,903965,596405,63.3,L5.4
N,903918,596490,64,L5.5
N,903868,596580,64.4,L5.6
N,903819,596670,64.2,L5.7
N,903780,596741,63.7,L5.8
N,903723,596844,62.8,L5.9
N,903671,596936,61.3,L5.10
N,903616,597034,59.3,L5.11
N,903570,597118,57.3,L5.12
N,903520,597208,55.3,L5.13
N,903473,597294,53.3,L5.14
N,903425,597381,51.3,L5.15
L32 SB Santa Fe off ramp STA 663-667,19,
N,903559,596922,53.5,L32.1
N,903551,596963,53.7,L32.2
N,903539,597002,54.3,L32.3
N,903517,597058,55.2,L32.4
N,903500,597095,55.6,L32.5
N,903487,597125,55.6,L32.6
N,903467,597168,55,L32.7
N,903451,597205,54.3,L32.8
N,903424,597270,53.3,L32.9
L31 NB Santa Fe on ramp STA 663-668,20,
N,903715,596918,56.7,L31.1
N,903690,596950,54.9,L31.2
N,903666,596981,54.3,L31.3
N,903646,597015,54.6,L31.4
N,903606,597085,56.1,L31.5
N,903585,597119,56.6,L31.6
N,903564,597153,56.1,L31.7
N,903521,597221,54.7,L31.8
N,903481,597290,53.2,L31.9
N,903425,597381,51.3,L31.10
B23 NB Birmingham off/on ramps ,1,2,0,0
904351,595693,50,50,B23.1
904339,595769,54,54,B23.2
904328,595821,56.3,56.3,B23.3
904294,595814,56.3,56.3,B23.4

904289,595824,56.3,56.3,B23.5
904313,595830,56.4,56.4,B23.6
904312,595841,56.8,56.8,B23.7
904250,595913,54.5,54.5,B23.8
904219,595951,53.6,53.6,B23.9
B4 NB ROW STA 651-657,2,2,0,0
904300,595869,56,56,B4.1
904273,595902,55,55,B4.2
904246,595942,53.5,53.5,B4.3
904216,595994,53.3,53.3,B4.4
904183,596058,54,54,B4.5
904160,596100,58,58,B4.6
904122,596178,64,64,B4.7
904109,596205,66,66,B4.7A
904099,596229,67.5,67.5,B4.8B
904088,596249,68.5,68.5,B4.8
B4 NB ROW STA 651-657,3,2,0,0
904088,596249,68.5,68.5,B4.8
904045,596322,70.3,70.3,B4.9
904004,596380,67.5,67.5,B4.10
B10 Nursery,4,2,0,0
904020,596464,66.5,71.5,B10.1
903961,596463,63.8,68.8,B10.2
903961,596506,62,67,B10.3
904027,596507,65.5,70.5,B10.4
B5 NB ROW STA 657-658,5,2,0,0
904004,596380,67.5,67.5,B5.1
903959,596445,64,64,B5.2
903939,596483,63.3,63.3,B5.3
B7 NB Santa Fe off ramp,6,2,0,0
903936,596471,63.6,63.6,B7.1
903891,596554,64.3,64.3,B7.2
903871,596592,64.3,64.3,B7.3
903831,596683,63.6,63.6,B7.4
903811,596729,62.9,62.9,B7.5
903807,596756,60,60,B7.6
903795,596791,60.3,60.3,B7.7
903771,596893,60,60,B7.8
903818,596919,62,62,B7.9
B9 Country Inn,7,2,0,0
904347,595924,58,68.1,B9.1
904311,595942,56.5,66.6,B9.2
904295,595951,56.5,66.6,B9.3
904298,595963,57.6,67.7,B9.4
904350,595963,60.2,70.3,B9.5
B52 Center Divider ,8,2,0,0
904379,595400,42,43,B52.3
904362,595498,43.3,44.3,B52.4
904339,595597,44.6,45.6,B52.5
904316,595676,45.6,46.6,B52.6
904281,595767,47.5,48.5,B52.7
904244,595844,50,51,B52.8
904194,595933,53,54,B52.9
904145,596025,56,57,B52.10
B53 Center Divider,9,2,0,0
904145,596025,56,57,B53.1

904094,596113,58.5,59.5,B53.2
904059,596178,60.6,61.6,B53.3
904002,596281,62,63,B53.4
903942,596391,63.5,64.5,B53.5
903895,596476,64.2,65.2,B53.6
903845,596566,64.6,65.6,B53.7
903796,596656,64.4,65.4,B53.8
903756,596728,64,65,B53.9
903698,596831,63,64,B53.10
B54 Center Divider,10,2,0,0
903698,596831,63,64,B54.1
903647,596922,61.5,62.5,B54.2
903591,597022,59.5,60.5,B54.3
903544,597107,57.5,58.5,B54.4
903497,597195,55.5,56.5,B54.5
B8 NB SHLD STA 660-665,11,2,0,0
903808,596705,63.8,63.8,B8.1
903786,596746,63.5,63.5,B8.2
903729,596848,62.2,62.2,B8.3
903710,596884,62,62,B8.4
903677,596940,60.8,60.8,B8.5
903648,596994,59.5,59.5,B8.6
903622,597039,59.1,59.1,B8.7
903589,597100,57.3,57.3,B8.8
B6 NB Natural Berm STA 653-656,12,1,0,0
904187,596036,54,54,B6.1A
904177,596050,54,54,B6.1B
904167,596065,58,58,B6.1C
904153,596085,60,60,B6.1D
904138,596119,63.5,63.5,B6.2
904118,596159,66,66,B6.3
904096,596208,70,70,B6.4
904078,596245,72,72,B6.5
904071,596262,72,72,B6.6
904049,596302,71.4,71.4,B6.7
R,11,67,4
904342,595918,59.8,R9.10
R,12,67,4
904276,595984,60.6,R9.11
R,13,67,4
904228,596047,57.8,R9.12
R,14,67,4
904203,596076,56.7,R9.13/ST9.1
R,15,67,4
904135,596206,67.8,R9.14
R,16,67,4
904090,596295,71.6,R9.15
R,17,67,4
904061,596384,71.7,R9.16
R,18,67,4
903997,596400,68.5,R9.17
R,19,67,4
903954,596512,62.2,R9.18
R,20,67,4
903904,596552,61.2,R9.19
R,21,67,4

903858,596662,59.3,R9.20
R,22,67,4
903804,596791,61.7,R9.21/ST9.3
R,23,67,4
903780,596883,62.5,R9.22
D,4.5
ALL,ALL
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
09 BIRMINGHAM TO SANTA FE,CALIBRATION

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	- 0.*								B23.1	252.7	
2	- 0.*								B23.2	174.5	
3	- 0.*								B23.3	113.9	
4	- 0.*								B23.4	36.7	
5	- 0.*								B23.5	81.2	
6	- 0.*								B23.6	36.3	
7	- 0.*								B23.7	311.8	
8	- 0.*								B23.8	160.9	
9	- 0.*								B4.1	140.0	
10	- 0.*								B4.2	158.3	
11	- 0.*								B4.3	197.0	
12	- 0.*								B4.4	236.2	
13	- 0.*								B4.5	157.7	
14	- 0.*								B4.6	285.3	
15	- 0.*								B4.7	98.4	
16	- 0.*								B4.7A	85.5	
17	- 0.*								B4.8B	74.9	
18	- 0.*								B4.8	278.0	
19	- 0.*								B4.9	233.2	
20	- 16.*								B10.1	193.8	
21	- 16.*								B10.2	141.2	
22	- 16.*								B10.3	216.8	
23	- 0.*								B5.1	259.6	
24	- 0.*								B5.2	140.9	
25	- 0.*								B7.1	309.7	
26	- 0.*								B7.2	140.9	
27	- 0.*								B7.3	326.2	
28	- 0.*								B7.4	164.6	
29	- 0.*								B7.5	90.1	
30	- 0.*								B7.6	121.4	
31	- 0.*								B7.7	343.8	
32	- 0.*								B7.8	176.3	
33	- 33.*								B9.1	132.2	
34	- 33.*								B9.2	60.2	
35	- 33.*								B9.3	40.8	
36	- 33.*								B9.4	170.8	

37 - 3.* B52.3 326.3
38 - 3.* B52.4 333.5
39 - 3.* B52.5 270.0
40 - 3.* B52.6 319.9
41 - 3.* B52.7 280.5
42 - 3.* B52.8 335.1
43 - 3.* B52.9 342.1

44 - 3.* B53.1 333.8
45 - 3.* B53.2 242.4
46 - 3.* B53.3 386.2
47 - 3.* B53.4 411.1
48 - 3.* B53.5 318.7
49 - 3.* B53.6 337.7
50 - 3.* B53.7 336.2
51 - 3.* B53.8 270.2
52 - 3.* B53.9 387.9

53 - 3.* B54.1 342.3
54 - 3.* B54.2 376.1
55 - 3.* B54.3 318.8
56 - 3.* B54.4 327.4

57 - 0.* B8.1 152.6
58 - 0.* B8.2 383.3
59 - 0.* B8.3 133.6
60 - 0.* B8.4 213.3
61 - 0.* B8.5 201.1
62 - 0.* B8.6 170.6
63 - 0.* B8.7 227.6

64 - 0.* B6.1A 56.4
65 - 0.* B6.1B 60.6
66 - 0.* B6.1C 80.4
67 - 0.* B6.1D 122.5
68 - 0.* B6.2 146.9
69 - 0.* B6.3 176.8
70 - 0.* B6.4 135.1
71 - 0.* B6.5 60.4
72 - 0.* B6.6 149.8

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0 1 2 3 4 5 6 7

1

REC REC ID DNL PEOPLE LEQ(CAL)

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1 R9.10 67. 500. 67.8
2 R9.11 67. 500. 71.0
3 R9.12 67. 500. 71.5
4 R9.13/ST 67. 500. 70.9
5 R9.14 67. 500. 65.0
6 R9.15 67. 500. 66.7
7 R9.16 67. 500. 69.1
8 R9.17 67. 500. 75.8
9 R9.18 67. 500. 72.1
10 R9.19 67. 500. 70.6
11 R9.20 67. 500. 68.3

12 R9.21/ST 67. 500. 72.3
13 R9.22 67. 500. 70.8
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.16.16.16. 0. 0. 0.
0. 0. 0. 0. 0. 0. 0.33.33.33.33. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.

Segment 10
10 Santa Fe 2 Encinitas Calibration,0,Ft,
T-L29 - NB Santa Fe Off-Ramp,1
0,45,0,45,0,45
T-L6 - SB General Lanes - Outer,2
0,65,0,65,0,65
T -L30 - SB Santa Fe On-Ramp,3
0,45,0,45,0,45
T -L16 - SB General Lanes - Inner,4
3110,65,137,65,159,65
T -L56 - SB HOV Lanes,5
3109,65,136,65,159,65
T -L55 - NB HOV Lanes,6
3448,58,130,58,165,58
T -L15 - NB General Lanes - Inner,7
3449,58,131,58,165,58
T -L5 - NB General Lanes - Outer,8
0,58,0,58,0,58
T -L32 - SB Santa Fe Off-Ramp,9
0,45,0,45,0,45
T -L31 - NB Santa Fe On-Ramp,10
0,45,0,45,0,45
T -L8 - SB General Lanes - Outer,11
0,65,0,65,0,65
T -L18 - SB General Lanes - Inner,12
3110,65,137,65,159,65
T -L58 - SB HOV Lanes,13
3109,65,136,65,159,65
T -L57- NB HOV Lanes,14
3448,58,130,58,165,58
T -L17 - NB General Lanes - Inner,15
3449,58,131,58,165,58
T -L7 - NB General Lanes - Outer,16
0,58,0,58,0,58
T -L33 - NB Encinitas Off-Ramp,17
0,45,0,45,0,45
T -L34 - SB Encinitas On-Ramp,18
0,45,0,45,0,45
T -L35 - NB Encinitas On-Ramp,19
0,45,0,45,0,45
T -L36 - SB Encinitas Off-Ramp,20
0,45,0,45,0,45
T -L2 - SB General Lanes - Outer,21
0,65,0,65,0,65
T -L12 - SB General Lanes - Inner,22
3110,65,137,65,159,65
T -L52 - SB HOV Lanes,23
3109,65,136,65,159,65
T -L51 - NB HOV Lanes,24
3448,58,130,58,165,58
T -L11 - NB General Lanes - Inner,25
3449,58,131,58,165,58
T -L1 - NB General Lanes - Outer,26
0,58,0,58,0,58
L29 - NB Santa Fe Off-Ramp,1
N,903918,596490,64,L29.1,

N,903876,596572,64.4,L29.2,
N,903851,596626,63.9,L29.3,
N,903826,596681,63.6,L29.4,
N,903807,596726,62.9,L29.5,
N,903787,596772,61.6,L29.6,
N,903769,596829,59.3,L29.7,
N,903762,596868,58.3,L29.8,
N,903758,596897,58.1,L29.9,
L6 - SB General Lanes - Outer,2
N,903871,596461,64,L6.5
N,903822,596552,64.4,L6.6
N,903772,596642,64.2,L6.7
N,903734,596712,63.8,L6.8
N,903676,596815,62.8,L6.9
N,903624,596906,61.3,L6.10
N,903569,597007,59.3,L6.11
N,903522,597091,57.3,L6.12
N,903473,597179,55.3,L6.13
N,903424,597270,53.3,L6.14
N,903378,597352,51.3,L6.15
L30 - SB Santa Fe On-Ramp,3,
N,903920,596374,63.3,L30.1
N,903876,596445,63.8,L30.2
N,903841,596506,63.9,L30.3
N,903801,596575,63.4,L30.4
N,903770,596626,63.8,L30.5
N,903748,596659,63.5,L30.6
N,903726,596693,62.8,L30.7
N,903703,596726,61.3,L30.8
N,903670,596776,58.3,L30.9
N,903635,596824,55.5,L30.10
N,903610,596855,54.2,L30.11
N,903569,596899,53.5,L30.12
L16 - SB General Lanes - Inner,4,
N,903880,596466,64,L16.5
N,903830,596556,64.4,L16.6
N,903779,596646,64.2,L16.7
N,903742,596716,63.8,L16.8
N,903684,596820,62.8,L16.9
N,903632,596911,61.3,L16.10
N,903576,597012,59.3,L16.11
N,903531,597096,57.3,L16.12
N,903481,597185,55.3,L16.13
N,903431,597273,53.3,L16.14
N,903386,597358,51.3,L16.15
L56 - SB HOV Lanes,5,
N,903888,596471,64.2,L56.5
N,903838,596560,64.6,L56.6
N,903789,596651,64.4,L56.7
N,903749,596721,64,L56.8
N,903693,596825,63,L56.9
N,903641,596917,61.5,L56.10
N,903584,597017,59.5,L56.11
N,903538,597101,57.5,L56.12
N,903489,597191,55.5,L56.13
N,903440,597278,53.5,L56.14

N,903394,597363,51.5,L56.15
L55 - NB HOV Lanes,6,
N,903903,596478,64.2,L55.5
N,903852,596570,64.6,L55.6
N,903803,596659,64.4,L55.7
N,903764,596731,64,L55.8
N,903707,596835,63,L55.9
N,903655,596925,61.5,L55.10
N,903599,597024,59.5,L55.11
N,903553,597110,57.5,L55.12
N,903504,597198,55.5,L55.13
N,903456,597285,53.5,L55.14
N,903407,597372,51.5,L55.15
L15 - NB General Lanes - Inner,7,
N,903910,596484,64,L15.5
N,903860,596575,64.4,L15.6
N,903811,596664,64.2,L15.7
N,903773,596736,63.7,L15.8
N,903715,596839,62.8,L15.9
N,903664,596931,61.3,L15.10
N,903609,597030,59.3,L15.11
N,903563,597113,57.3,L15.12
N,903513,597203,55.3,L15.13
N,903465,597290,53.3,L15.14
N,903417,597376,51.3,L15.15
L5 - NB General Lanes - Outer,8,
N,904118,596127,58.3,L5.1
N,904082,596193,59.8,L5.2
N,904026,596295,61.8,L5.3
N,903965,596405,63.3,L5.4
N,903918,596490,64,L5.5
N,903868,596580,64.4,L5.6
N,903819,596670,64.2,L5.7
N,903780,596741,63.7,L5.8
N,903723,596844,62.8,L5.9
N,903671,596936,61.3,L5.10
N,903616,597034,59.3,L5.11
N,903570,597118,57.3,L5.12
N,903520,597208,55.3,L5.13
N,903473,597294,53.3,L5.14
N,903425,597381,51.3,L5.15
L32 - SB Santa Fe Off-Ramp,9,
N,903559,596922,53.5,L32.1
N,903551,596963,53.7,L32.2
N,903539,597002,54.5,L32.3
N,903517,597058,55.2,L32.4
N,903500,597095,55.6,L32.5
N,903487,597125,55.6,L32.6
N,903467,597168,55,L32.7
N,903451,597205,54.3,L32.8
N,903424,597270,53.3,L32.9
L31 - NB Santa Fe On-Ramp,10,
N,903715,596918,56.7,L31.1
N,903690,596950,54.9,L31.2
N,903666,596981,54.3,L31.3
N,903646,597015,54.6,L31.4

N,903606,597085,56.1,L31.5
N,903585,597119,56.6,L31.6
N,903564,597153,56.1,L31.7
N,903521,597221,54.7,L31.8
N,903481,597290,53.2,L31.9
N,903425,597381,51.3,L31.10
L8 - SB General Lanes - Outer,11,
N,903378,597352,51.3,L8.1
N,903325,597452,49.7,L8.2
N,903284,597548,47.7,L8.3
N,903259,597619,46.3,L8.4
N,903231,597720,44.2,L8.5
N,903212,597802,41.9,L8.6
N,903188,597899,39.8,L8.7
N,903164,598000,37.5,L8.8
N,903140,598101,35.8,L8.9
N,903115,598196,35,L8.10
N,903093,598288,34.6,L8.11
N,903071,598385,34.6,L8.12
L18 - SB General Lanes - Inner,12,
N,903386,597358,51.3,L18.1
N,903333,597456,49.7,L18.2
N,903292,597551,47.7,L18.3
N,903267,597621,46.3,L18.4
N,903240,597722,44.2,L18.5
N,903220,597804,41.9,L18.6
N,903197,597901,39.8,L18.7
N,903172,598002,37.5,L18.8
N,903148,598104,35.8,L18.9
N,903125,598198,35,L18.10
N,903103,598290,34.6,L18.11
N,903079,598388,34.6,L18.12
L58 - SB HOV Lanes,13,
N,903394,597363,51.5,L58.1
N,903344,597459,49.5,L58.2
N,903302,597553,47.5,L58.3
N,903277,597623,46,L58.4
N,903250,597723,43.8,L58.5
N,903230,597807,42,L58.6
N,903206,597902,40,L58.7
N,903181,598006,38,L58.8
N,903157,598106,36,L58.9
N,903134,598200,35,L58.10
N,903112,598294,34.8,L58.11
N,903089,598391,34.7,L58.12
L57- NB HOV Lanes,14,
N,903407,597372,51.5,L57.1
N,903361,597459,49.5,L57.2
N,903320,597551,47.5,L57.3
N,903294,597623,46,L57.4
N,903267,597723,43.8,L57.5
N,903244,597819,42,L57.6
N,903220,597913,40,L57.7
N,903197,598013,38,L57.8
N,903173,598110,36,L57.9
N,903151,598204,35,L57.10

N,903129,598299,34.8,L57.11
N,903105,598395,34.7,L57.12
L17 - NB General Lanes - Inner,15,
N,903417,597376,51.3,L17.1
N,903371,597463,49.2,L17.2
N,903330,597554,47.2,L17.3
N,903305,597625,45.7,L17.4
N,903278,597724,43.7,L17.5
N,903254,597820,41.8,L17.6
N,903231,597916,39.8,L17.7
N,903207,598015,37.8,L17.8
N,903184,598111,35.8,L17.9
N,903161,598206,34.8,L17.10
N,903138,598301,34.6,L17.11
N,903114,598397,34.6,L17.12
L7 - NB General Lanes - Outer,16,
N,903425,597381,51.3,L7.1
N,903379,597466,49.2,L7.2
N,903338,597557,47.2,L7.3
N,903313,597628,45.7,L7.4
N,903285,597724,43.7,L7.5
N,903263,597823,41.8,L7.6
N,903239,597918,39.8,L7.7
N,903216,598017,37.8,L7.8
N,903192,598113,35.8,L7.9
N,903169,598208,34.8,L7.10
N,903146,598304,34.6,L7.11
N,903123,598401,34.6,L7.12
L33 - NB Encinitas Off-Ramp,17,
N,903263,597823,41.8,L33.1
N,903244,597913,39.6,L33.2
N,903230,598013,37.4,L33.3
N,903219,598093,35.2,L33.4
N,903218,598172,32.3,L33.5
N,903219,598246,31,L33.6
L34 - SB Encinitas On-Ramp,18,
N,903212,597802,41.9,L34.1
N,903183,597899,39.6,L34.2
N,903157,597996,37.5,L34.3
N,903126,598090,35.3,L34.4
N,903104,598146,32.3,L34.5
N,903074,598197,28.7,L34.6
N,903031,598265,25.7,L34.7
L35 - NB Encinitas On-Ramp,19,
N,903219,598270,31.2,L35.1
N,903179,598335,31.9,L35.2
N,903142,598404,33.3,L35.3
N,903110,598499,33.9,L35.4
N,903087,598576,34.4,L35.5
N,903067,598652,35.3,L35.6
N,903033,598771,36.9,L35.7
L36 - SB Encinitas Off-Ramp,20,
N,903033,598289,26,L36.1
N,903033,598341,25.7,L36.2
N,903032,598381,27.1,L36.3
N,903029,598440,30.2,L36.4

N,903025,598479,31.5,L36.5
N,903015,598558,34.3,L36.6
N,903003,598638,35.3,L36.7
N,902996,598676,36,L36.8
N,902980,598753,36.8,L36.9
L2 - SB General Lanes - Outer,21,
N,903070,598385,34.6,L2.1
N,903048,598474,34.3,L2.2
N,903031,598544,34.7,L2.3
N,903007,598641,35.6,L2.4
N,902980,598753,36.8,L2.5
L12 - SB General Lanes - Inner,22,
N,903079,598388,34.6,L12.1
N,903056,598475,34.3,L12.2
N,903040,598546,34.7,L12.3
N,903016,598644,35.6,L12.4
N,902990,598756,36.8,L12.5
L52 - SB HOV Lanes,23,
N,903089,598391,34.7,L52.1
N,903067,598479,34.4,L52.2
N,903050,598548,34.7,L52.3
N,903025,598646,35.7,L52.4
N,902998,598759,37,L52.5
L51 - NB HOV Lanes,24,
N,903105,598396,34.7,L51.1
N,903083,598484,34.4,L51.2
N,903066,598553,34.7,L51.3
N,903041,598651,35.7,L51.4
N,903014,598766,37,L51.5
L11 - NB General Lanes - Inner,25,
N,903113,598398,34.6,L11.1
N,903092,598486,34.3,L11.2
N,903075,598555,34.7,L11.3
N,903052,598653,35.6,L11.4
N,903023,598768,36.9,L11.5
L1 - NB General Lanes - Outer,26,
N,903122,598401,34.6,L1.1
N,903102,598489,34.3,L1.2
N,903084,598558,34.7,L1.3
N,903059,598656,35.6,L1.4
N,903033,598771,36.9,L1.5
B8 - NB Shoulder ST 660 to 665,1,2,0,0
903808,596705,63.8,63.8,B8.1
903786,596746,63.5,63.5,B8.2
903729,596848,62.5,62.5,B8.3
903710,596884,62,62,B8.4
903677,596940,60.5,60.5,B8.5
903648,596994,59.5,59.5,B8.6
903622,597039,59.2,59.2,B8.7
903589,597100,57.3,57.3,B8.8
B54 - Center Divider,2,2,0,0
903698,596831,63,64,B54.1
903647,596922,61.5,62.5,B54.2
903592,597022,59.5,60.5,B54.3
903545,597107,57.5,58.5,B54.4
903496,597195,55.5,56.5,B54.5

903448,597283,53.5,54.5,B54.6
903401,597368,51.5,52.5,B54.7
903352,597459,49.5,50.5,B54.8
903311,597553,47.5,48.5,B54.9
903286,597624,46,47,B54.10
B5 - NB ROW ST 663 to 667,3,2,0,0
903699,596954,56,56,B5.1
903667,597000,56.5,56.5,B5.2
903648,597033,58.1,58.1,B5.3
903636,597050,58,58,B5.4
903633,597074,58,58,B5.5
903600,597126,57.7,57.7,B5.6
903574,597169,57,57,B5.7
903542,597221,56,56,B5.8
903524,597252,54.5,54.5,B5.9
903503,597293,52,52,B5.10
B11 - Building NB Side ST 666,4,2,0,0
903561,597205,56,61,B11.1
903581,597220,56,61,B11.1A
903581,597220,56,63.8,B11.1A
903629,597251,56.2,63.8,B11.2
B12 - Building NB Side ST 667,5,2,0,0
903566,597348,54.3,61.9,B12.1
903515,597326,54.5,62.1,B12.2
903473,597380,54,61.6,B12.3
903515,597406,54.3,61.9,B12.4
B13 - Building/Nat Bar NB Side ST 669,6,2,0,0
903502,597515,54,59,B13.1
903457,597509,55,60,B13.2
903457,597509,55,55,B13.2
903448,597513,50,50,B13.3
B2 - Building SB Side ST 668,7,2,0,0
903368,597309,49.3,56.9,B2.1
903291,597309,49.3,56.9,B2.2
903277,597262,49.3,56.9,B2.3
B1 - SB Shoulder to ROW ST 667 to 672,8,2,0,0
903447,597204,54.3,54.3,B1.1
903416,597267,53.3,53.3,B1.2
903401,597295,52.6,52.6,B1.3
903371,597349,51.3,51.3,B1.4
903319,597449,49.7,49.7,B1.5
903276,597547,47.7,47.7,B1.6
903249,597610,51,51,B1.7
903242,597643,51.3,51.3,B1.8
903226,597675,52.6,52.6,B1.9
903215,597719,53.4,53.4,B1.10
B6 - NB ROW to Shoulder ST 667 to 673,9,2,0,0
903503,597293,52,52,B6.1
903474,597346,52,52,B6.2
903480,597300,53.3,53.3,B6.3
903422,597401,51.3,51.3,B6.4
903385,597470,49.2,49.2,B6.5
903345,597561,47.2,47.2,B6.6
903320,597630,45.7,45.7,B6.7
903296,597717,45.7,45.7,B6.8
903293,597729,43.7,43.7,B6.9

903269,597824,41.8,41.8,B6.10
B9 - Nat Bar NB Side along Requeza ST 672,10,2,0,0
903360,597716,46,46,B9.1
903301,597717,49.5,49.5,B9.2
903296,597717,49.7,49.7,B9.3
B3 - SB ROW ST 672 to 676,11,2,0,0
903215,597719,53.4,53.4,B3.1
903211,597732,53.4,53.4,B3.2
903188,597796,52,52,B3.4
903172,597846,51.7,51.7,B3.5
903160,597871,53,53,B30.3/3.5A
903160,597871,53,54.8,B3.5A
903145,597919,53,54.8,B3.6
903145,597919,53,53,B3.6
903139,597970,52,52,B3.7
B3 - SB ROW ST 672 to 676,12,2,0,0
903139,597970,52,52,B3.7
903119,598027,52,52,B3.8
903064,598103,54.3,54.3,B3.9
903047,598162,43,43,B3.10
B4 - Nat Bar SB Side ST 677,13,2,0,0
903054,598132,50,50,B4.1
903041,598150,50,50,B4.2
903000,598155,50,50,B4.3
B10 - Building NB Side ST 675,14,2,0,0
903286,597996,34.7,38.4,B10.1
903293,597998,34.7,38.4,B10.2
903289,598026,34.5,38.2,B10.3
903298,598050,34.2,37.9,B10.4
903315,598092,34.2,37.9,B10.5
B7 - NB Shoulder ST 673 to 676,15,2,0,0
903269,597824,41.8,41.8,B7.1
903248,597916,39.6,39.6,B7.2
903234,598013,37.5,37.5,B7.3
903225,598094,35.2,35.2,B7.4
B55 - Center Divider,16,2,0,0
903286,597624,46,47,B55.1
903259,597724,44,45,B55.2
903237,597813,42,43,B55.3
903214,597908,40,41,B55.4
903189,598011,38,39,B55.5
903165,598108,36,37,B55.6
903142,598204,35,36,B55.7
903120,598295,34.8,35.8,B55.8
903097,598394,34.7,35.7,B55.9
B14 - 5Ft Property Wall St 672 to 674,17,2,0,0
903298,597737,48,49.5,B14.1
903289,597777,44,45.5,B14.2
903286,597802,42,43.5,B14.3
903282,597838,44,45.5,B14.4
903273,597888,44,45.5,B14.5
903266,597931,44,45.5,B14.6
B30 - House at R10.6,18,2,0,0
903152,597848,53,57.9,B30.1
903152,597871,53,57.9,B30.2
903160,597871,53,57.9,B30.3

R,1,67,4,
903219,597360,54.2,R10.1
R,2,67,4
903200,597451,57.2,R10.2
R,3,67,4
903228,597540,60.7,R10.3
R,4,67,4
903223,597619,56.7,R10.3A
R,5,67,4
903215,597649,56.8,R10.4
R,6,67,4
903179,597780,54.2,R10.5
R,7,67,4
903145,597869,54.8,R10.6/ST10.4
R,8,67,4
903095,598048,54.5,R10.7
R,9,67,4
903052,598125,52.8,R10.8
R,10,67,4
903011,598149,51.5,R10.9
R,11,67,4
903753,597018,59.8,R10.10
R,12,67,4
903648,597060,59.7,R10.11
R,13,67,4
903649,597196,58,R10.12
R,14,67,4
903551,597255,57.3,R10.13/ST 10.2
R,15,67,4
903485,597395,55.7,R10.14
R,16,67,4
903455,597524,51.2,R10.15
R,17,67,4
903469,597625,52,R10.16
R,18,67,4
903425,597648,49.8,R10.17
R,19,67,4
903383,597744,45.5,R10.18
R,20,67,4
903382,597821,45.5,R10.19
R,21,67,4
903383,597905,45.5,R10.19A
R,22,67,4
903351,597950,43,R10.20
D,4.5
ALL,6
ALL,7
ALL,8
ALL,9
ALL,10
ALL,11
ALL,13
ALL,15
ALL,17
ALL,18
ALL,19 ALL,20 ALL,21 ALL,22 c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
10 SANTA FE 2 ENCINITAS CALIBRATION,0,FT,

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	- 0.*								B8.1	152.6	
2	- 0.*								B8.2	383.3	
3	- 0.*								B8.3	133.6	
4	- 0.*								B8.4	213.3	
5	- 0.*								B8.5	201.1	
6	- 0.*								B8.6	170.6	
7	- 0.*								B8.7	227.6	
8	- 3.*								B54.1	342.3	
9	- 3.*								B54.2	374.5	
10	- 3.*								B54.3	318.8	
11	- 3.*								B54.4	330.5	
12	- 3.*								B54.5	328.9	
13	- 3.*								B54.6	318.8	
14	- 3.*								B54.7	339.1	
15	- 3.*								B54.8	336.5	
16	- 3.*								B54.9	247.1	
17	- 0.*								B5.1	183.8	
18	- 0.*								B5.2	125.0	
19	- 0.*								B5.3	68.3	
20	- 0.*								B5.4	79.3	
21	- 0.*								B5.5	202.1	
22	- 0.*								B5.6	164.9	
23	- 0.*								B5.7	200.4	
24	- 0.*								B5.8	117.7	
25	- 0.*								B5.9	151.3	
26	- 16.*								B11.1	82.0	
27	- 21.*								B11.1A	9.2	
28	- 25.*								B11.1A	187.5	
29	- 25.*								B12.1	182.2	
30	- 25.*								B12.2	224.4	
31	- 25.*								B12.3	162.1	
32	- 16.*								B13.1	148.9	
33	- 8.*								B13.2	16.5	
34	- 0.*								B13.2	36.3	
35	- 25.*								B2.1	252.7	
36	- 25.*								B2.2	160.9	

37	-	0.*	B1.1	230.4
38	-	0.*	B1.2	104.3
39	-	0.*	B1.3	202.6
40	-	0.*	B1.4	369.8
41	-	0.*	B1.5	351.2
42	-	0.*	B1.6	225.1
43	-	0.*	B1.7	110.7
44	-	0.*	B1.8	117.5
45	-	0.*	B1.9	148.8
46	-	0.*	B6.1	198.3
47	-	0.*	B6.2	152.2
48	-	0.*	B6.3	382.1
49	-	0.*	B6.4	257.0
50	-	0.*	B6.5	326.2
51	-	0.*	B6.6	240.8
52	-	0.*	B6.7	296.1
53	-	0.*	B6.8	41.0
54	-	0.*	B6.9	321.5
55	-	0.*	B9.1	193.9
56	-	0.*	B9.2	16.4
57	-	0.*	B3.1	44.7
58	-	0.*	B3.2	223.2
59	-	0.*	B3.4	172.2
60	-	0.*	B3.5	91.0
61	-	3.*	B30.3/3.	5.9
62	-	6.*	B3.5A	165.0
63	-	3.*	B3.6	5.9
64	-	0.*	B3.6	168.5
65	-	0.*	B3.7	198.2
66	-	0.*	B3.8	307.9
67	-	0.*	B3.9	204.9
68	-	0.*	B4.1	72.9
69	-	0.*	B4.2	135.5
70	-	12.*	B10.1	23.9
71	-	12.*	B10.2	92.8
72	-	12.*	B10.3	84.1
73	-	12.*	B10.4	148.7
74	-	0.*	B7.1	309.7
75	-	0.*	B7.2	321.6
76	-	0.*	B7.3	267.5
77	-	3.*	B55.1	339.8
78	-	3.*	B55.2	300.9
79	-	3.*	B55.3	320.8
80	-	3.*	B55.4	347.8
81	-	3.*	B55.5	328.0
82	-	3.*	B55.6	323.8
83	-	3.*	B55.7	307.2
84	-	3.*	B55.8	333.4

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85    -  5.*                        B14.1     135.1
86    -  5.*                        B14.2      83.0
87    -  5.*                        B14.3     119.0
88    -  5.*                        B14.4     166.6
89    -  5.*                        B14.5     143.0

90    - 16.*                         B30.1      75.4
91    - 16.*                         B30.2      26.3
--------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
 REC REC ID    DNL  PEOPLE   LEQ(CAL)
 -------------------------------
  1  R10.1     67.    500.   68.8
  2  R10.2     67.    500.   71.4
  3  R10.3     67.    500.   76.0
  4  R10.3A    67.    500.   76.3
  5  R10.4     67.    500.   75.9
  6  R10.5     67.    500.   72.1
  7  R10.6/ST  67.    500.   64.4
  8  R10.7     67.    500.   71.7
  9  R10.8     67.    500.   70.8
 10  R10.9     67.    500.   67.5
 11  R10.10    67.    500.   68.4
 12  R10.11    67.    500.   74.3
 13  R10.12    67.    500.   67.8
 14  R10.13/S  67.    500.   74.7
 15  R10.14    67.    500.   70.0
 16  R10.15    67.    500.   71.3
 17  R10.16    67.    500.   67.0
 18  R10.17    67.    500.   68.5
 19  R10.18    67.    500.   68.2
 20  R10.19    67.    500.   67.2
 21  R10.19A   67.    500.   66.5
 22  R10.20    67.    500.   67.4
 BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
  0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 16.21.25.25.25.25.16. 8. 0.25.25. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
  0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 6. 3. 0. 0. 0. 0. 0. 0. 0.12.12.12.12. 0. 0.
  0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 5. 5. 5. 5. 5.16.16.
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Segment 11
11 - Encinitas to Leucadia Calibration,0,Ft,
T-L33 - NB Encinitas Off-ramp,1
704,45,14,45,12,45
T-L34 - SB Encinitas On-ramp,2
724,45,14,45,12,45
T-L35 - NB Encinitas On-ramp,3
849,45,17,45,14,45
T-L36 - SB Encinitas Off-ramp,4
782,45,15,45,13,45
T-L8 - SB General Lanes - Outer,5
0,65,0,65,0,65
T-L18 - SB General Lanes - Inner,6
3126,65,113,65,143,65
T-L58 - SB HOV Lanes,7
3126,65,113,65,143,65
T-L57 - NB HOV Lanes,8
2702,70,120,70,138,70
T-L17 - NB General Lanes - Inner,9
2702,70,120,70,138,70
T-L7 - NB General Lanes - Outer,10
0,65,0,65,0,65
T-L2 - SB General Lanes - Outer,11
0,65,0,65,0,65
T-L12 - SB General Lanes - Inner,12
3126,65,113,65,143,65
T-L52 - SB HOV Lanes,13
3126,65,113,65,143,65
T-L51 - NB HOV Lanes,14
2702,70,120,70,138,70
T-L11 - NB General Lanes - Inner,15
2702,70,120,70,138,70
T-L1 - NB General Lanes - Outer,16
0,65,0,65,0,65
T-L21 - NB Leucadia Off-ramp,17
579,45,33,45,12,45
T-L22 - SB Leucadia On-ramp,18
0,65,0,65,0,65
T-L24 - SB Leucadia Off-ramp,19
0,65,0,65,0,65
T-L23 - NB Leucadia On-ramp,20
0,65,0,65,0,65
T-L4 - SB General Lanes - Outer,21
0,65,0,65,0,65
T-L14 - SB General Lanes - Inner,22
3126,65,113,65,143,65
T-L54 - SB HOV Lanes,23
3126,65,113,65,143,65
T-L53 - NB HOV Lanes,24
2702,70,120,70,138,70
T-L13 - NB General Lanes - Inner,25
2702,70,120,70,138,70
T-L3 - NB General Lanes - Outer,26
0,65,0,65,0,65
L33 - NB Encinitas Off-ramp,1
N,903263,597823,41.8,L33.1,

N,903244,597913,39.6,L33.2,
N,903230,598013,37.4,L33.3,
N,903219,598093,35.2,L33.4,
N,903218,598172,32.3,L33.5,
N,903219,598246,31,L33.6,
L34 - SB Encinitas On-ramp,2
N,903212,597802,41.9,L34.1,
N,903183,597899,39.6,L34.2,
N,903157,597996,37.3,L34.3,
N,903126,598090,35.3,L34.4
N,903104,598146,32.3,L34.5
N,903074,598197,28.7,L34.6
N,903031,598265,25.7,L34.7
L35 - NB Encinitas On-ramp,3,
N,903219,598270,31.2,L35.1
N,903179,598335,31.9,L35.2
N,903142,598404,33.3,L35.3
N,903110,598499,33.9,L35.4
N,903087,598576,34.4,L35.5
N,903067,598652,35.3,L35.6
N,903033,598771,36.9,L35.7
L36 - SB Encinitas Off-ramp,4,
N,903033,598289,26,L36.1
N,903033,598341,25.7,L36.2
N,903032,598381,27.1,L36.3
N,903029,598440,30.2,L36.4
N,903025,598479,31.5,L36.5
N,903015,598558,34.3,L36.6
N,903003,598638,34.7,L36.7
N,902996,598676,35.6,L36.8
N,902980,598753,36.8,L36.9
L8 - SB General Lanes - Outer,5,
N,903188,597899,39.8,L8.7
N,903164,598000,37.5,L8.8
N,903140,598101,35.8,L8.9
N,903115,598196,35,L8.10
N,903093,598288,34.6,L8.11
N,903071,598385,34.6,L8.12
L18 - SB General Lanes - Inner,6,
N,903197,597901,39.8,L18.7
N,903172,598002,37.5,L18.8
N,903148,598104,35.8,L18.9
N,903125,598198,35,L18.10
N,903103,598290,34.6,L18.11
N,903079,598388,34.6,L18.12
L58 - SB HOV Lanes,7,
N,903206,597902,40,L58.7
N,903181,598006,38,L58.8
N,903157,598106,36,L58.9
N,903134,598200,35,L58.10
N,903112,598294,34.8,L58.11
N,903089,598391,34.7,L58.12
L57 - NB HOV Lanes,8,
N,903220,597913,40,L57.7
N,903197,598013,38,L57.8
N,903173,598110,36,L57.9

N,903151,598204,35,L57.10
N,903129,598299,34.8,L57.11
N,903105,598395,34.7,L57.12
L17 - NB General Lnaes - Inner,9,
N,903231,597916,39.8,L17.7
N,903207,598015,37.8,L17.8
N,903184,598111,35.8,L17.9
N,903161,598206,34.8,L17.10
N,903138,598301,34.6,L17.11
N,903114,598397,34.6,L17.12
L7 - NB General Lanes - Outer,10,
N,903239,597918,39.8,L7.7
N,903216,598017,37.8,L7.8
N,903192,598113,35.8,L7.9
N,903169,598208,34.8,L7.10
N,903146,598304,34.6,L7.11
N,903123,598401,34.6,L7.12
L2 - SB General Lanes - Outer,11,
N,903070,598385,34.6,L2.1
N,903048,598474,34.3,L2.2
N,903031,598544,34.7,L2.3
N,903007,598641,35.6,L2.4
N,902980,598753,36.8,L2.5
N,902958,598846,37.8,L2.6
N,902936,598933,38.8,L2.7
N,902913,599029,39.8,L2.8
N,902892,599114,40.8,L2.9
N,902869,599208,41.8,L2.10
N,902837,599337,43.3,L2.11
N,902806,599471,44.8,L2.12
N,902783,599567,45.8,L2.13
N,902760,599661,46.8,L2.14
N,902742,599738,47.8,L2.15
L12 - SB General Lanes - Inner,12,
N,903079,598388,34.6,L12.1
N,903056,598475,34.3,L12.2
N,903040,598546,34.7,L12.3
N,903016,598644,35.6,L12.4
N,902990,598756,36.8,L12.5
N,902966,598848,37.8,L12.6
N,902945,598935,38.8,L12.7
N,902922,599031,39.8,L12.8
N,902902,599116,40.8,L12.9
N,902878,599209,41.8,L12.10
N,902846,599339,43.3,L12.11
N,902815,599474,44.8,L12.12
N,902792,599569,45.8,L12.13
N,902769,599663,46.8,L12.14
N,902749,599740,47.8,L12.15
L52 - SB HOV Lanes,13,
N,903089,598391,34.7,L52.1
N,903067,598479,34.4,L52.2
N,903050,598548,34.7,L52.3
N,903025,598646,35.7,L52.4
N,902998,598759,37,L52.5
N,902977,598849,38,L52.6

N,902956,598939,39,L52.7
N,902931,599033,40,L52.8
N,902911,599117,41,L52.9
N,902888,599210,42,L52.10
N,902856,599341,43.5,L52.11
N,902824,599476,45,L52.12
N,902801,599571,46,L52.13
N,902778,599666,47,L52.14
N,902759,599742,48,L52.15
L51 - NB HOV Lanes,14,
N,903105,598396,34.7,L51.1
N,903083,598484,34.4,L51.2
N,903066,598553,34.7,L51.3
N,903041,598651,35.7,L51.4
N,903014,598766,37,L51.5
N,902993,598854,38,L51.6
N,902971,598947,39,L51.7
N,902948,599035,40,L51.8
N,902927,599124,41,L51.9
N,902905,599212,42,L51.10
N,902872,599350,43.5,L51.11
N,902840,599483,45,L51.12
N,902816,599576,46,L51.13
N,902794,599670,47,L51.14
N,902774,599752,48,L51.15
L11 - NB General Lanes - Inner,15,
N,903113,598398,34.6,L11.1
N,903092,598486,34.3,L11.2
N,903075,598555,34.7,L11.3
N,903052,598653,35.6,L11.4
N,903023,598768,36.9,L11.5
N,903002,598856,37.8,L11.6
N,902978,598949,38.8,L11.7
N,902958,599038,38.8,L11.8
N,902937,599127,40.8,L11.9
N,902914,599215,41.8,L11.10
N,902882,599353,43.3,L11.11
N,902849,599486,44.8,L11.12
N,902827,599579,45.8,L11.13
N,902804,599673,46.8,L11.14
N,902784,599756,47.8,L11.15
L1 - NB General Lanes - Outer,16,
N,903122,598401,34.6,L1.1
N,903102,598489,34.3,L1.2
N,903084,598558,34.7,L1.3
N,903059,598656,35.6,L1.4
N,903033,598771,36.9,L1.5
N,903011,598859,37.8,L1.6
N,902988,598952,38.8,L1.7
N,902967,599041,38.8,L1.8
N,902945,599129,40.8,L1.9
N,902923,599218,41.8,L1.10
N,902890,599356,43.3,L1.11
N,902858,599490,44.8,L1.12
N,902834,599582,45.8,L1.13
N,902813,599676,46.8,L1.14

N,902790,599758,47.8,L1.15
L21 - NB Leucadia Off-ramp,17,
N,902813,599676,46.8,L21.1
N,902800,599736,47.3,L21.2
N,902785,599799,47.8,L21.3
N,902770,599898,48.2,L21.4
N,902762,599957,49.4,L21.5
N,902759,600015,50.8,L21.6
N,902761,600057,51.8,L21.7
N,902764,600106,53.3,L21.8
L22 - SB Leucadia On-ramp,18,
N,902760,599661,46.8,L22.1
N,902741,599727,47.5,L22.2
N,902721,599804,48,L22.3
N,902693,599891,48.1,L22.4
N,902667,599966,49.7,L22.5
N,902644,600031,51.3,L22.6
N,902614,600105,53.7,L22.7
L24 - SB Leucadia Off-ramp,19,
N,902607,600143,53.9,L24.1
N,902603,600189,52.2,L24.2
N,902596,600248,48.3,L24.3
N,902589,600306,44.7,L24.4
N,902582,600347,43.3,L24.5
N,902570,600426,42.4,L24.6
N,902563,600466,42,L24.7
N,902546,600540,41.3,L24.8
L23 - NB Leucadia On-ramp,20,
N,902728,600187,53,L23.1
N,902714,600184,52.8,L23.2
N,902700,600191,52,L23.3
N,902694,600209,51.2,L23.4
N,902682,600268,46.9,L23.5
N,902676,600290,45,L23.6
N,902664,600326,43.9,L23.7
N,902646,600383,43,L23.8
N,902630,600441,42.4,L23.9
N,902615,600500,41.7,L23.10
N,902600,600549,41.3,L23.11
L4 - SB General Lanes - Outer,21,
N,902742,599738,47.8,L4.1
N,902724,599817,48.3,L4.2
N,902697,599932,48.3,L4.3
N,902668,600051,47.3,L4.4
N,902637,600175,45.7,L4.5
N,902609,600291,44.3,L4.6
N,902578,600418,42.7,L4.7
N,902546,600540,41.3,L4.8
L14 - SB General Lanes - Inner,22,
N,902749,599740,47.8,L14.1
N,902731,599819,48.3,L14.2
N,902703,599935,48.3,L14.3
N,902674,600053,47.3,L14.4
N,902644,600177,45.7,L14.5
N,902615,600293,44.3,L14.6
N,902584,600420,42.7,L14.7

N,902556,600542,41.3,L14.8
L54 - SB HOV Lanes,23,
N,902759,599742,48,L54.1
N,902740,599823,48.5,L54.2
N,902712,599939,48.5,L54.3
N,902684,600056,47.5,L54.4
N,902653,600179,46,L54.5
N,902625,600294,44.5,L54.6
N,902594,600423,43,L54.7
N,902564,600544,41.5,L54.8
L53 - NB HOV Lanes,24,
N,902774,599752,48,L53.1
N,902755,599832,48.5,L53.2
N,902727,599945,48.5,L53.3
N,902700,600058,47.5,L53.4
N,902670,600182,46,L53.5
N,902641,600298,44.5,L53.6
N,902611,600423,43,L53.7
N,902582,600543,41.5,L53.8
L13 - NB General Lanes - Inner,25,
N,902784,599756,47.8,L13.1
N,902764,599835,48.3,L13.2
N,902737,599948,48.3,L13.3
N,902710,600061,47.3,L13.4
N,902681,600184,45.7,L13.5
N,902651,600301,44.3,L13.6
N,902621,600426,42.7,L13.7
N,902591,600546,41.3,L13.8
L3 - NB General Lanes - Outer,26,
N,902790,599758,47.8,L3.1
N,902771,599836,48.3,L3.2
N,902743,599949,48.3,L3.3
N,902716,600063,47.3,L3.4
N,902687,600185,45.7,L3.5
N,902657,600303,44.3,L3.6
N,902628,600429,42.7,L3.7
N,902600,600549,41.3,L3.8
B6 - 9' Prop wall glass/block at MFR NB Side ST 678 to 680,1,2,0,0
903250,598314,44,46.7,B6.1
903216,598348,44,46.7,B6.2
903193,598389,44.1,46.8,B6.3
903162,598434,45.8,48.5,B6.4
903144,598478,46.3,49,B6.5
903123,598535,47,49.7,B6.6
903123,598535,48,48,B6.6
903137,598536,48,48,B6.7
B7 - ROW/ Prop Line at YMCA NB Side,2,2,0,0
903128,598539,49,49,B7.1
903120,598562,48,48,B7.2
903108,598598,48.5,48.5,B7.3
903091,598655,47.5,47.5,B7.4
903075,598707,47.5,47.5,B7.5
903082,598714,50.5,50.5,B7.6
903062,598793,51,51,B7.7
903048,598843,51.5,51.5,B7.8
903035,598909,51,51,B7.9

903013,598924,47,47,B7.10
B8 - ROW NB Side ST 685 to 699,3,2,0,0
903013,598924,47,47,B8.1
902998,598966,44,44,B8.2
902983,599009,39,39,B8.3
902974,599042,38.8,38.8,B8.4
902961,599091,40,40,B8.5
902956,599125,41,41,B8.6
902943,599181,46,46,B8.7
902933,599220,46,46,B8.8
902925,599264,48,48,B8.9
902918,599299,50,50,B8.10
B9 - ROW NB Side ST 688 to 691,4,2,0,0
902918,599299,50,50,B9.1
902908,599334,49,49,B9.2
902897,599362,46,46,B9.3
902883,599425,46,46,B9.4
902875,599465,47.5,47.5,B9.5
902864,599509,46,46,B9.6
902856,599557,48,48,B9.7
902853,599577,45.8,45.8,B9.8
902847,599604,44.5,44.5,B9.9
B10 - Buildings Nursery NB Side ST 689,5,2,0,0
902956,599369,49,53.6,B10.1
902907,599368,47.5,52.1,B10.2
902899,599437,47.5,52.1,B10.3
902885,599484,48,52.6,B10.4
902891,599532,49,53.6,B10.5
902921,599531,50,54.6,B10.6
B55 - Center Divider,6,2,0,0
903189,598011,38,39,B55.5
903165,598108,36,37,B55.6
903142,598204,35,36,B55.7
903120,598295,34.8,35.8,B55.8
903097,598394,34.7,35.7,B55.9
B56 - Center Divider,7,2,0,0
903097,598393,34.7,35.7,B56.1
903075,598481,34.4,35.4,B56.2
903057,598552,34.7,35.7,B56.3
903034,598649,35.7,36.7,B56.4
903007,598762,37,38,B56.5
902986,598852,38,39,B56.6
902962,598943,39,40,B56.7
902940,599034,40,41,B56.8
902919,599121,41,42,B56.9
902896,599211,42,43,B56.10
B57 - Center Divider,8,2,0,0
902896,599211,42,43,B57.1
902864,599345,43.5,44.5,B57.2
902831,599481,45,46,B57.3
902809,599574,46,47,B57.4
902786,599668,47,48,B57.5
902766,599749,48,49,B57.6
902747,599830,48.5,49.5,B57.7
902720,599944,48.5,49.5,B57.8
902692,600057,47.5,48.5,B57.9

902662,600181,46,47,B57.10
B58 - Center Divider,9,2,0,0
902662,600181,46,47,B58.1
902633,600297,44.5,45.5,B58.2
902603,600422,43,44,B58.3
B12 - NB Shoulder to ROW ST 691 to 696,10,2,0,0
902842,599584,45.8,45.8,B12.1
902822,599671,47,47,B12.2
902812,599718,50,50,B12.3
902804,599763,52,52,B12.4
902800,599809,52,52,B12.5
902792,599865,52.5,52.5,B12.6
902783,599915,53.1,53.1,B12.7
902781,599967,54,54,B12.8
902781,600009,54.5,54.5,B12.9
902780,600074,54,54,B12.10
B11 - Greenhouse Building NB Side ST 693,12,2,0,0
902865,599725,50.5,55.1,B11.1
902823,599722,50.5,55.1,B11.2
902828,599816,53.5,58.1,B11.3
902888,599818,54.5,59.1,B11.4
B13 - 3-story Holiday Inn Bldg ST 696,13,2,0,0
902792,600000,54.5,65.5,B13.1
902811,600000,54.5,65.5,B13.2
902814,600077,54.5,65.5,B13.3
902823,600089,54.5,65.5,B13.4
B18 - NB Leucadia Bridge,14,2,0,0
902752,600065,52,52,B18.1
902754,600111,53.3,53.3,B18.2
902709,600111,53.7,53.7,B18.3
902702,600140,53.7,53.7,B18.4
902754,600139,53.5,53.5,B18.5
902736,600178,53,53,B18.6
902723,600207,52.5,52.5,B18.7
902691,600279,50,50,B18.8
902675,600322,49,49,B18.9
902662,600370,46,46,B18.10
R,23,67,4
903224,598344,45.5,R11.22
R,24,67,4
903139,598500,48.5,R11.23/ ST11.1
R,25,67,4
903118,598613,50.9,R11.24
R,26,67,4
903060,598856,53.5,R11.25
R,27,67,4
903046,599005,46.5,R11.26
R,28,67,4
903004,599032,41.8,R11.27/ ST11.3
R,29,67,4
903049,599100,47.8,R11.28
R,30,67,4
902944,599208,49.4,R11.29
R,31,67,4
902963,599327,54.2,R11.30
R,32,67,4

902898,599549,50.7,R11.31/ ST11.6
R,33,67,4
902899,599631,46,R11.31A
R,34,67,4
902839,599665,46.5,R11.32
R,35,67,4
902866,599835,56.2,R11.33
R,36,67,4
902811,599876,54.8,R11.34/ LT11.2
R,37,67,4
902791,599921,55,R11.35/ ST11.35
R,38,67,4
902826,599983,57.2,R11.36
R,39,67,4
902821,600069,55.8,R11.37
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
11 - ENCINITAS TO LEUCADIA CALIBRATION,0,FT,

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BARRIER DATA
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BAR ELE		BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	-	9.*								B6.1	157.8	
2	-	9.*								B6.2	154.2	
3	-	9.*								B6.3	179.3	
4	-	9.*								B6.4	156.0	
5	-	9.*								B6.5	199.3	
6	-	4.*								B6.6	5.6	
7	-	0.*								B6.6	46.0	
8	-	0.*								B7.1	80.0	
9	-	0.*								B7.2	124.5	
10	-	0.*								B7.3	195.2	
11	-	0.*								B7.4	178.5	
12	-	0.*								B7.5	34.0	
13	-	0.*								B7.6	267.4	
14	-	0.*								B7.7	170.3	
15	-	0.*								B7.8	220.7	
16	-	0.*								B7.9	88.4	
17	-	0.*								B8.1	146.6	
18	-	0.*								B8.2	150.3	
19	-	0.*								B8.3	112.3	
20	-	0.*								B8.4	166.4	
21	-	0.*								B8.5	112.7	
22	-	0.*								B8.6	189.3	
23	-	0.*								B8.7	132.1	
24	-	0.*								B8.8	146.8	
25	-	0.*								B8.9	117.4	
26	-	0.*								B9.1	119.4	
27	-	0.*								B9.2	99.2	
28	-	0.*								B9.3	211.7	
29	-	0.*								B9.4	133.9	
30	-	0.*								B9.5	148.8	
31	-	0.*								B9.6	159.8	
32	-	0.*								B9.7	66.7	
33	-	0.*								B9.8	90.8	
34	-	15.*								B10.1	160.9	
35	-	15.*								B10.2	227.9	
36	-	15.*								B10.3	160.9	
37	-	15.*								B10.4	158.8	
38	-	15.*								B10.5	98.5	

39	-	3.*	B55.5	328.0
40	-	3.*	B55.6	323.8
41	-	3.*	B55.7	307.2
42	-	3.*	B55.8	333.4
43	-	3.*	B56.1	297.6
44	-	3.*	B56.2	240.4
45	-	3.*	B56.3	327.0
46	-	3.*	B56.4	381.3
47	-	3.*	B56.5	303.2
48	-	3.*	B56.6	308.8
49	-	3.*	B56.7	307.1
50	-	3.*	B56.8	293.7
51	-	3.*	B56.9	304.8
52	-	3.*	B57.1	452.0
53	-	3.*	B57.2	459.2
54	-	3.*	B57.3	313.5
55	-	3.*	B57.4	317.5
56	-	3.*	B57.5	273.7
57	-	3.*	B57.6	273.0
58	-	3.*	B57.7	384.4
59	-	3.*	B57.8	381.9
60	-	3.*	B57.9	418.7
61	-	3.*	B58.1	392.2
62	-	3.*	B58.2	421.9
63	-	0.*	B12.1	292.9
64	-	0.*	B12.2	158.0
65	-	0.*	B12.3	150.2
66	-	0.*	B12.4	151.5
67	-	0.*	B12.5	185.6
68	-	0.*	B12.6	166.7
69	-	0.*	B12.7	170.8
70	-	0.*	B12.8	137.8
71	-	0.*	B12.9	213.2
72	-	15.*	B11.1	138.1
73	-	15.*	B11.2	309.0
74	-	15.*	B11.3	197.0
75	-	36.*	B13.1	62.3
76	-	36.*	B13.2	252.9
77	-	36.*	B13.3	49.1
78	-	0.*	B18.1	151.1
79	-	0.*	B18.2	147.6
80	-	0.*	B18.3	97.9
81	-	0.*	B18.4	170.6
82	-	0.*	B18.5	140.9
83	-	0.*	B18.6	104.4
84	-	0.*	B18.7	258.6
85	-	0.*	B18.8	150.5
86	-	0.*	B18.9	163.4

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      0   1   2   3   4   5   6   7
1
 REC REC ID    DNL  PEOPLE   LEQ(CAL)
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  1  R11.22    67.    500.   64.4
  2  R11.23/   67.    500.   68.0
  3  R11.24    67.    500.   72.7
  4  R11.25    67.    500.   72.0
  5  R11.26    67.    500.   72.8
  6  R11.27/   67.    500.   76.6
  7  R11.28    67.    500.   72.4
  8  R11.29    67.    500.   79.8
  9  R11.30    67.    500.   71.6
 10  R11.31/   67.    500.   74.2
 11  R11.31A   67.    500.   71.3
 12  R11.32    67.    500.   75.5
 13  R11.33    67.    500.   68.9
 14  R11.34/   67.    500.   73.4
 15  R11.35/   67.    500.   75.4
 16  R11.36    67.    500.   69.4
 17  R11.37    67.    500.   59.9
 BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
   1  1  1  1  1  1  1  1  1  1  1
 CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
  9. 9. 9. 9. 9. 4. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
  0. 0. 0. 0. 0. 0. 0. 0.15.15.15.15.15. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
  3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0.15.15.15.36.
 36.36. 0. 0. 0. 0. 0. 0. 0. 0. 0.
```

11 - Encinitas to Leucadia - WEST Calibration,0,Ft,
T-L33 - NB Encinitas Off-ramp,1
0,45,0,45,0,45
T-L34 - SB Encinitas On-ramp,2
0,45,0,45,0,45
T-L35 - NB Encinitas On-ramp,3
0,45,0,45,0,45
T-L36 - SB Encinitas Off-ramp,4
676,45,13,45,11,45
T-L8 - SB General Lanes - Outer,5
0,65,0,65,0,65
T-L18 - SB General Lanes - Inner,6
2951,65,104,65,95,65
T-L58 - SB HOV Lanes,7
2951,65,104,65,95,65
T-L57 - NB HOV Lanes,8
3194,65,96,65,99,65
T-L17 - NB General Lanes - Inner,9
3194,65,96,65,99,65
T-L7 - NB General Lanes - Outer,10
0,65,0,65,0,65
T-L2 - SB General Lanes - Outer,11
0,65,0,65,0,65
T-L12 - SB General Lanes - Inner,12
2951,65,104,65,95,65
T-L52 - SB HOV Lanes,13
2951,65,104,65,95,65
T-L51 - NB HOV Lanes,14
3194,65,96,65,99,65
T-L11 - NB General Lanes - Inner,15
3194,65,96,65,99,65
T-L1 - NB General Lanes - Outer,16
0,65,0,65,0,65
T-L21 - NB Leucadia Off-ramp,17
0,45,0,45,0,45
T-L92 - Existing SB Leucadia On-ramp,18
630,45,30,45,3,45
T-L24 - SB Leucadia Off-ramp,19
0,45,0,45,0,45
T-L23 - NB Leucadia On-ramp,20
804,45,18,45,0,45
T-L4 - SB General Lanes - Outer,21
0,65,0,65,0,65
T-L14 - SB General Lanes - Inner,22
2951,65,104,65,95,65
T-L54 - SB HOV Lanes,23
2951,65,104,65,95,65
T-L53 - NB HOV Lanes,24
3194,65,96,65,99,65
T-L13 - NB General Lanes - Inner,25
3194,65,96,65,99,65
T-L3 - NB General Lanes - Outer,26
0,65,0,65,0,65
L33 - NB Encinitas Off-ramp,1
N,903263,597823,41.8,L33.1,
N,903244,597913,39.6,L33.2,

N,903230,598013,37.4,L33.3,
N,903219,598093,35.2,L33.4,
N,903218,598172,32.3,L33.5,
N,903219,598246,31,L33.6,
L34 - SB Encinitas On-ramp,2
N,903212,597802,41.9,L34.1,
N,903183,597899,39.6,L34.2,
N,903157,597996,37.3,L34.3,
N,903126,598090,35.3,L34.4
N,903104,598146,32.3,L34.5
N,903074,598197,28.7,L34.6
N,903031,598265,25.7,L34.7
L35 - NB Encinitas On-ramp,3,
N,903219,598270,31.2,L35.1
N,903179,598335,31.9,L35.2
N,903142,598404,33.3,L35.3
N,903110,598499,33.9,L35.4
N,903087,598576,34.4,L35.5
N,903067,598652,35.3,L35.6
N,903033,598771,36.9,L35.7
L36 - SB Encinitas Off-ramp,4,
N,903033,598289,26,L36.1
N,903033,598341,25.7,L36.2
N,903032,598381,27.1,L36.3
N,903029,598440,30.2,L36.4
N,903025,598479,31.5,L36.5
N,903015,598558,34.3,L36.6
N,903003,598638,34.7,L36.7
N,902996,598676,35.6,L36.8
N,902980,598753,36.8,L36.9
L8 - SB General Lanes - Outer,5,
N,903188,597899,39.8,L8.7
N,903164,598000,37.5,L8.8
N,903140,598101,35.8,L8.9
N,903115,598196,35,L8.10
N,903093,598288,34.6,L8.11
N,903071,598385,34.6,L8.12
L18 - SB General Lanes - Inner,6,
N,903197,597901,39.8,L18.7
N,903172,598002,37.5,L18.8
N,903148,598104,35.8,L18.9
N,903125,598198,35,L18.10
N,903103,598290,34.6,L18.11
N,903079,598388,34.6,L18.12
L58 - SB HOV Lanes,7,
N,903206,597902,40,L58.7
N,903181,598006,38,L58.8
N,903157,598106,36,L58.9
N,903134,598200,35,L58.10
N,903112,598294,34.8,L58.11
N,903089,598391,34.7,L58.12
L57 - NB HOV Lanes,8,
N,903220,597913,40,L57.7
N,903197,598013,38,L57.8
N,903173,598110,36,L57.9
N,903151,598204,35,L57.10

N,903129,598299,34.8,L57.11
N,903105,598395,34.7,L57.12
L17 - NB General Lnaes - Inner,9,
N,903231,597916,39.8,L17.7
N,903207,598015,37.8,L17.8
N,903184,598111,35.8,L17.9
N,903161,598206,34.8,L17.10
N,903138,598301,34.6,L17.11
N,903114,598397,34.6,L17.12
L7 - NB General Lanes - Outer,10,
N,903239,597918,39.8,L7.7
N,903216,598017,37.8,L7.8
N,903192,598113,35.8,L7.9
N,903169,598208,34.8,L7.10
N,903146,598304,34.6,L7.11
N,903123,598401,34.6,L7.12
L2 - SB General Lanes - Outer,11,
N,903070,598385,34.6,L2.1
N,903048,598474,34.3,L2.2
N,903031,598544,34.7,L2.3
N,903007,598641,35.6,L2.4
N,902980,598753,36.8,L2.5
N,902958,598846,37.8,L2.6
N,902936,598933,38.8,L2.7
N,902913,599029,39.8,L2.8
N,902892,599114,40.8,L2.9
N,902869,599208,41.8,L2.10
N,902837,599337,43.3,L2.11
N,902806,599471,44.8,L2.12
N,902783,599567,45.8,L2.13
N,902760,599661,46.8,L2.14
N,902742,599738,47.8,L2.15
L12 - SB General Lanes - Inner,12,
N,903079,598388,34.6,L12.1
N,903056,598475,34.3,L12.2
N,903040,598546,34.7,L12.3
N,903016,598644,35.6,L12.4
N,902990,598756,36.8,L12.5
N,902966,598848,37.8,L12.6
N,902945,598935,38.8,L12.7
N,902922,599031,39.8,L12.8
N,902902,599116,40.8,L12.9
N,902878,599209,41.8,L12.10
N,902846,599339,43.3,L12.11
N,902815,599474,44.8,L12.12
N,902792,599569,45.8,L12.13
N,902769,599663,46.8,L12.14
N,902749,599740,47.8,L12.15
L52 - SB HOV Lanes,13,
N,903089,598391,34.7,L52.1
N,903067,598479,34.4,L52.2
N,903050,598548,34.7,L52.3
N,903025,598646,35.7,L52.4
N,902998,598759,37,L52.5
N,902977,598849,38,L52.6
N,902956,598939,39,L52.7

N,902931,599033,40,L52.8
N,902911,599117,41,L52.9
N,902888,599210,42,L52.10
N,902856,599341,43.5,L52.11
N,902824,599476,45,L52.12
N,902801,599571,46,L52.13
N,902778,599666,47,L52.14
N,902759,599742,48,L52.15
L51 - NB HOV Lanes,14,
N,903105,598396,34.7,L51.1
N,903083,598484,34.4,L51.2
N,903066,598553,34.7,L51.3
N,903041,598651,35.7,L51.4
N,903014,598766,37,L51.5
N,902993,598854,38,L51.6
N,902971,598947,39,L51.7
N,902948,599035,40,L51.8
N,902927,599124,41,L51.9
N,902905,599212,42,L51.10
N,902872,599350,43.5,L51.11
N,902840,599483,45,L51.12
N,902816,599576,46,L51.13
N,902794,599670,47,L51.14
N,902774,599752,48,L51.15
L11 - NB General Lanes - Inner,15,
N,903113,598398,34.6,L11.1
N,903092,598486,34.3,L11.2
N,903075,598555,34.7,L11.3
N,903052,598653,35.6,L11.4
N,903023,598768,36.9,L11.5
N,903002,598856,37.8,L11.6
N,902978,598949,38.8,L11.7
N,902958,599038,38.8,L11.8
N,902937,599127,40.8,L11.9
N,902914,599215,41.8,L11.10
N,902882,599353,43.3,L11.11
N,902849,599486,44.8,L11.12
N,902827,599579,45.8,L11.13
N,902804,599673,46.8,L11.14
N,902784,599756,47.8,L11.15
L1 - NB General Lanes - Outer,16,
N,903122,598401,34.6,L1.1
N,903102,598489,34.3,L1.2
N,903084,598558,34.7,L1.3
N,903059,598656,35.6,L1.4
N,903033,598771,36.9,L1.5
N,903011,598859,37.8,L1.6
N,902988,598952,38.8,L1.7
N,902967,599041,38.8,L1.8
N,902945,599129,40.8,L1.9
N,902923,599218,41.8,L1.10
N,902890,599356,43.3,L1.11
N,902858,599490,44.8,L1.12
N,902834,599582,45.8,L1.13
N,902813,599676,46.8,L1.14
N,902790,599758,47.8,L1.15

L21 - NB Leucadia Off-ramp,17,
N,902813,599676,46.8,L21.1
N,902800,599736,47.3,L21.2
N,902785,599799,47.8,L21.3
N,902770,599898,48.2,L21.4
N,902762,599957,49.4,L21.5
N,902759,600015,50.8,L21.6
N,902761,600057,51.8,L21.7
N,902764,600106,53.3,L21.8
L92 - Existing SB Leucadia On-ramp,18,
N,902731,599819,48.3,L92.1
N,902692,599931,48.3,L92.2
N,902677,599981,48,L92.3
N,902650,600033,51.3,L92.4
N,902614,600105,53.7,L92.5
L24 - SB Leucadia Off-ramp,19,
N,902607,600143,53.9,L24.1
N,902603,600189,52.2,L24.2
N,902596,600248,48.3,L24.3
N,902589,600306,44.7,L24.4
N,902582,600347,43.3,L24.5
N,902570,600426,42.4,L24.6
N,902563,600466,42,L24.7
N,902546,600540,41.3,L24.8
L23 - NB Leucadia On-ramp,20,
N,902728,600187,53,L23.1
N,902714,600184,52.8,L23.2
N,902700,600191,52,L23.3
N,902694,600209,51.2,L23.4
N,902682,600268,46.9,L23.5
N,902676,600290,45,L23.6
N,902664,600326,43.9,L23.7
N,902646,600383,43,L23.8
N,902630,600441,42.4,L23.9
N,902615,600500,41.7,L23.10
N,902600,600549,41.3,L23.11
L4 - SB General Lanes - Outer,21,
N,902742,599738,47.8,L4.1
N,902724,599817,48.3,L4.2
N,902697,599932,48.3,L4.3
N,902668,600051,47.3,L4.4
N,902637,600175,45.7,L4.5
N,902609,600291,44.3,L4.6
N,902578,600418,42.7,L4.7
N,902546,600540,41.3,L4.8
L14 - SB General Lanes - Inner,22,
N,902749,599740,47.8,L14.1
N,902731,599819,48.3,L14.2
N,902703,599935,48.3,L14.3
N,902674,600053,47.3,L14.4
N,902644,600177,45.7,L14.5
N,902615,600293,44.3,L14.6
N,902584,600420,42.7,L14.7
N,902556,600542,41.3,L14.8
L54 - SB HOV Lanes,23,
N,902759,599742,48,L54.1

N,902740,599823,48.5,L54.2
N,902712,599939,48.5,L54.3
N,902684,600056,47.5,L54.4
N,902653,600179,46,L54.5
N,902625,600294,44.5,L54.6
N,902594,600423,43,L54.7
N,902564,600544,41.5,L54.8
L53 - NB HOV Lanes,24,
N,902774,599752,48,L53.1
N,902755,599832,48.5,L53.2
N,902727,599945,48.5,L53.3
N,902700,600058,47.5,L53.4
N,902670,600182,46,L53.5
N,902641,600298,44.5,L53.6
N,902611,600423,43,L53.7
N,902582,600543,41.5,L53.8
L13 - NB General Lanes - Inner,25,
N,902784,599756,47.8,L13.1
N,902764,599835,48.3,L13.2
N,902737,599948,48.3,L13.3
N,902710,600061,47.3,L13.4
N,902681,600184,45.7,L13.5
N,902651,600301,44.3,L13.6
N,902621,600426,42.7,L13.7
N,902591,600546,41.3,L13.8
L3 - NB General Lanes - Outer,26,
N,902790,599758,47.8,L3.1
N,902771,599836,48.3,L3.2
N,902743,599949,48.3,L3.3
N,902716,600063,47.3,L3.4
N,902687,600185,45.7,L3.5
N,902657,600303,44.3,L3.6
N,902628,600429,42.7,L3.7
N,902600,600549,41.3,L3.8
B2 - Comm Building SB Side ST 680,1,2,0,0
902937,598427,26.7,32.8,B2.1
902996,598429,26.7,32.8,B2.2
902994,598492,26.6,32.7,B2.3
B3 - SB Shoulder ST 680 to 686,2,2,0,0
903023,598440,30.2,30.2,B3.1
903020,598479,31.5,31.5,B3.2
903011,598558,34.3,34.3,B3.3
902999,598638,35.3,35.3,B3.4
902992,598675,36,36,B3.5
902973,598752,36.8,36.8,B3.6
902951,598844,37.8,37.8,B3.7
B1 - SB Nat Bar to R11.3 Prop Line,3,2,0,0
902931,598580,26,26,B1.1
902913,598599,36,36,B1.2
902898,598619,44,44,B1.3
902882,598649,48.5,48.5,B1.4
902873,598676,48.5,48.5,B1.5
902878,598691,48.5,48.5,B1.6
902864,598737,48.5,48.5,B1.7
B55 - Center Divider,4,2,0,0
903189,598011,38,39,B55.5

903165,598108,36,37,B55.6
903142,598204,35,36,B55.7
903120,598295,34.8,35.8,B55.8
903097,598394,34.7,35.7,B55.9
B56 - Center Divider,5,2,0,0
903097,598393,34.7,35.7,B56.1
903075,598481,34.4,35.4,B56.2
903057,598552,34.7,35.7,B56.3
903034,598649,35.7,36.7,B56.4
903007,598762,37,38,B56.5
902986,598852,38,39,B56.6
902962,598943,39,40,B56.7
902940,599034,40,41,B56.8
902919,599121,41,42,B56.9
902896,599211,42,43,B56.10
B4 - SB Shoulder ST 686 to 694,6,2,0,0
902813,599407,44.1,44.1,B4.5
902799,599469,44.8,44.8,B4.6
902776,599565,45.8,45.8,B4.7
902753,599659,46.8,46.8,B4.8
902737,599728,47.5,47.5,B4.9
902715,599804,48,48,B4.10
B5 - SB Shoulder to Leucadia Bridge ST 694 to 697,7,2,0,0
902715,599804,48,48,B5.1
902705,599841,48,48,B5.2
902701,599835,50,50,B5.3
902679,599915,52,52,B5.4
902659,599968,53.2,53.2,B5.5
902642,600015,52,52,B5.6
902611,600076,52,52,B5.7
902593,600110,54.2,54.2,B5.8
902644,600112,54,54,B5.9
902637,600140,54,54,B5.10
B57 - Center Divider,8,2,0,0
902896,599211,42,43,B57.1
902864,599345,43.5,44.5,B57.2
902831,599481,45,46,B57.3
902809,599574,46,47,B57.4
902786,599668,47,48,B57.5
902766,599749,48,49,B57.6
902747,599830,48.5,49.5,B57.7
902720,599944,48.5,49.5,B57.8
902692,600057,47.5,48.5,B57.9
902662,600181,46,47,B57.10
B58 - Center Divider,9,2,0,0
902662,600181,46,47,B58.1
902633,600297,44.5,45.5,B58.2
902603,600422,43,44,B58.3
B21 - Nat Bar Leucadia Bridge,10,2,0,0
902637,600140,54,54,B21.1
902589,600139,54,54,B21.2
902585,600166,55.5,55.5,B21.3
902583,600215,55,55,B21.4
902583,600231,48,48,B21.5
B93 - Existing Shoulder SB Side ST 684 to 690,11,2,0,0
902963,598846,37.8,37.8,B93.1

902941,598935,38.5,38.5,B93.2
902921,599020,39.5,39.5,B93.3
902898,599108,40.5,40.5,B93.4
902877,599195,41.5,41.5,B93.5
902854,599289,42.5,42.5,B93.6
902833,599377,43.5,43.5,B93.7
902812,599466,44.5,44.5,B93.8
R,1,67,4
902861,598530,28.4,R11.1
R,2,67,4
902863,598589,38.8,R11.1A
R,3,67,4
902861,598630,44.8,R11.2
R,4,67,4
902869,598694,51.1,R11.3
R,5,67,4
902849,598785,51,R11.4/ ST11.2
R,6,67,4
902810,598932,51.5,R11.5
R,7,67,4
902856,598970,38.2,R11.6
R,8,67,4
902860,599050,37.8,R11.7
R,9,67,4
902809,599088,51.6,R11.8
R,10,67,4
902831,599123,47,R11.9/ ST11.4
R,11,67,4
902767,599167,55.1,R11.10
R,12,67,4
902838,599249,39.2,R11.11
R,13,67,4
902726,599338,48.2,R11.12
R,14,67,4
902757,599424,47.1,R11.13/ ST11.5
R,15,67,4
902757,599525,48.5,R11.14
R,16,67,4
902705,599574,55.5,R11.15
R,17,67,4
902724,599622,48.6,R11.16
R,18,67,4
902689,599690,52,R11.17
R,19,67,4
902715,599771,49.8,R11.18/ LT11.1
R,20,67,4
902647,599819,57.1,R11.19
R,21,67,4
902613,599924,55.3,R11.20
R,22,67,4
902570,599964,53.8,R11.21
D,4.5
ALL,1
ALL,2
ALL,3
ALL,4

ALL,5
ALL,6
ALL,9
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ALL,21
ALL,22
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
11 - ENCINITAS TO LEUCADIA - WEST CALIBRATION,0,FT,

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	- 20.*								B2.1	193.7	
2	- 20.*								B2.2	206.8	
3	- 0.*								B3.1	128.5	
4	- 0.*								B3.2	261.0	
5	- 0.*								B3.3	265.4	
6	- 0.*								B3.4	123.6	
7	- 0.*								B3.5	260.2	
8	- 0.*								B3.6	310.4	
9	- 0.*								B1.1	91.9	
10	- 0.*								B1.2	86.1	
11	- 0.*								B1.3	112.5	
12	- 0.*								B1.4	93.4	
13	- 0.*								B1.5	51.9	
14	- 0.*								B1.6	157.8	
15	- 3.*								B55.5	328.0	
16	- 3.*								B55.6	323.8	
17	- 3.*								B55.7	307.2	
18	- 3.*								B55.8	333.4	
19	- 3.*								B56.1	297.6	
20	- 3.*								B56.2	240.4	
21	- 3.*								B56.3	327.0	
22	- 3.*								B56.4	381.3	
23	- 3.*								B56.5	303.2	
24	- 3.*								B56.6	308.8	
25	- 3.*								B56.7	307.1	
26	- 3.*								B56.8	293.7	
27	- 3.*								B56.9	304.8	
28	- 0.*								B4.5	208.5	
29	- 0.*								B4.6	323.9	
30	- 0.*								B4.7	317.5	
31	- 0.*								B4.8	232.3	
32	- 0.*								B4.9	259.6	
33	- 0.*								B5.1	125.8	
34	- 0.*								B5.2	24.5	
35	- 0.*								B5.3	272.3	
36	- 0.*								B5.4	185.9	
37	- 0.*								B5.5	163.9	

38	-	0.*	B5.6	224.6
39	-	0.*	B5.7	126.4
40	-	0.*	B5.8	167.4
41	-	0.*	B5.9	94.7
42	-	3.*	B57.1	452.0
43	-	3.*	B57.2	459.2
44	-	3.*	B57.3	313.5
45	-	3.*	B57.4	317.5
46	-	3.*	B57.5	273.7
47	-	3.*	B57.6	273.0
48	-	3.*	B57.7	384.4
49	-	3.*	B57.8	381.9
50	-	3.*	B57.9	418.7
51	-	3.*	B58.1	392.2
52	-	3.*	B58.2	421.9
53	-	0.*	B21.1	157.5
54	-	0.*	B21.2	89.7
55	-	0.*	B21.3	160.8
56	-	0.*	B21.4	57.3
57	-	0.*	B93.1	300.8
58	-	0.*	B93.2	286.6
59	-	0.*	B93.3	298.4
60	-	0.*	B93.4	293.7
61	-	0.*	B93.5	317.5
62	-	0.*	B93.6	296.8
63	-	0.*	B93.7	300.0

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0 1 2 3 4 5 6 7

1

REC	REC ID	DNL	PEOPLE	LEQ(CAL)
1	R11.1	67.	500.	64.8
2	R11.1A	67.	500.	64.9
3	R11.2	67.	500.	64.2
4	R11.3	67.	500.	67.9
5	R11.4/ S	67.	500.	67.9
6	R11.5	67.	500.	68.1
7	R11.6	67.	500.	72.1
8	R11.7	67.	500.	73.2
9	R11.8	67.	500.	70.0
10	R11.9/ S	67.	500.	72.0
11	R11.10	67.	500.	68.8
12	R11.11	67.	500.	74.5
13	R11.12	67.	500.	68.7
14	R11.13/	67.	500.	71.7
15	R11.14	67.	500.	74.1
16	R11.15	67.	500.	70.8
17	R11.16	67.	500.	72.8
18	R11.17	67.	500.	71.5
19	R11.18/	67.	500.	76.7
20	R11.19	67.	500.	70.6
21	R11.20	67.	500.	69.4

22 R11.21 67. 500. 66.6

BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
20.20. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3.
3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.

Segment 12
2 - Leucadia to La Costa WEST Calibration,
T-L21 - NB Leucadia Off-ramp,1
0,45,0,45,0,45
T-L22 - SB Leucadia On-ramp,2
630,45,30,45,3,45
T-L24 - SB Leucadia Off-ramp,3
0,45,0,45,0,45
T-L23 - NB Leucadia On-ramp,4
0,45,0,45,0,45
T-L4 - SB General Lanes - Outer,5
0,65,0,65,0,65
T-L14 - SB General Lanes - Inner,6
3281,62,108,62,104,62
T-L54 - SB HOV Lanes,7
3281,62,108,62,104,62
T-L53 - NB HOV Lanes,8
3393,65,120,65,69,65
T-L13 - NB General Lanes - Inner,9
3393,65,120,65,69,65
T-L3 - NB General Lanes - Outer,10
0,65,0,65,0,65
T-L6 - SB General Lanes - Outer,11
0,65,0,65,0,65
T-L16 - SB General Lanes - Inner,12
3281,62,108,62,104,62
T-L56 - SB HOV Lanes,13
3281,62,108,62,104,62
T-L55 - NB HOV Lanes,14
3393,65,120,65,69,65
T-L15 - NB General Lanes - Inner,15
3393,65,120,65,69,65
T-L5 - NB General Lanes - Outer,16
0,65,0,65,0,65
T-L26 - SB La Costa On-Ramp,17
0,45,0,45,0,45
T-L25 - NB La Costa Off-Ramp,18
804,45,18,45,0,45
T-L27 - NB La Costa On-Ramp,19
0,45,0,45,0,45
T-L28 - SB La Costa Off-Ramp,20
0,45,0,45,0,45
L21 - NB Leucadia Off-ramp,1
N,902813,599676,46.8,L21.1,
N,902800,599736,47.3,L21.2,
N,902785,599799,47.8,L21.3,
N,902770,599898,48.2,L21.4,
N,902762,599957,49.4,L21.5,
N,902759,600015,50.8,L21.6,
N,902761,600057,51.8,L21.7
N,902764,600106,53.3,L21.8
L22 - SB Leucadia On-ramp,2,
N,902760,599661,46.8,L22.1
N,902741,599727,47.5,L22.2
N,902721,599804,48,L22.3
N,902693,599891,48.1,L22.4

N,902667,599966,49.7,L22.5
N,902644,600031,51.3,L22.6
N,902614,600105,53.7,L22.7
L24 - SB Leucadia Off-ramp,3,
N,902607,600143,53.9,L24.1
N,902603,600189,52.2,L24.2
N,902596,600248,48.3,L24.3
N,902589,600306,44.7,L24.4
N,902582,600347,43.3,L24.5
N,902570,600426,42.4,L24.6
N,902563,600466,42,L24.7
N,902546,600540,41.3,L24.8
L23 - NB Leucadia On-ramp,4,
N,902728,600187,53,L23.1
N,902714,600184,52.8,L23.2
N,902700,600191,52,L23.3
N,902694,600209,51.2,L23.4
N,902682,600268,46.9,L23.5
N,902676,600290,45,L23.6
N,902664,600326,43.9,L23.7
N,902646,600383,43,L23.8
N,902630,600441,42.4,L23.9
N,902615,600500,41.7,L23.10
N,902600,600549,41.3,L23.11
L4 - SB General Lanes - Outer,5,
N,902742,599738,47.8,L4.1
N,902724,599817,48.3,L4.2
N,902697,599932,48.3,L4.3
N,902668,600051,47.3,L4.4
N,902637,600175,45.7,L4.5
N,902609,600291,44.3,L4.6
N,902578,600418,42.7,L4.7
N,902546,600540,41.3,L4.8
N,902518,600655,39.8,L4.9
N,902489,600777,38.3,L4.10
N,902459,600901,36.8,L4.11
N,902432,601010,35.5,L4.12
N,902408,601107,33.3,L4.13
N,902385,601199,31.3,L4.14
N,902364,601289,29.3,L4.15
L14 - SB General Lanes - Inner,6,
N,902749,599740,47.8,L14.1
N,902731,599819,48.3,L14.2
N,902703,599935,48.3,L14.3
N,902674,600053,47.3,L14.4
N,902644,600177,45.7,L14.5
N,902615,600293,44.3,L14.6
N,902584,600420,42.7,L14.7
N,902556,600542,41.3,L14.8
N,902527,600657,39.8,L14.9
N,902497,600779,38.3,L14.10
N,902467,600902,36.8,L14.11
N,902440,601012,35.5,L14.12
N,902417,601109,33.3,L14.13
N,902394,601202,31.3,L14.14
N,902372,601291,29.3,L14.15

L54 - SB HOV Lanes,7,
N,902759,599742,48,L54.1
N,902740,599823,48.5,L54.2
N,902712,599939,48.5,L54.3
N,902684,600056,47.5,L54.4
N,902653,600179,46,L54.5
N,902625,600294,44.5,L54.6
N,902594,600423,43,L54.7
N,902564,600544,41.5,L54.8
N,902537,600659,40,L54.9
N,902507,600781,38.5,L54.10
N,902477,600904,37,L54.11
N,902449,601015,35.5,L54.12
N,902427,601113,33.5,L54.13
N,902404,601205,31.5,L54.14
N,902382,601293,29.5,L54.15
L53 - NB HOV Lanes,8,
N,902774,599752,48,L53.1
N,902755,599832,48.5,L53.2
N,902727,599945,48.5,L53.3
N,902700,600058,47.5,L53.4
N,902670,600182,46,L53.5
N,902641,600298,44.5,L53.6
N,902611,600423,43,L53.7
N,902582,600543,41.5,L53.8
N,902553,600663,40,L53.9
N,902524,600786,38.5,L53.10
N,902494,600909,37,L53.11
N,902467,601016,35.5,L53.12
N,902442,601116,33.5,L53.13
N,902420,601207,31.5,L53.14
N,902398,601296,29.5,L53.15
L13 - NB General Lanes - Inner,9,
N,902784,599756,47.8,L13.1
N,902764,599835,48.3,L13.2
N,902737,599948,48.3,L13.3
N,902710,600061,47.3,L13.4
N,902681,600184,45.7,L13.5
N,902651,600301,44.3,L13.6
N,902621,600426,42.7,L13.7
N,902591,600546,41.3,L13.8
N,902563,600665,39.8,L13.9
N,902533,600787,38.3,L13.10
N,902502,600911,36.8,L13.11
N,902475,601018,35.5,L13.12
N,902452,601118,33.3,L13.13
N,902430,601209,31.3,L13.14
N,902408,601298,29.3,L13.15
L3 - NB General Lanes - Outer,10,
N,902790,599758,47.8,L3.1
N,902771,599836,48.3,L3.2
N,902743,599949,48.3,L3.3
N,902716,600063,47.3,L3.4
N,902687,600185,45.7,L3.5
N,902657,600303,44.3,L3.6
N,902628,600429,42.7,L3.7

N,902600,600549,41.3,L3.8
N,902571,600668,39.8,L3.9
N,902542,600790,38.3,L3.10
N,902510,600914,36.8,L3.11
N,902485,601022,35.5,L3.12
N,902460,601120,33.3,L3.13
N,902439,601212,31.3,L3.14
N,902417,601300,29.3,L3.15
L6 - SB General Lanes - Outer,11,
N,902364,601289,29.3,L6.1
N,902338,601398,26.8,L6.2
N,902316,601489,24.8,L6.3
N,902289,601596,22.3,L6.4
N,902265,601707,19.8,L6.5
N,902237,601818,17.3,L6.6
N,902211,601928,14.8,L6.7
N,902183,602034,12.3,L6.8
N,902162,602122,10.3,L6.9
N,902134,602205,8.3,L6.10
N,902100,602285,6.2,L6.11
N,902061,602363,4.8,L6.12
N,902011,602457,4.2,L6.13
N,901955,602562,4.5,L6.14
N,901898,602668,4.8,L6.15
L16 - SB General Lanes - Inner,12,
N,902372,601291,29.3,L16.1
N,902346,601400,26.8,L16.2
N,902323,601491,24.8,L16.3
N,902298,601599,22.3,L16.4
N,902272,601709,19.8,L16.5
N,902245,601821,17.3,L16.6
N,902218,601930,14.8,L16.7
N,902192,602036,12.3,L16.8
N,902169,602124,10.3,L16.9
N,902140,602209,8.3,L16.10
N,902109,602290,6.2,L16.11
N,902069,602367,4.8,L16.12
N,902019,602462,4.2,L16.13
N,901962,602567,4.5,L16.14
N,901906,602672,4.8,L16.15
L56 - SB HOV Lanes,13,
N,902382,601293,29.5,L56.1
N,902355,601405,27,L56.2
N,902333,601494,25,L56.3
N,902308,601602,22.5,L56.4
N,902282,601713,20,L56.5
N,902255,601824,17.5,L56.6
N,902228,601932,15,L56.7
N,902201,602039,12.5,L56.8
N,902180,602127,10.5,L56.9
N,902151,602213,8.5,L56.10
N,902117,602294,6.5,L56.11
N,902077,602372,5,L56.12
N,902028,602467,4.3,L56.13
N,901971,602571,4.7,L56.14
N,901915,602676,4.9,L56.15

L55 - NB HOV Lanes,14,
N,902398,601296,29.5,L55.1
N,902373,601403,27,L55.2
N,902351,601494,25,L55.3
N,902324,601604,22.5,L55.4
N,902299,601714,20,L55.5
N,902270,601826,17.5,L55.6
N,902245,601933,15,L55.7
N,902219,602044,12.5,L55.8
N,902195,602133,10.5,L55.9
N,902164,602226,8.5,L55.10
N,902130,602306,6.5,L55.11
N,902092,602382,5,L55.12
N,902041,602474,4.3,L55.13
N,901986,602580,4.7,L55.14
N,901929,602686,4.9,L55.15
L15 - NB General Lanes - Inner,15,
N,902408,601298,29.3,L15.1
N,902382,601406,26.8,L15.2
N,902359,601496,24.8,L15.3
N,902333,601606,22.3,L15.4
N,902309,601716,19.8,L15.5
N,902280,601828,17.3,L15.6
N,902254,601933,14.8,L15.7
N,902227,602045,12.4,L15.8
N,902204,602137,10.7,L15.9
N,902173,602231,8.7,L15.10
N,902138,602311,6.7,L15.11
N,902100,602387,5.1,L15.12
N,902051,602480,4.2,L15.13
N,901993,602585,4.5,L15.14
N,901937,602691,4.8,L15.15
L5 - NB General Lanes - Outer,16,
N,902417,601300,29.3,L5.1
N,902390,601408,26.8,L5.2
N,902369,601498,24.8,L5.3
N,902342,601609,22.3,L5.4
N,902316,601718,19.8,L5.5
N,902289,601831,17.3,L5.6
N,902264,601936,14.8,L5.7
N,902236,602048,12.4,L5.8
N,902212,602141,10.7,L5.9
N,902181,602234,8.7,L5.10
N,902146,602314,6.7,L5.11
N,902108,602391,5.1,L5.12
N,902057,602485,4.2,L5.13
N,902000,602590,4.5,L5.14
N,901944,602696,4.8,L5.15
L26 - SB La Costa On-Ramp,17,
N,902265,601707,19.8,L26.1
N,902229,601825,16.9,L26.2
N,902209,601901,15,L26.3
N,902192,601960,13.6,L26.4
N,902163,602033,11.8,L26.5
N,902145,602070,12.3,L26.6
N,902097,602161,17.4,L26.7

N,902072,602211,19.2,L26.8
L25 - NB La Costa Off-Ramp,18,
N,902289,601831,17.3,L25.1
N,902274,601917,15,L25.2
N,902265,601977,13.5,L25.3
N,902256,602036,12.3,L25.4
N,902253,602077,12,L25.5
N,902247,602116,12.8,L25.6
N,902234,602194,15,L25.7
N,902223,602241,15.5,L25.8
L27 - NB La Costa On-Ramp,19,
N,902201,602284,13.5,L27.1
N,902153,602352,7.3,L27.2
N,902120,602403,4.6,L27.3
N,902089,602453,3.8,L27.4
N,902045,602522,3.8,L27.5
N,902017,602574,4,L27.6
N,901986,602628,4.4,L27.7
N,901944,602696,4.8,L27.8
L28 - SB La Costa Off-Ramp,20,
N,902054,602260,18,L28.1
N,902029,602335,13.6,L28.2
N,902002,602411,9,L28.3
N,901966,602504,4.5,L28.4
N,901950,602541,3.9,L28.5
N,901919,602614,4.2,L28.6
N,901898,602668,4.8,L28.7
B5 - SB Shld ,1,2,0,0
902701,599835,50,50,B5.3
902679,599915,52,52,B5.4
902659,599968,53.2,53.2,B5.5
902642,600015,52,52,B5.6
902642,600015,52,52,B5.6
902593,600110,54.2,54.2,B5.8
902644,600112,54,54,B5.9
902637,600140,54,54,B5.10
B21 - Nat Bar Leucadia Bridge,2,2,0,0
902637,600140,54,54,B21.1
902589,600139,54,54,B21.2
902585,600166,55.5,55.5,B21.3
902583,600215,55,55,B21.4
902583,600231,48,48,B21.5
B2 - SB Shoulder ST 697 to 703,3,2,0,0
902599,600189,52.2,52.2,B2.1
902592,600247,48.3,48.3,B2.2
902585,600307,44.7,44.7,B2.3
902578,600347,43.3,43.3,B2.4
902566,600426,42.4,42.4,B2.5
902558,600464,42,42,B2.6
902541,600537,41.3,41.3,B2.7
902525,600594,40.5,40.5,B2.8
902512,600652,39.8,39.8,B2.9
902497,600714,39,39,B2.10
B57 - Center Divider,4,2,0,0
902747,599830,48.5,49.5,B57.7
902720,599944,48.5,49.5,B57.8

902692,600057,47.5,48.5,B57.9
902662,600181,46,47,B57.10
B58 - Center Divider,5,2,0,0
902662,600181,46,47,B58.1
902633,600297,44.5,45.5,B58.2
902603,600422,43,44,B58.3
902573,600543,41.5,42.5,B58.4
902545,600661,40,41,B58.5
902515,600783,38.5,39.5,B58.6
902485,600907,37,38,B58.7
902458,601015,35.5,36.5,B58.8
902435,601114,33.5,34.5,B58.9
902411,601206,31.5,32.5,B58.10
B3 - SB ROW to Shoulder ST 703 to 708,6,2,0,0
902497,600714,39,39,B3.1
902475,600762,40,40,B3.2
902467,600795,40,40,B3.3
902462,600828,38,38,B3.4
902459,600856,35.5,35.5,B3.5
902454,600885,37,37,B3.6
902440,600948,36.1,36.1,B3.7
902424,601009,35.3,35.3,B3.8
902401,601106,33.3,33.3,B3.9
902378,601199,31.3,31.3,B3.10
B4 - SB Shoulder ST 708 to 715,7,2,0,0
902378,601199,31.3,31.3,B4.1
902357,601287,29.3,29.3,B4.2
902343,601344,28.1,28.1,B4.3
902330,601397,26.8,26.8,B4.4
902308,601486,24.8,24.8,B4.5
902293,601548,23.5,23.5,B4.6
902277,601612,22.3,22.3,B4.7
902257,601706,19.8,19.8,B4.8
902242,601761,16.9,16.9,B4.9
902227,601816,15,15,B4.10
B45 - SB Shoulder of La Costa On-Ramp,8,2,0,0
902227,601816,16.9,16.9,B45.1
902205,601900,15,15,B45.2
902188,601957,13.6,13.6,B45.3
902173,601995,12.7,12.7,B45.4
902158,602032,11.8,11.8,B45.5
B6 - 10 to 12' Prop Wall SB Side ST 713 to 716,9,2,0,0
902253,601662,17.5,20.5,B6.1
902219,601715,41.2,44.2,B6.2
902192,601822,13,16,B6.3
902195,601865,12.6,15.6,B6.4
902186,601903,13,16,B6.5
902186,601903,13,16.7,B6.5
902169,601941,14.2,17.9,B6.6
902160,601960,11.5,15.2,B6.7
B7 - SB Nat Bar La Cost Bridge,10,2,0,0
902175,602044,12,12,B7.1
902146,602108,16,16,B7.2
902114,602169,18,18,B7.3
902090,602217,19.2,19.2,B7.4
902115,602227,17.3,17.3,B7.5

902102,602258,16.8,16.8,B7.6
902067,602258,18.3,18.3,B7.7
902035,602255,20,20,B7.8
902011,602320,20,20,B7.9
901981,602348,19,19,B7.10
B14 - SB Nat Bar R13.1 to 13.2,11,2,0,0
901981,602348,19,19,B14.1
901930,602402,20.5,20.5,B14.2
901896,602471,22,22,B14.3
901881,602510,22,22,B14.4
901868,602559,22,22,B14.5
901862,602586,20,20,B14.6
901820,602575,20,20,B14.7
B15 - Nat Bar La Costa SB Off-ramp,12,2,0,0
902067,602258,18,18,B15.1
902039,602337,13.6,13.6,B15.2
902013,602414,9,9,B15.3
901993,602474,6.5,6.5,B15.4
B59 - Center Divider,13,2,0,0
902411,601206,31.5,32.5,B59.1
902390,601296,29.5,30.5,B59.2
902364,601404,27,28,B59.3
902341,601495,25,26,B59.4
902316,601603,22.5,23.5,B59.5
902289,601716,20,21,B59.6
902262,601825,17.5,18.5,B59.7
902236,601933,15,16,B59.8
902211,602041,12.5,13.5,B59.9
902187,602129,10.5,11.5,B59.10
B60 - Center Divider,14,2,0,0
902187,602129,10.5,11.5,B60.1
902157,602218,8.5,9.5,B60.2
902124,602301,6.5,7.5,B60.3
902085,602378,5,6,B60.4
902034,602471,4.3,5.3,B60.5
901978,602576,4.7,5.7,B60.6
901922,602682,4.9,5.9,B60.7
R,1,67,4,
902519,600172,56,R12.1,
R,2,67,4,
902522,600289,53.8,R12.2,
R,3,67,4
902490,600399,56.7,R12.3
R,4,67,4
902508,600491,47.7,R12.4
R,5,67,4
902511,600545,46,R12.5
R,6,67,4
902443,600710,47.9,R12.6
R,7,67,4
902440,600776,46.3,R12.7
R,8,67,4
902394,600812,57.8,R12.8
R,9,67,4
902395,600873,49.3,R12.9
R,10,67,4

902342,600917,51.4,R12.10
R,11,67,4
902357,600957,44.1,R12.11
R,12,67,4
902388,601050,35.2,R12.12
R,13,67,4
902286,601077,52.2,R12.13
R,14,67,4
902344,601141,34.8,R12.14
R,15,67,4
902287,601169,45.3,R12.15
R,16,67,4
902317,601246,32.2,R12.16
R,17,67,4
902284,601367,27.2,R12.17
R,18,67,4
902242,601367,39.5,R12.18
R,19,67,4
902256,601460,31,R12.19
R,20,67,4
902197,601485,47.5,R12.20
R,21,67,4
902210,601539,45.7,R12.21
R,22,67,4
902221,601668,16.8,R12.22
R,23,67,4
902175,601785,15.5,R12.23
R,24,67,4
902155,601855,14.8,R12.24
R,25,67,4
902184,601883,13.7,R12.25
R,26,67,4
902156,601944,14.1,R12.26
R,27,67,4
902091,602010,46.4,R12.27
R,28,67,4
902086,602099,31.6,R12.28
R,29,67,4
902078,602159,25.3,R12.29
R,30,67,4
902006,602197,23.9,R12.30
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
12 - LEUCADIA TO LA COSTA WEST CALIBRATION,

1

BARRIER DATA
****

BAR ELE		0	1	2	3	4	5	6	7	BARRIER HEIGHTS ID	BAR LENGTH	TYPE
1	-	0.*								B5.3	272.3	
2	-	0.*								B5.4	185.9	
3	-	0.*								B5.5	163.9	
4	-	0.*								B5.6	.0	
5	-	0.*								B5.6	350.8	
6	-	0.*								B5.8	167.4	
7	-	0.*								B5.9	94.7	
8	-	0.*								B21.1	157.5	
9	-	0.*								B21.2	89.7	
10	-	0.*								B21.3	160.8	
11	-	0.*								B21.4	57.3	
12	-	0.*								B2.1	192.1	
13	-	0.*								B2.2	198.6	
14	-	0.*								B2.3	133.3	
15	-	0.*								B2.4	262.2	
16	-	0.*								B2.5	127.3	
17	-	0.*								B2.6	245.9	
18	-	0.*								B2.7	194.3	
19	-	0.*								B2.8	194.9	
20	-	0.*								B2.9	209.4	
21	-	3.*								B57.7	384.4	
22	-	3.*								B57.8	381.9	
23	-	3.*								B57.9	418.7	
24	-	3.*								B58.1	392.2	
25	-	3.*								B58.2	421.9	
26	-	3.*								B58.3	408.9	
27	-	3.*								B58.4	398.0	
28	-	3.*								B58.5	412.1	
29	-	3.*								B58.6	418.7	
30	-	3.*								B58.7	365.2	
31	-	3.*								B58.8	333.5	
32	-	3.*								B58.9	312.0	
33	-	0.*								B3.1	173.2	
34	-	0.*								B3.2	111.4	
35	-	0.*								B3.3	109.7	
36	-	0.*								B3.4	92.7	
37	-	0.*								B3.5	96.7	
38	-	0.*								B3.6	211.8	

39	- 0.*	B3.7	206.9
40	- 0.*	B3.8	327.1
41	- 0.*	B3.9	314.5
42	- 0.*	B4.1	296.9
43	- 0.*	B4.2	192.6
44	- 0.*	B4.3	179.1
45	- 0.*	B4.4	300.9
46	- 0.*	B4.5	209.3
47	- 0.*	B4.6	216.5
48	- 0.*	B4.7	315.3
49	- 0.*	B4.8	187.4
50	- 0.*	B4.9	187.1
51	- 0.*	B45.1	284.9
52	- 0.*	B45.2	195.2
53	- 0.*	B45.3	134.1
54	- 0.*	B45.4	131.0
55	- 10.*	B6.1	220.7
56	- 10.*	B6.2	373.6
57	- 10.*	B6.3	141.4
58	- 10.*	B6.4	128.1
59	- 11.*	B6.5	2.3
60	- 12.*	B6.5	136.6
61	- 12.*	B6.6	69.6
62	- 0.*	B7.1	230.8
63	- 0.*	B7.2	226.2
64	- 0.*	B7.3	176.1
65	- 0.*	B7.4	88.5
66	- 0.*	B7.5	110.3
67	- 0.*	B7.6	114.9
68	- 0.*	B7.7	105.6
69	- 0.*	B7.8	227.4
70	- 0.*	B7.9	134.7
71	- 0.*	B14.1	243.8
72	- 0.*	B14.2	252.4
73	- 0.*	B14.3	137.0
74	- 0.*	B14.4	166.4
75	- 0.*	B14.5	91.0
76	- 0.*	B14.6	142.5
77	- 0.*	B15.1	275.4
78	- 0.*	B15.2	267.0
79	- 0.*	B15.3	207.6
80	- 3.*	B59.1	303.3
81	- 3.*	B59.2	364.5
82	- 3.*	B59.3	308.0
83	- 3.*	B59.4	363.8
84	- 3.*	B59.5	381.3
85	- 3.*	B59.6	368.5
86	- 3.*	B59.7	364.5
87	- 3.*	B59.8	363.8

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88    -  3.*                        B59.9     299.3

89    -  3.*                        B60.1     308.2
90    -  3.*                        B60.2     293.1
91    -  3.*                        B60.3     283.3
92    -  3.*                        B60.4     348.0
93    -  3.*                        B60.5     390.4
94    -  3.*                        B60.6     393.2
-------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
---------------------------------
 1  REC 1     67.    500.   68.3
 2  REC 2     67.    500.   73.0
 3  R12.3     67.    500.   73.6
 4  R12.4     67.    500.   75.7
 5  R12.5     67.    500.   77.0
 6  R12.6     67.    500.   75.1
 7  R12.7     67.    500.   76.0
 8  R12.8     67.    500.   74.5
 9  R12.9     67.    500.   74.8
10  R12.10    67.    500.   72.6
11  R12.11    67.    500.   73.3
12  R12.12    67.    500.   74.0
13  R12.13    67.    500.   72.1
14  R12.14    67.    500.   73.1
15  R12.15    67.    500.   72.8
16  R12.16    67.    500.   72.5
17  R12.17    67.    500.   71.2
18  R12.18    67.    500.   72.8
19  R12.19    67.    500.   74.2
20  R12.20    67.    500.   72.3
21  R12.21    67.    500.   74.1
22  R12.22    67.    500.   67.7
23  R12.23    67.    500.   65.6
24  R12.24    67.    500.   69.8
25  R12.25    67.    500.   68.0
26  R12.26    67.    500.   67.7
27  R12.27    67.    500.   74.4
28  R12.28    67.    500.   74.2
29  R12.29    67.    500.   72.9
30  R12.30    67.    500.   67.3
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3.
 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 0. 0. 0. 0.10.10.10.10.11.12.12. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
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12 - Leucadia to La Costa WEST Calibration,
T-L21 - NB Leucadia Off-ramp,1
0,45,0,45,0,45
T-L22 - SB Leucadia On-ramp,2
354,45,18,45,3,45
T-L24 - SB Leucadia Off-ramp,3
0,45,0,45,0,45
T-L23 - NB Leucadia On-ramp,4
0,45,0,45,0,45
T-L4 - SB General Lanes - Outer,5
0,65,0,65,0,65
T-L14 - SB General Lanes - Inner,6
2979,65,108,65,144,65
T-L54 - SB HOV Lanes,7
2979,65,108,65,144,65
T-L53 - NB HOV Lanes,8
3132,65,117,65,105,65
T-L13 - NB General Lanes - Inner,9
3132,65,117,65,105,65
T-L3 - NB General Lanes - Outer,10
0,65,0,65,0,65
T-L6 - SB General Lanes - Outer,11
0,65,0,65,0,65
T-L16 - SB General Lanes - Inner,12
2979,65,108,65,144,65
T-L56 - SB HOV Lanes,13
2979,65,108,65,144,65
T-L55 - NB HOV Lanes,14
3132,65,117,65,105,65
T-L15 - NB General Lanes - Inner,15
3132,65,117,65,105,65
T-L5 - NB General Lanes - Outer,16
0,65,0,65,0,65
T-L26 - SB La Costa On-Ramp,17
0,45,0,45,0,45
T-L25 - NB La Costa Off-Ramp,18
0,45,0,45,0,45
T-L27 - NB La Costa On-Ramp,19
0,45,0,45,0,45
T-L28 - SB La Costa Off-Ramp,20
0,45,0,45,0,45
L21 - NB Leucadia Off-ramp,1
N,902813,599676,46.8,L21.1,
N,902800,599736,47.3,L21.2,
N,902785,599799,47.8,L21.3,
N,902770,599898,48.2,L21.4,
N,902762,599957,49.4,L21.5,
N,902759,600015,50.8,L21.6,
N,902761,600057,51.8,L21.7
N,902764,600106,53.3,L21.8
L22 - SB Leucadia On-ramp,2,
N,902760,599661,46.8,L22.1
N,902741,599727,47.5,L22.2
N,902721,599804,48,L22.3
N,902693,599891,48.1,L22.4
N,902667,599966,49.7,L22.5

N,902644,600031,51.3,L22.6
N,902614,600105,53.7,L22.7
L24 - SB Leucadia Off-ramp,3,
N,902607,600143,53.9,L24.1
N,902603,600189,52.2,L24.2
N,902596,600248,48.3,L24.3
N,902589,600306,44.7,L24.4
N,902582,600347,43.3,L24.5
N,902570,600426,42.4,L24.6
N,902563,600466,42,L24.7
N,902546,600540,41.3,L24.8
L23 - NB Leucadia On-ramp,4,
N,902728,600187,53,L23.1
N,902714,600184,52.8,L23.2
N,902700,600191,52,L23.3
N,902694,600209,51.2,L23.4
N,902682,600268,46.9,L23.5
N,902676,600290,45,L23.6
N,902664,600326,43.9,L23.7
N,902646,600383,43,L23.8
N,902630,600441,42.4,L23.9
N,902615,600500,41.7,L23.10
N,902600,600549,41.3,L23.11
L4 - SB General Lanes - Outer,5,
N,902742,599738,47.8,L4.1
N,902724,599817,48.3,L4.2
N,902697,599932,48.3,L4.3
N,902668,600051,47.3,L4.4
N,902637,600175,45.7,L4.5
N,902609,600291,44.3,L4.6
N,902578,600418,42.7,L4.7
N,902546,600540,41.3,L4.8
N,902518,600655,39.8,L4.9
N,902489,600777,38.3,L4.10
N,902459,600901,36.8,L4.11
N,902432,601010,35.5,L4.12
N,902408,601107,33.3,L4.13
N,902385,601199,31.3,L4.14
N,902364,601289,29.3,L4.15
L14 - SB General Lanes - Inner,6,
N,902749,599740,47.8,L14.1
N,902731,599819,48.3,L14.2
N,902703,599935,48.3,L14.3
N,902674,600053,47.3,L14.4
N,902644,600177,45.7,L14.5
N,902615,600293,44.3,L14.6
N,902584,600420,42.7,L14.7
N,902556,600542,41.3,L14.8
N,902527,600657,39.8,L14.9
N,902497,600779,38.3,L14.10
N,902467,600902,36.8,L14.11
N,902440,601012,35.5,L14.12
N,902417,601109,33.3,L14.13
N,902394,601202,31.3,L14.14
N,902372,601291,29.3,L14.15
L54 - SB HOV Lanes,7,

N,902759,599742,48,L54.1
N,902740,599823,48.5,L54.2
N,902712,599939,48.5,L54.3
N,902684,600056,47.5,L54.4
N,902653,600179,46,L54.5
N,902625,600294,44.5,L54.6
N,902594,600423,43,L54.7
N,902564,600544,41.5,L54.8
N,902537,600659,40,L54.9
N,902507,600781,38.5,L54.10
N,902477,600904,37,L54.11
N,902449,601015,35.5,L54.12
N,902427,601113,33.5,L54.13
N,902404,601205,31.5,L54.14
N,902382,601293,29.5,L54.15
L53 - NB HOV Lanes,8,
N,902774,599752,48,L53.1
N,902755,599832,48.5,L53.2
N,902727,599945,48.5,L53.3
N,902700,600058,47.5,L53.4
N,902670,600182,46,L53.5
N,902641,600298,44.5,L53.6
N,902611,600423,43,L53.7
N,902582,600543,41.5,L53.8
N,902553,600663,40,L53.9
N,902524,600786,38.5,L53.10
N,902494,600909,37,L53.11
N,902467,601016,35.5,L53.12
N,902442,601116,33.5,L53.13
N,902420,601207,31.5,L53.14
N,902398,601296,29.5,L53.15
L13 - NB General Lanes - Inner,9,
N,902784,599756,47.8,L13.1
N,902764,599835,48.3,L13.2
N,902737,599948,48.3,L13.3
N,902710,600061,47.3,L13.4
N,902681,600184,45.7,L13.5
N,902651,600301,44.3,L13.6
N,902621,600426,42.7,L13.7
N,902591,600546,41.3,L13.8
N,902563,600665,39.8,L13.9
N,902533,600787,38.3,L13.10
N,902502,600911,36.8,L13.11
N,902475,601018,35.5,L13.12
N,902452,601118,33.3,L13.13
N,902430,601209,31.3,L13.14
N,902408,601298,29.3,L13.15
L3 - NB General Lanes - Outer,10,
N,902790,599758,47.8,L3.1
N,902771,599836,48.3,L3.2
N,902743,599949,48.3,L3.3
N,902716,600063,47.3,L3.4
N,902687,600185,45.7,L3.5
N,902657,600303,44.3,L3.6
N,902628,600429,42.7,L3.7
N,902600,600549,41.3,L3.8

N,902571,600668,39.8,L3.9
N,902542,600790,38.3,L3.10
N,902510,600914,36.8,L3.11
N,902485,601022,35.5,L3.12
N,902460,601120,33.3,L3.13
N,902439,601212,31.3,L3.14
N,902417,601300,29.3,L3.15
L6 - SB General Lanes - Outer,11,
N,902364,601289,29.3,L6.1
N,902338,601398,26.8,L6.2
N,902316,601489,24.8,L6.3
N,902289,601596,22.3,L6.4
N,902265,601707,19.8,L6.5
N,902237,601818,17.3,L6.6
N,902211,601928,14.8,L6.7
N,902183,602034,12.3,L6.8
N,902162,602122,10.3,L6.9
N,902134,602205,8.3,L6.10
N,902100,602285,6.2,L6.11
N,902061,602363,4.8,L6.12
N,902011,602457,4.2,L6.13
N,901955,602562,4.5,L6.14
N,901898,602668,4.8,L6.15
L16 - SB General Lanes - Inner,12,
N,902372,601291,29.3,L16.1
N,902346,601400,26.8,L16.2
N,902323,601491,24.8,L16.3
N,902298,601599,22.3,L16.4
N,902272,601709,19.8,L16.5
N,902245,601821,17.3,L16.6
N,902218,601930,14.8,L16.7
N,902192,602036,12.3,L16.8
N,902169,602124,10.3,L16.9
N,902140,602209,8.3,L16.10
N,902109,602290,6.2,L16.11
N,902069,602367,4.8,L16.12
N,902019,602462,4.2,L16.13
N,901962,602567,4.5,L16.14
N,901906,602672,4.8,L16.15
L56 - SB HOV Lanes,13,
N,902382,601293,29.5,L56.1
N,902355,601405,27,L56.2
N,902333,601494,25,L56.3
N,902308,601602,22.5,L56.4
N,902282,601713,20,L56.5
N,902255,601824,17.5,L56.6
N,902228,601932,15,L56.7
N,902201,602039,12.5,L56.8
N,902180,602127,10.5,L56.9
N,902151,602213,8.5,L56.10
N,902117,602294,6.5,L56.11
N,902077,602372,5,L56.12
N,902028,602467,4.3,L56.13
N,901971,602571,4.7,L56.14
N,901915,602676,4.9,L56.15
L55 - NB HOV Lanes,14,

N,902398,601296,29.5,L55.1
N,902373,601403,27,L55.2
N,902351,601494,25,L55.3
N,902324,601604,22.5,L55.4
N,902299,601714,20,L55.5
N,902270,601826,17.5,L55.6
N,902245,601933,15,L55.7
N,902219,602044,12.5,L55.8
N,902195,602133,10.5,L55.9
N,902164,602226,8.5,L55.10
N,902130,602306,6.5,L55.11
N,902092,602382,5,L55.12
N,902041,602474,4.3,L55.13
N,901986,602580,4.7,L55.14
N,901929,602686,4.9,L55.15
L15 - NB General Lanes - Inner,15,
N,902408,601298,29.3,L15.1
N,902382,601406,26.8,L15.2
N,902359,601496,24.8,L15.3
N,902333,601606,22.3,L15.4
N,902309,601716,19.8,L15.5
N,902280,601828,17.3,L15.6
N,902254,601933,14.8,L15.7
N,902227,602045,12.4,L15.8
N,902204,602137,10.7,L15.9
N,902173,602231,8.7,L15.10
N,902138,602311,6.7,L15.11
N,902100,602387,5.1,L15.12
N,902051,602480,4.2,L15.13
N,901993,602585,4.5,L15.14
N,901937,602691,4.8,L15.15
L5 - NB General Lanes - Outer,16,
N,902417,601300,29.3,L5.1
N,902390,601408,26.8,L5.2
N,902369,601498,24.8,L5.3
N,902342,601609,22.3,L5.4
N,902316,601718,19.8,L5.5
N,902289,601831,17.3,L5.6
N,902264,601936,14.8,L5.7
N,902236,602048,12.4,L5.8
N,902212,602141,10.7,L5.9
N,902181,602234,8.7,L5.10
N,902146,602314,6.7,L5.11
N,902108,602391,5.1,L5.12
N,902057,602485,4.2,L5.13
N,902000,602590,4.5,L5.14
N,901944,602696,4.8,L5.15
L26 - SB La Costa On-Ramp,17,
N,902265,601707,19.8,L26.1
N,902229,601825,16.9,L26.2
N,902209,601901,15,L26.3
N,902192,601960,13.6,L26.4
N,902163,602033,11.8,L26.5
N,902145,602070,12.3,L26.6
N,902097,602161,17.4,L26.7
N,902072,602211,19.2,L26.8

L25 - NB La Costa Off-Ramp,18,
N,902289,601831,17.3,L25.1
N,902274,601917,15,L25.2
N,902265,601977,13.5,L25.3
N,902256,602036,12.3,L25.4
N,902253,602077,12,L25.5
N,902247,602116,12.8,L25.6
N,902234,602194,15,L25.7
N,902223,602241,15.5,L25.8
L27 - NB La Costa On-Ramp,19,
N,902201,602284,13.5,L27.1
N,902153,602352,7.3,L27.2
N,902120,602403,4.6,L27.3
N,902089,602453,3.8,L27.4
N,902045,602522,3.8,L27.5
N,902017,602574,4,L27.6
N,901986,602628,4.4,L27.7
N,901944,602696,4.8,L27.8
L28 - SB La Costa Off-Ramp,20,
N,902054,602260,18,L28.1
N,902029,602335,13.6,L28.2
N,902002,602411,9,L28.3
N,901966,602504,4.5,L28.4
N,901950,602541,3.9,L28.5
N,901919,602614,4.2,L28.6
N,901898,602668,4.8,L28.7
B5 - SB Shld ,1,2,0,0
902701,599835,50,50,B5.3
902679,599915,52,52,B5.4
902659,599968,53.2,53.2,B5.5
902642,600015,52,52,B5.6
902642,600015,52,52,B5.6
902593,600110,54.2,54.2,B5.8
902644,600112,54,54,B5.9
902637,600140,54,54,B5.10
B21 - Nat Bar Leucadia Bridge,2,2,0,0
902637,600140,54,54,B21.1
902589,600139,54,54,B21.2
902585,600166,55.5,55.5,B21.3
902583,600215,55,55,B21.4
902583,600231,48,48,B21.5
B2 - SB Shoulder ST 697 to 703,3,2,0,0
902599,600189,52.2,52.2,B2.1
902592,600247,48.3,48.3,B2.2
902585,600307,44.7,44.7,B2.3
902578,600347,43.3,43.3,B2.4
902566,600426,42.4,42.4,B2.5
902558,600464,42,42,B2.6
902541,600537,41.3,41.3,B2.7
902525,600594,40.5,40.5,B2.8
902512,600652,39.8,39.8,B2.9
902497,600714,39,39,B2.10
B57 - Center Divider,4,2,0,0
902747,599830,48.5,49.5,B57.7
902720,599944,48.5,49.5,B57.8
902692,600057,47.5,48.5,B57.9

902662,600181,46,47,B57.10
B58 - Center Divider,5,2,0,0
902662,600181,46,47,B58.1
902633,600297,44.5,45.5,B58.2
902603,600422,43,44,B58.3
902573,600543,41.5,42.5,B58.4
902545,600661,40,41,B58.5
902515,600783,38.5,39.5,B58.6
902485,600907,37,38,B58.7
902458,601015,35.5,36.5,B58.8
902435,601114,33.5,34.5,B58.9
902411,601206,31.5,32.5,B58.10
B3 - SB ROW to Shoulder ST 703 to 708,6,2,0,0
902497,600714,39,39,B3.1
902475,600762,40,40,B3.2
902467,600795,40,40,B3.3
902462,600828,38,38,B3.4
902459,600856,35.5,35.5,B3.5
902454,600885,37,37,B3.6
902440,600948,36.1,36.1,B3.7
902424,601009,35.3,35.3,B3.8
902401,601106,33.3,33.3,B3.9
902378,601199,31.3,31.3,B3.10
B4 - SB Shoulder ST 708 to 715,7,2,0,0
902378,601199,31.3,31.3,B4.1
902357,601287,29.3,29.3,B4.2
902343,601344,28.1,28.1,B4.3
902330,601397,26.8,26.8,B4.4
902308,601486,24.8,24.8,B4.5
902293,601548,23.5,23.5,B4.6
902277,601612,22.3,22.3,B4.7
902257,601706,19.8,19.8,B4.8
902242,601761,16.9,16.9,B4.9
902227,601816,15,15,B4.10
B45 - SB Shoulder of La Costa On-Ramp,8,2,0,0
902227,601816,16.9,16.9,B45.1
902205,601900,15,15,B45.2
902188,601957,13.6,13.6,B45.3
902173,601995,12.7,12.7,B45.4
902158,602032,11.8,11.8,B45.5
B6 - 10 to 12' Prop Wall SB Side ST 713 to 716,9,2,0,0
902253,601662,17.5,20.5,B6.1
902219,601715,41.2,44.2,B6.2
902192,601822,13,16,B6.3
902195,601865,12.6,15.6,B6.4
902195,601865,12.6,16.6,B6.4
902186,601903,13,17,B6.5
902169,601941,14.2,18.2,B6.6
902160,601960,11.5,15.5,B6.7
B7 - SB Nat Bar La Cost Bridge,10,2,0,0
902175,602044,12,12,B7.1
902146,602108,16,16,B7.2
902114,602169,18,18,B7.3
902090,602217,19.2,19.2,B7.4
902115,602227,17.3,17.3,B7.5
902102,602258,16.8,16.8,B7.6

902067,602258,18.3,18.3,B7.7
902035,602255,20,20,B7.8
902011,602320,20,20,B7.9
901981,602348,19,19,B7.10
B14 - SB Nat Bar R13.1 to 13.2,11,2,0,0
901981,602348,19,19,B14.1
901930,602402,20.5,20.5,B14.2
901896,602471,22,22,B14.3
901881,602510,22,22,B14.4
901868,602559,22,22,B14.5
901862,602586,20,20,B14.6
901820,602575,20,20,B14.7
B15 - Nat Bar La Costa SB Off-ramp,12,2,0,0
902067,602258,18,18,B15.1
902039,602337,13.6,13.6,B15.2
902013,602414,9,9,B15.3
901993,602474,6.5,6.5,B15.4
B59 - Center Divider,13,2,0,0
902411,601206,31.5,32.5,B59.1
902390,601296,29.5,30.5,B59.2
902364,601404,27,28,B59.3
902341,601495,25,26,B59.4
902316,601603,22.5,23.5,B59.5
902289,601716,20,21,B59.6
902262,601825,17.5,18.5,B59.7
902236,601933,15,16,B59.8
902211,602041,12.5,13.5,B59.9
902187,602129,10.5,11.5,B59.10
B60 - Center Divider,14,2,0,0
902187,602129,10.5,11.5,B60.1
902157,602218,8.5,9.5,B60.2
902124,602301,6.5,7.5,B60.3
902085,602378,5,6,B60.4
902034,602471,4.3,5.3,B60.5
901978,602576,4.7,5.7,B60.6
901922,602682,4.9,5.9,B60.7
R,1,67,4,
902519,600172,56,R12.1,
R,2,67,4,
902522,600289,53.8,R12.2,
R,3,67,4
902490,600399,56.7,R12.3
R,4,67,4
902508,600491,47.7,R12.4
R,5,67,4
902511,600545,46,R12.5
R,6,67,4
902443,600710,47.9,R12.6
R,7,67,4
902440,600776,46.3,R12.7
R,8,67,4
902394,600812,57.8,R12.8
R,9,67,4
902395,600873,49.3,R12.9
R,10,67,4
902342,600917,51.4,R12.10

R,11,67,4
902357,600957,44.1,R12.11
R,12,67,4
902388,601050,35.2,R12.12
R,13,67,4
902286,601077,52.2,R12.13
R,14,67,4
902344,601141,34.8,R12.14
R,15,67,4
902287,601169,45.3,R12.15
R,16,67,4
902317,601246,32.2,R12.16
R,17,67,4
902284,601367,27.2,R12.17
R,18,67,4
902242,601367,39.5,R12.18
R,19,67,4
902256,601460,31,R12.19
R,20,67,4
902197,601485,47.5,R12.20
R,21,67,4
902210,601539,45.7,R12.21
R,22,67,4
902221,601668,16.8,R12.22
R,23,67,4
902175,601785,15.5,R12.23
R,24,67,4
902155,601855,14.8,R12.24
R,25,67,4
902184,601883,13.7,R12.25/S12.6
R,26,67,4
902156,601944,14.1,R12.26
R,27,67,4
902091,602010,46.4,R12.27
R,28,67,4
902086,602099,31.6,R12.28
R,29,67,4
902078,602159,25.3,R12.29
R,30,67,4
902006,602197,23.9,R12.30
D,4.5
ALL,ALL
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
12 - LEUCADIA TO LA COSTA WEST CALIBRATION,

1

BARRIER DATA
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BAR ELE	0		1	2	3	4	5	6	7	BARRIER HEIGHTS ID	BAR LENGTH	TYPE
1	-	0.*								B5.3	272.3	
2	-	0										
T-L55 - NB Future HOV Lanes,4, 3224,65,78,6.*										B5.4	185.9	
3	-	0.*								B5.5	163.9	
4	-	0.*								B5.6	.0	
5	-	0.*								B5.6	350.8	
6	-	0.*								B5.8	167.4	
7	-	0.*								B5.9	94.7	
8	-	0.*								B21.1	157.5	
9	-	0.*								B21.2	89.7	
10	-	0.*								B21.3	160.8	
11	-	0.*								B21.4	57.3	
12	-	0.*								B2.1	192.1	
13	-	0.*								B2.2	198.6	
14	-	0.*								B2.3	133.3	
15	-	0.*								B2.4	262.2	
16	-	0.*								B2.5	127.3	
17	-	0.*								B2.6	245.9	
18	-	0.*								B2.7	194.3	
19	-	0.*								B2.8	194.9	
20	-	0.*								B2.9	209.4	
21	-	3.*								B57.7	384.4	
22	-	3.*								B57.8	381.9	
23	-	3.*								B57.9	418.7	
24	-	3.*								B58.1	392.2	
25	-	3.*								B58.2	421.9	
26	-	3.*								B58.3	408.9	
27	-	3.*								B58.4	398.0	
28	-	3.*								B58.5	412.1	
29	-	3.*								B58.6	418.7	
30	-	3.*								B58.7	365.2	
31	-	3.*								B58.8	333.5	
32	-	3.*								B58.9	312.0	
33	-	0.*								B3.1	173.2	
34	-	0.*								B3.2	111.4	
35	-	0.*								B3.3	109.7	
36	-	0.*								B3.4	92.7	

37	-	0.*	B3.5	96.7
38	-	0.*	B3.6	211.8
39	-	0.*	B3.7	206.9
40	-	0.*	B3.8	327.1
41	-	0.*	B3.9	314.5
42	-	0.*	B4.1	296.9
43	-	0.*	B4.2	192.6
44	-	0.*	B4.3	179.1
45	-	0.*	B4.4	300.9
46	-	0.*	B4.5	209.3
47	-	0.*	B4.6	216.5
48	-	0.*	B4.7	315.3
49	-	0.*	B4.8	187.4
50	-	0.*	B4.9	187.1
51	-	0.*	B45.1	284.9
52	-	0.*	B45.2	195.2
53	-	0.*	B45.3	134.1
54	-	0.*	B45.4	131.0
55	-	10.*	B6.1	220.7
56	-	10.*	B6.2	373.6
57	-	10.*	B6.3	141.4
58	-	12.*	B6.4	3.3
59	-	13.*	B6.4	128.1
60	-	13.*	B6.5	136.6
61	-	13.*	B6.6	69.6
62	-	0.*	B7.1	230.8
63	-	0.*	B7.2	226.2
64	-	0.*	B7.3	176.1
65	-	0.*	B7.4	88.5
66	-	0.*	B7.5	110.3
67	-	0.*	B7.6	114.9
68	-	0.*	B7.7	105.6
69	-	0.*	B7.8	227.4
70	-	0.*	B7.9	134.7
71	-	0.*	B14.1	243.8
72	-	0.*	B14.2	252.4
73	-	0.*	B14.3	137.0
74	-	0.*	B14.4	166.4
75	-	0.*	B14.5	91.0
76	-	0.*	B14.6	142.5
77	-	0.*	B15.1	275.4
78	-	0.*	B15.2	267.0
79	-	0.*	B15.3	207.6
80	-	3.*	B59.1	303.3
81	-	3.*	B59.2	364.5
82	-	3.*	B59.3	308.0
83	-	3.*	B59.4	363.8
84	-	3.*	B59.5	381.3
85	-	3.*	B59.6	368.5

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86    -  3.*                        B59.7     364.5
87    -  3.*                        B59.8     363.8
88    -  3.*                        B59.9     299.3

89    -  3.*                        B60.1     308.2
90    -  3.*                        B60.2     293.1
91    -  3.*                        B60.3     283.3
92    -  3.*                        B60.4     348.0
93    -  3.*                        B60.5     390.4
94    -  3.*                        B60.6     393.2
--------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
---------------------------------
 1  REC 1     67.    500.   66.4
 2  REC 2     67.    500.   70.4
 3  R12.3     67.    500.   70.2
 4  R12.4     67.    500.   73.1
 5  R12.5     67.    500.   74.8
 6  R12.6     67.    500.   72.2
 7  R12.7     67.    500.   73.3
 8  R12.8     67.    500.   70.5
 9  R12.9     67.    500.   71.6
10  R12.10    67.    500.   69.0
11  R12.11    67.    500.   70.4
12  R12.12    67.    500.   74.0
13  R12.13    67.    500.   68.1
14  R12.14    67.    500.   72.3
15  R12.15    67.    500.   69.3
16  R12.16    67.    500.   71.9
17  R12.17    67.    500.   70.7
18  R12.18    67.    500.   69.4
19  R12.19    67.    500.   71.6
20  R12.20    67.    500.   68.2
21  R12.21    67.    500.   69.9
22  R12.22    67.    500.   67.8
23  R12.23    67.    500.   65.2
24  R12.24    67.    500.   69.4
25  R12.25/S  67.    500.   65.8
26  R12.26    67.    500.   67.1
27  R12.27    67.    500.   69.6
28  R12.28    67.    500.   70.7
29  R12.29    67.    500.   70.7
30  R12.30    67.    500.   65.6
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3.
 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 0. 0. 0. 0.10.10.10.12.13.13.13. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
```

Segment 13
13 La Costa to Poinsettia ST 13.3 Calibration
T-L6 - SB General Lanes - Outer,1,
0,65,0,65,0,55,
T-L16 - SB General Lanes - Inner,2,
2792,65,86,65,71,55,
T-L56 - SB Future HOV Lanes,3,
2792,65,86,65,71,55,5,122,55,
T-L15 - NB General Lanes - Inner,5,
3224,65,78,65,122,55,
T-L5 - NB General Lanes - Outer,6,
0,65,0,65,0,55,
T-L26 - SB La Costa On-ramp,7,
537,45,33,45,15,45,
T-L25 - NB La Costa Off-ramp,8,
0,45,0,45,0,45
T-L27 - NB La Costa On-ramp,9
0,45,0,45,0,45
T-L28 - SB La Costa Off-ramp,10
0,45,0,45,0,45
T-L8 - SB General Lanes - Outer,11
0,65,0,65,0,55
T-L18 - SB General Lanes - Inner,12
2792,65,86,65,71,55
T-L58 - SB Future HOV Lanes,13
2792,65,86,65,71,55
T-L57 - NB Future HOV Lanes,14
3224,65,78,65,122,55
T-L17 - NB General Lanes - Inner,15
3224,65,78,65,122,55
T-L7 - NB General Lanes - Outer,16
0,65,0,65,0,55
T-L30 - SB Poinsettia On-ramp,17
0,45,0,45,0,45
T-L29 - NB Poinsettia Off-ramp,18
681,45,18,45,24,45
T-L31 - NB Poinsettia On-ramp,19
0,45,0,45,0,45
T-L32 - SB Poinsettia Off-ramp,20
0,45,0,45,0,45
T-L10 - SB General Lanes - Outer,21
0,65,0,65,0,55
T-L20 - SB General Lanes - Inner,22
2792,65,86,65,71,55
T-L60 - SB Future HOV Lanes,23
2792,65,86,65,71,55
T-L59 - NB Future HOV Lanes,24
3224,65,78,65,122,55
T-L19 - NB General Lanes - Inner,25
3224,65,78,65,122,55
T-L9 - NB General Lanes - Outer,26
0,65,0,65,0,55
L6 - SB General Lanes - Outer,1
N,902237,601818,17.3,L6.6,
N,902211,601928,14.9,L6.7,
N,902183,602034,12.3,L6.8,

N,902162,602122,10.3,L6.9,
N,902134,602205,8.3,L6.10,
N,902100,602285,6.2,L6.11,
N,902061,602363,4.8,L6.12,
N,902011,602457,4.2,L6.13,
N,901955,602562,4.5,L6.14,
N,901898,602668,4.8,L6.15,
L16 - SB General Lanes - Inner,2,
N,902245,601821,17.3,L16.6
N,902218,601930,14.9,L16.7
N,902192,602036,12.3,L16.8
N,902169,602124,10.3,L16.9
N,902140,602209,8.3,L16.10
N,902109,602290,6.2,L16.11
N,902069,602367,4.8,L16.12
N,902019,602462,4.2,L16.13
N,901962,602567,4.5,L16.14
N,901906,602672,4.8,L16.15
L56 - SB Future HOV Lanes,3,
N,902255,601824,17.5,L56.6
N,902228,601932,15,L56.7
N,902201,602039,12.5,L56.8
N,902180,602127,10.5,L56.9
N,902151,602213,8.5,L56.10
N,902117,602294,6.5,L56.11
N,902077,602372,5,L56.12
N,902028,602467,4.3,L56.13
N,901971,602571,4.7,L56.14
N,901915,602676,4.9,L56.15
L55 - NB Future HOV Lanes,4,
N,902270,601826,17.5,L55.6
N,902245,601933,15,L55.7
N,902219,602044,12.5,L55.8
N,902195,602133,10.5,L55.9
N,902164,602226,8.5,L55.10
N,902130,602306,6.5,L55.11
N,902092,602382,5,L55.12
N,902041,602474,4.3,L55.13
N,901986,602580,4.7,L55.14
N,901929,602686,4.9,L55.15
L15 - NB General Lanes - Inner,5,
N,902280,601828,17.3,L15.6
N,902254,601933,14.4,L15.7
N,902227,602045,12.4,L15.8
N,902204,602137,10.1,L15.9
N,902173,602231,8.7,L15.10
N,902138,602311,6.7,L15.11
N,902100,602387,5.1,L15.12
N,902051,602480,4.2,L15.13
N,901993,602585,4.5,L15.14
N,901937,602691,4.8,L15.15
L5 - NB General Lanes - Outer,6,
N,902289,601831,17.3,L5.6
N,902264,601936,14.4,L5.7
N,902236,602048,12.4,L5.8
N,902212,602141,10.1,L5.9

N,902181,602234,8.7,L5.10
N,902146,602314,6.7,L5.11
N,902108,602391,5.1,L5.12
N,902057,602485,4.2,L5.13
N,902000,602590,4.5,L5.14
N,901944,602696,4.8,L5.15
L26 - SB La Costa On-ramp,7,
N,902265,601707,19.8,L26.1
N,902229,601825,16.9,L26.2
N,902209,601901,15,L26.3
N,902192,601960,13.6,L26.4
N,902163,602033,11.8,L26.5
N,902145,602070,12.3,L26.6
N,902097,602161,17.4,L26.7
N,902072,602211,19.2,L26.8
L25 - NB La Costa Off-ramp,8,
N,902289,601831,17.3,L25.1
N,902274,601917,15,L25.2
N,902265,601977,13.5,L25.3
N,902256,602036,12.3,L25.4
N,902253,602077,12,L25.5
N,902247,602116,12.8,L25.6
N,902234,602194,15,L25.7
N,902223,602241,15.5,L25.8
L27 - NB La Costa On-ramp,9,
N,902201,602284,13.5,L27.1
N,902153,602352,7.3,L27.2
N,902120,602403,4.6,L27.3
N,902089,602453,3.8,L27.4
N,902045,602522,3.8,L27.5
N,902017,602574,4,L27.6
N,901986,602628,4.4,L27.7
N,901944,602696,4.8,L27.8
L28 - SB La Costa Off-ramp,10,
N,902054,602260,18,L28.1
N,902029,602335,13.6,L28.2
N,902002,602411,9,L28.3
N,901966,602504,4.5,L28.4
N,901950,602541,3.9,L28.5
N,901919,602614,4.2,L28.6
N,901898,602668,4.8,L28.7
L8 - SB General Lanes - Outer,11,
N,901898,602668,4.8,L8.1
N,901850,602758,4.9,L8.2
N,901805,602844,5.7,L8.3
N,901753,602939,7.8,L8.4
N,901705,603028,9.8,L8.5
N,901660,603113,11.8,L8.6
N,901618,603191,13.8,L8.7
N,901564,603293,16.3,L8.8
N,901511,603394,18.8,L8.9
N,901454,603499,21.3,L8.10
N,901408,603584,23.3,L8.11
N,901367,603665,25.3,L8.12
N,901310,603768,27.3,L8.13
N,901266,603851,28.3,L8.14

N,901234,603912,28.3,L8.15
L18 - SB General Lanes - Inner,12,
N,901906,602672,4.8,L18.1
N,901858,602763,4.9,L18.2
N,901812,602847,5.7,L18.3
N,901761,602943,7.8,L18.4
N,901713,603032,9.8,L18.5
N,901667,603117,11.8,L18.6
N,901627,603195,13.8,L18.7
N,901572,603297,16.3,L18.8
N,901519,603398,18.8,L18.9
N,901462,603504,21.3,L18.10
N,901416,603588,23.3,L18.11
N,901373,603669,25.3,L18.12
N,901318,603773,27.3,L18.13
N,901275,603854,28.3,L18.14
N,901242,603917,28.3,L18.15
L58 - SB Future HOV Lanes,13,
N,901915,602676,4.9,L58.1
N,901866,602767,5.1,L58.2
N,901821,602852,6,L58.3
N,901770,602947,8,L58.4
N,901722,603036,10,L58.5
N,901675,603125,12,L58.6
N,901635,603199,14,L58.7
N,901581,603301,16.5,L58.8
N,901527,603402,19,L58.9
N,901470,603507,21.5,L58.10
N,901425,603593,23.5,L58.11
N,901381,603675,25.5,L58.12
N,901327,603776,27.5,L58.13
N,901282,603860,28.4,L58.14
N,901250,603921,28.6,L58.15
L57 - NB Future HOV Lanes,14,
N,901929,602686,4.9,L57.1
N,901882,602774,5.1,L57.2
N,901834,602862,6,L57.3
N,901783,602957,8,L57.4
N,901737,603045,10,L57.5
N,901692,603128,12,L57.6
N,901650,603207,14,L57.7
N,901597,603307,16.5,L57.8
N,901543,603408,19,L57.9
N,901485,603514,21.5,L57.10
N,901440,603600,23.5,L57.11
N,901396,603683,25.5,L57.12
N,901341,603786,27.5,L57.13
N,901298,603868,28.4,L57.14
N,901264,603930,28.6,L57.15
L17 - NB General Lanes - Inner,15,
N,901937,602691,4.8,L17.1
N,901889,602780,4.9,L17.2
N,901842,602868,5.7,L17.3
N,901792,602963,7.8,L17.4
N,901745,603049,9.8,L17.5
N,901700,603133,11.8,L17.6

N,901658,603213,13.8,L17.7
N,901605,603312,16.3,L17.8
N,901551,603414,18.8,L17.9
N,901494,603520,21.3,L17.10
N,901449,603605,23.3,L17.11
N,901405,603687,25.3,L17.12
N,901349,603792,27.3,L17.13
N,901306,603874,28.3,L17.14
N,901272,603935,28.3,L17.15
L7 - NB General Lanes - Outer,16,
N,901944,602696,4.8,L7.1
N,901897,602785,4.9,L7.2
N,901850,602872,5.7,L7.3
N,901798,602968,7.8,L7.4
N,901753,603055,9.8,L7.5
N,901709,603136,11.8,L7.6
N,901666,603216,13.8,L7.7
N,901612,603318,16.3,L7.8
N,901558,603417,18.8,L7.9
N,901501,603524,21.3,L7.10
N,901457,603609,23.3,L7.11
N,901413,603692,25.3,L7.12
N,901357,603797,27.3,L7.13
N,901314,603878,28.3,L7.14
N,901280,603940,28.3,L7.15
L30 - SB Poinsettia On-ramp,17,
N,901367,603665,25.3,L30.1
N,901306,603765,27.3,L30.2
N,901262,603849,28.5,L30.3
N,901229,603910,28.3,L30.4
N,901176,604007,27.6,L30.5
N,901127,604094,26.9,L30.6
N,901095,604145,26.4,L30.7
N,901057,604191,25.8,L30.8
N,901030,604220,26,L30.9
N,900992,604252,36.8,L30.10
N,900936,604291,28.2,L30.11
N,900915,604314,28.8,L30.12
N,900902,604341,29.4,L30.13
L29 - NB Poinsettia Off-ramp,18,
N,901413,603692,25.3,L29.1
N,901361,603799,27.3,L29.2
N,901317,603880,28.3,L29.3
N,901284,603941,28.3,L29.4
N,901229,604044,27.7,L29.5
N,901207,604093,27.5,L29.6
N,901169,604184,26.4,L29.7
N,901154,604222,26.8,L29.8
N,901131,604277,28.7,L29.9
N,901110,604332,31.4,L29.10
N,901096,604389,33.2,L29.11
L31 - NB Poinsettia On-ramp,19,
N,901084,604430,33.4,L31.1
N,901067,604456,32.2,L31.2
N,901010,604511,27,L31.3
N,900979,604549,24.6,L31.4

N,900949,604590,23.5,L31.5
N,900915,604640,23.1,L31.6
N,900875,604709,22.8,L31.7
N,900826,604797,22.5,L31.8
N,900763,604907,21.8,L31.9
L32 - SB Poinsettia Off-ramp,20,
N,900889,604383,29.2,L32.1
N,900884,604430,27.6,L32.2
N,900878,604489,25.4,L32.3
N,900866,604547,24.2,L32.4
N,900848,604603,23.2,L32.5
N,900824,604658,22.9,L32.6
N,900808,604698,22.7,L32.7
N,900768,604784,22.3,L32.8
L10 - SB General Lanes - Outer,21,
N,901234,603912,28.3,L10.1
N,901194,603984,28.2,L10.2
N,901134,604096,27.3,L10.3
N,901092,604175,26.8,L10.4
N,901052,604250,26.2,L10.5
N,900997,604355,25.3,L10.6
N,900946,604451,24.8,L10.7
N,900878,604579,23.7,L10.8
N,900827,604676,23.2,L10.9
N,900768,604784,22.3,L10.10
L20 - SB General Lanes - Inner,22,
N,901242,603917,28.3,L20.1
N,901202,603989,28.2,L20.2
N,901142,604101,27.3,L20.3
N,901100,604179,26.8,L20.4
N,901059,604254,26.2,L20.5
N,901004,604359,25.3,L20.6
N,900953,604455,24.8,L20.7
N,900884,604583,23.7,L20.8
N,900833,604679,23.2,L20.9
N,900775,604788,22.3,L20.10
L60 - SB Future HOV Lanes,23,
N,901250,603921,28.6,L60.1
N,901211,603993,28.4,L60.2
N,901151,604106,27.5,L60.3
N,901109,604185,27,L60.4
N,901068,604261,26.5,L60.5
N,901013,604365,25.6,L60.6
N,900960,604462,25,L60.7
N,900893,604589,24,L60.8
N,900841,604685,23.4,L60.9
N,900784,604793,22.5,L60.10
L59 - NB Future HOV Lanes,24,
N,901264,603930,28.6,L59.1
N,901226,604002,28.4,L59.2
N,901166,604114,27.5,L59.3
N,901122,604195,27,L59.4
N,901082,604269,26.5,L59.5
N,901028,604372,25.6,L59.6
N,900975,604471,25,L59.7
N,900906,604598,24,L59.8

N,900856,604693,23.4,L59.9
N,900796,604806,22.5,L59.10
L19 - NB General Lanes - Inner,25,
N,901272,603935,28.3,L19.1
N,901233,604006,28.2,L19.2
N,901175,604118,27.3,L19.3
N,901131,604199,26.8,L19.4
N,901092,604273,26.2,L19.5
N,901037,604377,25.3,L19.6
N,900984,604475,24.8,L19.7
N,900917,604603,23.7,L19.8
N,900865,604698,23.2,L19.9
N,900804,604810,22.3,L19.10
L9 - NB General Lanes - Outer,26,
N,901280,603940,28.3,L9.1
N,901243,604011,28.2,L9.2
N,901183,604122,27.3,L9.3
N,901139,604203,26.8,L9.4
N,901099,604278,26.2,L9.5
N,901044,604380,25.3,L9.6
N,900992,604479,24.8,L9.7
N,900923,604606,23.7,L9.8
N,900873,604702,23.2,L9.9
N,900812,604815,22.3,L9.10
B17 - NB Shoulder ST 725 to 731,1,2,0,0
901856,602877,5.7,5.7,B17.1
901805,602973,7.8,7.8,B17.2
901760,603058,9.8,9.8,B17.3
901715,603141,11.8,11.8,B17.4
901672,603221,13.8,13.8,B17.5
901618,603322,16.3,16.3,B17.6
B60 - Center Divider,2,2,0,0
902187,602129,10.5,11.5,B60.1
902157,602218,8.5,9.5,B60.2
902124,602301,6.5,7.5,B60.3
902085,602378,5,6,B60.4
902034,602471,4.3,5.3,B60.5
901978,602576,4.7,5.7,B60.6
901922,602682,4.9,5.9,B60.7
901874,602771,5.1,6.1,B60.8
901828,602859,6,7,B60.9
901777,602953,8,9,B60.10
B61 - Center Divider,3,2,0,0
901777,602953,8,9,B61.1
901728,603041,10,11,B61.2
901684,603125,12,13,B61.3
901643,603204,14,15,B61.4
901588,603306,16.5,17.5,B61.5
901535,603407,19,20,B61.6
901479,603512,21.5,22.5,B61.7
901433,603597,23.5,24.5,B61.8
901388,603679,25.5,26.5,B61.9
901335,603781,27.5,28.5,B61.10
B8 - Nat Barrier to ROW NB Side,4,2,0,0
901623,603317,12,12,B8.1
901613,603336,20,20,B8.2

901611,603375,28,28,B8.3
901606,603404,34,34,B8.4
901602,603442,41,41,B8.5
901578,603489,42,42,B18.2
901553,603530,41.5,41.5,B18.3
901511,603595,40,40,B18.4
B8 - ROW NB Side,5,2,0,0
901603,603463,41.5,41.5,B8.6
901583,603493,42.1,42.1,B8.7
901535,603567,41,41,B8.8
901484,603651,40,40,B8.9
901451,603707,39.8,39.8,B8.10
B10 - Property Line,6,2,0,0
901609,603519,43.5,43.5,B10.1
901585,603525,43.5,43.5,B10.2
901592,603551,42.8,42.8,B10.3
B9 - NB ROW ST 735 to 739,7,2,0,0
901451,603707,39.8,39.8,B9.1
901420,603762,39.5,39.5,B9.2
901382,603827,39.3,39.3,B9.3
901345,603891,39,39,B9.4
901316,603938,38.2,38.2,B9.5
901291,603975,39,39,B9.6
901260,604021,38,38,B9.7
901241,604051,36,36,B9.8
B11 - Property Line NB Side ST 733 to 736,8,2,0,0
901565,603542,43.2,43.2,B11.1
901534,603589,43,43,B11.2
901500,603645,42.8,42.8,B11.3
901464,603707,42.5,42.5,B11.4
901434,603760,42.6,42.6,B11.5
901392,603834,41.7,41.7,B11.6
901365,603874,41.5,41.5,B11.7
901345,603908,41.4,41.4,B11.8
901315,603957,41.2,41.2,B11.9
901288,603994,41.1,41.1,B11.10
B12 - Property line NB Side - 6' Existing,9,2,0,0
901288,603994,41.1,43,B12.1
901258,604046,41,42.9,B12.2
901235,604096,41.3,43.2,B12.3
901208,604157,40,41.9,B12.4
901191,604197,40.3,42.2,B12.5
901198,604211,40.3,42.2,B12.6
901243,604230,40,41.9,B12.7
B62 - Center Divider ST 736 to 745,10,2,0,0
901335,603781,27.5,28.5,B62.1
901290,603865,28.4,29.4,B62.2
901257,603926,28.6,29.6,B62.3
901218,603998,28.4,29.4,B62.4
901157,604110,27.5,28.5,B62.5
901115,604191,27,28,B62.6
901075,604266,26.5,27.5,B62.7
901019,604369,25.6,26.6,B62.8
900968,604466,25,26,B62.9
900900,604593,24,25,B62.10
R,1,67,4

901883,603300,63.5,R13.17
R,2,67,4
901803,603323,66.5,R13.18
R,3,67,4
901756,603424,10.9,R13.19
R,4,67,4
901719,603433,12,R13.20A
R,5,67,4
901676,603439,13.6,R13.20
R,6,67,4
901591,603527,45,R13.21
R,7,67,4
901574,603531,44.8,ST13.3
R,8,67,4
901529,603604,44.3,R13.22
R,9,67,4
901448,603743,43.5,R13.23
R,10,67,4
901350,603906,42.9,R13.24
R,11,67,4
901270,604033,42.5,R13.25
R,12,67,4
901197,604191,41.8,R13.26
D,4.5
ALL,ALL
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
13 LA COSTA TO POINSETTIA ST 13.3 CALIBRATION

1

BARRIER DATA
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BAR ELE		0	1	2	3	4	5	6	7	BARRIER HEIGHTS ID	BAR LENGTH	TYPE
1	-	0.*								B17.1	356.7	
2	-	0.*								B17.2	315.5	
3	-	0.*								B17.3	309.9	
4	-	0.*								B17.4	298.0	
5	-	0.*								B17.5	375.9	
6	-	3.*								B60.1	308.2	
7	-	3.*								B60.2	293.1	
8	-	3.*								B60.3	283.3	
9	-	3.*								B60.4	348.0	
10	-	3.*								B60.5	390.4	
11	-	3.*								B60.6	393.2	
12	-	3.*								B60.7	331.8	
13	-	3.*								B60.8	325.9	
14	-	3.*								B60.9	350.9	
15	-	3.*								B61.1	330.5	
16	-	3.*								B61.2	311.2	
17	-	3.*								B61.3	292.0	
18	-	3.*								B61.4	380.3	
19	-	3.*								B61.5	374.3	
20	-	3.*								B61.6	390.4	
21	-	3.*								B61.7	317.2	
22	-	3.*								B61.8	306.9	
23	-	3.*								B61.9	377.2	
24	-	0.*								B8.1	75.1	
25	-	0.*								B8.2	130.8	
26	-	0.*								B8.3	98.5	
27	-	0.*								B8.4	127.5	
28	-	0.*								B8.5	173.2	
29	-	0.*								B18.2	157.6	
30	-	0.*								B18.3	253.9	
31	-	0.*								B8.6	118.3	
32	-	0.*								B8.7	289.4	
33	-	0.*								B8.8	322.4	
34	-	0.*								B8.9	213.2	
35	-	0.*								B10.1	81.2	
36	-	0.*								B10.2	88.4	
37	-	0.*								B9.1	207.2	

38	-	0.*	B9.2	247.0
39	-	0.*	B9.3	242.6
40	-	0.*	B9.4	181.2
41	-	0.*	B9.5	146.5
42	-	0.*	B9.6	182.0
43	-	0.*	B9.7	116.7
44	-	0.*	B11.1	184.7
45	-	0.*	B11.2	214.9
46	-	0.*	B11.3	235.2
47	-	0.*	B11.4	199.9
48	-	0.*	B11.5	279.2
49	-	0.*	B11.6	158.3
50	-	0.*	B11.7	129.5
51	-	0.*	B11.8	188.4
52	-	0.*	B11.9	150.3
53	-	6.*	B12.1	196.9
54	-	6.*	B12.2	180.6
55	-	6.*	B12.3	218.8
56	-	6.*	B12.4	142.6
57	-	6.*	B12.5	51.4
58	-	6.*	B12.6	160.2
59	-	3.*	B62.1	312.7
60	-	3.*	B62.2	227.5
61	-	3.*	B62.3	268.6
62	-	3.*	B62.4	418.5
63	-	3.*	B62.5	299.3
64	-	3.*	B62.6	278.9
65	-	3.*	B62.7	384.6
66	-	3.*	B62.8	359.6
67	-	3.*	B62.9	472.6

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0 1 2 3 4 5 6 7

1

REC	REC ID	DNL	PEOPLE	LEQ(CAL)
1	R13.17	67.	500.	63.6
2	R13.18	67.	500.	65.6
3	R13.19	67.	500.	62.3
4	R13.20A	67.	500.	62.6
5	R13.20	67.	500.	62.8
6	R13.21	67.	500.	65.1
7	ST13.3	67.	500.	68.3
8	R13.22	67.	500.	70.3
9	R13.23	67.	500.	71.4
10	R13.24	67.	500.	73.1
11	R13.25	67.	500.	68.0
12	R13.26	67.	500.	68.3

BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION

0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0.

0. 0. 0.

13 La Costa to Poinsettia, Calibration
T-L6 - SB General Lanes - Outer,1,
0,65,0,65,0,55,
T-L16 - SB General Lanes - Inner,2,
2792,65,86,65,71,55,
T-L56 - SB Future HOV Lanes,3,
2792,65,86,65,71,55,
T-L55 - NB Future HOV Lanes,4,
3224,65,78,65,122,55,
T-L15 - NB General Lanes - Inner,5,
3224,65,78,65,122,55,
T-L5 - NB General Lanes - Outer,6,
0,65,0,65,0,55,
T-L26 - SB La Costa On-ramp,7,
537,45,33,45,15,45,
T-L25 - NB La Costa Off-ramp,8,
0,45,0,45,0,45
T-L27 - NB La Costa On-ramp,9
0,45,0,45,0,45
T-L28 - SB La Costa Off-ramp,10
0,45,0,45,0,45
T-L8 - SB General Lanes - Outer,11
0,65,0,65,0,55
T-L18 - SB General Lanes - Inner,12
2792,65,86,65,71,55
T-L58 - SB Future HOV Lanes,13
2792,65,86,65,71,55
T-L57 - NB Future HOV Lanes,14
3224,65,78,65,122,55
T-L17 - NB General Lanes - Inner,15
3224,65,78,65,122,55
T-L7 - NB General Lanes - Outer,16
0,65,0,65,0,55
T-L30 - SB Poinsettia On-ramp,17
0,45,0,45,0,45
T-L29 - NB Poinsettia Off-ramp,18
681,45,18,45,24,45
T-L31 - NB Poinsettia On-ramp,19
0,45,0,45,0,45
T-L32 - SB Poinsettia Off-ramp,20
0,45,0,45,0,45
T-L10 - SB General Lanes - Outer,21
0,65,0,65,0,55
T-L20 - SB General Lanes - Inner,22
2792,65,86,65,71,55
T-L60 - SB Future HOV Lanes,23
2792,65,86,65,71,55
T-L59 - NB Future HOV Lanes,24
3224,65,78,65,122,55
T-L19 - NB General Lanes - Inner,25
3224,65,78,65,122,55
T-L9 - NB General Lanes - Outer,26
0,65,0,65,0,55
L6 - SB General Lanes - Outer,1
N,902237,601818,17.3,L6.6,
N,902211,601928,14.9,L6.7,

N,902183,602034,12.3,L6.8,
N,902162,602122,10.3,L6.9,
N,902134,602205,8.3,L6.10,
N,902100,602285,6.2,L6.11,
N,902061,602363,4.8,L6.12,
N,902011,602457,4.2,L6.13,
N,901955,602562,4.5,L6.14,
N,901898,602668,4.8,L6.15,
L16 - SB General Lanes - Inner,2,
N,902245,601821,17.3,L16.6
N,902218,601930,14.9,L16.7
N,902192,602036,12.3,L16.8
N,902169,602124,10.3,L16.9
N,902140,602209,8.3,L16.10
N,902109,602290,6.2,L16.11
N,902069,602367,4.8,L16.12
N,902019,602462,4.2,L16.13
N,901962,602567,4.5,L16.14
N,901906,602672,4.8,L16.15
L56 - SB Future HOV Lanes,3,
N,902255,601824,17.5,L56.6
N,902228,601932,15,L56.7
N,902201,602039,12.5,L56.8
N,902180,602127,10.5,L56.9
N,902151,602213,8.5,L56.10
N,902117,602294,6.5,L56.11
N,902077,602372,5,L56.12
N,902028,602467,4.3,L56.13
N,901971,602571,4.7,L56.14
N,901915,602676,4.9,L56.15
L55 - NB Future HOV Lanes,4,
N,902270,601826,17.5,L55.6
N,902245,601933,15,L55.7
N,902219,602044,12.5,L55.8
N,902195,602133,10.5,L55.9
N,902164,602226,8.5,L55.10
N,902130,602306,6.5,L55.11
N,902092,602382,5,L55.12
N,902041,602474,4.3,L55.13
N,901986,602580,4.7,L55.14
N,901929,602686,4.9,L55.15
L15 - NB General Lanes - Inner,5,
N,902280,601828,17.3,L15.6
N,902254,601933,14.4,L15.7
N,902227,602045,12.4,L15.8
N,902204,602137,10.1,L15.9
N,902173,602231,8.7,L15.10
N,902138,602311,6.7,L15.11
N,902100,602387,5.1,L15.12
N,902051,602480,4.2,L15.13
N,901993,602585,4.5,L15.14
N,901937,602691,4.8,L15.15
L5 - NB General Lanes - Outer,6,
N,902289,601831,17.3,L5.6
N,902264,601936,14.4,L5.7
N,902236,602048,12.4,L5.8

N,902212,602141,10.1,L5.9
N,902181,602234,8.7,L5.10
N,902146,602314,6.7,L5.11
N,902108,602391,5.1,L5.12
N,902057,602485,4.2,L5.13
N,902000,602590,4.5,L5.14
N,901944,602696,4.8,L5.15
L26 - SB La Costa On-ramp,7,
N,902265,601707,19.8,L26.1
N,902229,601825,16.9,L26.2
N,902209,601901,15,L26.3
N,902192,601960,13.6,L26.4
N,902163,602033,11.8,L26.5
N,902145,602070,12.3,L26.6
N,902097,602161,17.4,L26.7
N,902072,602211,19.2,L26.8
L25 - NB La Costa Off-ramp,8,
N,902289,601831,17.3,L25.1
N,902274,601917,15,L25.2
N,902265,601977,13.5,L25.3
N,902256,602036,12.3,L25.4
N,902253,602077,12,L25.5
N,902247,602116,12.8,L25.6
N,902234,602194,15,L25.7
N,902223,602241,15.5,L25.8
L27 - NB La Costa On-ramp,9,
N,902201,602284,13.5,L27.1
N,902153,602352,7.3,L27.2
N,902120,602403,4.6,L27.3
N,902089,602453,3.8,L27.4
N,902045,602522,3.8,L27.5
N,902017,602574,4,L27.6
N,901986,602628,4.4,L27.7
N,901944,602696,4.8,L27.8
L28 - SB La Costa Off-ramp,10,
N,902054,602260,18,L28.1
N,902029,602335,13.6,L28.2
N,902002,602411,9,L28.3
N,901966,602504,4.5,L28.4
N,901950,602541,3.9,L28.5
N,901919,602614,4.2,L28.6
N,901898,602668,4.8,L28.7
L8 - SB General Lanes - Outer,11,
N,901898,602668,4.8,L8.1
N,901850,602758,4.9,L8.2
N,901805,602844,5.7,L8.3
N,901753,602939,7.8,L8.4
N,901705,603028,9.8,L8.5
N,901660,603113,11.8,L8.6
N,901618,603191,13.8,L8.7
N,901564,603293,16.3,L8.8
N,901511,603394,18.8,L8.9
N,901454,603499,21.3,L8.10
N,901408,603584,23.3,L8.11
N,901367,603665,25.3,L8.12
N,901310,603768,27.3,L8.13

N,901266,603851,28.3,L8.14
N,901234,603912,28.3,L8.15
L18 - SB General Lanes - Inner,12,
N,901906,602672,4.8,L18.1
N,901858,602763,4.9,L18.2
N,901812,602847,5.7,L18.3
N,901761,602943,7.8,L18.4
N,901713,603032,9.8,L18.5
N,901667,603117,11.8,L18.6
N,901627,603195,13.8,L18.7
N,901572,603297,16.3,L18.8
N,901519,603398,18.8,L18.9
N,901462,603504,21.3,L18.10
N,901416,603588,23.3,L18.11
N,901373,603669,25.3,L18.12
N,901318,603773,27.3,L18.13
N,901275,603854,28.3,L18.14
N,901242,603917,28.3,L18.15
L58 - SB Future HOV Lanes,13,
N,901915,602676,4.9,L58.1
N,901866,602767,5.1,L58.2
N,901821,602852,6,L58.3
N,901770,602947,8,L58.4
N,901722,603036,10,L58.5
N,901675,603125,12,L58.6
N,901635,603199,14,L58.7
N,901581,603301,16.5,L58.8
N,901527,603402,19,L58.9
N,901470,603507,21.5,L58.10
N,901425,603593,23.5,L58.11
N,901381,603675,25.5,L58.12
N,901327,603776,27.5,L58.13
N,901282,603860,28.4,L58.14
N,901250,603921,28.6,L58.15
L57 - NB Future HOV Lanes,14,
N,901929,602686,4.9,L57.1
N,901882,602774,5.1,L57.2
N,901834,602862,6,L57.3
N,901783,602957,8,L57.4
N,901737,603045,10,L57.5
N,901692,603128,12,L57.6
N,901650,603207,14,L57.7
N,901597,603307,16.5,L57.8
N,901543,603408,19,L57.9
N,901485,603514,21.5,L57.10
N,901440,603600,23.5,L57.11
N,901396,603683,25.5,L57.12
N,901341,603786,27.5,L57.13
N,901298,603868,28.4,L57.14
N,901264,603930,28.6,L57.15
L17 - NB General Lanes - Inner,15,
N,901937,602691,4.8,L17.1
N,901889,602780,4.9,L17.2
N,901842,602868,5.7,L17.3
N,901792,602963,7.8,L17.4
N,901745,603049,9.8,L17.5

N,901700,603133,11.8,L17.6
N,901658,603213,13.8,L17.7
N,901605,603312,16.3,L17.8
N,901551,603414,18.8,L17.9
N,901494,603520,21.3,L17.10
N,901449,603605,23.3,L17.11
N,901405,603687,25.3,L17.12
N,901349,603792,27.3,L17.13
N,901306,603874,28.3,L17.14
N,901272,603935,28.3,L17.15
L7 - NB General Lanes - Outer,16,
N,901944,602696,4.8,L7.1
N,901897,602785,4.9,L7.2
N,901850,602872,5.7,L7.3
N,901798,602968,7.8,L7.4
N,901753,603055,9.8,L7.5
N,901709,603136,11.8,L7.6
N,901666,603216,13.8,L7.7
N,901612,603318,16.3,L7.8
N,901558,603417,18.8,L7.9
N,901501,603524,21.3,L7.10
N,901457,603609,23.3,L7.11
N,901413,603692,25.3,L7.12
N,901357,603797,27.3,L7.13
N,901314,603878,28.3,L7.14
N,901280,603940,28.3,L7.15
L30 - SB Poinsettia On-ramp,17,
N,901367,603665,25.3,L30.1
N,901306,603765,27.3,L30.2
N,901262,603849,28.5,L30.3
N,901229,603910,28.3,L30.4
N,901176,604007,27.6,L30.5
N,901127,604094,26.9,L30.6
N,901095,604145,26.4,L30.7
N,901057,604191,25.8,L30.8
N,901030,604220,26,L30.9
N,900992,604252,36.8,L30.10
N,900936,604291,28.2,L30.11
N,900915,604314,28.8,L30.12
N,900902,604341,29.4,L30.13
L29 - NB Poinsettia Off-ramp,18,
N,901413,603692,25.3,L29.1
N,901361,603799,27.3,L29.2
N,901317,603880,28.3,L29.3
N,901284,603941,28.3,L29.4
N,901229,604044,27.7,L29.5
N,901207,604093,27.5,L29.6
N,901169,604184,26.4,L29.7
N,901154,604222,26.8,L29.8
N,901131,604277,28.7,L29.9
N,901110,604332,31.4,L29.10
N,901096,604389,33.2,L29.11
L31 - NB Poinsettia On-ramp,19,
N,901084,604430,33.4,L31.1
N,901067,604456,32.2,L31.2
N,901010,604511,27,L31.3

N,900979,604549,24.6,L31.4
N,900949,604590,23.5,L31.5
N,900915,604640,23.1,L31.6
N,900875,604709,22.8,L31.7
N,900826,604797,22.5,L31.8
N,900763,604907,21.8,L31.9
L32 - SB Poinsettia Off-ramp,20,
N,900889,604383,29.2,L32.1
N,900884,604430,27.6,L32.2
N,900878,604489,25.4,L32.3
N,900866,604547,24.2,L32.4
N,900848,604603,23.2,L32.5
N,900824,604658,22.9,L32.6
N,900808,604698,22.7,L32.7
N,900768,604784,22.3,L32.8
L10 - SB General Lanes - Outer,21,
N,901234,603912,28.3,L10.1
N,901194,603984,28.2,L10.2
N,901134,604096,27.3,L10.3
N,901092,604175,26.8,L10.4
N,901052,604250,26.2,L10.5
N,900997,604355,25.3,L10.6
N,900946,604451,24.8,L10.7
N,900878,604579,23.7,L10.8
N,900827,604676,23.2,L10.9
N,900768,604784,22.3,L10.10
L20 - SB General Lanes - Inner,22,
N,901242,603917,28.3,L20.1
N,901202,603989,28.2,L20.2
N,901142,604101,27.3,L20.3
N,901100,604179,26.8,L20.4
N,901059,604254,26.2,L20.5
N,901004,604359,25.3,L20.6
N,900953,604455,24.8,L20.7
N,900884,604583,23.7,L20.8
N,900833,604679,23.2,L20.9
N,900775,604788,22.3,L20.10
L60 - SB Future HOV Lanes,23,
N,901250,603921,28.6,L60.1
N,901211,603993,28.4,L60.2
N,901151,604106,27.5,L60.3
N,901109,604185,27,L60.4
N,901068,604261,26.5,L60.5
N,901013,604365,25.6,L60.6
N,900960,604462,25,L60.7
N,900893,604589,24,L60.8
N,900841,604685,23.4,L60.9
N,900784,604793,22.5,L60.10
L59 - NB Future HOV Lanes,24,
N,901264,603930,28.6,L59.1
N,901226,604002,28.4,L59.2
N,901166,604114,27.5,L59.3
N,901122,604195,27,L59.4
N,901082,604269,26.5,L59.5
N,901028,604372,25.6,L59.6
N,900975,604471,25,L59.7

N,900906,604598,24,L59.8
N,900856,604693,23.4,L59.9
N,900796,604806,22.5,L59.10
L19 - NB General Lanes - Inner,25,
N,901272,603935,28.3,L19.1
N,901233,604006,28.2,L19.2
N,901175,604118,27.3,L19.3
N,901131,604199,26.8,L19.4
N,901092,604273,26.2,L19.5
N,901037,604377,25.3,L19.6
N,900984,604475,24.8,L19.7
N,900917,604603,23.7,L19.8
N,900865,604698,23.2,L19.9
N,900804,604810,22.3,L19.10
L9 - NB General Lanes - Outer,26,
N,901280,603940,28.3,L9.1
N,901243,604011,28.2,L9.2
N,901183,604122,27.3,L9.3
N,901139,604203,26.8,L9.4
N,901099,604278,26.2,L9.5
N,901044,604380,25.3,L9.6
N,900992,604479,24.8,L9.7
N,900923,604606,23.7,L9.8
N,900873,604702,23.2,L9.9
N,900812,604815,22.3,L9.10
B7 - Nat Barrier SB Side at La Costa Bridge,1,2,0,0
902175,602044,12,12,B7.1
902146,602108,16,16,B7.2
902114,602169,18,18,B7.3
902090,602217,19.2,19.2,B7.4
902115,602227,17.3,17.3,B7.5
902102,602258,16.8,16.8,B7.6
902067,602258,18.3,18.3,B7.7
902035,602255,20,20,B7.8
902011,602320,20,20,B7.9
901981,602348,19,19,B7.10
B14 - Nat Barrier SB Side Edge of Cut,2,2,0,0
901981,602348,19,19,B14.1
901930,602402,20.5,20.5,B14.2
901896,602471,22,22,B14.3
901881,602510,22,22,B14.4
901868,602559,22,22,B14.5
901862,602586,20,20,B14.6
901820,602575,20,20,B14.7
B15 - Nat Bar SB Side La Costa Off-ramp,3,2,0,0
902067,602258,18.3,18.3,B15.1
902039,602337,13.6,13.6,B15.2
902013,602414,9,9,B15.3
901993,602474,6.5,6.5,B15.4
B60 - Center Divider,4,2,0,0
902187,602129,10.5,11.5,B60.1
902157,602218,8.5,9.5,B60.2
902124,602301,6.5,7.5,B60.3
902085,602378,5,6,B60.4
902034,602471,4.3,5.3,B60.5
901978,602576,4.7,5.7,B60.6

901922,602682,4.9,5.9,B60.7
901874,602771,5.1,6.1,B60.8
901828,602859,6,7,B60.9
901777,602953,8,9,B60.10
B61 - Center Divider,5,2,0,0
901777,602953,8,9,B61.1
901728,603041,10,11,B61.2
901684,603125,12,13,B61.3
901643,603204,14,15,B61.4
901588,603306,16.5,17.5,B61.5
901535,603407,19,20,B61.6
901479,603512,21.5,22.5,B61.7
901433,603597,23.5,24.5,B61.8
901388,603679,25.5,26.5,B61.9
901335,603781,27.5,28.5,B61.10
B1 - Property Line SB Side R13.3 to 13.5,6,2,0,0
901461,603022,24,24,B1.1
901474,603070,26,26,B1.2
901488,603116,32,32,B1.3
901499,603141,32,32,B1.4
901515,603184,32.4,32.4,B1.5
901511,603203,38,38,B1.6
B1 - 5.5' to 6' Prop Wall SB Side,7,2,0,0
901476,603205,37.5,39.2,B1.6A
901511,603203,38,39.7,B1.6
901516,603230,38.7,40.4,B1.7
901513,603262,38.8,40.5,B1.8
901513,603262,38.8,40.6,B1.8
901492,603308,38.5,40.3,B1.9
901459,603376,38,39.8,B1.10
B6 - Nat Barrier SB Side ST 730,8,2,0,0
901579,603207,10,10,B6.1
901540,603238,36,36,B6.2
901513,603262,38.8,38.8,B6.3
B2 - 6' Prop Wall SB Side,9,2,0,0
901459,603376,38,39.8,B2.1
901441,603416,37.5,39.3,B2.2
901415,603473,38,39.8,B2.3
901397,603514,37.5,39.3,B2.4
901365,603586,35.5,37.3,B2.5
901335,603654,34,35.8,B2.6
B2 - Existing 9' Wall SB Side,10,2,0,0
901335,603654,34,36.7,B2.6
901303,603725,33,35.7,B2.7
901281,603776,32.5,35.2,B2.8
901281,603776,32.5,32.5,B2.8
901253,603841,31,31,B2.9
901224,603903,29.6,29.6,B2.10
B3 - SB ROW/ Shldr ST 738 to 740,11,2,0,0
901224,603903,29.6,29.6,B3.1
901205,603941,29,29,B3.2
901184,603981,28,28,B3.3
901155,604035,27.5,27.5,B3.4
901123,604090,26.9,26.9,B3.5
901086,604140,26.4,26.4,B3.6
B4 - Comm Bldg SB Side ST 739,12,2,0,0

901173,603974,23,30.6,B4.1
901155,604006,23,30.6,B4.2
901125,603992,23,30.6,B4.3
B5 - Comm Bldg SB Side ST 740,13,2,0,0
901111,604051,21.5,29.1,B5.1
901071,604115,21.5,29.1,B5.2
901055,604139,21.5,29.1,B5.3
901003,604193,21.5,29.1,B5.4
900960,604154,21.5,29.1,B5.5
B62 - Center Divider ST 736 to 745,14,2,0,0
901335,603781,27.5,28.5,B62.1
901290,603865,28.4,29.4,B62.2
901257,603926,28.6,29.6,B62.3
901218,603998,28.4,29.4,B62.4
901157,604110,27.5,28.5,B62.5
901115,604191,27,28,B62.6
901075,604266,26.5,27.5,B62.7
901019,604369,25.6,26.6,B62.8
900968,604466,25,26,B62.9
900900,604593,24,25,B62.10
B20 - 6' Prop Wall SB Side,15,2,0,0
901274,603603,26,27.8,B20.1
901290,603633,27,28.8,B20.2
901293,603660,28,29.8,B20.3
901288,603689,28.5,30.3,B20.4
901272,603722,28,29.8,B20.5
901248,603779,27.5,29.3,B20.6
901223,603835,27,28.8,B20.7
901208,603867,26,27.8,B20.8
901188,603897,25,26.8,B20.9
901163,603918,24,25.8,B20.10
B21 - 6' Prop Wall SB Side,16,2,0,0
901163,603918,24,25.8,B21.1
901135,603931,23,24.8,B21.2
901112,603937,22.5,24.3,B21.3
901081,603939,22,23.8,B21.4
901044,603938,20.7,22.5,B21.5
R,1,67,4,
901896,602443,24,R13.1,
R,2,67,4,
901873,602511,24.7,R13.2,
R,3,67,4,
901458,603032,26.6,R13.3,
R,4,67,4,
901474,603094,30.5,R13.4,
R,5,67,4,
901504,603178,34.2,R13.5,
R,6,67,4,
901504,603232,39.8,R13.6
R,7,67,4
901468,603298,36.5,R13.7
R,8,67,4
901416,603440,34.3,R13.8
R,9,67,4
901400,603456,32.7,R13.9
R,10,67,4

901332,603623,35,R13.10
R,11,67,4
901286,603658,27,R13.11
R,12,67,4
901265,603734,28,R13.12S
R,13,67,4
901229,603814,28.5,R13.13
R,14,67,4
901180,603900,26.1,R13.14
R,15,67,4
901126,603932,24.3,R13.15
R,16,67,4
901069,603936,22.8,R13.16
D,4.5
ALL,ALL
K,-4.5
ALL,12
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
13 LA COSTA TO POINSETTIA, CALIBRATION

1

BARRIER DATA
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BAR ELE		0	1	2	3	4	5	6	7	BARRIER HEIGHTS ID	BAR LENGTH	TYPE
1	-	0.*								B7.1	230.8	
2	-	0.*								B7.2	226.2	
3	-	0.*								B7.3	176.1	
4	-	0.*								B7.4	88.5	
5	-	0.*								B7.5	110.3	
6	-	0.*								B7.6	114.9	
7	-	0.*								B7.7	105.6	
8	-	0.*								B7.8	227.4	
9	-	0.*								B7.9	134.7	
10	-	0.*								B14.1	243.8	
11	-	0.*								B14.2	252.4	
12	-	0.*								B14.3	137.0	
13	-	0.*								B14.4	166.4	
14	-	0.*								B14.5	91.0	
15	-	0.*								B14.6	142.5	
16	-	0.*								B15.1	275.4	
17	-	0.*								B15.2	267.0	
18	-	0.*								B15.3	207.6	
19	-	3.*								B60.1	308.2	
20	-	3.*								B60.2	293.1	
21	-	3.*								B60.3	283.3	
22	-	3.*								B60.4	348.0	
23	-	3.*								B60.5	390.4	
24	-	3.*								B60.6	393.2	
25	-	3.*								B60.7	331.8	
26	-	3.*								B60.8	325.9	
27	-	3.*								B60.9	350.9	
28	-	3.*								B61.1	330.5	
29	-	3.*								B61.2	311.2	
30	-	3.*								B61.3	292.0	
31	-	3.*								B61.4	380.3	
32	-	3.*								B61.5	374.3	
33	-	3.*								B61.6	390.4	
34	-	3.*								B61.7	317.2	
35	-	3.*								B61.8	306.9	
36	-	3.*								B61.9	377.2	
37	-	0.*								B1.1	163.3	
38	-	0.*								B1.2	159.0	

39	- 0.*	B1.3	89.7
40	- 0.*	B1.4	150.5
41	- 0.*	B1.5	66.4
42	- 6.*	B1.6A	115.1
43	- 6.*	B1.6	90.0
44	- 6.*	B1.7	105.5
45	- 6.*	B1.8	.3
46	- 6.*	B1.8	166.0
47	- 6.*	B1.9	248.0
48	- 0.*	B6.1	184.4
49	- 0.*	B6.2	118.9
50	- 6.*	B2.1	143.9
51	- 6.*	B2.2	205.5
52	- 6.*	B2.3	146.9
53	- 6.*	B2.4	258.5
54	- 6.*	B2.5	243.9
55	- 9.*	B2.6	255.6
56	- 9.*	B2.7	182.2
57	- 4.*	B2.8	8.9
58	- 0.*	B2.8	232.2
59	- 0.*	B2.9	224.7
60	- 0.*	B3.1	139.4
61	- 0.*	B3.2	148.3
62	- 0.*	B3.3	201.0
63	- 0.*	B3.4	208.8
64	- 0.*	B3.5	204.1
65	- 25.*	B4.1	120.4
66	- 25.*	B4.2	108.6
67	- 25.*	B5.1	247.6
68	- 25.*	B5.2	94.6
69	- 25.*	B5.3	246.0
70	- 25.*	B5.4	190.5
71	- 3.*	B62.1	312.7
72	- 3.*	B62.2	227.5
73	- 3.*	B62.3	268.6
74	- 3.*	B62.4	418.5
75	- 3.*	B62.5	299.3
76	- 3.*	B62.6	278.9
77	- 3.*	B62.7	384.6
78	- 3.*	B62.8	359.6
79	- 3.*	B62.9	472.6
80	- 6.*	B20.1	111.6
81	- 6.*	B20.2	89.2
82	- 6.*	B20.3	96.6
83	- 6.*	B20.4	120.3
84	- 6.*	B20.5	202.9
85	- 6.*	B20.6	201.3

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86    -  6.*                        B20.7     115.9
87    -  6.*                        B20.8     118.4
88    -  6.*                        B20.9     107.2

89    -  6.*                        B21.1     101.3
90    -  6.*                        B21.2      78.0
91    -  6.*                        B21.3     101.9
92    -  6.*                        B21.4     121.5
-------------------------------------------------------------------------------
      0   1   2   3   4   5   6   7
1
 REC REC ID    DNL  PEOPLE   LEQ(CAL)
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  1  REC 1     67.    500.   68.4
  2  REC 2     67.    500.   69.1
  3  REC 3     67.    500.   63.3
  4  REC 4     67.    500.   64.2
  5  REC 5     67.    500.   66.4
  6  R13.6     67.    500.   63.1
  7  R13.7     67.    500.   58.9
  8  R13.8     67.    500.   58.9
  9  R13.9     67.    500.   58.6
 10  R13.10    67.    500.   64.8
 11  R13.11    67.    500.   60.2
 12  R13.12S   67.    500.   57.1
 13  R13.13    67.    500.   67.3
 14  R13.14    67.    500.   68.5
 15  R13.15    67.    500.   66.2
 16  R13.16    67.    500.   64.5
 BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
  0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3.
  3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 6. 6. 6. 6. 6. 6. 0. 0. 6.
  6. 6. 6. 6. 9. 9. 4. 0. 0. 0. 0. 0. 0. 0.25.25.25.25.25.25. 3. 3. 3. 3. 3.
  3. 3. 3. 3. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.
```

Segment 14
Roadway Segment 14 - Poinsettia to Palomar Airport Road - Calibration
T NB Truck, 1
0, 0, 0, 0, 0, 0
T NB Truck (cont), 2
0, 0, 0, 0, 0, 0
T NB Car, 3
2768, 70, 138, 70, 237, 70
T NB Car (cont), 4
2768, 70, 138, 70, 237, 70
T NB HOV, 5
2768, 70, 138, 70, 0, 0
T NB HOV (cont), 6
2768, 70, 138, 70, 0, 0
T NB Poinsettia Off ramp, 7
0, 0, 0, 0, 0, 0
T NB Poinsettia On ramp, 8
0, 0, 0, 0, 0, 0
T NB Palomar Airport Off Ramp, 9
0, 0, 0, 0, 0, 0
T SB Truck, 10
0, 0, 0, 0, 0, 0
T SB Truck (cont), 11
0, 0, 0, 0, 0, 0
T SB Car, 12
2607, 70, 111, 70, 255, 70
T SB Car (cont), 13
2607, 70, 111, 70, 255, 70
T SB HOV, 14
2607, 70, 111, 70, 0, 0
T SB HOV (cont), 15
2607, 70, 111, 70, 0, 0
T SB Poinsettia On Ramp, 16
0, 0, 0, 0, 0, 0
T SB Poinsettia Off ramp, 17
0, 0, 0, 0, 0, 0
T SB Palomar Airport On Ramp, 18
0, 0, 0, 0, 0, 0
L9 NB Truck, 1
N, 51280, 3940, 28.3, L9.1
N, 51243, 4011, 28.2, L9.2
N, 51183, 4122, 27.3, L9.3
N, 51139, 4203, 26.8, L9.4
N, 51099, 4278, 26.2, L9.5
N, 51044, 4380, 25.5, L9.6
N, 50992, 4479, 24.8, L9.7
N, 50923, 4606, 23.7, L9.8
N, 50873, 4702, 23.2, L9.9
N, 50812, 4815, 22.3, L9.10
N, 50763, 4907, 21.8, L9.11
N, 50717, 4996, 21.1, L9.12
N, 50668, 5093, 20.3, L9.13
N, 50613, 5203, 19.5, L9.14
N, 50561, 5309, 18.8, L9.15
L71 NB Truck (cont), 2
N, 50561, 5309, 18.8, L71.1

N, 50534, 5365, 18.5, L71.2
N, 50491, 5449, 17.8, L71.3
N, 50427, 5584, 16.8, L71.4
N, 50380, 5676, 16.2, L71.5
N, 50336, 5765, 15.7, L71.6
N, 50287, 5865, 15.4, L71.7
N, 50247, 5944, 15.7, L71.8
N, 50212, 6015, 15.8, L71.9
N, 50168, 6103, 16, L71.10
N, 50125, 6193, 16.1, L71.11
N, 50086, 6273, 16.3, L71.12
N, 50025, 6395, 16.5, L71.13
N, 49974, 6501, 16.7, L71.14
L19 NB Car, 3
N, 51272, 3935, 28.3, L19.1
N, 51233, 4006, 28.2, L19.2
N, 51175, 4118, 27.3, L19.3
N, 51131, 4199, 26.8, L19.4
N, 51092, 4273, 26.2, L19.5
N, 51037, 4377, 25.5, L19.6
N, 50984, 4475, 24.8, L19.7
N, 50917, 4603, 23.7, L19.8
N, 50865, 4698, 23.2, L19.9
N, 50804, 4810, 22.3, L19.10
N, 50756, 4901, 21.8, L19.11
N, 50709, 4992, 21.1, L19.12
N, 50659, 5088, 20.3, L19.13
N, 50605, 5198, 19.5, L19.14
N, 50554, 5305, 18.8, L19.15
L91 NB Car (cont), 4
N, 50554, 5305, 18.8, L91.1
N, 50526, 5361, 18.5, L91.2
N, 50483, 5446, 17.8, L91.3
N, 50418, 5581, 16.8, L91.4
N, 50374, 5671, 16.2, L91.5
N, 50329, 5761, 15.7, L91.6
N, 50279, 5860, 15.4, L91.7
N, 50239, 5941, 15.7, L91.8
N, 50205, 6010, 15.8, L91.9
N, 50162, 6099, 16, L91.10
N, 50117, 6188, 16.1, L91.11
N, 50078, 6270, 16.3, L91.12
N, 50018, 6392, 16.5, L91.13
N, 49966, 6496, 16.7, L91.14
L59 NB HOV, 5
N, 51264, 3930, 28.6, L59.1
N, 51226, 4002, 28.4, L59.2
N, 51166, 4114, 27.5, L59.3
N, 51122, 4195, 27, L59.4
N, 51082, 4269, 26.5, L59.5
N, 51028, 4372, 25.6, L59.6
N, 50975, 4471, 25, L59.7
N, 50906, 4598, 24, L59.8
N, 50856, 4693, 23.4, L59.9
N, 50796, 4806, 22.5, L59.10
N, 50747, 4897, 21.8, L59.11

N, 50699, 4987, 21.3, L59.12
N, 50652, 5083, 20.5, L59.13
N, 50597, 5193, 19.7, L59.14
N, 50545, 5300, 19, L59.15
L61 NB HOV (cont), 6
N, 50545, 5300, 19.2, L61.1
N, 50516, 5357, 18.5, L61.2
N, 50476, 5442, 18, L61.3
N, 50409, 5576, 17, L61.4
N, 50365, 5666, 16.4, L61.5
N, 50320, 5756, 15.9, L61.6
N, 50271, 5856, 15.6, L61.7
N, 50231, 5937, 15.9, L61.8
N, 50197, 6006, 16, L61.9
N, 50154, 6095, 16.2, L61.10
N, 50110, 6184, 16.3, L61.11
N, 50070, 6266, 16.5, L61.12
N, 50010, 6387, 16.7, L61.13
N, 49958, 6493, 16.9, L61.14
L29 NB Poinsettia Off ramp, 7
N, 51317, 3880, 28.3, L29.3
N, 51284, 3941, 28.3, L29.4
N, 51229, 4044, 27.7, L29.5
N, 51207, 4093, 27.3, L29.6
N, 51169, 4184, 26.4, L29.7
Y, 51154, 4222, 26.8, L29.8
Y, 51131, 4277, 28.7, L29.9
N, 51110, 4332, 31.4, L29.10
N, 51096, 4389, 33.2, L29.11
L31 NB Poinsettia On ramp, 8
Y, 51084, 4430, 33.5, L31.1
Y, 51067, 4456, 32.2, L31.2
Y, 51010, 4511, 27, L31.3
N, 50979, 4549, 24.6, L31.4
N, 50949, 4590, 23.5, L31.5
N, 50915, 4640, 23.1, L31.6
N, 50875, 4709, 22.8, L31.7
N, 50826, 4797, 22.5, L31.8
N, 50763, 4907, 21.8, L31.9
L33 NB Palomar Airport Off Ramp, 9
N, 50491, 5449, 18, L33.1
N, 50432, 5586, 16.8, L33.2
N, 50386, 5678, 16.2, L33.3
N, 50340, 5766, 15.7, L33.4
N, 50292, 5867, 15.4, L33.5
N, 50252, 5947, 15.7, L33.6
N, 50217, 6018, 15.8, L33.7
N, 50174, 6106, 16, L33.8
N, 50152, 6156, 15.7, L33.9
N, 50123, 6230, 15.7, L33.10
Y, 50094, 6305, 15.6, L33.11
Y, 50075, 6368, 19.9, L33.12
N, 50066, 6447, 23.5, L33.13
L10 SB Truck, 10
N, 51234, 3912, 28.3, L10.1
N, 51194, 3984, 28.2, L10.2

N, 51134, 4096, 27.3, L10.3
N, 51092, 4175, 26.8, L10.4
N, 51052, 4250, 26.2, L10.5
N, 50997, 4355, 25.5, L10.6
N, 50946, 4451, 24.8, L10.7
N, 50878, 4579, 23.7, L10.8
N, 50827, 4676, 23.2, L10.9
N, 50768, 4784, 22.3, L10.10
N, 50718, 4881, 21.8, L10.11
N, 50668, 4972, 21.5, L10.12
N, 50619, 5068, 20.5, L10.13
N, 50565, 5178, 19.5, L10.14
N, 50513, 5286, 18.8, L10.15
L70 SB Truck (cont), 11
N, 50513, 5286, 18.8, L70.1
N, 50485, 5340, 18.3, L70.2
N, 50445, 5420, 17.2, L70.3
N, 50381, 5553, 16.8, L70.4
N, 50332, 5650, 16.2, L70.5
N, 50289, 5741, 15.7, L70.6
N, 50239, 5841, 15.4, L70.7
N, 50200, 5921, 15.7, L70.8
N, 50163, 5996, 15.8, L70.9
N, 50121, 6080, 16, L70.10
N, 50078, 6169, 16.1, L70.11
N, 50038, 6249, 16.3, L70.12
N, 49980, 6372, 16.5, L70.13
N, 49928, 6479, 16.7, L70.14
L20 SB Car, 12
N, 51242, 3917, 28.3, L20.1
N, 51202, 3989, 28.2, L20.2
N, 51142, 4101, 27.3, L20.3
N, 51100, 4179, 26.8, L20.4
N, 51059, 4254, 26.2, L20.5
N, 51004, 4359, 25.5, L20.6
N, 50953, 4455, 24.8, L20.7
N, 50884, 4583, 23.7, L20.8
N, 50833, 4679, 23.2, L20.9
N, 50775, 4788, 22.3, L20.10
N, 50725, 4885, 21.8, L20.11
N, 50676, 4976, 21.5, L20.12
N, 50627, 5072, 20.5, L20.13
N, 50573, 5182, 19.5, L20.14
N, 50520, 5290, 18.8, L20.15
L90 SB Car (cont), 13
N, 50520, 5290, 18.8, L90.1
N, 50493, 5344, 18.3, L90.2
N, 50454, 5424, 17.2, L90.3
N, 50388, 5557, 16.8, L90.4
N, 50341, 5655, 16.2, L90.5
N, 50297, 5746, 15.7, L90.6
N, 50247, 5846, 15.4, L90.7
N, 50208, 5925, 15.7, L90.8
N, 50170, 6000, 15.8, L90.9
N, 50130, 6084, 16, L90.10
N, 50086, 6174, 16.1, L90.11

N, 50046, 6254, 16.3, L90.12
N, 49988, 6375, 16.5, L90.13
N, 49936, 6482, 16.7, L90.14
L60 SB HOV, 14
N, 51250, 3921, 28.6, L60.1
N, 51211, 3993, 28.4, L60.2
N, 51151, 4106, 27.5, L60.3
N, 51109, 4185, 27, L60.4
N, 51068, 4261, 26.5, L60.5
N, 51013, 4365, 25.6, L60.6
N, 50960, 4462, 25, L60.7
N, 50893, 4589, 24, L60.8
N, 50841, 4685, 23.4, L60.9
N, 50784, 4793, 22.5, L60.10
N, 50732, 4890, 21.8, L60.11
N, 50684, 4980, 21.3, L60.12
N, 50634, 5077, 20.5, L60.13
N, 50582, 5186, 19.7, L60.14
N, 50530, 5294, 19, L60.15
L62 SB HOV (cont), 15
N, 50530, 5294, 19.2, L62.1
N, 50503, 5349, 18.5, L62.2
N, 50463, 5428, 18, L62.3
N, 50398, 5563, 17, L62.4
N, 50349, 5659, 16.4, L62.5
N, 50305, 5749, 15.9, L62.6
N, 50256, 5850, 15.6, L62.7
N, 50217, 5929, 15.9, L62.8
N, 50180, 6004, 16, L62.9
N, 50141, 6088, 16.2, L62.10
N, 50095, 6178, 16.3, L62.11
N, 50055, 6260, 16.5, L62.12
N, 49997, 6379, 16.7, L62.13
N, 49944, 6486, 16.9, L62.14
L30 SB Poinsettia On Ramp, 16
N, 51262, 3849, 28.3, L30.3
N, 51229, 3910, 28.3, L30.4
N, 51176, 4007, 27.6, L30.5
N, 51127, 4094, 26.9, L30.6
N, 51095, 4145, 26.4, L30.7
N, 51057, 4191, 25.8, L30.8
N, 51030, 4220, 26, L30.9
N, 50992, 4252, 26.8, L30.10
N, 50936, 4291, 28.2, L30.11
N, 50915, 4314, 28.8, L30.12
N, 50902, 4341, 29.4, L30.13
L32 SB Poinsettia Off ramp, 17
Y, 50889, 4383, 29.2, L32.1
Y, 50884, 4430, 27.6, L32.2
N, 50878, 4489, 25.4, L32.3
N, 50866, 4547, 24.2, L32.4
N, 50848, 4603, 23.2, L32.5
N, 50824, 4658, 22.9, L32.6
N, 50808, 4698, 22.7, L32.7
N, 50768, 4784, 22.3, L32.8
L34 SB Palomar Airport On Ramp, 18

N, 50381, 5553, 16.8, L34.1
N, 50328, 5648, 16.2, L34.2
N, 50284, 5739, 15.7, L34.3
N, 50235, 5838, 15.4, L34.4
N, 50195, 5917, 15.7, L34.5
N, 50157, 5993, 15.8, L34.6
N, 50116, 6071, 15.8, L34.7
N, 50071, 6160, 15.5, L34.8
N, 50029, 6229, 15.5, L34.9
N, 49970, 6332, 17.5, L34.10
N, 49939, 6380, 19, L34.11
N, 49908, 6411, 19.8, L34.12
N, 49861, 6446, 21, L34.13
N, 49823, 6463, 21.2, L34.14
B10 NB Soundwall ROW - Poinsettia to Spindrift, 1, 2, 0, 0
51148, 4442, 38.8, 40.325, B10.1
51122, 4438, 38.1, 39.625, B10.2
51101, 4435, 34.8, 36.325, B10.3
51080, 4469, 34.5, 36.025, B10.4
51042, 4510, 32, 33.525, B10.5
50984, 4569, 28, 29.525, B10.6
50927, 4652, 27.9, 29.425, B10.7
50895, 4704, 27.8, 29.325, B10.8
50881, 4721, 25.8, 27.325, B10.9
50839, 4797, 25.3, 26.825, B10.10
50809, 4853, 25, 26.525, B11.2
B11 NB Soundwall ROW - Spindrift to Rosa, 2, 2, 0, 0
50809, 4853, 25, 26.525, B11.2
50763, 4940, 24, 25.525, B11.3
50728, 5010, 24, 25.525, B11.4
50701, 5059, 23.5, 25.025, B11.5
50680, 5106, 23.2, 24.725, B11.6
50664, 5140, 23, 24.525, B11.7
50664, 5140, 23, 24.525, B11.7
50649, 5163, 20.5, 22.025, B11.8
50649, 5163, 20.5, 22.025, B11.8
50634, 5196, 21, 22.525, B11.9
50596, 5274, 12, 13.525, B11.10
B12 NB Soundwall - North from Rosa, 3, 2, 0, 0
50596, 5274, 12, 13.525, B11.10
50561, 5353, 21.5, 23.025, B12.2
50535, 5413, 21.5, 23.025, B12.3
50535, 5413, 21.5, 23.025, B12.3
50511, 5467, 22, 23.525, B12.4
50485, 5518, 21.7, 23.225, B12.5
50465, 5565, 22, 23.525, B12.6
50427, 5646, 22.8, 24.325, B12.7
B12 NB Soundwall (cont) - North from Rosa, 4, 2, 0, 0
50427, 5646, 22.8, 22.8, B12.7
50401, 5703, 23, 23, B12.8
50399, 5723, 24, 24, B12.9
50383, 5781, 23.8, 23.8, B12.10
B15 NB Soundwall - South From Palomar Airport, 5, 2, 0, 0
50284, 5925, 16, 16, B15.1
50241, 5994, 16.7, 16.7, B15.2
50209, 6056, 17.5, 17.5, B15.3

50191, 6087, 18, 18, B15.4
50166, 6138, 18.5, 18.5, B15.5
50155, 6183, 20, 20, B15.6
50143, 6229, 23.3, 23.3, B15.7
50119, 6286, 23.5, 23.5, B15.8
50103, 6327, 22.8, 22.8, B15.9
50089, 6382, 23.7, 23.7, B15.10
50085, 6444, 23.7, 23.7, B16.2
B20 NB Terrain Line - Poinsettia Bridge, 6, 2, 0, 0
51085, 4392, 33.4, 33.4, B20.1
51052, 4383, 33.1, 33.1, B20.2
51037, 4411, 33.1, 33.1, B20.3
51076, 4422, 33.3, 33.3, B20.4
51095, 4428, 33.5, 33.5, B20.5
B13 NB Building - Comm, 7, 2, 0, 0
50430, 5726, 24, 32, B13.1
50403, 5716, 24, 32, B13.2
50389, 5779, 24, 32, B13.3
B14 NB Building - Comm, 8, 2, 0, 0
50383, 5781, 23.8, 31.8, B14.1
50372, 5794, 15.3, 23.3, B14.2
50334, 5866, 15.1, 23.1, B14.3
50398, 5925, 14.1, 22.1, B14.4
B17 NB Building - Comm, 9, 2, 0, 0
50216, 6073, 17.8, 25.8, B17.1
50190, 6143, 19.5, 27.5, B17.2
50178, 6181, 20, 28, B17.3
B18 NB Building - Comm, 10, 2, 0, 0
50150, 6242, 23.3, 31.3, B18.1
50129, 6291, 23.7, 31.7, B18.2
50156, 6303, 23.8, 31.8, B18.3
B62 Center Divider, 11, 2, 0, 0
51257, 3926, 28.6, 29.6, B62.3
51218, 3998, 28.4, 29.4, B62.4
51157, 4110, 27.5, 28.5, B62.5
51115, 4191, 27, 28, B62.6
51075, 4266, 26.5, 27.5, B62.7
51019, 4369, 25.6, 26.6, B62.8
50968, 4466, 25, 26, B62.9
50900, 4593, 24, 25, B62.10
50850, 4689, 23.4, 24.4, B63.2
50790, 4800, 22.5, 23.5, B63.3
50740, 4894, 21.8, 22.8, B63.4
B63 Center Divider, 12, 2, 0, 0
50740, 4894, 21.8, 22.8, B63.4
50692, 4984, 21.3, 22.3, B63.5
50642, 5080, 20.5, 21.5, B63.6
50589, 5189, 19.7, 20.7, B63.7
50537, 5298, 19, 20, B63.8
50509, 5353, 18.5, 19.5, B63.9
50470, 5435, 18, 19, B63.10
50403, 5570, 17, 18, B64.2
50358, 5663, 16.4, 17.4, B64.3
50312, 5753, 15.9, 16.9, B64.4
B64 Center Divider, 13, 2, 0, 0
50312, 5753, 15.9, 16.9, B64.4

50263, 5854, 15.6, 16.6, B64.5
50224, 5934, 15.9, 16.9, B64.6
50188, 6007, 16, 17, B64.7
50146, 6092, 16.2, 17.2, B64.8
50102, 6182, 16.3, 17.3, B64.9
50063, 6263, 16.5, 17.5, B64.10
50004, 6384, 16.7, 17.7, B65.2
49952, 6489, 16.9, 17.9, B65.3
R, 1, 67, 4
51124, 4447, 40.4, R14.7
R, 2, 67, 4
51089, 4465, 36.1, R14.8
R, 3, 67, 4
51046, 4543, 36.7, R14.9
R, 4, 67, 4
51008, 4567, 30.7, R14.10
R, 5, 67, 4
50965, 4602, 29.7, R14.11
R, 6, 67, 4
50899, 4704, 29.3, R14.12
R, 7, 67, 4
50909, 4741, 28, R14.13
R, 8, 67, 4
50870, 4765, 27.1, R14.14
R, 9, 67, 4
50811, 4874, 26, R14.15
R, 10, 67, 4
50793, 4935, 26, R14.16
R, 11, 67, 4
50751, 4976, 26.1, R14.17
R, 12, 67, 4
50741, 5036, 25.8, R14.18
R, 13, 67, 4
50697, 5092, 25.2, R14.19
R, 14, 67, 4
50685, 5168, 23.6, R14.20
R, 15, 67, 4
50648, 5194, 23.7, R14.21
R, 16, 67, 4
50611, 5326, 24.1, R14.22
R, 17, 67, 4
50574, 5354, 23.7, R14.23
R, 18, 67, 4
50568, 5440, 24.3, R14.24
R, 19, 67, 4
50503, 5496, 23.7, R14.25
R, 20, 67, 4
50475, 5559, 24.5, R14.26
R, 21, 67, 4
50471, 5611, 24.5, R14.27
R, 22, 67, 4
50428, 5671, 24.7, R14.28
R, 23, 67, 4
50309, 6110, 19.9, R14.29
R, 24, 67, 4
50205, 6154, 21.6, R14.30

D, 4.5
All, All
K, 0
All, All

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGMENT 14 - POINSETTIA TO PALOMAR AIRPORT ROAD - CALIBRATION

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	-	5.*							B10.1	86.3	
2	-	5.*							B10.2	70.4	
3	-	5.*							B10.3	131.2	
4	-	5.*							B10.4	183.6	
5	-	5.*							B10.5	271.8	
6	-	5.*							B10.6	330.3	
7	-	5.*							B10.7	200.3	
8	-	5.*							B10.8	72.5	
9	-	5.*							B10.9	284.9	
10	-	5.*							B10.10	208.4	
11	-	5.*							B11.2	322.9	
12	-	5.*							B11.3	256.8	
13	-	5.*							B11.4	183.6	
14	-	5.*							B11.5	168.9	
15	-	5.*							B11.6	123.2	
16	-	5.*							B11.7	.0	
17	-	5.*							B11.7	90.5	
18	-	5.*							B11.8	.0	
19	-	5.*							B11.8	118.9	
20	-	5.*							B11.9	286.1	
21	-	5.*							B11.10	285.2	
22	-	5.*							B12.2	214.6	
23	-	5.*							B12.3	.0	
24	-	5.*							B12.3	193.9	
25	-	5.*							B12.4	187.8	
26	-	5.*							B12.5	167.6	
27	-	5.*							B12.6	293.5	
28	-	0.*							B12.7	205.5	
29	-	0.*							B12.8	66.0	
30	-	0.*							B12.9	197.4	
31	-	0.*							B15.1	266.8	
32	-	0.*							B15.2	228.9	
33	-	0.*							B15.3	117.6	
34	-	0.*							B15.4	186.3	
35	-	0.*							B15.5	152.0	
36	-	0.*							B15.6	156.4	
37	-	0.*							B15.7	202.9	
38	-	0.*							B15.8	144.4	
39	-	0.*							B15.9	186.2	

40	-	0.*	B15.10	203.8
41	-	0.*	B20.1	112.3
42	-	0.*	B20.2	104.2
43	-	0.*	B20.3	133.0
44	-	0.*	B20.4	65.3
45	-	26.*	B13.1	94.5
46	-	26.*	B13.2	211.8
47	-	26.*	B14.1	62.5
48	-	26.*	B14.2	267.1
49	-	26.*	B14.3	285.6
50	-	26.*	B17.1	245.1
51	-	26.*	B17.2	130.8
52	-	26.*	B18.1	174.9
53	-	26.*	B18.2	96.9
54	-	3.*	B62.3	268.6
55	-	3.*	B62.4	418.5
56	-	3.*	B62.5	299.3
57	-	3.*	B62.6	278.9
58	-	3.*	B62.7	384.6
59	-	3.*	B62.8	359.6
60	-	3.*	B62.9	472.6
61	-	3.*	B62.10	355.2
62	-	3.*	B63.2	413.9
63	-	3.*	B63.3	349.3
64	-	3.*	B63.4	334.7
65	-	3.*	B63.5	355.1
66	-	3.*	B63.6	397.7
67	-	3.*	B63.7	396.2
68	-	3.*	B63.8	202.5
69	-	3.*	B63.9	298.0
70	-	3.*	B63.10	494.5
71	-	3.*	B64.2	339.0
72	-	3.*	B64.3	331.6
73	-	3.*	B64.4	368.2
74	-	3.*	B64.5	292.0
75	-	3.*	B64.6	267.0
76	-	3.*	B64.7	311.1
77	-	3.*	B64.8	328.7
78	-	3.*	B64.9	294.9
79	-	3.*	B64.10	441.7
80	-	3.*	B65.2	384.4

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0 1 2 3 4 5 6 7

1

REC	REC ID	DNL	PEOPLE	LEQ(CAL)
1	R14.7	67.	500.	69.1

```
 2  R14.8    67.    500.   69.4
 3  R14.9    67.    500.   71.2
 4  R14.10   67.    500.   71.3
 5  R14.11   67.    500.   73.9
 6  R14.12   67.    500.   74.1
 7  R14.13   67.    500.   70.4
 8  R14.14   67.    500.   73.4
 9  R14.15   67.    500.   72.7
10  R14.16   67.    500.   72.0
11  R14.17   67.    500.   75.4
12  R14.18   67.    500.   72.0
13  R14.19   67.    500.   74.1
14  R14.20   67.    500.   71.4
15  R14.21   67.    500.   75.2
16  R14.22   67.    500.   73.2
17  R14.23   67.    500.   74.6
18  R14.24   67.    500.   70.3
19  R14.25   67.    500.   74.0
20  R14.26   67.    500.   74.2
21  R14.27   67.    500.   70.4
22  R14.28   67.    500.   73.7
23  R14.29   67.    500.   66.1
24  R14.30   67.    500.   63.4
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.
 5. 5. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.26.26.26.26.26.26.
26.26.26. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
 3. 3. 3. 3. 3.
```

Segment 16
Roadway Segment 16 Cannon Rd to Tamarack Ave. Calibration
T RW Seg 16NB Truck, 1
0, 0, 0, 0, 0, 0
T RW Seg 16NB Car, 2
3588, 41, 82.5, 41, 150, 41
T RW Seg 16NB HOV, 3
3588, 41, 82.5, 41, 0, 0
T RW Seg 16NB Ramp, 4
0, 0, 0, 0, 0, 0
T RW Seg 16SB Truck, 5
0, 0, 0, 0, 0, 0
T RW Seg 16SB Car, 6
2667, 71, 54, 71, 177, 71
T RW Seg 16SB HOV, 7
2667, 71, 54, 71, 0, 0
T RW Seg 16SB Ramp, 8
0, 0, 0, 0, 0, 0
L I-5 Seg 16NB Truck, 1
N, 98938.160 , 8917.620 , 9.5 , Sta.793
N, 98935.300 , 9019.210 , 6.5 , Sta.794
N, 98929.530 , 9118.040 , 5.5 , Sta.795
N, 98925.670 , 9220.420 , 8 , Sta.796
N, 98907.400 , 9323.010 , 9.5 , Sta.797
N, 98871.770 , 9421.030 , 10.5 , Sta.798
N, 98827.570 , 9511.870 , 11 , Sta.799
N, 98785.790 , 9602.280 , 12 , Sta.800
N, 98742.270 , 9692.620 , 13.5 , Sta.801
N, 98698.280 , 9782.310 , 14.75 , Sta.802
N, 98654.69 , 9872.56 , 15 , Sta.803
98613.18 , 9962.77 , 15.6 , Sta.804
L I-5 Seg 16NB Cars, 2
N, 98930.840 , 8918.530 , 9.5 , Sta.793
N, 98925.950 , 9018.640 , 6.5 , Sta.794
N, 98921.740 , 9118.640 , 5.5 , Sta.795
N, 98916.780 , 9219.520 , 8 , Sta.796
Y, 98899.020 , 9320.710 , 9.5 , Sta.797
Y, 98863.420 , 9417.360 , 10.5 , Sta.798
N, 98819.680 , 9507.990 , 11 , Sta.799
N, 98777.990 , 9598.670 , 12.5 , Sta.800
N, 98733.440 , 9688.760 , 13.75 , Sta.801
N, 98690.030 , 9778.240 , 15 , Sta.802
N, 98648.69 , 9869.67 , 15.8 , Sta.803
98605.40 , 9958.79 , 17.7 , Sta.804
L I-5 Seg 16NB HOV, 3
N, 98920.90 , 8917.72 , 9.5 , Sta.793
N, 98917.29 , 9018.29 , 6.65 , Sta.794
N, 98913.69 , 9118.86 , 5.6 , Sta.795
N, 98908.59 , 9219.66 , 7.4 , Sta.796
N, 98890.14 , 9318.75 , 8.83 , Sta.797
N, 98855.59 , 9413.70 , 10.22 , Sta.798
N, 98812.85 , 9504.63 , 11.26 , Sta.799
N, 98770.52 , 9593.66 , 12.6 , Sta.800
N, 98727.15 , 9685.40 , 13.7 , Sta.801
N, 98684.85 , 9774.90 , 14.87 , Sta.802
N, 98639.88 , 9865.24 , 16 , Sta.803

98597.42 , 9955.39 , 17.7 , Sta.804
L I-5 Seg 16NB Off Ramp, 4
N, 98871.770 , 9421.030 , 10.5 , Sta.798
N, 98834.640 , 9514.810 , 11.5 , Sta.799
Y, 98799.750 , 9608.500 , 12.5 , Sta.800
Y, 98764.130 , 9701.810 , 17 , Sta.801
Y, 98730.830 , 9795.540 , 20.5 , Sta.802
98714.800 , 9852.250 , 23.11 , Sta.802.5
L I-5 Seg 16SB Truck, 5
N, 98566.78 , 9941.43 , 17.5 , Sta.804
N, 98610.75 , 9850.65 , 15.75 , Sta.803
N, 98650.81 , 9761.09 , 14.5 , Sta.802
N, 98693.53 , 9670.21 , 13.5 , Sta.801
N, 98735.87 , 9579.3 , 12 , Sta.800
N, 98778.66 , 9488.51 , 11 , Sta.799
N, 98821.45 , 9398.25 , 8.5 , Sta.798
N, 98854.55 , 9309.36 , 7.5 , Sta.797
N, 98871.46 , 9214.68 , 6 , Sta.796
N, 98876.34 , 9117.21 , 5.5 , Sta.795
Y, 98880.69 , 9016.94 , 6 , Sta.794
98884.54 , 8918.7 , 9.5 , Sta.793
L I-5 Seg 16SB Cars, 6
N, 98574.38 , 9945.01 , 17.7 , Sta.804
N, 98616.93 , 9854.16 , 15.8 , Sta.803
N, 98659.7 , 9765.27 , 14.75 , Sta.802
N, 98701.23 , 9673.82 , 13.5 , Sta.801
N, 98743.93 , 9582.87 , 12.5 , Sta.800
N, 98787.1 , 9492.86 , 11 , Sta.799
N, 98829.98 , 9402.23 , 9 , Sta.798
N, 98862 , 9311.05 , 8 , Sta.797
N, 98880.43 , 9216.08 , 6.5 , Sta.796
N, 98884.72 , 9116.81 , 5.5 , Sta.795
N, 98888.64 , 9017.11 , 6.5 , Sta.794
98893.74 , 8918.15 , 9.5 , Sta.793
L I-5 Seg 16SB HOV, 7
N, 98582.75 , 9949.08 , 17.7 , Sta.804
N, 98625.9 , 9858.5 , 15.8 , Sta.803
N, 98667.59 , 9768.29 , 15 , Sta.802
N, 98709.58 , 9677.59 , 14 , Sta.801
N, 98753.19 , 9587.53 , 12.5 , Sta.800
N, 98796.03 , 9497.29 , 11 , Sta.799
N, 98838.12 , 9405.96 , 9.5 , Sta.798
N, 98871.77 , 9314.19 , 8.5 , Sta.797
N, 98890.1 , 9216.93 , 7 , Sta.796
N, 98894.71 , 9117.25 , 5.75 , Sta.795
N, 98899.07 , 9017.61 , 6.5 , Sta.794
N, 98902.53 , 8918.25 , 9.5 , Sta.793
L I-5 Seg 16SB On Ramp from Tamarack Ave, 8
N, 98591.67 , 9784.79 , 20 , Sta.802.5
N, 98624.55 , 9746.42 , 20.1 , Sta.802
N, 98679.42 , 9662.12 , 14 , Sta.801
N, 98728.09 , 9575.54 , 12.1 , Sta.800
N, 98773.41 , 9486.14 , 10.7 , Sta.799
98821.45 , 9398.25 , 8.5 , Sta.798
Barrier 1 Bridge Barrier NB, 1, 2, 0, 0
98949.22, 8919.02, 9.20, 10.20, 793N

98947.19, 8976.94, 7.50, 8.50, 793.55N
98947.19, 8976.94, 7.50, 7.50, 793.55N
98945.38, 9020.66, 6.29, 6.29, 794N
Barrier 2 Soundwall 1 NB, 2, 2, 0, 0
98945.38, 9020.66, 6.29, 6.29, 794N
98940.26, 9119.16, 5.50, 5.50, 795N
98936.4, 9221.54, 8.00, 8.00, 796N
98915.96, 9325.4, 10.00, 10.00, 797N
98888, 9408.26, 10.50, 10.50, 797.9N
98893.32, 9410.26, 12.00, 12.00, 797.9N
98886.74, 9431.63, 16.00, 16.00, 798.05
98879.53, 9454.63, 19.50, 19.50, 798.3
98870.38, 9478.11, 20.10, 20.10, 798.5N
98842.6, 9550.19, 20.80, 20.80, 799.3N
98816.04, 9617.91, 21.80, 21.80, 800N
Barrier 3 Soundwall 2 NB, 3, 2, 0, 0
98816.04, 9617.91, 21.80, 21.80, 800N
98810.63, 9631.62, 21.5, 21.50, 800.15N
98810.63, 9631.62, 21.5, 23.02, 800.15N
98781.07, 9705.75, 22.4, 23.92, 801N
98751.94, 9781.6, 23.5, 25.02, 801.8N
Barrier 4 Terrain Line NB, 4, 2, 0, 0
98751.94, 9781.6, 23.5, 23.50, 801.8N
98738.99, 9846.39, 23.0, 23.00, 802.4N
Barrier 5 Building NB, 5, 2, 0, 0
98885.39, 9492.49, 20.6, 30.59, 796.5N
98877.76, 9506.2518, 20.6, 30.60, 796.75N
Barrier 6 Building NB, 6, 2, 0, 0
98871.58, 9513.26, 20.6, 30.60, 798.8N
98862.58, 9539.57, 20.9, 30.90, 799.1N
Barrier 7 Building NB, 7, 2, 0, 0
98850.22, 9568.48, 21.5, 35.50, 799.4N
98826.65, 9617.18, 21.5, 35.50, 799.95N
Barrier 8 Center Divider Jersey Barrier, 8, 2, 0, 0
98912.1, 8918.53, 9.70, 10.70, 793C
98907.11, 9018.18, 6.65, 7.65, 794C
98903.75, 9117.66, 5.60, 6.60, 795C
98898.07, 9217.63, 7.40, 8.40, 796C
Barrier 9 Center Divider Jersey Barrier, 9, 2, 0, 0
98898.07, 9217.63, 7.40, 8.40, 796C
98880.22, 9316.36, 8.83, 9.83, 797C
98846.47, 9409.73, 10.22, 11.22, 798C
98803.14, 9500.35, 11.26, 12.26, 799C
98760.44, 9590.55, 12.60, 13.60, 800C
98717.84, 9680.98, 13.70, 14.70, 801C
98674.58, 9771.58, 14.87, 15.87, 802C
98632.8, 9862.29, 15.80, 16.80, 803C
98589.76, 9952.35, 17.74, 18.74, 804C
Barrier 10 Soundwall 4 SB, 10, 2, 0, 0
98736.27, 9253.15, 16.65, 16.65, 797S
98834.45, 9265.54, 19.87, 19.87, 796.75S
98834.45, 9265.54, 19.87, 19.87, 796.75S
98821.84, 9327.75, 19.05, 19.05, 797.4S
98801.53, 9408.09, 17.26, 17.26, 798.2S
98776.3, 9462.12, 15.30, 15.30, 798.75S
98733.49, 9551.23, 16, 16.00, 799.75

98723.1, 9569.28, 20.20, 20.20, 799.95S
Barrier 11 Soundwall 3 SB, 11, 2, 0, 0
98723.1, 9569.28, 20.20, 20.20, 799.95S
98715.56, 9581.51, 19.40, 19.40, 800.1S
98715.56, 9581.51, 19.40, 19.40, 800.1S
98658.4, 9681.11, 19.00, 19.00, 801.2S
98658.4, 9681.11, 19.00, 20.83, 801.2S
98646.57, 9701.96, 18.81, 20.64, 801.5S
98614.83, 9740.99, 19.61, 21.44, 802S
98614.83, 9740.99, 19.61, 19.61, 802S
98587.41, 9770.35, 20.30, 20.30, 802.4S
Barrier 12 Building SB, 12, 2, 0, 0
98817.68, 9277.8, 19.80, 29.80, 796.8S
98800.08, 9334.43, 19.80, 29.80, 797.4S
Barrier 13 Building SB, 13, 2, 0, 0
98808.7, 9348.7, 25.00, 35.00, 797.5S
98802.44, 9374.46, 25.00, 35.00, 797.9S
Barrier 14 Building SB, 14, 2, 0, 0
98638.1747, 9680.5904, 19.7, 25.70, 801.35
98630.8258, 9685.8371, 19.7, 25.70, 801.4
98630.8258, 9685.8371, 19.7, 25.70, 801.4
98622.6503, 9673.0083, 19.7, 25.70, 801.35
98622.6503, 9673.0083, 19.7, 25.70, 801.35
98618.0833, 9681.4628, 19.7, 25.70, 801.4
Barrier 15 Building SB, 15, 2, 0, 0
98680.63, 9604.95, 19.00, 29.00, 800.4S
98660.16, 9648.21, 19.00, 29.00, 800.95S
Barrier 16 Terrain Line SB, 16, 2, 0, 0
98821.84, 9327.75, 19.05, 19.05, 797.4S
98771.71, 9457.4, 21.20, 21.20, 798.75S
98771.71, 9457.4, 21.20, 22.42, 798.75S
98739.16, 9524.35, 19.30, 20.52, 799.45S
98739.16, 9524.35, 19.30, 19.30, 799.45S
98719.18, 9567.27, 19.29, 19.29, 799.9S
Barrier 17 Building SB, 17, 2, 0, 0
98776.7, 9410.91, 19.30, 29.30, 789.2S
98766.35, 9442.43, 19.30, 29.30, 798.7S
Barrier 18 Building SB, 18, 2, 0, 0
98734.38, 9436.49, 19.2, 29.20, 798.75
98733.27, 9460.64, 19.6, 29.60, 798.95
98733.27, 9460.64, 19.6, 19.60, 798.95
98738.26, 9471, 19.70, 19.70, 799S
98738.26, 9471, 19.70, 29.70, 799S
98720.37, 9503.72, 19.70, 29.70, 799.3S
98720.37, 9503.72, 19.70, 19.70, 799.3S
98711.66, 9507.1, 19.00, 19.00, 799.5
98711.66, 9507.1, 19.00, 29.00, 799.5
98675.85, 9505.86, 18.95, 28.95, 799.6
Barrier 19 Building SB, 19, 2, 0, 0
98656.63, 9659.85, 19.20, 29.20, 801.1S
98650.26, 9672.51, 19.20, 29.20, 801.15S
Barrier 20 Building SB, 20, 2, 0, 0
98622.77, 9716.28, 19.60, 29.60, 801.75S
98617.48, 9734, 19.60, 29.60, 801.95S
R 16.1, 1 ,55, 1
98976.46, 9319.16, 2.5, R16.1

R 16.2, 2 ,55, 1
98984.94, 9404.18, 13.5, R16.2
R 16.3, 3 ,55, 2
98885.11, 9439.81, 21.0, LT16.1-R3
R 16.4, 4 ,55, 20
98885.44, 9524.84, 23.4, R16.4
R 16.5, 5 ,55, 37
98848.62, 9597.27, 23.2, R16.5
R 16.6, 6 ,55, 44
98789.7, 9697.72, 24.4, ST16.2-R6
R 16.7, 7 ,55, 44
98776.1858, 9726.8125, 24.1, R16.7
R 16.8, 8 ,55, 1
98605.9, 9734.17, 21.2, R16.8
R 16.9, 9 ,55, 2
98595.63, 9722.51, 21.2, R16.9
R 16.10, 10 ,55, 2
98647.01, 9687.98, 20.5, LT16.2-R10
R 16.11, 11 ,55, 3
98608.36, 9648.24, 21.1, R16.11
R 16.12, 12 ,55, 12
98657.33, 9614.44, 21.0, R16.12
R 16.13, 13 ,55, 7
98694.1544, 9606.876, 20.2, R16.13
R 16.14, 14 ,55, 3
98730.14, 9518.31, 20.9, R16.14
R16.15, 15 ,55, 27
98713.15, 9478.36, 19.5, R16.15
R 16.16, 16 ,55, 14
98753.61, 9425.12, 20.5, R16.16
R 16.17, 17 ,55, 14
98787.78, 9391.95, 21.9, ST16.1/CAL
R 16.18, 18 ,55, 16
98777.12, 9356.76, 26.5, R16.18
R 16 .19, 19 ,55, 15
98793.58, 9275.54, 21.3, R16.19
R 16.3A, 20 ,55, 2
98876.98, 9487.52, 20.1, R16.3A
R 16.4A, 21 ,55, 20
98837.04, 9576.3, 22.74, R16.4A
D, 4.5
ALL,2,3,4,5,6,7,8,9,10,11,12,13
All,14,15,16,17,18,20,21
K, 0.
All, All

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGMENT 16 CANNON RD TO TAMARACK AVE. CALIBRATION

1

BARRIER DATA
****

BAR ELE	0	1	2	3	4	5	6	7	BARRIER HEIGHTS ID	BAR LENGTH	TYPE
1	-	3.*							793N	190.2	
2	-	2.*							793.55N	3.3	
3	-	0.*							793.55N	143.6	
4	-	0.*							794N	323.6	
5	-	0.*							795N	336.2	
6	-	0.*							796N	347.3	
7	-	0.*							797N	287.0	
8	-	0.*							797.9N	19.3	
9	-	0.*							797.9N	74.5	
10	-	0.*							798.05	79.9	
11	-	0.*							798.3	82.8	
12	-	0.*							798.5N	253.4	
13	-	0.*							799.3N	238.7	
14	-	0.*							800 N	48.4	
15	-	3.*							800.15	5.0	
16	-	5.*							800.15	261.8	
17	-	5.*							801 N	266.7	
18	-	0.*							801.8N	216.7	
19	-	33.*							796.5N	51.7	
20	-	33.*							798.8N	91.2	
21	-	46.*							799.4N	177.4	
22	-	3.*							793C	327.5	
23	-	3.*							794C	326.6	
24	-	3.*							795C	328.6	
25	-	3.*							796C	329.2	
26	-	3.*							797C	325.8	
27	-	3.*							798C	329.5	
28	-	3.*							799C	327.5	
29	-	3.*							800C	327.9	
30	-	3.*							801C	329.5	
31	-	3.*							802C	327.7	
32	-	3.*							803C	327.6	
33	-	0.*							797S	324.8	
34	-	0.*							796.75S	.0	

35	-	0.*	796.75S	208.3
36	-	0.*	797.4S	271.9
37	-	0.*	798.2S	195.8
38	-	0.*	798.75S	324.4
39	-	0.*	799.75	69.7
40	-	0.*	799.95S	47.2
41	-	0.*	800.1S	.0
42	-	0.*	800.1S	376.8
43	-	3.*	801.2S	6.0
44	-	6.*	801.2S	78.6
45	-	6.*	801.5S	165.0
46	-	3.*	802S	6.0
47	-	0.*	802S	131.9
48	-	33.*	796.8S	194.6
49	-	33.*	797.5S	87.0
50	-	20.*	801.35	29.7
51	-	20.*	801.4	.0
52	-	20.*	801.4	49.9
53	-	20.*	801.35	.0
54	-	20.*	801.35	31.5
55	-	33.*	800.4S	157.0
56	-	0.*	797.4S	456.0
57	-	2.*	798.75S	4.0
58	-	4.*	798.75S	244.4
59	-	2.*	799.45S	4.0
60	-	0.*	799.45S	155.3
61	-	33.*	789.2S	108.8
62	-	33.*	798.75	79.3
63	-	16.*	798.95	32.8
64	-	0.*	798.95	37.7
65	-	16.*	799S	32.8
66	-	33.*	799S	122.4
67	-	16.*	799.3S	32.8
68	-	0.*	799.3S	30.7
69	-	16.*	799.5	32.8
70	-	33.*	799.5	117.6
71	-	33.*	801.1S	46.6
72	-	33.*	801.75S	60.6

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0 1 2 3 4 5 6 7

1

REC	REC ID	DNL	PEOPLE	LEQ(CAL)
1	R16.1	67.	500.	64.3
2	R16.2	67.	500.	64.8
3	LT16.1-	67.	500.	73.6

```
 4   R16.4    67.    500.   63.7
 5   R16.5    67.    500.   60.4
 6   ST16.2-  67.    500.   70.0
 7   R16.7    67.    500.   68.8
 8   R16.8    67.    500.   68.7
 9   R16.9    67.    500.   66.5
10   LT16.2-  67.    500.   70.3
11   R16.11   67.    500.   61.8
12   R16.12   67.    500.   62.2
13   R16.13   67.    500.   73.0
14   R16.14   67.    500.   70.2
15   R16.15   67.    500.   59.1
16   R16.16   67.    500.   61.9
17   ST16.1/  67.    500.   71.3
18   R16.18   67.    500.   67.2
19   R16.19   67.    500.   66.7
20   R16.3A   67.    500.   68.1
21   R16.4A   67.    500.   71.7
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 3. 2. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 5. 5. 0.33.33.46. 3. 3. 3. 3.
 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 6. 6. 3. 0.33.33.20.
20.20.20.20.33. 0. 2. 4. 2. 0.33.33.16. 0.16.33.16. 0.16.33.33.33.
```

Segment 17
Roadway Segment 17 SB Tamarack to Carlsbad - Calibration ,
T RW Seg 17NB Car, 3
2640, 65, 123, 65, 297, 55
T RW Seg 17NB Car, 4
2640, 65, 123, 65, 297, 55
T RW Seg 17NB HOV, 5
2640, 65, 123, 65, 0, 55
T RW Seg 17NB HOV, 6
2640, 65, 123, 65, 0, 55
T RW Seg 17NB Ramp, 7
0, 0, 0, 0, 0, 0
T RW Seg 17NB Ramp, 8
0, 0, 0, 0, 0, 0
T RW Seg 17SB Car, 11
2721, 65, 105, 65, 312, 55
T RW Seg 17SB Car, 12
2721, 65, 105, 65, 312, 55
T RW Seg 17SB HOV, 13
2721, 65, 105, 65, 0, 55
T RW Seg 17SB HOV, 14
2721, 65, 105, 65, 0, 55
T RW Seg 17SB Ramp, 15
264, 45, 6, 45, 3, 45
T RW Seg 17SB Ramp, 16
0, 0, 0, 0, 0, 0
L I-5 Seg 17NB Cars, 3
N, 98708.49, 9744.61, 14.3, Sta.801.4
N, 98668.6, 9828.4, 15.3, Sta.802.4
N, 98648.69, 9869.67, 15.8, Sta.803
N, 98605.4, 9958.79, 17.7, Sta.804
N, 98562.45, 10049.94, 20.2, Sta.805
N, 98520.2, 10140.67, 22.7, Sta.806
N, 98482.18, 10232.33, 25.1, Sta.807
N, 98443.82, 10324.84, 26.7, Sta.808
N, 98404.99, 10416.81, 27.2, Sta.809
N, 98367.09, 10509.64, 28.1, Sta.810
N, 98327.83, 10601.14, 28, Sta.811
N, 98289.71, 10693.09, 27.9, Sta.812
N, 98251.16, 10785.85, 28, Sta.813
N, 98213.85, 10878.65, 28.3, Sta.814
98174.61, 10970.74, 28.6, Sta.815,
L I-5 Seg 17NB Cars, 4
N, 98174.61, 10970.74, 28.6, Sta.815
N, 98136.41, 11064.33, 28.7, Sta.816
N, 98097.57, 11155.68, 28.5, Sta.817
N, 98059.3, 11249.22, 27.3, Sta.818
98022.06, 11341, 26.4, Sta.819,
L I-5 Seg 17NB HOV, 5
N, 98700.11, 9740.36, 14.6, Sta.801.4
N, 98659.67, 9823.78, 15.4, Sta.802.4
N, 98639.88, 9865.24, 16, Sta.803
N, 98597.42, 9955.39, 17.7, Sta.804
N, 98553.42, 10045.39, 20.5, Sta.805
N, 98512.6, 10137.09, 23, Sta.806
N, 98473.22, 10228.4, 25.2, Sta.807

N, 98434.49, 10320.83, 26.7, Sta.808
N, 98396.56, 10413.17, 27.7, Sta.809
N, 98358.74, 10505.75, 28, Sta.810
N, 98319.87, 10598.22, 28, Sta.811
N, 98281.2, 10690.34, 28.1, Sta.812
N, 98243.33, 10782.37, 285.3, Sta.813
N, 98205.29, 10874.71, 28.4, Sta.814
98166.62, 10967.35, 28.6, Sta.815,
L I-5 Seg 17NB HOV, 6
N, 98166.62, 10967.35, 28.6, Sta.815
N, 98128.09, 11060.06, 28.7, Sta.816
N, 98089.62, 11152.8, 28.7, Sta.817
N, 98050.87, 11245.4, 28.4, Sta.818
98012.92, 11337.33, 26.4, Sta.819,
L I-5 Seg 17NB On Ramp from Tamarack, 7, , ,
Y, 98714.22, 9853.37, 23.1, Sta.802.5
Y, 98681.64, 9887.52, 21.5, Sta.803
N, 98644.14, 9933.47, 17.5, Sta.803.6
N, 98622.46, 9967.51, 17.2, Sta.804
N, 98576.15, 10056.01, 20, Sta.805
98532.06, 10146.19, 22.5, Sta.806,
L I-5 Seg 17NB Off Ramp to Carsbad Village, 8, , ,
N, 98262, 10790, 27.9, Sta.813
N, 98246.2, 10836.37, 27.9, Sta.813.5
N, 98231.48, 10886, 27.8, Sta.814
Y, 98215.86, 10932.94, 27.1, Sta.814.5
Y, 98200.52, 10980.03, 25.4, Sta.815
N, 98188.98, 11028.91, 23.3, Sta.815.5
98172.73, 11095.57, 23.3, Sta.816.2,
L I-5 Seg 17SB Cars, 11, , ,
N, 97990.41, 11328.3, 26.4, Sta.819
N, 98027.33, 11235.95, 27.3, Sta.818
N, 98065.93, 11142.98, 28.5, Sta.817
N, 98105.1, 11051.27, 28.9, Sta.816
N, 98142.38, 10957.58, 28.5, Sta.815
N, 98181.36, 10865.11, 28.3, Sta.814
N, 98219.4, 10773.18, 28.1, Sta.813
N, 98258.8, 10681.12, 27.8, Sta.812
N, 98297.73, 10588.74, 27.9, Sta.811
N, 98334.96, 10495.55, 28.1, Sta.810
N, 98373.06, 10403.53, 27.7, Sta.809
N, 98411.45, 10310.97, 26.8, Sta.808
N, 98450.84, 10218.5, 25.1, Sta.807
N, 98489.84, 10126.1, 22.7, Sta.806
98530.48, 10034.61, 20.3, Sta.805,
L I-5 Seg 17SB Cars, 12, , ,
N, 98530.48, 10034.61, 20.3, Sta.805
N, 98574.38, 9945.01, 17.7, Sta.804
N, 98616.93, 9854.16, 15.8, Sta.803
N, 98636.72, 9811.66, 15.3, Sta.802.5
98676.67, 9729.01, 14.4, Sta.801.5,
L I-5 Seg 17SB HOV, 13, , ,
N, 97998.97, 11331.67, 26.4, Sta.819
N, 98036.35, 11239.73, 27.5, Sta.818
N, 98075, 11146.68, 28.6, Sta.817
N, 98113.73, 11054.55, 28.9, Sta.816

N, 98151.8, 10961.94, 28.6, Sta.815
N, 98190.42, 10868.76, 28.3, Sta.814
N, 98228.77, 10776.17, 28.3, Sta.813
N, 98266.67, 10683.99, 28.1, Sta.812
N, 98305.03, 10592.11, 28.1, Sta.811
N, 98343.42, 10499.03, 28.2, Sta.810
N, 98381.91, 10407.46, 27.8, Sta.809
N, 98420.08, 10314.66, 26.8, Sta.808
N, 98458.83, 10222.3, 25.3, Sta.807
N, 98497.72, 10129.9, 23, Sta.806
98539.44, 10039.29, 20.3, Sta.805,
L I-5 Seg 17SB HOV, 14, , ,
N, 98539.44, 10039.29, 20.3, Sta.805
N, 98582.75, 9949.08, 17.7, Sta.804
N, 98625.9, 9858.5, 15.8, Sta.803
N, 98645.78, 9816.46, 15.5, Sta.802.5
98685.59, 9733.67, 14.5, Sta.801.5,
L I-5 Seg 17SB Off Ramp to Tamarack, 15, , ,
Y, 98468.1, 10153.45, 23.5, Sta.806.3
N, 98481.6, 10123.9, 22.2, Sta.806
N, 98515.3, 10030.5, 21.2, Sta.805
N, 98554.2, 9936.6, 20.15, Sta.804
N, 98584.6, 9842.5, 20.4, Sta.803
98587.9, 9785.33, 21.9, Sta.802.4,
L I-5 Seg 17SB On Ramp from Carlsbad Village Drive, 16, , ,
Y, 98063.56, 11022.68, 22, Sta.816
Y, 98103.37, 10994.99, 25.1, Sta.815.4
N, 98128.19, 10951.65, 26.7, Sta.815
N, 98148.42, 10904.75, 28, Sta.814.5
N, 98168.43, 10860.17, 28, Sta.814
N, 98185.69, 10819.29, 28, Sta.813.5
98207.44, 10768.06, 27.7, Sta.813
Barrier 1 Center Jersey Barrier , 1, 2, 0, 0
98652.45, 9819.3, 15.40, 16.40, 802.4 C
98632.8, 9862.29, 15.80, 16.80, 803 C
98589.76, 9952.35, 17.74, 18.74, 804 C
98546.74, 10042.25, 20.40, 21.40, 805 C
98504.83, 10133.4, 23.00, 24.00, 806 C
98466.24, 10225.27, 25.26, 26.26, 807 C
98427.79, 10318.14, 26.83, 27.83, 808 C
98388.77, 10410.06, 27.80, 28.80, 809 C
98350.53, 10502.23, 28.32, 29.32, 810 C
98313.01, 10595.1, 28.13, 29.13, 811 C
Barrier 2 Center Jersey Barrier , 2, 2,0,0
98313.01, 10595.1, 28.13, 29.13, 811 C
98273.57, 10687.25, 28.10, 29.10, 812 C
98235.4, 10779.29, 28.32, 29.32, 813 C
98197.75, 10872.08, 28.40, 29.40, 814 C
98158.65, 10964.25, 28.72, 29.72, 815 C
98119.4, 11060.79, 28.90, 29.90, 816 C
Barrier 3 Soundwall ROW SB, 12, 3, 0, 0
98578.80, 9799.76, 20.5, 20.5, 802.6s
98577.70, 9840.95, 20.80, 20.80, 803S
98546.98, 9933.18, 20.20, 20.20, 804S
98546.98, 9933.18, 20.20, 20.75, 804S
98509.64, 10027.2, 21.15, 21.70, 805S

98477.31, 10121.07, 22.70, 23.25, 806S
98473.31, 10119.07, 22.70, 22.70, 806S
98443.22, 10215.71, 24.8, 24.8, 807SR
98404.55, 10307.82, 26.4, 26.4, 808SR
98365.69, 10400.70, 27.45, 27.45, 809SR
98327.84, 10492.16, 28.0, 28., 810SR
Barrier 4 Soundwall ROW SB, 13, 4, 0, 0
98327.84, 10492.16, 28., 28., 810SR
98289.01, 10586.04, 27.78, 27.78, 811SR
98250.81, 10677.83, 27.78, 27.78, 812SR
98203.01, 10766.08, 27.90, 27.90, 813S
98164.34, 10858.21, 28.14, 28.14, 814S
98124.89, 10950.14, 26.50, 26.50, 815S
98114.17, 10973.45, 25.00, 25.00, 815.3S
98095.66, 10995.97, 23.00, 23.00, 815.5S
Barrier 5 Edge of traveled way Bridge SB, 5, 2, 0, 0
98115.28, 10986.90, 28.5, 28.5, 815.4S
98099.32, 11025.63, 28.7, 28.7, 815.8S
98099.32, 11025.63, 28.7, 29.7, 815.8S
98084.77, 11060.95, 28.7, 29.7, 816.1S
98084.77, 11060.95, 28.7, 28.7, 816.1S
98029.15, 11194.19, 27.6, 27.6, 817.6S
Barrier 6 Building SB , 6, 2, 0, 0
98263.7746, 10602.0951, 21.3, 31.3, 811.2SB
98253.9197, 10617.6956, 21.3, 31.3, 811.3SB
Barrier 7 Building SB , 7, 2, 0, 0
98248.4238, 10626.1487, 21.4, 31.4, 811.5SB
98233.3466, 10648.6614, 21.4, 31.4, 811.8SB
Barrier 8 Building SB , 8, 2, 0, 0
98349.4069, 10390.8292, 20.7, 30.7, 809SB
98339.0357, 10405.8712, 20.7, 30.7, 809.2SB
Barrier 9 Building SB, 9, 2, 0, 0
98381.12, 10296.99, 20.3, 30.3, 808SB
98377.9, 10305.78, 20.3, 30.3, 808.1SB
Barrier 10 Building SB, 10, 2, 0, 0
98376.49, 10310.49, 20.3, 30.3, 808.1SB
98371.98, 10318.89, 20.3, 30.3, 808.2SB
Barrier 11 Building SB, 11, 2, 0, 0
98180.05, 10530.50, 20.0, 30.0, 811SB
98258.75, 10583.13, 20.0, 30.0, 811.15SB
Barrier 12 Building SB, 12, 2, 0, 0
98151.14, 10574.03, 20.0, 30.0, 811.75SB
98226.87, 10625.37, 20.0, 30.0, 811.75SB
R 17.17, 1 ,55, 10
98153.53, 10859.65, 24, LT17.4
R 17.18, 2 ,55, 10
98116.27, 10829.17, 22.9, 18SF
R 17.19, 3 ,55, 10
98229.98, 10683.42, 23.2, 19MF
R 17.20, 4 ,55, 6
98238.53, 10612.06, 22.4, 20MF
R 17.21, 5 ,55, 2
98175.46, 10549.9, 20.9, 21MF+SF
R 17.22, 6 ,55, 1
98213.3, 10575.42, 21.8, 22MF
R 17.23, 7 ,55, 6

98258.83, 10581.37, 22.6, 23MF
R 17.24, 8 ,55, 6
98307.4, 10369.36, 21.6, 24MF
R 17.25, 9 ,55, 12
98350.65, 10388.74, 22.6,ST17.4
R 17.26, 10 ,55, 10
98344.64, 10302.39, 21.4, 26MF+SF
R 17.27, 11 ,55, 6
98367.99, 10304.52, 21.5, 27MF+SF
R 17.28, 12 ,55, 16
98421.79, 10193.11, 21.1, LT17.2
R 17.29, 13 ,55, 8
98456.43, 10132.88, 21.0, 29SF
R 17.30, 14 ,55, 8
98441.91, 10124.4, 21.1, 30SF
R 17.31, 15 ,55, 18
98456.71, 10075.56, 21.4, 31MF
R 17.32, 16 ,55, 10
98486.1, 10018.55, 21.4, 32MF
R 17.33, 17 ,55, 12
98498.98, 10022.54, 20, ST17.2/CAL
R 17.34, 18 ,55, 10
98559.38, 9877.33, 21.3, 34MF
D, 4.5
ALL, ALL
K, 0
All, All
K, -5
ALL, 14

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGMENT 17 SB TAMARACK TO CARLSBAD - CALIBRATION ,

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	3.*							802.4	C	155.1
2	-	3.*							803	C	327.6
3	-	3.*							804	C	327.0
4	-	3.*							805	C	329.3
5	-	3.*							806	C	327.0
6	-	3.*							807	C	329.8
7	-	3.*							808	C	327.6
8	-	3.*							809	C	327.4
9	-	3.*							810	C	328.6
10	-	3.*							811	C	328.9
11	-	3.*							812	C	326.8
12	-	3.*							813	C	328.6
13	-	3.*							814	C	328.4
14	-	3.*							815	C	342.0
15	-	0.*							802.6	S	135.3
16	-	0.*							803	S	319.0
17	-	1.*							804	S	1.8
18	-	2.*							804	S	331.9
19	-	2.*							805	S	325.8
20	-	1.*							806	S	14.8
21	-	0.*							806	S	332.2
22	-	0.*							807	SR	327.8
23	-	0.*							808	SR	330.3
24	-	0.*							809	SR	324.8
25	-	0.*							810	SR	333.3
26	-	0.*							811	SR	326.2
27	-	0.*							812	SR	329.2
28	-	0.*							813	S	327.8
29	-	0.*							814	S	328.3
30	-	0.*							815	S	84.3
31	-	0.*							815.3	S	95.9
32	-	0.*							815.4	S	137.3
33	-	2.*							815.8	S	3.2
34	-	3.*							815.8	S	125.4
35	-	2.*							816.1	S	3.2
36	-	0.*							816.1	S	473.7
37	-	33.*							811.2	SB	60.5

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38    -  33.*                        811.5SB    88.9

39    -  33.*                        809SB      60.0

40    -  33.*                        808SB      30.7

41    -  33.*                        808.1SB    31.2

42    -  33.*                        811SB     310.6

43    -  33.*                        811.75S   300.1
--------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
 REC REC ID    DNL  PEOPLE   LEQ(CAL)
 ---------------------------------
  1   LT17.4   67.    500.   69.9
  2   18SF     67.    500.   70.3
  3   19MF     67.    500.   72.3
  4   20MF     67.    500.   69.2
  5   21MF+SF  67.    500.   61.7
  6   22MF     67.    500.   64.6
  7   23MF     67.    500.   71.4
  8   24MF     67.    500.   69.4
  9  ST17.4    67.    500.   72.3
 10   26MF+SF  67.    500.   69.8
 11   27MF+SF  67.    500.   69.7
 12   LT17.2   67.    500.   73.4
 13   29SF     67.    500.   73.0
 14   30SF     67.    500.   67.6
 15   31MF     67.    500.   72.2
 16   32MF     67.    500.   72.5
 17   ST17.2/  67.    500.   71.4
 18   34MF     67.    500.   73.7
 BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
  3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 1. 2. 2. 1. 0. 0. 0. 0. 0.
  0. 0. 0. 0. 0. 0. 0. 2. 3. 2. 0.33.33.33.33.33.33.33.
```

Segment 18
Roadway Segment 18 Carlsbad Village Rd. to Vista Way Highway 78 - North Bound Barriers - Calibration
T RW Seg 18NB Truck, 1
0, 0, 0, 0, 0, 0
T RW Seg 18NB Truck, 2
0, 0, 0, 0, 0, 0
T RW Seg 18NB Car, 3
2411, 68, 120, 68, 270, 68,
T RW Seg 18NB Car, 4
2411, 68, 120, 68, 270, 68,
T RW Seg 18NB HOV, 5
2411, 68, 120, 68, 0, 0
T RW Seg 18NB HOV, 6
2411, 68, 120, 68, 0, 0
T RW Seg 18NB Ramp, 7
0, 0, 0, 0, 0, 0
T RW Seg 18NB Ramp, 8
0, 0, 0, 0, 0, 0
T RW Seg 18NB Ramp, 9
0, 0, 0, 0, 0, 0
T RW Seg 18NB Ramp, 10
114, 45, 6, 45, 0, 0
T RW Seg 18NB Loop, 11
0, 0, 0, 0, 0, 0
T RW Seg 18SB Truck, 12
0, 0, 0, 0, 0, 0
T RW Seg 18SB Truck, 13
0, 0, 0, 0, 0, 0
T RW Seg 18SB Car, 14
2678, 68, 136, 68, 276, 68,
T RW Seg 18SB Car, 15
2678, 68, 136, 68, 276, 68,
T RW Seg 18SB HOV, 16
2678, 68, 136, 68, 0, 0
T RW Seg 18SB HOV, 17
2678, 68, 136, 68, 0, 0
T RW Seg 18SB Loop, 18
0, 0, 0, 0, 0, 0
T RW Seg 18SB Ramp, 19
0, 0, 0, 0, 0, 0
T RW Seg 18SB Ramp, 20
0, 0, 0, 0, 0, 0
T RW Seg 18SB Ramp, 21
114, 45, 6, 45, 0, 0
T RW Seg 18SB Ramp, 22
0, 0, 0, 0, 0, 0
L I-5 Seg 18NB Truck, 1
N, 98220.86, 10881.39, 27.9, Sta.814
N, 98182.62, 10974.62, 28.2, Sta.815
N, 98142.89, 11067.76, 28.5, Sta.816
N, 98105.7, 11158.99, 28.2, Sta.817
N, 98066.21, 11252.13, 27, Sta.818
N, 98028.58, 11343.77, 26.2, Sta.819
N, 97990.25, 11436.3, 25.7, Sta.820
N, 97952.5, 11528.62, 25.6, Sta.821
N, 97912.67, 11620.61, 25.2, Sta.822

N, 97866.15, 11711.22, 23.3, Sta.823
N, 97814.43, 11799.02, 20.7, Sta.824
N, 97762.19, 11885.06, 18, Sta.825
N, 97709.81, 11970.16, 15.7, Sta.826
N, 97657.39, 12054.9, 13.4, Sta.827
 97604.74, 12139.63, 10.4, Sta.828
L I-5 Seg 18NB Truck, 2
N, 97604.74, 12139.63, 10.4, Sta.828
N, 97548.77, 12222.53, 8.8, Sta.829
N, 97498.65, 12308.95, 6.6, Sta.830
N, 97444.78, 12394.1, 6.7, Sta.831
Y, 97393.18, 12478.17, 9.2, Sta.832
N, 97340.87, 12563.93, 12.5, Sta.833
N, 97286.52, 12647.92, 15.5, Sta.834
N, 97228.87, 12732.35, 18.1, Sta.835
 97171.94, 12813.13, 20.8, Sta.836
L I-5 Seg 18NB Cars, 3
N, 98213.85, 10878.65, 28.3, Sta.814
N, 98174.61, 10970.74, 28.6, Sta.815
N, 98135.65, 11064.5, 28.7, Sta.816
N, 98097.57, 11155.68, 28.5, Sta.817
N, 98059.3, 11249.22, 27.3, Sta.818
N, 98022.06, 11341, 26.4, Sta.819
N, 97983.19, 11433.26, 25.8, Sta.820
N, 97944.06, 11525.14, 25.6, Sta.821
N, 97904.6, 11617.78, 25.5, Sta.822
N, 97857.88, 11706.75, 23.2, Sta.823
N, 97808.03, 11795.46, 20.8, Sta.824
N, 97755.11, 11880.05, 17.8, Sta.825
N, 97702.79, 11965.7, 15.8, Sta.826
N, 97650.28, 12050.51, 13.5, Sta.827
 97598.18, 12135.07, 11, Sta.828
L I-5 Seg 18NB Cars, 4
N, 97598.18, 12135.07, 11, Sta.828
N, 97543.97, 12219.42, 8.9, Sta.829
N, 97489.54, 12307.78, 6.6, Sta.830
N, 97439.67, 12390.82, 6.7, Sta.831
Y, 97387.2, 12474.34, 9.3, Sta.832
Y, 97334.2, 12559.7, 12.5, Sta.833
N, 97279.65, 12644.57, 15.6, Sta.834
N, 97223.24, 12728.07, 18.3, Sta.835
 97166.02, 12809.67, 20.8, Sta.836
L I-5 Seg 18NB HOV, 5
N, 98205.29, 10874.71, 28.4, Sta.814
N, 98166.62, 10967.35, 28.6, Sta.815
N, 98127.17, 11060.89, 28.8, Sta.816
N, 98089.62, 11152.8, 28.7, Sta.817
N, 98050.87, 11245.4, 28.4, Sta.818
N, 98012.92, 11337.33, 26.4, Sta.819
N, 97974.08, 11429.43, 26, Sta.820
N, 97936.68, 11522.05, 25.5, Sta.821
N, 97895.78, 11614.04, 24.8, Sta.822
N, 97849.92, 11703.12, 23, Sta.823
N, 97799.68, 11790.48, 20.7, Sta.824
N, 97747.87, 11875.71, 18.3, Sta.825
N, 97694.92, 11960.46, 15.9, Sta.826

N, 97642.61, 12045.77, 13.6, Sta.827
N, 97590.02, 12130.6, 11.5, Sta.828
L I-5 Seg 18NB HOV, 6
N, 97590.02, 12130.6, 11.5, Sta.828
N, 97538.09, 12215.94, 9, Sta.HOV
N, 97485.34, 12300.5, 6.7, Sta.830
N, 97431.99, 12385.85, 6.9, Sta.831
N, 97379.75, 12470.51, 9.4, Sta.832
N, 97328.11, 12555.76, 12.5, Sta.833
N, 97273.77, 12640.27, 15.5, Sta.834
N, 97216.27, 12723.46, 18.3, Sta.835
97158.9, 12805.03, 20.8, Sta.836
L I-5 Seg 18NB NB On Ramp from Carsbad Village Drive, 7
N, 98172.31, 11097.22, 23.3, Sta.816.2
Y, 98138.31, 11139.49, 24.8, Sta.816.75
N, 98122.73, 11167.75, 26.6, Sta.817
N, 98100.7, 11211.78, 26.8, Sta.817.5
N, 98078.22, 11256.55, 26.8, Sta.818
N, 98035.46, 11346.38, 25.7, Sta.819
97996.4, 11439.89, 25.5, Sta.820
L I-5 Seg 18NB NB Off Ramp to Los Flores Drive, 8
N, 97956.78, 11530.85, 27, Sta.821
N, 97917.01, 11622.75, 25.1, Sta.822
N, 97878.03, 11716.78, 23.7, Sta.823
N, 97840.22, 11809.64, 24.3, Sta.824
97822.00, 11877.00, 25.8, Sta.824.8
L I-5 Seg 18NB NB On ramp from Los Flores Drive, 9
Y, 97814.00, 11888.00, 26, Sta.824.7
Y, 97779.07, 11927.87, 21.9, Sta.825.3
Y, 97744.73, 11964.51, 17.7, Sta.825.8
N, 97707.69, 12006.35, 14.7, Sta.826.3
Y, 97671.56, 12051.74, 13.2, Sta.826.9
N, 97638.29, 12101.54, 11, Sta.827.5
N, 97611.29, 12143.33, 11.5, Sta.827.9
97557.91, 12228.37, 8.8, Sta.829
L I-5 Seg 18NB NB Off Ramp to EB SR78, 10
N, 97558.71, 12228.88, 8.8, Sta.829
N, 97506.24, 12313.53, 6.6, Sta.830
Y, 97457.43, 12400.39, 6.7, Sta.831
Y, 97413.32, 12488.31, 11, Sta.832
Y, 97404.5, 12537.78, 16, Sta.832.5
Y, 97408.59, 12586.73, 19, Sta.833
Y, 97423.78, 12630.65, 15, Sta.833.5
N, 97451.87, 12672.73, 11, Sta.834
97526, 12738, 8, Sta.835
L I-5 Seg 18NB NB Off Loop to WB SR78, 11
N, 97444.78, 12394.1, 6.2, Sta.831
N, 97398.24, 12481.76, 8.45, Sta.832
N, 97349.91, 12568.91, 11.2, Sta.833
N, 97325.86, 12612.83, 11.8, Sta.833.6
N, 97303.86, 12657.85, 11.3, Sta.834
Y, 97301.34, 12681.57, 10.8, Sta.834.3
Y, 97321.05, 12702.32, 9.8, Sta.834.6
Y, 97352.09, 12699.3, 8.5, Sta.834.9
N, 97365.51, 12670.73, 6.9, Sta.835.3
97354.41, 12644.89, 6.1, Sta.835.6

L I-5 Seg 18SB Truck, 12
N, 97130.72, 12786.87, 20.5, Sta.836
Y, 97186.1, 12703.44, 18, Sta.835
N, 97273.01, 12575.98, 13.5, Sta.834
Y, 97298.15, 12536.88, 12.3, Sta.833
N, 97349.72, 12451.77, 9, Sta.832
N, 97402.02, 12367.14, 6.5, Sta.831
N, 97455.75, 12281.47, 6.5, Sta.830
N, 97508.11, 12196.93, 8.7, Sta.829
97560.19, 12112.31, 11.1, Sta.828
L I-5 Seg 18SB Truck, 13
N, 97560.19, 12112.31, 11.1, Sta.828
N, 97612.73, 12027.35, 13.4, Sta.827
N, 97666.94, 11943.03, 15.7, Sta.826
N, 97719.25, 11857.94, 18, Sta.825
N, 97772.44, 11773.49, 20.3, Sta.824
N, 97820.86, 11689.19, 22.3, Sta.823
N, 97865.42, 11600.52, 24.2, Sta.822
N, 97905.96, 11509.55, 25.2, Sta.821
N, 97943.58, 11417.38, 25.7, Sta.820
N, 97981.81, 11324.91, 26.2, Sta.819
N, 98020.56, 11233.22, 27.3, Sta.818
N, 98059.38, 11140.49, 28.4, Sta.817
N, 98097.34, 11048.11, 28.75, Sta.816
N, 98135.43, 10954.93, 28.5, Sta.815
98174.41, 10862.99, 28.2, Sta.814
L I-5 Seg 18SB Cars, 14
N, 97137.96, 12791.81, 20.8, Sta.836
N, 97193.32, 12707.9, 18.3, Sta.835
N, 97279.69, 12581.35, 13.6, Sta.834
N, 97305.79, 12541.26, 12.4, Sta.833
N, 97357.58, 12456.6, 9.3, Sta.832
N, 97410.1, 12371.75, 6.7, Sta.831
N, 97462.63, 12285.75, 6.6, Sta.830
N, 97515.79, 12201.44, 8.8, Sta.829
N, 97567.51, 12116.64, 11.1, Sta.828
L I-5 Seg 18SB Cars, 15
N, 97567.51, 12116.64, 11.1, Sta.828
N, 97619.85, 12032.26, 13.5, Sta.827
N, 97673.8, 11947, 15.8, Sta.826
N, 97726.83, 11863.09, 18, Sta.825
N, 97778.35, 11777.43, 20.4, Sta.824
N, 97827.96, 11692.37, 22.7, Sta.823
N, 97872.99, 11604.01, 24.3, Sta.822
N, 97912.96, 11512.5, 25.3, Sta.821
N, 97951.12, 11420.17, 25.8, Sta.820
N, 97990.41, 11328.3, 26.4, Sta.819
N, 98027.33, 11235.95, 27.3, Sta.818
N, 98065.93, 11142.98, 28.5, Sta.817
N, 98103.89, 11050.6, 28.8, Sta.816
N, 98142.38, 10957.58, 28.5, Sta.815
98181.36, 10865.11, 28.3, Sta.814
L I-5 Seg 18SB HOV, 16
N, 97145.23, 12796.07, 20.8, Sta.836
N, 97202.24, 12714.23, 18.4, Sta.835
N, 97287.95, 12586.51, 14, Sta.834

N, 97313.12, 12546.46, 12.4, Sta.833
N, 97366.03, 12461.85, 9.4, Sta.832
N, 97418.75, 12377.49, 6.9, Sta.831
N, 97471.03, 12291.43, 6.7, Sta.830
N, 97523.03, 12206.36, 9, Sta.829
N, 97576.37, 12121.94, 11.4, Sta.828
L I-5 Seg 18SB HOV, 17
N, 97576.37, 12121.94, 11.4, Sta.828
N, 97628.77, 12037.13, 13.7, Sta.827
N, 97681.33, 11952.24, 15.9, Sta.826
N, 97733.71, 11867.14, 18.2, Sta.825
N, 97786.81, 11782.52, 20.6, Sta.824
N, 97835.89, 11696.61, 22.8, Sta.823
N, 97881.05, 11607.57, 24.6, Sta.822
N, 97921.85, 11516.21, 25.4, Sta.821
N, 97959.27, 11423.43, 25.9, Sta.820
N, 97998.97, 11331.67, 26.4, Sta.819
N, 98036.35, 11239.73, 27.5, Sta.818
N, 98075.00, 11146.68, 28.6, Sta.817
N, 98113.07, 11054.98, 28.9, Sta.816
N, 98151.8, 10961.94, 28.6, Sta.815
98190.42, 10868.76, 28.3, Sta.814
L I-5 Seg 18SB Off Loop to SR78, 18
N, 97240.41, 12536.85, 13, Sta.829.75
N, 97248.6, 12471.46, 9, Sta.830.35
N, 97258.67, 12425.35, 9.5, Sta.830.8
N, 97287.52, 12402.95, 12.5, Sta.831.25
N, 97320.97, 12415.16, 16, Sta.831.65
N, 97329.36, 12456.55, 20, Sta.832.15
N, 97289.87, 12531.89, 23, Sta.833
97240.59, 12617.97, 15.2, Sta.834
L I-5 Seg 18SB On Ramp from SR78, 19
Y, 97227.23, 12532.97, 22.9, Sta.833.7
Y, 97237.69, 12455.79, 19, Sta.833
Y, 97258.9, 12405.37, 14.9, Sta.832.5
Y, 97304.49, 12389.5, 10.8, Sta.832
N, 97354.3, 12385.74, 7.7, Sta.831.5
N, 97395.03, 12361.15, 6.4, Sta.831
97449.3, 12277.8, 6.5, Sta.830
L I-5 Seg 18SB SB Offramp to Los Flores Drive, 20
N, 97502.08, 12193.35, 8.7, Sta.829
N, 97552.61, 12107.39, 10.4, Sta.828
N, 97575.69, 12063.68, 11.7, Sta.827.5
N, 97598.18, 12018.22, 14.2, Sta.827
N, 97615.79, 11982.95, 17.1, Sta.826.6
N, 97635.54, 11933.38, 20.8, Sta.826.1
97645.77, 11884.98, 24.2, Sta.825.6
L I-5 Seg 18SB SB Onramp from Los Flores Drive, 21
Y, 97658.62, 11883.82, 24.7, Sta.825.5
Y, 97698.77, 11845.68, 21.2, Sta.825
N, 97730.41, 11809.17, 18.8, Sta.824.5
N, 97760.72, 11767.5, 19.8, Sta.824
N, 97785.87, 11726.75, 20.8, Sta.823.5
N, 97811.44, 11684.74, 22.1, Sta.823
N, 97858.47, 11598.57, 23.8, Sta.822
97900.11, 11507.59, 25.2, Sta.821

L I-5 Seg 18SB SB Offramp to Carsbad Village Drive, 22
N, 97938.84, 11415.38, 25.7, Sta.820
N, 97977.57, 11323.28, 26.1, Sta.819
N, 98008.01, 11227.95, 26.7, Sta.818
N, 98023.92, 11180.28, 26.1, Sta.817.5
N, 98036.73, 11132.3, 24.5, Sta.817
  98063.76, 11022.37, 22.5, Sta.815.8
Barrier 1 Soundwall ROW NB, 1, 2, 0, 0
98171.30, 11115.71, 24.20, 24.20, 816.3N
98131.70, 11171.21, 25.60, 25.60, 817N
98131.70, 11171.21, 25.60, 25.60, 817N
98082.93, 11259.06, 26.50, 26.50, 818N
98040.22, 11348.68, 26.30, 26.30, 819N
98000.41, 11440.45, 25.50, 25.50, 820N
97961.90, 11533.12, 25.50, 25.50, 821N
97922.17, 11625.61, 26.50, 26.50, 822N
97883.96, 11719.24, 26.00, 26.00, 823N
97848.43, 11811.8, 26.00, 26.00, 824N
Barrier 2 Soundwall ROW NB, 2, 2, 0, 0
97848.43, 11811.8, 26.00, 26.00, 824N
97837.20, 11873.94, 26.50, 26.50, 824.6N
97837.20, 11873.94, 26.50, 26.50, 824.6N
97825.72, 11889.84, 26.00, 26.00, 824.8N
97825.72, 11889.84, 26.00, 26.00, 824.8N
97804.66, 11917.37, 25.70, 25.70, 825N
97747.65, 11996.17, 25.50, 25.50, 826N
97692.22, 12077.22, 25.60, 25.60, 827N
97647.01, 12143.43, 24.60, 24.60, 827.8N
Barrier 3 Terrain Line NB, 3, 2, 0, 0
97647.01, 12143.43, 24.60, 24.60, 827.8NT
97743.26, 12171.77, 26.00, 26.00, 827.6
Barrier 4 Center Divider, 4, 2, 0, 0
98119.24, 11060.94, 29.00, 30.00, 816C
98081.54, 11149.62, 28.20, 29.20, 817C
98043.94, 11242.76, 27.00, 28.00, 818C
98005.63, 11334.39, 26.50, 27.50, 819C
97966.94, 11426.86, 25.90, 26.90, 820C
97928.24, 11518.68, 25.60, 26.60, 821C
97888.72, 11610.88, 24.70, 25.70, 822C
97842.98, 11699.62, 22.80, 23.80, 823C
97793.7, 11786.45, 20.50, 21.50, 824C
97741.2, 11871.89, 18.40, 19.40, 825C
Barrier 5 Center Divider -Cont., 5, 2, 0, 0
97741.2, 11871.89, 18.40, 19.40, 825C
97688.6, 11956.31, 16.00, 17.00, 826C
97635.48, 12041.31, 13.70, 14.70, 827C
97583.91, 12126.27, 11.50, 12.50, 828C
97531.05, 12211.33, 9.00, 10.00, 829C
97425.72, 12381.82, 6.90, 7.90, 831C
97372.89, 12466.18, 9.50, 10.50, 832C
97320.41, 12551.29, 12.50, 13.50, 833C
97295.3, 12591.88, 14.00, 15.00, 834C
97266.66, 12635.19, 15.50, 16.50, 834.5C
Barrier 6 Building 1, 6, 2, 0, 0
98095.45, 11303.6012, 26.40, 34.40, 818.4NB
98088.11, 11323.58, 26.40, 34.40, 818.6NB

Barrier 7 Terrain Line NB Las Flores, 7, 2, 0, 0
97772.84, 11883.43, 25.41, 25.41, 824.6NT
97912.13, 11882.16, 31.12, 31.12, 824.2NT
Barrier 8 Bridge edge of traveled way NB, 8, 2, 0, 0
98214.78, 10913.08, 28.30, 28.30, 814.4N
98153.87, 11059.96, 28.70, 28.70, 815.8N
98153.87, 11059.96, 28.70, 29.70, 815.8N
98138.83, 11096.23, 28.70, 29.70, 816.2N
98138.83, 11096.23, 28.70, 28.70, 816.2N
98099.26, 11191.65, 27.80, 27.80, 817.3N
Barrier 9 Bridge edge of traveled way NB, 9, 2, 0, 0
97549.1654, 12249.8416, 8.20, 9.20, 829.2N
97533.4471, 12276.499, 7.40, 8.40, 829.6N
R 18.1, 1 ,55, 4.00
98112.60, 11319.58, 29.00, 18.1 SF
R 18.1A, 2 ,55, 4.00
98047.13, 11432.88, 28.92, 18.1A SF
R 18.2, 3 ,55, 5.00
98014.72, 11515.03, 28.50, 18.2 SF
R 18.2A, 4 ,55, 6.00
97967.29, 11575.43, 28.08, 18.2A Park
R 18.3, 5 ,55, 6.00
97970.91, 11614.39, 30.00, LT18.1
R 18.4, 6 ,55, 2.00
98008.73, 11760.49, 34.00, 18.4 School
R 18.5, 7 ,55, 3.00
97934.20, 11754.79, 32.00, ST18.3
R 18.6, 8 ,55, 1.00
97905.78, 11846.99, 32.00, 18.6 SF
R 18.7, 9 ,55, 1.00
97869.11, 11839.57, 29.00, 18.7 SF
R 18.7A, 10 ,55, 3.00
97807.10, 11933.07, 27.60, 18.7A SF
R 18.8, 11 ,55, 1.00
97785.73, 12127.11, 30.00, 18.8 SF
R 18.9, 12 ,55, 1.00
97722.86, 12140.08, 28.00, 18.9 SF
D, 4.5
A,A
ALL, ALL
K, 0.
All, All
K, -5
All, 6

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGMENT 18 CARLSBAD VILLAGE RD. TO VISTA WAY HIGHWAY 78 - NORTH BOUND BA

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	- 0.*								816.3N	223.7	
2	- 0.*								817N	.0	
3	- 0.*								817N	329.6	
4	- 0.*								818N	325.7	
5	- 0.*								819N	328.2	
6	- 0.*								820N	329.2	
7	- 0.*								821N	330.3	
8	- 0.*								822N	331.8	
9	- 0.*								823N	325.2	
10	- 0.*								824N	207.2	
11	- 0.*								824.6N	.0	
12	- 0.*								824.6N	64.4	
13	- 0.*								824.8N	.0	
14	- 0.*								824.8N	113.7	
15	- 0.*								825N	319.0	
16	- 0.*								826N	322.2	
17	- 0.*								827N	263.0	
18	- 0.*								827.8NT	329.2	
19	- 3.*								816C	316.1	
20	- 3.*								817C	329.6	
21	- 3.*								818C	325.8	
22	- 3.*								819C	328.9	
23	- 3.*								820C	326.8	
24	- 3.*								821C	329.1	
25	- 3.*								822C	327.6	
26	- 3.*								823C	327.7	
27	- 3.*								824C	329.1	
28	- 3.*								825C	326.3	
29	- 3.*								826C	329.0	
30	- 3.*								827C	326.2	
31	- 3.*								828C	328.6	
32	- 3.*								829C	657.6	
33	- 3.*								831C	326.6	
34	- 3.*								832C	328.3	
35	- 3.*								833C	156.6	
36	- 3.*								834C	170.4	
37	- 26.*								818.4NB	69.9	

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38    -  0.*                        824.6NT   457.4

39    -  0.*                        814.4N    521.7
40    -  2.*                        815.8N      3.2
41    -  3.*                        815.8N    128.8
42    -  2.*                        816.2N      3.2
43    -  0.*                        816.2N    338.9

44    -  3.*                        829.2N    101.5
--------------------------------------------------------------------------------
      0   1   2   3   4   5   6   7
1
 REC REC ID    DNL  PEOPLE   LEQ(CAL)
 -------------------------------
  1   18.1 SF  67.    500.   69.7
  2   18.1A S  67.    500.   73.0
  3   18.2 SF  67.    500.   72.8
  4   18.2A P  67.    500.   75.0
  5   LT18.1   67.    500.   72.9
  6   18.4 SC  67.    500.   62.0
  7   ST18.3   67.    500.   70.6
  8   18.6 SF  67.    500.   69.3
  9   18.7 SF  67.    500.   71.3
 10   18.7A S  67.    500.   71.4
 11   18.8 SF  67.    500.   64.2
 12   18.9 SF  67.    500.   66.2
 BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
  0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3.
  3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.26. 0. 0. 2. 3. 2. 0. 3.
```

Roadway Segment 18 Carlsbad Village Rd. to Vista Way Highway 78 South Bound - Calibration
T RW Seg 18NB Truck, 1
0, 0, 0, 0, 0, 0
T RW Seg 18NB Truck, 2
0, 0, 0, 0, 0, 0
T RW Seg 18NB Car, 3
2411, 68, 120, 68, 270, 68,
T RW Seg 18NB Car, 4
2411, 68, 120, 68, 270, 68,
T RW Seg 18NB HOV, 5
2411, 68, 120, 68, 0, 0
T RW Seg 18NB HOV, 6
2411, 68, 120, 68, 0, 0
T RW Seg 18NB Ramp, 7
0, 0, 0, 0, 0, 0
T RW Seg 18NB Ramp, 8
0, 0, 0, 0, 0, 0
T RW Seg 18NB Ramp, 9
0, 0, 0, 0, 0, 0
T RW Seg 18NB Ramp, 10
114, 45, 6, 45, 0, 0
T RW Seg 18NB Loop, 11
0, 0, 0, 0, 0, 0
T RW Seg 18SB Truck, 12
0, 0, 0, 0, 0, 0
T RW Seg 18SB Truck, 13
0, 0, 0, 0, 0, 0
T RW Seg 18SB Car, 14
2678, 68, 136, 68, 276, 68,
T RW Seg 18SB Car, 15
2678, 68, 136, 68, 276, 68,
T RW Seg 18SB HOV, 16
2678, 68, 136, 68, 0, 0
T RW Seg 18SB HOV, 17
2678, 68, 136, 68, 0, 0
T RW Seg 18SB Loop, 18
0, 0, 0, 0, 0, 0
T RW Seg 18SB Ramp, 19
0, 0, 0, 0, 0, 0
T RW Seg 18SB Ramp, 20
0, 0, 0, 0, 0, 0
T RW Seg 18SB Ramp, 21
114, 45, 6, 45, 0, 0
T RW Seg 18SB Ramp, 22
0, 0, 0, 0, 0, 0
L I-5 Seg 18NB Truck, 1
N, 98220.86, 10881.39, 27.9, Sta.814
N, 98182.62, 10974.62, 28.2, Sta.815
N, 98142.89, 11067.76, 28.5, Sta.816
N, 98105.7, 11158.99, 28.2, Sta.817
N, 98066.21, 11252.13, 27, Sta.818
N, 98028.58, 11343.77, 26.2, Sta.819
N, 97990.25, 11436.3, 25.7, Sta.820
N, 97952.5, 11528.62, 25.6, Sta.821
N, 97912.67, 11620.61, 25.2, Sta.822
N, 97866.15, 11711.22, 23.3, Sta.823

N, 97814.43, 11799.02, 20.7, Sta.824
N, 97762.19, 11885.06, 18, Sta.825
N, 97709.81, 11970.16, 15.7, Sta.826
N, 97657.39, 12054.9, 13.4, Sta.827
 97604.74, 12139.63, 10.4, Sta.828
L I-5 Seg 18NB Truck, 2
N, 97604.74, 12139.63, 10.4, Sta.828
N, 97548.77, 12222.53, 8.8, Sta.829
N, 97498.65, 12308.95, 6.6, Sta.830
N, 97444.78, 12394.1, 6.7, Sta.831
Y, 97393.18, 12478.17, 9.2, Sta.832
N, 97340.87, 12563.93, 12.5, Sta.833
N, 97286.52, 12647.92, 15.5, Sta.834
N, 97228.87, 12732.35, 18.1, Sta.835
 97171.94, 12813.13, 20.8, Sta.836
L I-5 Seg 18NB Cars, 3
N, 98213.85, 10878.65, 28.3, Sta.814
N, 98174.61, 10970.74, 28.6, Sta.815
N, 98135.65, 11064.5, 28.7, Sta.816
N, 98097.57, 11155.68, 28.5, Sta.817
N, 98059.3, 11249.22, 27.3, Sta.818
N, 98022.06, 11341, 26.4, Sta.819
N, 97983.19, 11433.26, 25.8, Sta.820
N, 97944.06, 11525.14, 25.6, Sta.821
N, 97904.6, 11617.78, 25.5, Sta.822
N, 97857.88, 11706.75, 23.2, Sta.823
N, 97808.03, 11795.46, 20.8, Sta.824
N, 97755.11, 11880.05, 17.8, Sta.825
N, 97702.79, 11965.7, 15.8, Sta.826
N, 97650.28, 12050.51, 13.5, Sta.827
 97598.18, 12135.07, 11, Sta.828
L I-5 Seg 18NB Cars, 4
N, 97598.18, 12135.07, 11, Sta.828
N, 97543.97, 12219.42, 8.9, Sta.829
N, 97489.54, 12307.78, 6.6, Sta.830
N, 97439.67, 12390.82, 6.7, Sta.831
Y, 97387.2, 12474.34, 9.3, Sta.832
Y, 97334.2, 12559.7, 12.5, Sta.833
N, 97279.65, 12644.57, 15.6, Sta.834
N, 97223.24, 12728.07, 18.3, Sta.835
 97166.02, 12809.67, 20.8, Sta.836
L I-5 Seg 18NB HOV, 5
N, 98205.29, 10874.71, 28.4, Sta.814
N, 98166.62, 10967.35, 28.6, Sta.815
N, 98127.17, 11060.89, 28.8, Sta.816
N, 98089.62, 11152.8, 28.7, Sta.817
N, 98050.87, 11245.4, 28.4, Sta.818
N, 98012.92, 11337.33, 26.4, Sta.819
N, 97974.08, 11429.43, 26, Sta.820
N, 97936.68, 11522.05, 25.5, Sta.821
N, 97895.78, 11614.04, 24.8, Sta.822
N, 97849.92, 11703.12, 23, Sta.823
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N, 97747.87, 11875.71, 18.3, Sta.825
N, 97694.92, 11960.46, 15.9, Sta.826
N, 97642.61, 12045.77, 13.6, Sta.827

N, 97590.02, 12130.6, 11.5, Sta.828
L I-5 Seg 18NB HOV, 6
N, 97590.02, 12130.6, 11.5, Sta.828
N, 97538.09, 12215.94, 9, Sta.HOV
N, 97485.34, 12300.5, 6.7, Sta.830
N, 97431.99, 12385.85, 6.9, Sta.831
N, 97379.75, 12470.51, 9.4, Sta.832
N, 97328.11, 12555.76, 12.5, Sta.833
N, 97273.77, 12640.27, 15.5, Sta.834
N, 97216.27, 12723.46, 18.3, Sta.835
 97158.9, 12805.03, 20.8, Sta.836
L I-5 Seg 18NB NB On Ramp from Carsbad Village Drive, 7
N, 98172.31, 11097.22, 23.3, Sta.816.2
Y, 98138.31, 11139.49, 24.8, Sta.816.75
N, 98122.73, 11167.75, 26.6, Sta.817
N, 98100.7, 11211.78, 26.8, Sta.817.5
N, 98078.22, 11256.55, 26.8, Sta.818
N, 98035.46, 11346.38, 25.7, Sta.819
  97996.4, 11439.89, 25.5, Sta.820
L I-5 Seg 18NB NB Off Ramp to Los Flores Drive, 8
N, 97956.78, 11530.85, 27, Sta.821
N, 97917.01, 11622.75, 25.1, Sta.822
N, 97878.03, 11716.78, 23.7, Sta.823
N, 97840.22, 11809.64, 24.3, Sta.824
 97822.00, 11877.00, 25.8, Sta.824.8
L I-5 Seg 18NB NB On ramp from Los Flores Drive, 9
Y, 97814.00, 11888.00, 26, Sta.824.7
Y, 97779.07, 11927.87, 21.9, Sta.825.3
Y, 97744.73, 11964.51, 17.7, Sta.825.8
N, 97707.69, 12006.35, 14.7, Sta.826.3
Y, 97671.56, 12051.74, 13.2, Sta.826.9
N, 97638.29, 12101.54, 11, Sta.827.5
N, 97611.29, 12143.33, 11.5, Sta.827.9
 97557.91, 12228.37, 8.8, Sta.829
L I-5 Seg 18NB NB Off Ramp to EB SR78, 10
N, 97558.71, 12228.88, 8.8, Sta.829
N, 97506.24, 12313.53, 6.6, Sta.830
Y, 97457.43, 12400.39, 6.7, Sta.831
Y, 97413.32, 12488.31, 11, Sta.832
Y, 97404.5, 12537.78, 16, Sta.832.5
Y, 97408.59, 12586.73, 19, Sta.833
Y, 97423.78, 12630.65, 15, Sta.833.5
N, 97451.87, 12672.73, 11, Sta.834
 97526, 12738, 8, Sta.835
L I-5 Seg 18NB NB Off Loop to WB SR78, 11
N, 97444.78, 12394.1, 6.2, Sta.831
N, 97398.24, 12481.76, 8.45, Sta.832
N, 97349.91, 12568.91, 11.2, Sta.833
N, 97325.86, 12612.83, 11.8, Sta.833.6
N, 97303.86, 12657.85, 11.3, Sta.834
Y, 97301.34, 12681.57, 10.8, Sta.834.3
Y, 97321.05, 12702.32, 9.8, Sta.834.6
Y, 97352.09, 12699.3, 8.5, Sta.834.9
N, 97365.51, 12670.73, 6.9, Sta.835.3
 97354.41, 12644.89, 6.1, Sta.835.6
L I-5 Seg 18SB Truck, 12

N, 97130.72, 12786.87, 20.5, Sta.836
Y, 97186.1, 12703.44, 18, Sta.835
N, 97273.01, 12575.98, 13.5, Sta.834
Y, 97298.15, 12536.88, 12.3, Sta.833
N, 97349.72, 12451.77, 9, Sta.832
N, 97402.02, 12367.14, 6.5, Sta.831
N, 97455.75, 12281.47, 6.5, Sta.830
N, 97508.11, 12196.93, 8.7, Sta.829
 97560.19, 12112.31, 11.1, Sta.828
L I-5 Seg 18SB Truck, 13
N, 97560.19, 12112.31, 11.1, Sta.828
N, 97612.73, 12027.35, 13.4, Sta.827
N, 97666.94, 11943.03, 15.7, Sta.826
N, 97719.25, 11857.94, 18, Sta.825
N, 97772.44, 11773.49, 20.3, Sta.824
N, 97820.86, 11689.19, 22.3, Sta.823
N, 97865.42, 11600.52, 24.2, Sta.822
N, 97905.96, 11509.55, 25.2, Sta.821
N, 97943.58, 11417.38, 25.7, Sta.820
N, 97981.81, 11324.91, 26.2, Sta.819
N, 98020.56, 11233.22, 27.3, Sta.818
N, 98059.38, 11140.49, 28.4, Sta.817
N, 98097.34, 11048.11, 28.75, Sta.816
N, 98135.43, 10954.93, 28.5, Sta.815
 98174.41, 10862.99, 28.2, Sta.814
L I-5 Seg 18SB Cars, 14
N, 97137.96, 12791.81, 20.8, Sta.836
N, 97193.32, 12707.9, 18.3, Sta.835
N, 97279.69, 12581.35, 13.6, Sta.834
N, 97305.79, 12541.26, 12.4, Sta.833
N, 97357.58, 12456.6, 9.3, Sta.832
N, 97410.1, 12371.75, 6.7, Sta.831
N, 97462.63, 12285.75, 6.6, Sta.830
N, 97515.79, 12201.44, 8.8, Sta.829
N, 97567.51, 12116.64, 11.1, Sta.828
L I-5 Seg 18SB Cars, 15
N, 97567.51, 12116.64, 11.1, Sta.828
N, 97619.85, 12032.26, 13.5, Sta.827
N, 97673.8, 11947, 15.8, Sta.826
N, 97726.83, 11863.09, 18, Sta.825
N, 97778.35, 11777.43, 20.4, Sta.824
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N, 97872.99, 11604.01, 24.3, Sta.822
N, 97912.96, 11512.5, 25.3, Sta.821
N, 97951.12, 11420.17, 25.8, Sta.820
N, 97990.41, 11328.3, 26.4, Sta.819
N, 98027.33, 11235.95, 27.3, Sta.818
N, 98065.93, 11142.98, 28.5, Sta.817
N, 98103.89, 11050.6, 28.8, Sta.816
N, 98142.38, 10957.58, 28.5, Sta.815
 98181.36, 10865.11, 28.3, Sta.814
L I-5 Seg 18SB HOV, 16
N, 97145.23, 12796.07, 20.8, Sta.836
N, 97202.24, 12714.23, 18.4, Sta.835
N, 97287.95, 12586.51, 14, Sta.834
N, 97313.12, 12546.46, 12.4, Sta.833

N, 97366.03, 12461.85, 9.4, Sta.832
N, 97418.75, 12377.49, 6.9, Sta.831
N, 97471.03, 12291.43, 6.7, Sta.830
N, 97523.03, 12206.36, 9, Sta.829
N, 97576.37, 12121.94, 11.4, Sta.828
L I-5 Seg 18SB HOV, 17
N, 97576.37, 12121.94, 11.4, Sta.828
N, 97628.77, 12037.13, 13.7, Sta.827
N, 97681.33, 11952.24, 15.9, Sta.826
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N, 97786.81, 11782.52, 20.6, Sta.824
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N, 97921.85, 11516.21, 25.4, Sta.821
N, 97959.27, 11423.43, 25.9, Sta.820
N, 97998.97, 11331.67, 26.4, Sta.819
N, 98036.35, 11239.73, 27.5, Sta.818
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N, 98151.8, 10961.94, 28.6, Sta.815
98190.42, 10868.76, 28.3, Sta.814
L I-5 Seg 18SB Off Loop to SR78, 18
N, 97240.41, 12536.85, 13, Sta.829.75
N, 97248.6, 12471.46, 9, Sta.830.35
N, 97258.67, 12425.35, 9.5, Sta.830.8
N, 97287.52, 12402.95, 12.5, Sta.831.25
N, 97320.97, 12415.16, 16, Sta.831.65
N, 97329.36, 12456.55, 20, Sta.832.15
N, 97289.87, 12531.89, 23, Sta.833
97240.59, 12617.97, 15.2, Sta.834
L I-5 Seg 18SB On Ramp from SR78, 19
Y, 97227.23, 12532.97, 22.9, Sta.833.7
Y, 97237.69, 12455.79, 19, Sta.833
Y, 97258.9, 12405.37, 14.9, Sta.832.5
Y, 97304.49, 12389.5, 10.8, Sta.832
N, 97354.3, 12385.74, 7.7, Sta.831.5
N, 97395.03, 12361.15, 6.4, Sta.831
97449.3, 12277.8, 6.5, Sta.830
L I-5 Seg 18SB SB Offramp to Los Flores Drive, 20
N, 97502.08, 12193.35, 8.7, Sta.829
N, 97552.61, 12107.39, 10.4, Sta.828
N, 97575.69, 12063.68, 11.7, Sta.827.5
N, 97598.18, 12018.22, 14.2, Sta.827
N, 97615.79, 11982.95, 17.1, Sta.826.6
N, 97635.54, 11933.38, 20.8, Sta.826.1
97645.77, 11884.98, 24.2, Sta.825.6
L I-5 Seg 18SB SB Onramp from Los Flores Drive, 21
Y, 97658.62, 11883.82, 24.7, Sta.825.5
Y, 97698.77, 11845.68, 21.2, Sta.825
N, 97730.41, 11809.17, 18.8, Sta.824.5
N, 97760.72, 11767.5, 19.8, Sta.824
N, 97785.87, 11726.75, 20.8, Sta.823.5
N, 97811.44, 11684.74, 22.1, Sta.823
N, 97858.47, 11598.57, 23.8, Sta.822
97900.11, 11507.59, 25.2, Sta.821
L I-5 Seg 18SB SB Offramp to Carsbad Village Drive, 22

N, 97938.84, 11415.38, 25.7, Sta.820
N, 97977.57, 11323.28, 26.1, Sta.819
N, 98008.01, 11227.95, 26.7, Sta.818
N, 98023.92, 11180.28, 26.1, Sta.817.5
N, 98036.73, 11132.3, 24.5, Sta.817
 98063.76, 11022.37, 22.5, Sta.815.8
Barrier 1 Soundwall ROW SB, 1, 2, 0, 0
98046.2, 11046.62, 23.50, 23.50, 816.15S
98026.08, 11142.8, 23.70, 23.70, 817.15S
98003.42, 11228.08, 24.00, 24.00, 818S
97976.4, 11297.18, 24.60, 24.60, 818.8S
Barrier 2 ROW Soundwall SB, 2, 2, 0, 0
97976.4, 11297.18, 24.60, 27.10, 818.8S
97963.7, 11339.54, 24.20, 26.70, 819.2S
97932.86, 11412.78, 25.00, 27.50, 820S
97895.58, 11505.4, 24.50, 27.00, 821S
97853.52, 11595.54, 24.20, 26.70, 822S
97807.58, 11682.56, 23.60, 26.10, 823S
97751.42, 11762.72, 23.10, 25.60, 824S
97751.42, 11762.72, 23.10, 25.60, 824S
97732.3, 11787.99, 23.40, 25.90, 824.35S
Barrier 3 Soundwall ROW SB, 3, 2, 0, 0
97732.3, 11787.99, 23.40, 23.40, 824.35S
97732.33, 11798.34, 22.7, 22.70, 824.4S
97715.36, 11816.58, 23.40, 23.40, 824.7S
97654.87, 11859.83, 23.60, 23.60, 825.3S
97651.45, 11871.03, 24.00, 24.00, 825.45S
Barrier 4 Soundwall ROW SB, 4, 2, 0, 0
97651.45, 11871.03, 24.00, 24.00, 825.45S
97632.04, 11901.88, 23.80, 23.80, 825.9S
97632.04, 11901.88, 23.80, 23.80, 825.9S
97626.44, 11921.48, 23.90, 23.90, 826S
97578.18, 12006.78, 23.80, 23.80, 827S
97545.32, 12055.78, 22.75, 22.75, 827.6S
Barrier 5 Soundwall ROW SB, 5, 2, 0, 0
97545.32, 12055.78, 22.75, 22.75, 827.6S
97538.51, 12067.3, 23.18, 23.18, 827.8S
97538.51, 12067.3, 23.18, 23.18, 827.8S
97525.67, 12091.93, 22.70, 22.70, 828S
97509.54, 12125, 19.50, 19.50, 828.4S
97519.61, 12152.59, 13.00, 13.00, 828.5S
97519.61, 12152.59, 13.00, 13.00, 828.5S
97519.97, 12152.01, 13.0, 13.00, 828.6S
97482.92, 12210.43, 8.2, 8.20, 829.2S
Barrier 6 ROW SB, 6, 2, 0, 0
97482.92, 12210.43, 8.2, 8.20, 829.2S
97482.92, 12210.43, 8.2, 9.20, 829.2S
97466, 12237.37, 7.1, 8.10, 829.6S
97466, 12237.37, 7.1, 7.10, 829.6S
97395.91, 12348.09, 6.5, 6.50, 830.9S
97363.23, 12374.88, 8.5, 8.50, 831.2S
97334.02, 12379.68, 9.0, 9.00, 831.6S
97267.75, 12388.38, 11.0, 11.00, 831.9S
97237.64, 12426.15, 15.0, 15.00, 832.4S
97228.63, 12462.93, 20.9, 20.90, 832.75S
Barrier 7 Soundwall ROW SB, 7, 2, 0, 0

97228.63, 12462.93, 20.9, 20.90, 832.75S
97225.57, 12492.14, 22.5, 22.50, 833S
97219.16, 12510.88, 22.9, 22.90, 833.2S
97206.63, 12514.93, 22.9, 22.88, 833.3S
Barrier 8 Terrain Line, 8, 2, 0, 0
97224.35, 12461.26, 20.9, 20.9, 832.8ST
97148.35, 12409.99, 20, 20.0, 832.8ST
Barrier 9 Terrain Line Vista Way, 9, 2, 0, 0
97256.93, 12571.35, 23.5, 23.5, 833.5ST
97111.07, 12466.73, 20.2, 20.2, 833.4ST
Barrier 10 Extended Stay America, 10, 2, 0, 0
97947.32, 11162.9, 23.8, 37.8, 817.75SB
97982.31, 11181.29, 23.8, 37.8, 817.75SB
97974.06, 11253.46, 23.8, 37.8, 818.4SB
Barrier 11 Retirement Community, 11, 2, 0, 0
97907.86, 11321.4, 23.7, 37.7, 819.2SB
97886.22, 11356.07, 23.7, 37.7, 819.8SB
97888.97, 11409.57, 23.7, 37.7, 820.2SB
97869.78, 11454.85, 23.7, 37.7, 820.75SB
Barrier 12Terrain Line Las Flores SB, 12, 2, 0, 0
97688.95, 11884.21, 25.23, 25.23, 825.3ST
97565.13, 11884.90, 20, 20.00, 826ST
Barrier 13 Terrain Line Jefferson St SB, 13, 2, 0, 0
97541.67, 12062.46, 22.6, 22.60, 827.8ST
97536.51, 12050.53, 22.56, 22.56, 827.6ST
97527.91, 11987.39, 21, 21.00, 827ST
Barrier 14 Building SB, 14, 2, 0, 0
97149.30, 12425.20, 21.2, 31.20, 832.8SB
97170.79, 12447.35, 21.2, 31.20, 832.8SB
Barrier 15 Fence SB, 15, 2, 0, 0
97550.4949, 12001.2819, 23.7, 25.93, 827.1ST
97577.3483, 12001.2533, 23.7, 25.93, 826.9ST
97552.4307, 12040.0014, 23.5, 25.73, 827.4ST
97543.0679, 12039.5134, 23.7, 25.93, 827.5ST
Barrier 16 Center Divider, 16, 2, 0, 0
98119.24, 11060.94, 29.00, 30.00, 816C
98081.54, 11149.62, 28.20, 29.20, 817C
98043.94, 11242.76, 27.00, 28.00, 818C
98005.63, 11334.39, 26.50, 27.50, 819C
97966.94, 11426.86, 25.90, 26.90, 820C
97928.24, 11518.68, 25.60, 26.60, 821C
97888.72, 11610.88, 24.70, 25.70, 822C
97842.98, 11699.62, 22.80, 23.80, 823C
97793.7, 11786.45, 20.50, 21.50, 824C
97741.2, 11871.89, 18.40, 19.40, 825C
Barrier 17 Center Divider -Cont., 17, 2, 0, 0
97741.2, 11871.89, 18.40, 19.40, 825C
97688.6, 11956.31, 16.00, 17.00, 826C
97635.48, 12041.31, 13.70, 14.70, 827C
97583.91, 12126.27, 11.50, 12.50, 828C
97531.05, 12211.33, 9.00, 10.00, 829C
97425.72, 12381.82, 6.90, 7.90, 831C
97372.89, 12466.18, 9.50, 10.50, 832C
97320.41, 12551.29, 12.50, 13.50, 833C
97295.3, 12591.88, 14.00, 15.00, 834C
97266.66, 12635.19, 15.50, 16.50, 834.5C

R 18.10A, 1, 55, 1
97148.69, 12454.40, 22.5, 18.10A SF
R 18.10, 2, 55, 2
97502.00, 12098.39, 25.0, 18.10 SF
R 18.11, 3, 55, 1
97553.73, 12027.33, 25.4, ST18.5 CAL
R 18.12, 4, 55, 1
97567.81, 11986.95, 25.4, 18.12 SF
R 18.13, 5, 55, 1
97591.44, 11923.19, 24.5, 18.13 MF
R 18.14, 6, 55, 4
97609.07, 11864.26, 24.9, 18.14 SF
R 18.15, 7, 55, 2
97658.12, 11806.87, 25.1, 18.15 SF
R 18.16, 8, 55, 2
97687.93, 11795.75, 24.9, 18.16 SF
R 18.17, 9, 55, 2
97711.81, 11794.50, 24.9, ST18.4
R 18.18, 10, 55, 6
97765.64, 11726.47, 24.9, 18.18 SF
R 18.19, 11, 55, 4
97775.70, 11665.04, 25.2, 18.19 SF
R 18.20, 12, 55, 6
97832.66, 11631.47, 25.8, LT18.2
R 18.21, 13, 55, 3
97836.15, 11501.49, 25.0, 18.21 Motel
R 18.22, 14, 55, 3
97885.68, 11507.06, 25.5, 18.22 SF
R 18.23, 15, 55, 3
97868.49, 11406.58, 25.2, 18.23 MF
R 18.24, 16, 55, 2
97907.41, 11415.73, 24.3, St18.2 CAL
R 18.25, 29, 55, 4
97941.98, 11341.37, 23.6, 18.25 MFR
R 18.26, 30, 55, 1
97956.27, 11213.84, 22.5, 18.26 HOT
R 18.27, 31, 55, 3
97951.42, 11136.46, 22.8, ST18.1
D, 4.5
A, A
ALL, ALL
K, 0.
All, All
K,5
6,7,8,11,13

Segment 19
TITLE:
ROADWAY SEGMENT 19 NORTH BOUND VISTA WAY (SR 78) TO OCEANSIDE NB ONLY - CALIBRAT

1

BARRIER DATA
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BAR ELE		BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	0.*								832N	151.0	
2	-	0.*								832.5N	261.2	
3	-	0.*								833.3N	43.9	
4	-	0.*								833.4N	207.1	
5	-	0.*								834.2N	233.8	
6	-	0.*								835N	166.0	
7	-	0.*								835.5N	72.4	
8	-	7.*								835.8N	251.5	
9	-	7.*								836.55N	159.7	
10	-	7.*								837N	124.0	
11	-	7.*								837.4N	91.7	
12	-	6.*								837.8N	29.5	
13	-	6.*								837.85N	291.6	
14	-	6.*								838.8N	170.4	
15	-	6.*								839.25N	140.3	
16	-	6.*								839.7N	145.0	
17	-	6.*								840.1N	.0	
18	-	6.*								840.1N	70.3	
19	-	9.*								840.3N	720.8	
20	-	10.*								842.5N	1.0	
21	-	10.*								842.5N	143.2	
22	-	10.*								843N	200.2	
23	-	10.*								843.5N	77.9	
24	-	10.*								843.7N	32.9	
25	-	0.*								844N	317.6	
26	-	0.*								845N	326.7	
27	-	0.*								846N	324.8	
28	-	0.*								847N	332.1	
29	-	0.*								848N	184.2	
30	-	0.*								837.75N	230.5	
31	-	0.*								843.9NT	289.2	
32	-	0.*								847.6NT	225.3	
33	-	0.*								848.6NT	231.6	
34	-	3.*								832C	328.3	
35	-	3.*								833C	331.1	

36	-	3.*	834C	329.5
37	-	3.*	835C	325.9
38	-	3.*	836C	328.8
39	-	3.*	837C	327.9
40	-	3.*	838C	332.1
41	-	3.*	839C	323.4
42	-	3.*	840C	325.9
43	-	3.*	841C	327.6
44	-	3.*	842C	327.6
45	-	3.*	843C	289.6
46	-	3.*	843.9C	369.1
47	-	3.*	845C	328.0
48	-	3.*	846C	330.1
49	-	3.*	847C	326.3
50	-	3.*	848C	327.5
51	-	3.*	849C	330.8
52	-	3.*	850C	328.3
53	-	3.*	851C	175.0
54	-	3.*	851.5C	483.0
55	-	3.*	853C	328.3
56	-	33.*	847.3NB	166.4
57	-	0.*	847.6NB	225.3
58	-	0.*	837.6N	80.5
59	-	0.*	843.8N	127.4
60	-	23.*	836NB	44.4

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0 1 2 3 4 5 6 7

1

REC	REC ID	DNL	PEOPLE	LEQ(CAL)
1	R19.1	67.	500.	68.8
2	LT19.1	67.	500.	69.1
3	R19.3	67.	500.	68.6
4	R19.4	67.	500.	67.4
5	R19.5	67.	500.	62.0
6	ST19.1	67.	500.	68.8
7	LT19.3	67.	500.	72.6
8	R19.8	67.	500.	71.6
9	ST19.3	67.	500.	67.8
10	R19.10	67.	500.	66.6
11	R19.11	67.	500.	61.5
12	R19.12	67.	500.	71.8
13	R19.13	67.	500.	62.7
14	R19.14	67.	500.	71.7
15	LT19.6	67.	500.	72.5
16	R19.16	67.	500.	73.4
17	ST19.4	67.	500.	69.2
18	R19.18	67.	500.	73.3
19	R19.6A	67.	500.	70.4

BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
0. 0. 0. 0. 0. 0. 0. 7. 7. 7. 7. 6. 6. 6. 6. 6. 6. 6. 9.10.10.10.10.10. 0.
0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
3. 3. 3. 3. 3.33. 0. 0. 0.23.

Roadway Segment 19 Vista Way to Oceanside. South Bound Only - Calibration
T RW Seg 19NB Truck, 1
1970, 65, 126, 64, 363, 60
T RW Seg 19NB Truck, 2
1970, 65, 126, 64, 363, 60
T RW Seg 19NB Car, 3
2696, 65, 126, 64, 0, 0
T RW Seg 19NB Car, 4
2696, 65, 126, 64, 0, 0
T RW Seg 19NB HOV, 5
0, 0, 0, 0, 0, 0
T RW Seg 19NB HOV, 6
0, 0, 0, 0, 0, 0
T RW Seg 19NB Ramp, 7
0, 0, 0, 0, 0, 0
T RW Seg 19NB Loop, 8
0, 0, 0, 0, 0, 0
T RW Seg 19NB Loop, 9
0, 0, 0, 0, 0, 0
T RW Seg 19NB Ramp, 10
0, 0, 0, 0, 0, 0
T RW Seg 19NB Ramp, 11
0, 0, 0, 0, 0, 0
T RW Seg 19SB Truck, 12
0, 0, 0, 0, 0, 0
T RW Seg 19SB Truck, 13
0, 0, 0, 0, 0, 0
T RW Seg 19SB Car, 14
2243, 65, 99, 64, 246, 64,
T RW Seg 19SB Car, 15
2243, 65, 99, 64, 246, 64,
T RW Seg 19SB HOV, 16
2735, 65, 99, 64, 0, 0
T RW Seg 19SB HOV, 17
2735, 65, 99, 64, 0, 0
T RW Seg 19SB Ramp, 18
0, 0, 0, 0, 0, 0
T RW Seg 19SB Ramp, 19
0, 0, 0, 0, 0, 0
T RW Seg 19SB Loop, 20
0, 0, 0, 0, 0, 0
T RW Seg 19SB Ramp, 21
0, 0, 0, 0, 0, 0
T RW Seg 19SB Loop, 22
0, 0, 0, 0, 0, 0
T RW Seg 19SB Ramp, 23
0, 0, 0, 0, 0, 0
L I-5 Seg 19NB Truck, 1
Y, 97393.18, 12478.17, 9.2, Sta.832
N, 97340.87, 12563.93, 12.5, Sta.833
N, 97285.97, 12648.77, 15.5, Sta.834
N, 97228.87, 12732.35, 18.1, Sta.835
N, 97171.94, 12813.13, 20.8, Sta.836
N, 97116.61, 12896.88, 21.9, Sta.837
N, 97059.82, 12979.59, 23, Sta.838
N, 97003.27, 13063.77, 24.3, Sta.839

N, 96945.67, 13144.06, 25.5, Sta.840
N, 96889.96, 13226.09, 26.7, Sta.841
N, 96833.55, 13308.44, 27.1, Sta.842
N, 96777.38, 13390.45, 26, Sta.843
N, 96729.03, 13463.96, 24.9, Sta.843.9
N, 96666.52, 13557.26, 23.5, Sta.845
96609.75, 13640.16, 22.2, Sta.846
L I-5 Seg 19NB Truck- cont, 2
N, 96609.75, 13640.16, 22.2, Sta.846
N, 96553.42, 13723.71, 20.5, Sta.847
N, 96497.18 , 13804.88 , 18.5 , Sta.848
N, 96440.43 , 13888.29 , 16.3 , Sta.849
N, 96384.49 , 13970.91 , 14.2 , Sta.850
N, 96327.79 , 14054.12 , 15 , Sta.851
N, 96297.57 , 14098.66 , 16.3 , Sta.851.5
N, 96213.89 , 14220.75 , 19.8 , Sta.853
96157.96 , 14303.43 , 22.1 , Sta.854
L I-5 Seg 19NB Cars, 3
Y, 97387.2, 12474.34, 9.3, Sta.832
Y, 97334.2, 12559.7, 12.5, Sta.833
N, 97279.65, 12644.57, 15.6, Sta.834
N, 97223.24, 12728.07, 18.3, Sta.835
N, 97166.02, 12809.67, 20.8, Sta.836
N, 97110.23, 12892.47, 22.1, Sta.837
N, 97053.79, 12975.39, 23.2, Sta.838
N, 96996.79, 13059.55, 24.4, Sta.839
N, 96939.57, 13139.58, 25.6, Sta.840
N, 96884.62, 13222.73, 26.7, Sta.841
N, 96827.68, 13304.89, 27.2, Sta.842
N, 96772.18, 13387.16, 26.1, Sta.843
N, 96722.93, 13459.99, 25.1, Sta.843.9
N, 96660.55, 13553.26, 23.6, Sta.845
96604.08, 13636.14, 22.2, Sta.846
L I-5 Seg 19NB Cars - Cont, 4
N, 96604.08, 13636.14, 22.2, Sta.846
N, 96547.11, 13719.42, 20.6, Sta.847
N, 96491.18, 13800.74, 18.6, Sta.848
N, 96434.73, 13884.82, 16.4, Sta.849
N, 96378.15, 13966.78, 14.3, Sta.850
N, 96322.2, 14050.31, 15.2, Sta.851
N, 96291.58, 14093.73, 16.4, Sta.851.5
N, 96206.71, 14215.57, 19.9, Sta.853
96152.6, 14298.14, 22.2, Sta.854
L I-5 Seg 19NB HOV, 5
N, 97379.75, 12470.51, 9.4, Sta.832
N, 97328.11, 12555.76, 12.5, Sta.833
N, 97272.89, 12640.53, 15.5, Sta.834
N, 97216.27, 12723.46, 18.3, Sta.835
N, 97158.9, 12805.03, 20.8, Sta.836
N, 97103.93, 12888.35, 22.2, Sta.837
N, 97047.1, 12970.92, 23.3, Sta.838
N, 96990.91, 13055.18, 24.5, Sta.839
N, 96933.08, 13136.74, 25.8, Sta.840
N, 96878.81, 13218.76, 26.7, Sta.841
N, 96822.08, 13300.75, 27.2, Sta.842
N, 96765.78, 13383.32, 26.3, Sta.843

N, 96716.58, 13455.73, 25.2, Sta.843.9
N, 96653.79, 13549.22, 23.7, Sta.845
N, 96597.09, 13632.1, 22.2, Sta.846
L I-5 Seg 19NB HOV - cont, 6
N, 96597.09, 13632.1, 22.2, Sta.846
N, 96540.2, 13714.15, 20.7, Sta.847
N, 96483.66, 13796.7, 18.7, Sta.848
N, 96427.99, 13879.11, 16.4, Sta.849
N, 96371.79, 13962.23, 14.4, Sta.850
N, 96315.06, 14045.49, 15.3, Sta.851
N, 96284.94, 14090.19, 16.5, Sta.851.5
N, 96201.28, 14212.34, 20, Sta.853
96145.97, 14293.34, 22.4, Sta.854
L I-5 Seg 19NB NB On Ramp from Vista Way SR 78, 7
Y, 97469.59, 12747.05, 10, Sta.832.6
Y, 97437.55, 12731.05, 12.5, Sta.833
Y, 97390.01, 12718.36, 15.25, Sta.833.5
N, 97341.24, 12717.88, 18, Sta.834
N, 97294.51, 12728.41, 19, Sta.834.5
N, 97248.96, 12749.64, 19.38, Sta.835
N, 97213.54, 12779.73, 20, Sta.835.5
N, 97180.7, 12819.84, 20.5, Sta.836
N, 97152.07, 12860.95, 21, Sta.836.5
N, 97122.24, 12900.75, 22, Sta.837
97064.51, 12982.54, 23, Sta.838
L I-5 Seg 19NB NB Off Loop to WB SR78, 8
N, 97444.78, 12394.1, 6.2, Sta.831
N, 97398.24, 12481.76, 8.45, Sta.832
N, 97349.91, 12568.91, 11.2, Sta.833
N, 97325.86, 12612.83, 11.8, Sta.833.6
N, 97303.86, 12657.85, 11.3, Sta.834
Y, 97301.34, 12681.57, 10.8, Sta.834.3
Y, 97321.05, 12702.32, 9.8, Sta.834.6
Y, 97352.09, 12699.3, 8.5, Sta.834.9
N, 97365.51, 12670.73, 6.9, Sta.835.3
97354.41, 12644.89, 6.1, Sta.835.6
L I-5 Seg 19NB NB Off Loop to Ocean Blvd, 9
N, 96385.77, 13969.91, 14.3, Sta.850
N, 96330.51, 14054.09, 14.76, Sta.851
N, 96283.94, 14144.30, 17, Sta.852
N, 96248.35, 14221.79, 16.8, Sta.853.9
Y, 96256.83, 14246.62, 15.52, Sta.853.2
Y, 96272.32, 14259.87, 14.5, Sta.853.4
N, 96300.83, 14261.30, 12.8, Sta.853.8
Y, 96323.64, 14241.01, 11.9, Sta.854.1
96371.03, 14172.22, 8.32, Sta.854.9
L I-5 Seg 19NB NB On Ramp from Ocean Blvd, 10
Y, 96379.37, 14177.40, 8.32, Sta.851.4
Y, 96323.21, 14259.62, 12.7, Sta.852
Y, 96293.58, 14278.23, 14.6, Sta.852.5
N, 96212.64, 14298.19, 18.75, Sta.853.4
N, 96177.91, 14312.11, 20.6, Sta.854.2
N, 96145.56, 14334.01, 22.77, Sta.855
N, 96108.49, 14378.61, 24.22, Sta.856
96054.51, 14456.29, 26.2, Sta.857
L I-5 Seg 19NB NB onramp from California St, 11

N, 96755.89, 13492.34, 32.6, Sta.843.9
N, 96717.42, 13531.68, 29.4, Sta.844.5
N, 96682.25, 13567.95, 25.9, Sta.845
N, 96644.03, 13611.82, 23.2, Sta.845.5
N, 96617.21, 13644.81, 22, Sta.845.95
96558.83, 13727.05, 20.3, Sta.847
L I-5 Seg 19SB Truck, 12
N, 96511.6, 13693.4, 20.5, Sta.847
N, 96567.9, 13611.35, 22, Sta.846
N, 96625.24, 13529.63, 23.5, Sta.845
N, 96689.44, 13437.15, 24.8, Sta.844
N, 96738.45, 13365.4, 26, Sta.843
N, 96794.48, 13282.15, 26.5, Sta.842
N, 96849.05, 13198.73, 26.5, Sta.841
N, 96905.18, 13116.17, 25.4, Sta.840
N, 96961.58, 13034.99, 24.5, Sta.839
N, 97016.94, 12951.08, 23.3, Sta.838
N, 97075.03, 12869.26, 22, Sta.837
N, 97130.72, 12786.87, 20.5, Sta.836
N, 97186.1, 12703.44, 18, Sta.835
Y, 97241.86, 12621.55, 15.2, Sta.834
N, 97298.15, 12536.88, 12.3, Sta.833
97349.72, 12451.77, 9, Sta.832
L I-5 Seg 19SB Truck, cont, 13
96510.83, 13694.86, 20.5, Sta.847
L I-5 Seg 19SB Cars, 14
N, 96519.17, 13699.85, 20.6, Sta.847
N, 96575.32, 13615.98, 22.3, Sta.846
N, 96632.57, 13534.62, 23.6, Sta.845
N, 96696.2, 13441.82, 25, Sta.844
N, 96745.34, 13370.03, 26, Sta.843
N, 96802.3, 13287, 27.3, Sta.842
N, 96857.08, 13204.46, 26.7, Sta.841
N, 96912.18, 13121.45, 25.5, Sta.840
N, 96969.41, 13039.5, 24.3, Sta.839
N, 97024.86, 12955.75, 23.4, Sta.838
N, 97081.97, 12873.51, 22, Sta.837
N, 97137.96, 12791.81, 20.8, Sta.836
N, 97193.32, 12707.9, 18.3, Sta.835
N, 97249.44, 12626.09, 15.3, Sta.834
N, 97305.79, 12541.26, 12.4, Sta.833
97357.58, 12456.6, 9.3, Sta.832
L I-5 Seg 19SB Cars, 15
N, 96126.34, 14280.01, 22.3, Sta.854
Y, 96180.84, 14197.12, 19.9, Sta.853
N, 96265.5, 14075.01, 16.4, Sta.852
N, 96294.66, 14032.11, 15.2, Sta.851
N, 96348.21, 13948.06, 14.3, Sta.850
N, 96405, 13865.01, 16.3, Sta.849
N, 96461.4, 13782.16, 18.2, Sta.848
96518.51, 13699.95, 20.6, Sta.847
L I-5 Seg 19SB HOV, 16
N, 96527.05, 13705.21, 20.8, Sta.847
N, 96583.32, 13622.5, 22.3, Sta.846
N, 96640.42, 13539.84, 23.7, Sta.845
N, 96703.73, 13446.98, 25.2, Sta.844

N, 96752.62, 13374.7, 26.2, Sta.843
N, 96808.88, 13291.58, 27.3, Sta.842
N, 96865.19, 13209.3, 28.8, Sta.841
N, 96920.56, 13127.37, 25.7, Sta.840
N, 96977.1, 13045.33, 24.5, Sta.839
N, 97033.3, 12961.36, 23.2, Sta.838
N, 97090.29, 12879.22, 22.2, Sta.837
N, 97145.23, 12796.07, 20.8, Sta.836
N, 97202.24, 12714.23, 18.4, Sta.835
N, 97258.23, 12631.37, 15.5, Sta.834
N, 97313.12, 12546.46, 12.4, Sta.833
N, 97366.03, 12461.85, 9.4, Sta.832
L I-5 Seg 19SB HOV, 17
N, 96131.72, 14284.35, 22.4, Sta.854
N, 96188.01, 14201.05, 20, Sta.853
N, 96271.61, 14079.71, 16.5, Sta.852
N, 96301.14, 14036.08, 15.3, Sta.851
N, 96356.68, 13952.69, 14.4, Sta.850
N, 96413.15, 13870.85, 16.5, Sta.849
N, 96469.42, 13788.27, 18.7, Sta.848
96526.75, 13705.38, 20.8, Sta.847
L I-5 Seg 19SB SB Onramp from Casidy St, 18
N, 96928.2, 12852.16, 21.8, Sta.838.5
N, 96952.98, 12865.88, 22.5, Sta.838.15
Y, 97023.72, 12868.25, 23.85, Sta.837.4
N, 97064.05, 12857.95, 22, Sta.837
Y, 97123.11, 12781.84, 23.5, Sta.836
Y, 97180.45, 12699.61, 20, Sta.835
97237.25, 12618.76, 15.25, Sta.834
L I-5 Seg 19SB SB Off Ramp to Cassidy St, 19
N, 96849.05, 13198.73, 26, Sta.841
N, 96873.2, 13158.62, 25.5, Sta.840.5
N, 96933.34, 13053.32, 24.25, Sta.839.15
N, 96964.56, 12991, 24.1, Sta.838.6
N, 96969.11, 12937.77, 23.8, Sta.838.5
N, 96954.51, 12890.65, 23, Sta.837.6
96923.63, 12857.93, 21.8, Sta.837
L I-5 Seg 19SB SB On Loop from Oceanside, 20
Y, 96179.19, 14024.44, 6.97, Sta.855.1
Y, 96120.07, 14112.79, 12.8, Sta.854
Y, 96111.92, 14135.63, 14.8, Sta.853.75
Y, 96121.74, 14161.38, 16.5, Sta.853.45
N, 96143.77, 14173.47, 17.5, Sta.853.18
N, 96169.23, 14171.20, 18, Sta.852.9
N, 96191.99, 14148.43, 17.9, Sta.852.55
N, 96227.76 , 14105.90 , 17.55 , Sta.852
L I-5 Seg 19SB SB Off Ramp to Oceanside, 21
N, 95945.79, 14520.32, 28.77, Sta.857
N, 96002.55, 14436.78, 26.74, Sta.856
N, 96051.19, 14349.34, 23.79, Sta.855
Y, 96097.72, 14261.64, 21.1, Sta.854
Y, 96100.20, 14197.46, 18.5, Sta.853.35
Y, 96096.78, 14143.79, 15.64, Sta.852.8
Y, 96116.40, 14098.28, 12.4, Sta.852.35
96171.89, 14017.59, 7.1, Sta.851.4
L I-5 Seg 19SB Off Loop to SR78, 22

N, 97240.41, 12536.85, 13, Sta.829.75
N, 97248.6, 12471.46, 9, Sta.830.35
N, 97258.67, 12425.35, 9.5, Sta.830.8
N, 97287.52, 12402.95, 12.5, Sta.831.25
N, 97320.97, 12415.16, 16, Sta.831.65
N, 97329.36, 12456.55, 20, Sta.832.15
N, 97289.87, 12531.89, 23, Sta.833
97240.59, 12617.97, 15.2, Sta.834
L I-5 Seg 19SB On Ramp from SR78, 23
Y, 97227.23, 12532.97, 22.9, Sta.833.7
Y, 97237.69, 12455.79, 19, Sta.833
Y, 97258.9, 12405.37, 14.9, Sta.832.5
Y, 97304.49, 12389.5, 10.8, Sta.832
N, 97354.3, 12385.74, 7.7, Sta.831.5
N, 97395.03, 12361.15, 6.4, Sta.831
97449.3, 12277.8, 6.5, Sta.830
Barrier 1 Soundwall ROW SB N of Vista Way, 1, 2, 0, 0
97186.0446, 12532.2818, 22.90, 22.90, 833.6S
97135.448, 12606.856, 22.85, 22.85, 834.5S
97155.367, 12620.733, 22.70, 22.70, 834.6S
97156.2303, 12626.6828, 23.00, 23.00, 834.65S
97188.87, 12668.04, 23.30, 23.30, 834.75S
97137.2, 12752.83, 23.90, 23.90, 835.75S
97137.2, 12752.83, 23.90, 25.73, 835.75S
97062.67, 12851.85, 23.90, 25.73, 837S
97022.29, 12857.59, 23.80, 25.63, 837.3S
96976.77, 12859.95, 22.80, 24.63, 837.5S
96930.86, 12843.72, 22.26, 24.09, 837.6S
Barrier 2 Soundwall SB N of Cassidy, 2, 2, 0, 0
96900.47, 12852.8, 21.60, 23.43, 837.9S
96933.86, 12875.85, 21.50, 23.33, 837.9S
96952.65, 12943.75, 23.00, 24.83, 838.2S
96961.94, 12982.4, 23.50, 25.33, 838.6S
96945.08, 13023.7, 24.50, 26.33, 839S
96903.05, 13098.58, 24.50, 26.33, 839.9S
Barrier 3 Soundwall SB N of Cassidy, 3, 2, 0, 0
96903.05, 13098.58, 24.50, 26.33, 839.9S
96854.50, 13065.3, 23.50, 25.33, 839.9S
Barrier 4 Soundwall ROW SB N of Cassidy, 4, 2, 0, 0
96903.05, 13098.27, 24.60, 24.60, 839.9S
96888.20, 13110.83, 24.40, 24.40, 840.05S
96834.58, 13188.45, 25.00, 25.00, 841S
96776.33, 13272.77, 26.10, 26.10, 842S
96765.93, 13287.82, 26.15, 26.15, 842.2S
96765.99, 13311.68, 26.80, 28.63, 842.4S
96733.92, 13359.03, 25.94, 27.77, 843S
96692.6591, 13418.9743, 27.57, 29.40, 843.7S
96687.83, 13426.52, 31.00, 32.83, 843.8S
Barrier 5 ROW SB N of California, 5, 2, 0, 0
96678.6, 13437.7, 31.00, 32.83, 843.9S
96671.48, 13445.22, 27.85, 29.68, 844S
96613.87, 13521.95, 28.72, 30.55, 845S
96555.23, 13600.70, 29.69, 31.52, 846S
96496.07, 13683.01, 29.20, 31.03, 847S
96486.59, 13698.51, 29.66, 31.49, 847.2S
96366.40, 13625.07, 25.27, 27.10, 847.2S

Barrier 6 ROW SB S of Oceanside, 6, 2, 0, 0
96486.71, 13698.42, 29.66, 29.66, 847.2S
96484.68, 13720.20, 19.75, 19.75, 847.5S
96454.79, 13777.89, 18.30, 18.30, 848S
96397.61, 13860.8, 16.36, 16.36, 849S
96341.28, 13942.94, 14.27, 14.27, 850S
96288.65, 14027.9, 14.77, 14.77, 851S
96258.91, 14069.9, 15.76, 15.76, 851.5S
Barrier 7 ROW SB N of Oceanside, 7, 2, 0, 0
96165.082, 14014.308, 7.00, 7.00, 851.75S
96098.2824, 14115.8461, 14.00, 14.00, 852.8S
96091.9264, 14175.5193, 18.00, 18.00, 853.4S
96092.395, 14263.9075, 21.00, 21.00, 854S
Barrier 8 Cassidy St SB, 8, 2, 0, 0
96908.05, 12843.61, 30.00, 30.00, 837.75ST
97027.21, 12925.41, 21.80, 21.80, 837.75ST
Barrier 9 California St SB, 9, 2, 0, 0
96684.15, 13433.29, 31.50, 31.50, 843.9ST
96564.82, 13351.16, 23.50, 23.50, 843.9ST
Barrier 10 Bridge Berm SB, 10, 2, 0, 0
97063.50, 12866.27, 22.30, 22.30, 837ST
97029.25, 12916.24, 29.70, 29.70, 837.7ST
97020.80, 12928.27, 29.70, 29.70, 837.8ST
96976.63, 12998.16, 24.70, 24.70, 838.8ST
96935.00, 13060.00, 24.75, 24.75, 839.4ST
Barrier 11 Ramp Jersey Barrier SB, 11, 2, 0, 0
96961.94, 12982.4, 24.80, 25.83, 838.6S
96935.44, 13039.93, 24.65, 25.65, 839.2SB
96896.37, 13109.29, 25.50, 26.50, 840SB
96843.80, 13194.97, 26.50, 27.50, 841S
96843.80, 13194.97, 26.50, 26.50, 841S
96788.31, 13279.52, 26.92, 26.92, 842S
96765.99, 13311.68, 26.80, 26.80, 842.4S
Barrier 12 Building SB, 12, 2, 0, 0
96725.29, 13322.87, 26.40, 31.90, 842.75SB
96715.64, 13340.28, 26.40, 31.90, 842.9SB
Barrier 13 Building SB, 13, 2, 0, 0
96711.54, 13344.00, 26.40, 31.90, 843SB
96698.10, 13358.28, 26.40, 31.90, 843.15SB
Barrier 14 Building SB, 14, 2, 0, 0
96410.83, 13770.01, 7.70, 11.97, 848.2SB
96401.67, 13783.43, 7.70, 11.97, 848.3SB
Barrier 15 Building SB, 15, 2, 0, 0
96398.59, 13785.99, 7.70, 11.97, 848.35SB
96390.16, 13799.88, 7.70, 11.97, 848.5SB
Barrier 16 Building SB, 16, 2, 0, 0
96915.80, 12997.59, 22.00, 28.10, 839SB
96906.25, 13013.02, 22.00, 28.10, 839.2SB
Barrier 17 Terrain Line Road SB, 17, 2, 0, 0
96687.83, 13426.52, 31.00, 31.00, 843.8S
96678.6, 13437.7, 31.00, 31.00, 843.9S
Barrier 18 Center Divider, 18, 2, 0, 0
97372.89, 12466.18, 9.50, 10.50, 832C
97320.41, 12551.29, 12.50, 13.50, 833C
97265.74, 12636.05, 15.50, 16.50, 834C
97209.21, 12719.03, 18.40, 19.40, 835C

97153.27, 12801.05, 20.80, 21.80, 836C
97096.34, 12883.5, 22.20, 23.20, 837C
97040.21, 12966.18, 23.30, 24.30, 838C
96983.16, 13049.79, 24.50, 25.50, 839C
96928.02, 13131.5, 25.75, 26.75, 840C
96872.52, 13213.88, 26.80, 27.80, 841C
Barrier 19 Center Divider , 19, 2, 0, 0
96872.52, 13213.88, 26.80, 27.80, 841C
96816.22, 13296.34, 27.30, 28.30, 842C
96759.7, 13378.68, 26.30, 27.30, 843C
96709.9, 13451.56, 25.20, 26.20, 843.9C
96646.41, 13544.44, 25.70, 26.70, 845C
96590.37, 13627.16, 22.30, 23.30, 846C
96532.86, 13709.63, 18.70, 19.70, 847C
96477.71, 13792.36, 16.50, 17.50, 848C
96421.28, 13874.68, 14.50, 15.50, 849C
96364.45, 13957.94, 15.30, 16.30, 850C
Barrier 20 Center Divider, 20, 2, 0, 0
96364.45, 13957.94, 15.30, 16.30, 850C
96308, 14040.54, 16.50, 17.50, 851C
96278.04, 14084.69, 16.50, 17.50, 851.5C
96194.56, 14205.91, 20.00, 21.00, 853C
96138.88, 14289.01, 22.40, 23.40, 854C
R 19.19, 1, 55, 12
96237.45, 13982.07, 8.1, R19.19
R 19.20, 2, 55, 12
96314.29, 13860.49, 8.1, R19.20
R 19.21, 3, 55, 4
96391.75, 13802.78, 9.0, ST19.5/CAL
R 19.22, 4, 55, 4
96384.19, 13773.59, 9.5, R19.22
R 19.23, 5, 55, 4
96364.86, 13763.3, 9.7, R19.23
R 19.24, 6, 55, 3
96429.917, 13745.0152, 9.72, R19.24
R 19.25, 7, 55, 1
96473.96, 13673.77, 30.3, R19.25
R 19.26, 8, 55, 4
96499.77, 13666.29, 30.7, R19.26
R 19.27, 9, 55, 4
96586.18, 13546.56, 30.4, LT19.5
R 19.28, 10, 55, 4
96634.67, 13459.13, 29.2, R19.28
R 19.29, 11, 55, 2
96629.74, 13422.02, 27.7, R19.29
R 19.30, 12, 55, 4
96702, 13335.1, 27.3, R19.30
R 19.31, 13, 55, 2
96752.97, 13323.39, 28.0, LT19.4
R 19.32, 14, 55, 3
96753.38, 13238.13, 26.5, R19.32
R 19.33, 15, 55, 4
96786.63, 13183.38, 25.9, R19.33
R 19.34, 16, 55, 4
96843.27, 13098.84, 25.7, R19.34
R 19.35, 17, 55, 1

96872.00, 13098.00, 24.9, ST19.2/CAL
R 19.36, 18, 55, 2
96872.82, 13074.56, 25.1, R19.36
R 19.37, 19, 55, 3
96893.55, 13007.64, 24.7, R19.37
R 19.38, 20, 55, 3
96923.5881, 13034.5728, 25.9, R19.38
R 19.39, 21, 55, 3
96948.31, 12940.59, 23.6, R19.39
R 19.40 , 40 ,55, 2
96931.48 , 12877.55 , 23.3 , R19.40
R 19.41 , 41 ,55, 2
96969.93 , 12853.43 , 24.2 , R19.41
R 19.42, 24, 55, 2
97013.13, 12852.86, 24.5, R19.42
R 19.43, 25, 55, 2
97067.17, 12837.69, 25.1, R19.43
R 19.44, 26, 55, 2
97089.27, 12809.38, 25.3, LT19.2
R 19.45, 27, 55, 3
97074.14, 12789.62, 25.0, R19.45
R 19.46, 28, 55, 3
97158.06, 12672.4, 25.0, R19.46
R 19.47, 29, 55, 5
97127.68, 12654.35, 24.5, R19.47
R 19.48, 30, 55, 3
97148.07, 12541.25, 23.8, R19.48
R 19.49, 31, 55, 1
97131.72, 12528.95, 23.5, R19.49
R 19.50, 32, 55, 1
97117.43, 12517.02, 23.1, R19.50
D, 4.5
ALL, ALL
K, 0.
All, All
K, -5
All, 14,15,16,28,29

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGMENT 19 VISTA WAY TO OCEANSIDE. SOUTH BOUND ONLY - CALIBRATION

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	0.*							833.6S	295.7	
2	-	0.*							834.5S	79.6	
3	-	0.*							834.6S	19.7	
4	-	0.*							834.65S	172.9	
5	-	0.*							834.75S	325.8	
6	-	3.*							835.75S	6.0	
7	-	6.*							835.75S	406.6	
8	-	6.*							837S	133.8	
9	-	6.*							837.3S	149.5	
10	-	6.*							837.5S	159.8	
11	-	6.*							837.9S	133.1	
12	-	6.*							837.9S	231.2	
13	-	6.*							838.2S	130.4	
14	-	6.*							838.6S	146.4	
15	-	6.*							839S	281.7	
16	-	6.*							839.9S	193.1	
17	-	0.*							839.9S	63.8	
18	-	0.*							840.05S	309.5	
19	-	0.*							841S	336.3	
20	-	0.*							842S	60.0	
21	-	3.*							842.2S	78.7	
22	-	6.*							842.4S	187.6	
23	-	6.*							843S	238.9	
24	-	6.*							843.7S	31.5	
25	-	6.*							843.9S	35.5	
26	-	6.*							844S	314.9	
27	-	6.*							845S	322.0	
28	-	6.*							846S	332.6	
29	-	6.*							847S	59.6	
30	-	6.*							847.2S	462.4	
31	-	0.*							847.2S	78.8	
32	-	0.*							847.5S	213.3	
33	-	0.*							848S	330.5	
34	-	0.*							849S	326.8	
35	-	0.*							850S	327.9	
36	-	0.*							851S	168.8	
37	-	0.*							851.75S	399.4	

38	- 0.*	852.8S	197.4
39	- 0.*	853.4S	290.2
40	- 0.*	837.75S	474.9
41	- 0.*	843.9ST	476.0
42	- 0.*	837ST	200.2
43	- 0.*	837.7ST	48.2
44	- 0.*	837.8ST	271.7
45	- 0.*	838.8ST	244.6
46	- 3.*	838.6S	207.7
47	- 3.*	839.2SB	261.2
48	- 3.*	840SB	329.8
49	- 2.*	841S	3.3
50	- 0.*	841S	331.8
51	- 0.*	842S	128.4
52	- 18.*	842.75S	65.3
53	- 18.*	843SB	64.4
54	- 14.*	848.2SB	53.3
55	- 14.*	848.35S	53.3
56	- 20.*	839SB	59.5
57	- 0.*	843.8S	47.5
58	- 3.*	832C	328.3
59	- 3.*	833C	331.1
60	- 3.*	834C	329.5
61	- 3.*	835C	325.9
62	- 3.*	836C	328.8
63	- 3.*	837C	327.9
64	- 3.*	838C	332.1
65	- 3.*	839C	323.4
66	- 3.*	840C	325.9
67	- 3.*	841C	327.6
68	- 3.*	842C	327.6
69	- 3.*	843C	289.6
70	- 3.*	843.9C	369.1
71	- 3.*	845C	328.0
72	- 3.*	846C	330.1
73	- 3.*	847C	326.3
74	- 3.*	848C	327.5
75	- 3.*	849C	330.8
76	- 3.*	850C	328.3
77	- 3.*	851C	175.0
78	- 3.*	851.5C	483.0
79	- 3.*	853C	328.3

```
      0   1   2   3   4   5   6   7
1
 REC REC ID    DNL  PEOPLE   LEQ(CAL)
 --------------------------------
  1  R19.19   67.    500.   69.3
  2  R19.20   67.    500.   68.0
  3  ST19.5/  67.    500.   69.2
  4  R19.22   67.    500.   68.6
  5  R19.23   67.    500.   66.7
  6  R19.24   67.    500.   68.1
  7  R19.25   67.    500.   66.0
  8  R19.26   67.    500.   68.8
  9  LT19.5   67.    500.   69.8
 10  R19.28   67.    500.   68.5
 11  R19.29   67.    500.   65.7
 12  R19.30   67.    500.   66.6
 13  LT19.4   67.    500.   75.0
 14  R19.32   67.    500.   65.8
 15  R19.33   67.    500.   65.7
 16  R19.34   67.    500.   65.6
 17  ST19.2/  67.    500.   71.5
 18  R19.36   67.    500.   70.7
 19  R19.37   67.    500.   67.9
 20  R19.38   67.    500.   72.6
 21  R19.39   67.    500.   67.0
 22  R19.40   67.    500.   64.1
 23  R19.41   67.    500.   66.2
 24  R19.42   67.    500.   67.5
 25  R19.43   67.    500.   71.4
 26  LT19.2   67.    500.   72.1
 27  R19.45   67.    500.   69.1
 28  R19.46   67.    500.   66.4
 29  R19.47   67.    500.   62.7
 30  R19.48   67.    500.   66.7
 31  R19.49   67.    500.   65.3
 32  R19.50   67.    500.   64.2
 BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1
 CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 0. 0. 0. 0. 0. 3. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 0. 0. 0. 0. 3. 6. 6. 6. 6.
 6. 6. 6. 6. 6. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 2. 0.
 0.18.18.14.14.20. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
 3. 3. 3. 3.
```

Segment 20
Roadway Segment 20 NB & SB Oceanside to Mission - Calibration
T RW Seg 20NB Truck, 1
0, 0, 0, 0, 0, 0
T RW Seg 20NB Truck, 2
0, 0, 0, 0, 0, 0
T RW Seg 20NB Car, 3
2753, 71, 108, 65, 228, 65
T RW Seg 20NB Car, 4
2753, 71, 108, 65, 228, 65
T RW Seg 20NB HOV, 5
2753, 71, 108, 65, 0, 0
T RW Seg 20NB HOV, 6
2753, 71, 108, 65, 0, 0
T RW Seg 20NB Ramp, 7
0, 0, 0, 0, 0, 0
T RW Seg 20NB Ramp, 8
0, 0, 0, 0, 0, 0
T RW Seg 20NB Ramp, 9
0, 0, 0, 0, 0, 0
T RW Seg 20NB Loop, 10
0, 0, 0, 0, 0, 0
T RW Seg 20SB Truck, 11
0, 0, 0, 0, 0, 0
T RW Seg 20SB Truck, 12
0, 0, 0, 0, 0, 0
T RW Seg 20SB Car, 13
2579, 71, 105, 65, 228, 65
T RW Seg 20SB Car, 14
2579, 71, 105, 65, 228, 65
T RW Seg 20SB HOV, 15
2753, 71, 105, 65, 0, 0
T RW Seg 20SB HOV, 16
2579, 71, 105, 65, 0, 0
T RW Seg 20SB Loop, 17
0, 0, 0, 0, 0, 0
T RW Seg 20SB Ramp, 18
0, 0, 0, 0, 0, 0
T RW Seg 20SB Loop, 19
0, 0, 0, 0, 0, 0
T RW Seg 20SB Ramp, 20
0, 0, 0, 0, 0, 0
L I-5 Seg 20NB Truck, 1
N, 96287.37, 14113.0494, 16.3, Sta.851.5
N, 96271.18, 14136.9586, 17.4, Sta.852
N, 96215.86, 14218.1333, 19.8, Sta.853
N, 96160.19, 14299.654, 22.1, Sta.854
N, 96103.07, 14383.2955, 24.2, Sta.855
Y, 96046.86, 14465.5978, 25.6, Sta.856
N, 95990.65, 14547.9002, 29, Sta.857
Y, 95936.26, 14634.0277, 31.2, Sta.858
N, 95877.16, 14715.0385, 34.7, Sta.859
Y, 95821.23, 14796.6307, 36.5, Sta.860
N, 95765.30, 14878.2229, 39.9, Sta.861
N, 95705.80, 14960.9454, 42.2, Sta.862
N, 95636.93, 15038.0507, 42.2, Sta.863

N, 95560.91, 15106.4445, 40.8, Sta.864
95477.81, 15166.445, 39.7, Sta.865
L I-5 Seg 20NB Truck, 2
N, 95477.81, 15166.445, 39.7, Sta.865
N, 95422.99, 15202.69, 38, Sta.865.6
N, 95300.58, 15258.57, 34.2, Sta.867
N, 95205.6, 15297.66, 31.2, Sta.868
N, 95112.31, 15335.05, 30.15, Sta.869
L I-5 Seg 20NB Cars, 3
N, 96282.8, 14109.8, 16.4, Sta.851.5
N, 96267.6, 14132.7, 17.5, Sta.852
N, 96211.4, 14215.1, 19.9, Sta.853
N, 96155.0, 14297.4, 22.3, Sta.854
N, 96098.3, 14380.4, 24.3, Sta.855
N, 96042.4, 14462.7, 26.7, Sta.856
N, 95985.6, 14545.5, 29.3, Sta.857
N, 95929.5, 14628.3, 31.3, Sta.858
N, 95872.8, 14711.1, 33.8, Sta.859
N, 95816.7, 14793.2, 36.7, Sta.860
N, 95760.3, 14876.4, 39.7, Sta.861
N, 95701.0, 14958.3, 41.7, Sta.862
N, 95632.6, 15034.6, 41.7, Sta.863
N, 95556.0, 15103.5, 40.4, Sta.864
N, 95473.8, 15161.9, 38.7, Sta.865
L I-5 Seg 20NB Cars, 4
N, 95473.8, 15161.9, 38.7, Sta.865
N, 95414.2, 15197.2, 37.5, Sta.865.6
N, 95295.94, 15251.48, 34.2, Sta.867
N, 95202.74, 15290.91, 31.2, Sta.868
N, 95108.92, 15328.53, 30.25, Sta.869
L I-5 Seg 20NB HOV, 5
N, 96274.6, 14104.2, 16.5, Sta.851.5
N, 96259.0, 14127.3, 17.5, Sta.852
N, 96202.8, 14209.7, 20, Sta.853
N, 96146.2, 14292.5, 22.4, Sta.854
N, 96089.8, 14375.3, 24.4, Sta.855
N, 96033.5, 14458.0, 26.8, Sta.856
N, 95977.4, 14540.3, 29.3, Sta.857
N, 95921.0, 14623.0, 31.3, Sta.858
N, 95864.6, 14705.7, 33.9, Sta.859
N, 95808.2, 14788.3, 36.8, Sta.860
N, 95752.1, 14870.8, 39.8, Sta.861
N, 95693.1, 14952.3, 41.5, Sta.862
N, 95625.8, 15027.6, 41.5, Sta.863
N, 95550.5, 15094.8, 40, Sta.864
N, 95468.6, 15153.8, 38.4, Sta.865
L I-5 Seg 20NB HOV, 6
N, 95468.6, 15153.8, 38.4, Sta.865
N, 95404.34, 15191.54, 37.5, Sta.865.6
N, 95293, 15245.38, 34.1, Sta.867
N, 95199.4, 15284.1, 31.2, Sta.868
N, 95105.42, 15321.19, 30.34, Sta.869
L I-5 Seg 20NB NB Offramp to Ocean Blvd, 7
N, 96385.77, 13969.91, 14.3, Sta.850
N, 96330.51, 14054.09, 14.76, Sta.851
N, 96283.94, 14144.30, 17, Sta.852

N, 96248.35, 14221.79, 16.8, Sta.853.9
Y, 96256.83, 14246.62, 15.52, Sta.853.2
Y, 96272.32, 14259.87, 14.5, Sta.853.4
N, 96300.83, 14261.30, 12.8, Sta.853.8
Y, 96323.64, 14241.01, 11.9, Sta.854.1
96371.03, 14172.22, 8.32, Sta.854.9
L I-5 Seg 20NB NB Onramp from Ocean Blvd, 8
Y, 96379.37, 14177.40, 8.32, Sta.851.4
Y, 96323.21, 14259.62, 12.7, Sta.852
Y, 96293.58, 14278.23, 14.6, Sta.852.5
N, 96212.64, 14298.19, 18.75, Sta.853.4
N, 96177.91, 14312.11, 20.6, Sta.854.2
N, 96145.56, 14334.01, 22.77, Sta.855
N, 96108.49, 14378.61, 24.22, Sta.856
96054.51, 14456.29, 26.2, Sta.857
L I-5 Seg 20NB NB Off Ramp to Misson Ave EB, 9
Y, 95826.3441, 14799.01, 36.7, Sta.860
N, 95772.4444, 14883.51, 40, Sta.861
N, 95716.728, 14967.12, 42.34, Sta.862
N, 95653.6608, 15045.64, 42.27, Sta.863
N, 95579.485, 15113.10, 41.67, Sta.864
N, 95515.1238, 15163.70, 40, Sta.864.8
Y, 95498.5364, 15190.06, 39.4, Sta.865.15
N, 95501.4495, 15217.14, 40.4, Sta.865.4
N, 95514.8645, 15236.26, 40.7, Sta.865.6
95549.323, 15268.63, 41.5, Sta.866.2
L I-5 Seg 20NB NB Off Loop to Misson Ave WB, 10
N, 95579.49, 15113.10, 41.67, Sta.864
N, 95497.75, 15172.05, 39.88, Sta.865
N, 95411.03, 15222.20, 37.5, Sta.866
Y, 95386.13, 15239.73, 37.4, Sta.866.25
N, 95378.75, 15256.98, 37.9, Sta.866.35
Y, 95381.56, 15280.50, 38.9, Sta.866.78
Y, 95397.66, 15298.22, 39.8, Sta.867.05
N, 95424.48, 15302.56, 41.8, Sta.867.35
Y, 95447.92, 15290.25, 41.65, Sta.867.62
N, 95460.00, 15269.14, 42.6, Sta.867.9
Y, 95457.88, 15246.19, 43.3, Sta.868.15
Y, 95443.43, 15225.76, 44.2, Sta.868.4
95434.24, 15218.28, 44.6, Sta.868.5
L I-5 Seg 20SB Truck, 11
N, 95092.93, 15292.55, 30.2, Sta.869
N, 95186.23, 15254.12, 31.2, Sta.868
N, 95277.08, 15216.7, 33.94, Sta.867
N, 95369.45, 15170.66, 35.7, Sta.866
L I-5 Seg 20SB Truck, 12
N, 95369.45, 15170.66, 35.7, Sta.866
N, 95452.27, 15126.30, 37, Sta.865
N, 95530.02, 15070.84, 38.8, Sta.864
N, 95603.23, 15004.80, 40.2, Sta.863
N, 95666.96, 14933.88, 40.2, Sta.862
N, 95725.11, 14852.83, 39.4, Sta.861
N, 95780.88, 14771.63, 36.5, Sta.860
N, 95838.33, 14686.65, 33.5, Sta.859
N, 95893.79, 14605.65, 31, Sta.858
N, 95950.75, 14522.17, 29, Sta.857

N, 96006.51, 14440.43, 26.7, Sta.856
N, 96063.52, 14357.37, 24.2, Sta.855
N, 96119.40, 14275.11, 22, Sta.854
N, 96175.95, 14191.68, 19.7, Sta.853
N, 96231.91, 14110.25, 17.4, Sta.852
96248.68, 14085.27, 16.2, Sta.851.7
L I-5 Seg 20SB Cars, 13
N, 95096.39, 15298.67, 30.36, Sta.869
N, 95188.7, 15260.29, 31.32, Sta.868
N, 95280.93, 15223.14, 33.8, Sta.867
N, 95377.27, 15175.39, 36, Sta.866
L I-5 Seg 20SB Cars, 14
N, 95377.27, 15175.39, 36, Sta.866
N, 95453.91, 15130.84, 37.5, Sta.865
N, 95533.14, 15074.78, 39.2, Sta.864
N, 95606.68, 15007.87, 40.7, Sta.863
N, 95671.69, 14936.05, 40.8, Sta.862
N, 95729.20, 14856.05, 39.6, Sta.861
N, 95785.37, 14774.27, 38.7, Sta.860
N, 95841.41, 14691.92, 33.8, Sta.859
N, 95897.49, 14608.78, 31.3, Sta.858
N, 95954.50, 14525.72, 29.2, Sta.857
N, 96010.72, 14443.14, 26.7, Sta.856
N, 96067.18, 14361.30, 24.3, Sta.855
N, 96123.03, 14279.17, 22.3, Sta.854
N, 96180.21, 14195.34, 19.8, Sta.853
N, 96236.13, 14113.50, 17.5, Sta.852
96253.69, 14088.57, 16.4, Sta.851.7
L I-5 Seg 20SB HOV, 15
N, 95099.09, 15306.33, 30.38, Sta.869
N, 95192.75, 15268.34, 31.8, Sta.868
N, 95284.67, 15230.28, 34, Sta.867
N, 95386.92, 15181.02, 36.5, Sta.866
L I-5 Seg 20SB HOV, 16
N, 95386.92, 15181.02, 36.5, Sta.866
N, 95459.80, 15139.04, 37.9, Sta.865
N, 95539.56, 15082.43, 39.5, Sta.864
N, 95614.15, 15015.63, 41, Sta.863
N, 95679.77, 14942.34, 41, Sta.862
N, 95738.09, 14861.73, 39.6, Sta.861
N, 95794.15, 14779.25, 36.8, Sta.860
N, 95850.93, 14696.00, 33.9, Sta.859
N, 95907.38, 14613.61, 31.4, Sta.858
N, 95963.42, 14531.26, 29.3, Sta.857
N, 96019.85, 14448.34, 26.9, Sta.856
N, 96076.39, 14365.57, 24.4, Sta.855
N, 96132.87, 14283.05, 22.4, Sta.854
N, 96188.47, 14201.41, 20, Sta.853
N, 96245.34, 14117.78, 17.6, Sta.852
96261.90, 14093.69, 16.5, Sta.851.7
L I-5 Seg 20SB SB On Loop from Oceanside Blvd, 17
Y, 96179.19, 14024.44, 6.97, Sta.855.1
Y, 96120.07, 14112.79, 12.8, Sta.854
Y, 96111.92, 14135.63, 14.8, Sta.853.75
Y, 96121.74, 14161.38, 16.5, Sta.853.45
N, 96143.77, 14173.47, 17.5, Sta.853.18

N, 96169.23, 14171.20, 18, Sta.852.9
N, 96191.99, 14148.43, 17.9, Sta.852.55
N, 96227.76, 14105.90, 17.55, Sta.852
N, 96288.39, 14026.15, 15, Sta.851
96344.34, 13944.39, 14.27, Sta.850
L I-5 Seg 20SB SB On Ramp from EB Mission Ave, 18
Y, 95253.43, 15091.55, 36.2, Sta.866.9
N, 95331.06, 15125.01, 39.3, Sta.866
N, 95363.80, 15130.38, 39.5, Sta.865.65
N, 95398.43, 15125.70, 39.5, Sta.865.3
N, 95426.89, 15112.52, 39.5, Sta.865
N, 95513.48, 15062.09, 39.8, Sta.864
N, 95592.28, 15001.48, 39.86, Sta.863
N, 95660.96, 14929.44, 40.5, Sta.862
95721.33, 14849.55, 39.7, Sta.861
L I-5 Seg 20SB SB Onramp Loop from WB Mission Ave, 19
Y, 95294.37, 15134.97, 38.9, Sta.868.75
Y, 95266.62, 15124.66, 36.75, Sta.868.35
Y, 95242.90, 15131.68, 35.05, Sta.868.1
Y, 95228.05, 15151.40, 33.6, Sta.867.85
N, 95229.04, 15178.53, 32.69, Sta.867.55
N, 95246.68, 15198.24, 32.74, Sta.867.25
N, 95274.70, 15204.01, 33.6, Sta.866.9
N, 95362.14, 15169.58, 35.5, Sta.866
N, 95447.88, 15123.93, 37.2, Sta.865
95498.03, 15092.87, 38.25, Sta.864.4
L I-5 Seg 20SB SB Off Ramp to Oceanside, 20
N, 95945.79, 14520.32, 28.77, Sta.857
N, 96002.55, 14436.78, 26.74, Sta.856
N, 96051.19, 14349.34, 23.79, Sta.855
Y, 96097.72, 14261.64, 21.1, Sta.854
Y, 96100.20, 14197.46, 18.5, Sta.853.35
Y, 96096.78, 14143.79, 15.64, Sta.852.8
Y, 96116.40, 14098.28, 12.4, Sta.852.35
96171.89, 14017.59, 7.1, Sta.851.4
Barrier 1 Terrain Line ROW NB, 1, 2, 0, 0
96000.02, 14553.34, 28.70, 28.70, 857N
95943.10, 14636.85, 31.10, 31.10, 858N
95886.18, 14720.35, 33.55, 33.55, 859N
95847.11, 14777.68, 41.50, 41.50, 859.7N
95838.51, 14789.68, 41.00, 41.00, 859.85N
Barrier 2 Soundwall ROW NB, 2, 2, 0, 0
95838.51, 14789.68, 41.00, 41.00, 859.85N
95773.69, 14884.75, 40.75, 40.75, 861N
95717.82, 14968.51, 42.20, 42.20, 862N
95655.00, 15047.42, 42.30, 42.30, 863N
95655.00, 15047.42, 42.30, 42.30, 863N
95582.25, 15116.68, 41.50, 41.50, 864N
95582.25, 15116.68, 41.50, 41.50, 864N
95522.04, 15164.21, 40.50, 40.50, 864.8N
95506.12, 15189.75, 40.20, 40.20, 865.2N
95510.82, 15220.89, 40.60, 40.60, 865.5N
95559.16, 15270.13, 41.60, 41.60, 866.2N
Barrier 3 Terrain NB, 3, 2, 0, 0
95847.25, 14777.89, 41.50, 41.50, 859.7NT
95922.71, 14830.59, 39.66, 39.66, 859.7NT

Barrier 4 Terrain NB, 4, 2, 0, 0
95451.34, 15204.11, 44.30, 44.30, 865.6NT
95513.22, 15240.58, 41.20, 41.20, 856.6NT
Barrier 5 Building NB, 5, 2, 0, 0
95539.63, 15168.93, 41.10, 47.10, 864.6NB
95524.56, 15201.96, 41.10, 47.10, 864.6NB
Barrier 6 Divider Jersey Barrier, 6, 2, 0, 0
96278.49, 14083.85, 16.50, 17.50, 851.5C
96252.04, 14122.63, 17.60, 18.60, 852C
96195.74, 14205.15, 20.00, 21.00, 853C
96139.34, 14287.86, 22.40, 23.40, 854C
96082.99, 14370.47, 24.40, 25.40, 855C
96026.64, 14453.08, 26.80, 27.80, 856C
95970.29, 14535.70, 29.24, 30.24, 857C
95913.94, 14618.31, 31.50, 32.50, 858C
95857.59, 14700.92, 33.80, 34.80, 859C
95801.24, 14783.53, 36.80, 37.80, 860C
Barrier 7 Divider Jersey Barrier, 7, 2, 0, 0
95801.24, 14783.53, 36.80, 37.80, 860C
95744.90, 14866.15, 39.66, 40.66, 861C
95686.33, 14947.22, 41.16, 42.16, 862C
95619.65, 15021.68, 41.30, 42.30, 863C
95545.30, 15088.40, 39.77, 40.77, 864C
95464.12, 15146.63, 38.10, 39.10, 865C
95395.59, 15186.4, 36.70, 37.70, 865.8C
Barrier 8 Soundwall ROW SB, 8, 2, 0, 0
96166.11, 14014.34, 7.00, 8.00, 851.4S
96121.04, 14079.86, 11.60, 12.60, 852.15S
96098.28, 14115.85, 14.00, 15.00, 852.55S
96091.72, 14136.24, 16.40, 17.40, 852.75S
96089.43, 14162.91, 17.60, 18.60, 853S
96089.43, 14162.91, 17.60, 18.60, 853S
96093.62, 14185.07, 18.30, 19.30, 853.2S
96097.37, 14230.89, 20.10, 21.10, 853.7S
96094.78, 14253.91, 20.90, 21.90, 853.95S
96089.13, 14271.87, 21.50, 22.50, 854.15S
Barrier 9 Soundwall ROW SB, 9, 2, 0, 0
96089.13, 14271.87, 21.50, 22.50, 854.15S
96071.79, 14303.94, 23.00, 24.00, 854.5S
96047.70, 14347.21, 23.70, 24.70, 855S
95997.69, 14433.90, 26.60, 27.60, 856S
95984.24, 14453.48, 27.40, 28.40, 856.2S
95968.88, 14476.49, 27.50, 27.50, 856.5S
Barrier 10 Soundwall ROW SB, 10, 2, 0, 0
95984.24, 14453.48, 27.40, 27.40, 856.2S
95933.61, 14500.24, 36.75, 36.75, 856.9S
95933.61, 14500.24, 36.75, 36.75, 856.9S
95928.26, 14520.34, 37.50, 37.50, 857.1S
95918.47, 14531.76, 38.10, 38.10, 857.2S
95876.22, 14596.32, 38.50, 38.50, 858S
95822.23, 14680.79, 39.80, 39.80, 859S
95787.61, 14737.66, 42.30, 42.30, 859.7S
Barrier 11 Soundwall ROW SB, 11, 2, 0, 0
95787.61, 14737.66, 42.30, 42.30, 859.7S
95784.58, 14749.15, 40.10, 40.10, 859.8S
95784.58, 14749.15, 40.10, 43.15, 859.8S

95773.00, 14765.84, 40.20, 43.25, 860S
95716.59, 14847.18, 40.10, 43.15, 861S
95685.72, 14887.87, 40.88, 43.93, 861.55S
95675.03, 14905.18, 40.68, 43.73, 861.75S
Barrier 12 Soundwall ROW SB, 12, 2, 0, 0
95675.03, 14905.18, 40.68, 43.73, 861.75S
95656.22, 14925.45, 40.83, 43.88, 862S
95615.73, 14969.08, 41.24, 44.29, 862.8S
95615.73, 14969.08, 41.24, 41.24, 862.8S
95590.48, 14990.44, 40.75, 40.75, 863S
95517.29, 15047.00, 39.50, 39.50, 864S
95431.93, 15094.67, 38.68, 38.68, 865S
95386.03, 15112.37, 38.17, 38.17, 865.4S
95346.38, 15112.19, 37.80, 37.80, 865.9S
95265.36, 15086.35, 36.38, 36.38, 866.8S
Barrier 13 Terrain SB, 13, 2, 0, 0
95957.16, 14337.30, 30.70, 30.70, 855.4ST
95957.20, 14383.99, 32.00, 32.00, 855.6ST
95957.15, 14418.33, 32.70, 32.70, 856ST
95957.17, 14430.36, 30.70, 30.70, 856.15ST
95939.17, 14434.52, 33.20, 33.20, 856.3ST
95933.61, 14500.24, 36.70, 36.70, 859.9ST
Barrier 14 Terrain SB, 14, 2, 0, 0
95371.22, 15159.43, 41.80, 41.80, 865.8ST
95246.2, 15105.76, 36.5, 36.50, 866ST
Barrier 15 Buiding SB, 15, 2, 0, 0
96054.3845, 14249.1333, 13.60, 23.60, 854SB
96012.72, 14328.5732, 13.70, 23.70, 855SB
Barrier 16 Buiding SB, 16, 2, 0, 0
96120.3472, 14029.6226, 7.58, 17.58, 851.6SB
96097.2824, 14067.539, 7.38, 17.38, 852.2SB
Barrier 17 Terrain Line SB, 17, 2, 0, 0
95765.49, 14719.30, 40.09, 40.09, 859.7ST
95787.61, 14737.66, 42.30, 42.30, 859.7ST
Barrier 18 Terrain line SB, 18, 2, 0, 0
96020.24, 14381.8, 22, 22, 855.5ST
96009.5, 14396.7, 24.1, 24.1, 855.6ST
95988.2, 14413.26, 24, 24, 855.8ST
R 20.1 , 1 ,55, 3
95847.358 , 14852.723 ,43.2 , Baseball
R 20.2 , 2 ,55, 4
95770.4224 , 14932.121, 43.9 , ST20.2
R 20.3 , 3 ,55, 2
95723.6159 , 15002.8807, 44.4 , Hotel
R 20.4 , 4 ,55, 3
95553.1971 , 15235.0448 , 43.7 , Hotel
R 20.5 , 5 ,55, 3
95370.7926 , 15094.5404 , 39.7 , Baseball
R 20.6 , 6 ,55, 3
95476.1300 , 14976.13 , 39.45 , Track
R 20.7 , 7 ,55, 1
95563.0932 , 14990.431 , 42.7 , SF
R 20.8 , 8 ,55, 1
95630.6282 , 14920.35 , 42.7 , SF
R 20.9 , 9 ,55, 1
95633.6123 , 14883.07 , 42.6 , SF

R 20.10 , 10 ,55, 2
95646.5904 , 14890.16 , 42.4 , SF
R 20.11 , 11 ,55, 3
95717.5392 , 14841.6 , 41.4 , LT20.1
R 20.12 , 12 ,55, 20
95722.4888 , 14792.15 , 41.6 , SF
R 20.13 , 13 ,55, 2
95792.0195 , 14710.37, 41.7 , Daycare
R 20.14 , 14 ,55, 5
95795.8506 , 14690.7 , 41.4 , MF
R 20.15 , 15 ,55, 8
95792.4048 , 14649.53 , 42.1 , MF
R 20.16 , 16 ,55, 4
95842.2505 , 14632.02 , 40.8 , MF
R 20.17 , 17 ,55, 5
95831.806 , 14577.4 , 40.5 , SF
R 20.18 , 18 ,55, 4
95884.888 , 14498.94 , 38.7 , SF
R 20.19 , 19 ,55, 3
95887.1225 , 14451.8239 , 39.6 , SF
R 20.20 , 20 ,55, 3
95885.9933 , 14399.59 , 39.7 , SF
R 20.21 , 21 ,55, 1
95958.7882 , 14424.69 , 33.6 , SF
R 20.22 , 22 ,55, 4
95960.1099 , 14388.81 , 33.0 , MF
R 20.23 , 23 ,55, 2
95996.7147 , 14383 , 20.0 , ST20.1/CAL
R 20.24 , 24 ,55, 3
96031.3237 , 14276.41 , 17.4 , MF
R 20.25 , 25 ,55, 4
96037.3671 , 14173.42 , 11.8 , MF
R 20.26 , 26 ,55, 3
96093.1307, 14045.72 , 8.8 , MF
D, 4.5
A,A
ALL, ALL
K, 0.
All, All
k, -5
All,9,10,15,17,18,19,20

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGMENT 20 NB & SB OCEANSIDE TO MISSION - CALIBRATION

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	0.*							857N	331.7	
2	-	0.*							858N	331.6	
3	-	0.*							859N	229.1	
4	-	0.*							859.7N	48.5	
5	-	0.*							859.85N	377.5	
6	-	0.*							861N	330.4	
7	-	0.*							862N	330.9	
8	-	0.*							863N	.0	
9	-	0.*							863N	329.5	
10	-	0.*							864N	.0	
11	-	0.*							864N	251.7	
12	-	0.*							864.8N	98.7	
13	-	0.*							865.2N	103.4	
14	-	0.*							865.5N	226.4	
15	-	0.*							859.7NT	302.1	
16	-	0.*							865.6NT	235.8	
17	-	20.*							864.6NB	119.1	
18	-	3.*							851.5C	154.0	
19	-	3.*							852C	327.8	
20	-	3.*							853C	328.6	
21	-	3.*							854C	328.1	
22	-	3.*							855C	328.2	
23	-	3.*							856C	328.2	
24	-	3.*							857C	328.2	
25	-	3.*							858C	328.2	
26	-	3.*							859C	328.2	
27	-	3.*							860C	328.2	
28	-	3.*							861C	328.1	
29	-	3.*							862C	327.9	
30	-	3.*							863C	327.8	
31	-	3.*							864C	327.8	
32	-	3.*							865C	259.9	
33	-	3.*							851.4S	261.4	
34	-	3.*							852.15S	139.8	
35	-	3.*							852.55S	70.7	
36	-	3.*							852.75S	87.9	

37	-	3.*	853S	.0
38	-	3.*	853S	74.0
39	-	3.*	853.2S	151.0
40	-	3.*	853.7S	76.0
41	-	3.*	853.95S	61.8
42	-	3.*	854.15S	119.7
43	-	3.*	854.5S	162.6
44	-	3.*	855S	328.4
45	-	3.*	856S	78.1
46	-	2.*	856.2S	90.7
47	-	0.*	856.2S	228.2
48	-	0.*	856.9S	.0
49	-	0.*	856.9S	68.2
50	-	0.*	857.1S	49.5
51	-	0.*	857.2S	253.1
52	-	0.*	858S	328.9
53	-	0.*	859S	218.6
54	-	0.*	859.7S	39.6
55	-	5.*	859.8S	10.0
56	-	10.*	859.8S	66.7
57	-	10.*	860S	324.7
58	-	10.*	861S	167.6
59	-	10.*	861.55S	66.7
60	-	10.*	861.75S	90.8
61	-	10.*	862S	195.3
62	-	5.*	862.8S	10.0
63	-	0.*	862.8S	108.4
64	-	0.*	863S	303.6
65	-	0.*	864S	320.7
66	-	0.*	865S	161.4
67	-	0.*	865.4S	130.1
68	-	0.*	865.9S	279.0
69	-	0.*	855.4ST	153.3
70	-	0.*	855.6ST	112.6
71	-	0.*	856ST	40.0
72	-	0.*	856.15S	61.1
73	-	0.*	856.3ST	216.8
74	-	0.*	865.8ST	446.7
75	-	33.*	854SB	294.4
76	-	33.*	851.6SB	145.6
77	-	0.*	859.7ST	94.6
78	-	0.*	855.5ST	60.6
79	-	0.*	855.6ST	88.5

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0 1 2 3 4 5 6 7

1

REC REC ID DNL PEOPLE LEQ(CAL)
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 1 BASEBAL 67. 500. 71.5
 2 ST20.2 67. 500. 74.3
 3 HOTEL 67. 500. 73.8
 4 HOTEL 67. 500. 68.3
 5 BASEBAL 67. 500. 71.2
 6 TRACK 67. 500. 69.0
 7 SF 67. 500. 74.8
 8 SF 67. 500. 71.1
 9 SF 67. 500. 64.5
10 SF 67. 500. 65.1
11 LT20.1 67. 500. 68.4
12 SF 67. 500. 69.0
13 DAYCARE 67. 500. 72.9
14 MF 67. 500. 71.9
15 MF 67. 500. 64.5
16 MF 67. 500. 74.7
17 SF 67. 500. 63.0
18 SF 67. 500. 63.0
19 SF 67. 500. 63.5
20 SF 67. 500. 62.6
21 SF 67. 500. 73.5
22 MF 67. 500. 71.6
23 ST20.1/ 67. 500. 66.6
24 MF 67. 500. 58.7
25 MF 67. 500. 63.0
26 MF 67. 500. 59.2

BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION

 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
 1 1 1 1

CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION

 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.20. 3. 3. 3. 3. 3. 3. 3. 3.
 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 2. 0. 0. 0. 0.
 0. 0. 0. 0. 5.10.10.10.10.10.10. 5. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.33.
33. 0. 0. 0.

Segment 21
Roadway Segment 21 NB & SB Mission to Highway 76 - Calibration
T RW Seg 21NB Truck, 1
0, 0, 0, 0, 0, 0
T RW Seg 21NB Car, 2
2451, 72, 98, 65, 216, 65
T RW Seg 21NB HOV, 3
2451, 72, 98, 65, 0, 0
T RW Seg 21NB Loop, 4
0, 0, 0, 0, 0, 0
T RW Seg 21NB Ramp, 5
0, 0, 0, 0, 0, 0
T RW Seg 21NB Ramp, 6
0, 0, 0, 0, 0, 0
T RW Seg 21SB Truck, 7
0, 0, 0, 0, 0, 0
T RW Seg 21SB Car, 8
2145, 72, 84, 65, 201, 65
T RW Seg 21SB HOV, 9
2145, 72, 84, 65, 0, 0
T RW Seg 21SB Loop, 10
270, 45, 15, 45, 3, 45
T RW Seg 21SB Ramp, 11
0, 0, 0, 0, 0, 0
T RW Seg 21SB Ramp, 12
0, 0, 0, 0, 0, 0
T RW Seg 21SB Loop, 13
0, 0, 0, 0, 0, 0
L I-5 Seg 21NB Truck, 1
N, 95636.93, 15038.0507, 42.2, Sta.863
N, 95560.91, 15106.4445, 40.8, Sta.864
N, 95477.81, 15166.445, 39.7, Sta.865
N, 95423.76, 15203.04, 38, Sta.865.6
N, 95300.58, 15258.57, 34.2, Sta.867
N, 95205.6, 15297.66, 31.2, Sta.868
N, 95112.31, 15335.05, 30.15, Sta.869
N, 95020.17, 15373.7, 31.5, Sta.870
N, 94926.1, 15412.42, 33.1, Sta.871
N, 94834.19, 15450.22, 33.6, Sta.872
N, 94740.29, 15488.82, 32.7, Sta.873
N, 94648.26, 15526.77, 30.2, Sta.874
N, 94560.9, 15570.59, 27.2, Sta.875
N, 94476.14, 15622.98, 24.25, Sta.876
N, 94401.81, 15682.34, 21.4, Sta.877
94332.44, 15753.38, 19.5, Sta.878
L I-5 Seg 21NB Cars, 2
N, 95632.6, 15034.6, 41.7, Sta.863
N, 95556.0, 15103.5, 40.4, Sta.864
N, 95473.8, 15161.9, 38.7, Sta.865
N, 95417.1, 15199.1, 37.4, Sta.865.6
N, 95295.94, 15251.48, 34.2, Sta.867
N, 95202.74, 15290.91, 31.2, Sta.868
N, 95108.92, 15328.53, 30.25, Sta.869
N, 95016.56, 15366.48, 31.6, Sta.870
N, 94923.45, 15404.93, 33.25, Sta.871
N, 94831, 15443.46, 33.65, Sta.872

N, 94737.78, 15482.61, 32.88, Sta.873
Y, 94645.26, 15520.43, 31.5, Sta.874
N, 94556.01, 15563.7, 27.5, Sta.875
N, 94472.3, 15617.41, 24.5, Sta.876
N, 94396.8, 15677.77, 21.6, Sta.877
94326.2, 15748.53, 19.9, Sta.878
L I-5 Seg 21NB HOV, 3
N, 95625.8, 15027.6, 41.5, Sta.863
N, 95550.5, 15094.8, 40, Sta.864
N, 95468.6, 15153.8, 38.4, Sta.865
N, 95408.67, 15193.58, 37, Sta.865.6
N, 95293, 15245.38, 34.1, Sta.867
N, 95199.4, 15284.1, 31.2, Sta.868
N, 95105.42, 15321.19, 30.34, Sta.869
N, 95013.45, 15359.79, 31.85, Sta.870
N, 94919.81, 15397.67, 33.31, Sta.871
N, 94827.07, 15436.24, 33.7, Sta.872
N, 94733.4, 15474.96, 32.89, Sta.873
N, 94641, 15512.48, 30.81, Sta.874
N, 94551.68, 15557.12, 27.7, Sta.875
N, 94466.91, 15610.89, 24.6, Sta.876
N, 94391.05, 15672.41, 22, Sta.877
94320.03, 15742.63, 20.26, Sta.878
L I-5 Seg 21NB NB Off Loop to Misson Ave WB, 4
N, 95579.49, 15113.10, 41.67, Sta.864
N, 95497.75, 15172.05, 39.88, Sta.865
N, 95411.03, 15222.20, 37.5, Sta.866
Y, 95386.13, 15239.73, 37.4, Sta.866.25
N, 95378.75, 15256.98, 37.9, Sta.866.35
Y, 95381.56, 15280.50, 38.9, Sta.866.78
Y, 95397.66, 15298.22, 39.8, Sta.867.05
N, 95424.48, 15302.56, 41.8, Sta.867.35
Y, 95447.92, 15290.25, 41.65, Sta.867.62
N, 95460.00, 15269.14, 42.6, Sta.867.9
Y, 95457.88, 15246.19, 43.3, Sta.868.15
Y, 95443.43, 15225.76, 44.2, Sta.868.4
95434.24, 15218.28, 44.6, Sta.868.5
L I-5 Seg 21NB 21 NB On Ramp from Mission, 5
N, 95500.62, 15253.01, 42, Sta.864.7
Y, 95455.62, 15309.01, 40, Sta.865.6
Y, 95419.13, 15319.78, 38.5, Sta.865.8
N, 95335.25, 15287.41, 36, Sta.866.6
N, 95294.16, 15274.85, 35, Sta.867.1
N, 95209.07, 15305.7, 35, Sta.868
N, 95116.37, 15336.89, 32.0, Sta.869
N, 95023.31, 15378.9, 31.5, Sta.870
94929.64, 15418.35, 30, Sta.871
L I-5 Seg 21NB 21 NB Off ramp to Highway 76, 6
Y, 94929.64, 15418.35, 31.5, Sta.871
N, 94835.52, 15454, 35, Sta.872
N, 94744.4, 15497.84, 33.5, Sta.873
Y, 94653.96, 15540.78, 30.5, Sta.874
Y, 94588.38, 15597.23, 26.5, Sta.874.8
Y, 94559.21, 15649.11, 23, Sta.875.45
Y, 94538.97, 15696.58, 20, Sta.876
Y, 94520.46, 15742.06, 16.75, Sta.876.45

Y, 94482.08, 15838.19, 10.2, Sta.877.55
N, 94472.70, 15890.32, 8.2, Sta.878.08
N, 94481.28, 15948.59, 8.75, Sta.878.65
94517.11, 16018.61, 7.1, Sta.879.45
L I-5 Seg 21SB Truck, 7
N, 94297.91, 15723.34, 20.5, Sta.878
N, 94368.3, 15653, 22.2, Sta.877
N, 94449.47, 15585.57, 25.1, Sta.876
N, 94534.34, 15530.31, 28.1, Sta.875
N, 94626.26, 15484.7, 31.1, Sta.874
N, 94720.85, 15446, 32.73, Sta.873
N, 94812.42, 15406.42, 33.54, Sta.872
N, 94906, 15368.62, 33.15, Sta.871
N, 94998.86, 15330.55, 31.6, Sta.870
N, 95092.93, 15292.55, 30.2, Sta.869
N, 95186.23, 15254.12, 31.2, Sta.868
N, 95277.08, 15216.7, 33.94, Sta.867
N, 95376.04, 15174.1, 35.4, Sta.865.6
N, 95452.27, 15126.30, 37, Sta.865
N, 95530.02, 15070.84, 38.8, Sta.864
N, 95603.23, 15004.80, 40.2, Sta.863
L I-5 Seg 21SB Cars, 8
N, 94303.09, 15728.43, 20.28, Sta.878
N, 94373.92, 15657.86, 21.9, Sta.877
N, 94454.06, 15591.36, 24.8, Sta.876
N, 94538.3, 15537.1, 27.8, Sta.875
N, 94629.8, 15490.88, 30.68, Sta.874
N, 94723.95, 15452.62, 32.76, Sta.873
N, 94815.62, 15413.18, 33.59, Sta.872
N, 94908.71, 15375.24, 33.23, Sta.871
N, 95002.5, 15337.73, 31.8, Sta.870
N, 95096.39, 15298.67, 30.36, Sta.869
N, 95188.7, 15260.29, 31.32, Sta.868
N, 95280.93, 15223.14, 33.8, Sta.867
N, 95383.1, 15178.76, 36.5, Sta.865.6
N, 95453.91, 15130.84, 37.5, Sta.865
N, 95533.14, 15074.78, 39.2, Sta.864
N, 95606.68, 15007.87, 40.7, Sta.863
L I-5 Seg 21SB HOV, 9
N, 94309.08, 15733.33, 20, Sta.878
N, 94379.08, 15662.81, 21.7, Sta.877
N, 94459.17, 15598.7, 24.5, Sta.876
N, 94542.06, 15542.93, 27.5, Sta.875
N, 94633.15, 15497.76, 30.1, Sta.874
N, 94727.11, 15459.81, 32.9, Sta.873
N, 94818.91, 15420.61, 33.75, Sta.872
N, 94912.28, 15382.89, 33.4, Sta.871
N, 95005.24, 15344.06, 31.75, Sta.870
N, 95099.09, 15306.33, 30.38, Sta.869
N, 95192.75, 15268.34, 31.8, Sta.868
N, 95284.67, 15230.28, 34, Sta.867
N, 95391.42, 15183.93, 36.75, Sta.865.6
N, 95459.80, 15139.04, 37.9, Sta.865
N, 95539.56, 15082.43, 39.5, Sta.864
N, 95614.15, 15015.63, 41, Sta.863
L I-5 Seg 21SB 21SB On ramp loop from Mission Ave, 10

Y, 95295.18, 15135.52, 38.6, Sta.868.6
Y, 95278.33, 15127.05, 37.4, Sta.868.4
Y, 95248.54, 15130.81, 35.6, Sta.868.15
N, 95229.38, 15155.23, 33.5, Sta.867.8
N, 95236.79, 15189.9, 32.6, Sta.867.4
Y, 95267.68, 15206.18, 33, Sta.867
Y, 95323.12, 15190.35, 34.75, Sta.866.45
95391.38, 15159.89, 38, Sta.865.75
L I-5 Seg 21SB 21SB Off ramp to Mission Ave, 11
N, 94858.07, 15383.43, 36, Sta.871.5
N, 94943.16, 15348.54, 34, Sta.870.6
N, 95041.84, 15303.79, 31.5, Sta.869.5
N, 95128.45, 15258.63, 30, Sta.868.55
Y, 95183.23, 15216.22, 32, Sta.867.8
N, 95209.78, 15157.14, 34.5, Sta.867.2
95233.06, 15090.91, 36.25, Sta.865.5
L I-5 Seg 21SB 21SB On ramp from Highway 76, 12
Y, 94322.5, 15475.18, 19.86, Sta.877.1
Y, 94395.64, 15473.44, 22, Sta.876.4
Y, 94445.26, 15487.17, 25, Sta.875.9
N, 94504.95, 15506.44, 27.5, Sta.875.25
N, 94574.43, 15494.34, 29.63, Sta.874.5
N, 94663.52, 15462.26, 32, Sta.873.6
Y, 94759.74, 15423.59, 34, Sta.872.6
94858.07, 15383.43, 38, Sta.871.5
L I-5 Seg 21SB Off Loop to Highway 76 EB, 13
N, 94238.33, 15807.81, 20.57, Sta.879
N, 94298.11, 15721.85, 20.825, Sta.878
N, 94349.34, 15662.41, 22.74, Sta.877.2
N, 94419.95, 15592.57, 24.125, Sta.876.2
N, 94448.67, 15559.45, 24.7, Sta.875.8
Y, 94445.58, 15521.27, 24, Sta.875.4
Y, 94422.77, 15493.8, 22.497, Sta.875
Y, 94388.59, 15485.56, 21.058, Sta.874.6
Y, 94355.07, 15501.91, 19.813, Sta.874.2
N, 94341.19, 15532.53, 18.737, Sta.873.9
94341.97, 15562.39, 18.5, Sta.873.6
Barrier 1 Soundwall ROW NB, 1, 2, 0, 0
95454.3612, 15317.1927, 40.26, 40.26, 865.45N
95432.719, 15326.816, 39.80, 39.80, 865.65N
95400.2161, 15326.5688, 38.78, 38.78, 865.9N
95348.3789, 15307.3445, 36.53, 36.53, 866.45N
95307.0633, 15282.5439, 37.42, 37.42, 866.9N
95275.3089, 15285.6842, 36.82, 36.82, 867.3N
95195.1013, 15316.3101, 37.20, 37.20, 868.15N
Barrier 2 Soundwall ROW NB, 2, 2, 0, 0
95195.1013, 15316.3101, 37.20, 37.20, 868.15N
95174.2092, 15320.2475, 35.50, 35.50, 868.35N
95174.2092, 15320.2475, 35.50, 35.50, 868.35N
95114.118, 15345.0948, 30.15, 30.15, 869N
95019.8614, 15384.5774, 31.27, 31.27, 870N
94929.094, 15422.5985, 32.75, 32.75, 871N
94847.0897, 15467.066, 40.50, 40.50, 872N
94748.4549, 15519.9566, 42.33, 42.33, 873N
94647.9457, 15572.1197, 37.00, 37.00, 874.2N
Barrier 3 Terrain Line Bush St NB, 3, 2, 0, 0

95182.7804, 15316.9613, 37.60, 37.60, 868.25NT
95224.4081, 15339.5467, 36.53, 36.53, 867.9NT
95281.1222, 15373.3716, 38.41, 38.41, 867.5NT
Barrier 4 Terrain Line NB, 4, 2, 0, 0
95246.15, 15305.10, 36.19, 36.19, 867.5NT
95206.4409, 15367.91, 36.00, 36.00, 868.2NT
95140.7413, 15455.46, 36.50, 36.50, 869NT
95140.8416, 15495.28, 37.00, 37.00, 869.2NT
Barrier 5 Terrain NB, 5, 2, 0, 0
95451.34, 15204.11, 44.3, 44.3, 865.6NT
95513.22, 15240.58, 41.2, 41.2, 856.6NT
Barrier 6 Divider Jersey Barrier, , 6, 2, 0, 0
95394.80, 15186.62, 36.7, 37.7, 865.6C
95285.42, 15235.86, 34.0, 35.0, 867C
95193.18, 15274.50, 31.2, 32.2, 868C
95100.94, 15313.13, 30.4, 31.4, 869C
95008.70, 15351.76, 31.7, 32.7, 870C
94916.46, 15390.40, 33.3, 34.3, 871C
94824.21, 15429.03, 33.7, 34.7, 872C
94731.97, 15467.66, 33.8, 34.8, 873C
94639.73, 15506.30, 30.8, 31.8, 874C
94550.40, 15551.21, 27.5, 28.5, 875C
Barrier 7 Divider Jersey Barrier, , 7, 2, 0, 0
94550.40, 15551.21, 27.5, 28.5, 875C
94466.36, 15605.24, 24.5, 25.5, 876C
94388.75, 15668.23, 21.9, 22.9, 877C
94318.47, 15739.27, 20, 21.0, 878C
Barrier 8Terrain Line ROW SB, 8, 2, 0, 0
95205.83, 15124.97, 36.17, 36.17, 866.9S
95190.16, 15188.22, 37.18, 37.18, 867.6S
95156.02, 15228.99, 29.75, 29.75, 868.2S
95112.18, 15255.18, 30.00, 30.00, 868.65S
95084.66, 15264.66, 37.00, 37.00, 868.9S
95084.66, 15264.66, 37.00, 37.00, 868.9S
95067.79, 15270.7, 36.20, 36.20, 869.05S
Barrier 9Soundwall ROW SB, 9, 2, 0, 0
95067.79, 15270.7, 36.20, 36.20, 869.05S
95018.53, 15297.73, 35.27, 35.27, 869.7S
94937.85, 15343.86, 38.70, 38.70, 870.6S
94844.65, 15379.61, 40.70, 40.70, 871.6S
94746.05, 15423.3, 38.20, 38.20, 872.65S
94657.99, 15451.09, 32.35, 32.35, 873.5S
94587.75, 15478.95, 30.14, 30.14, 874.25S
94575.23, 15485.95, 33.50, 33.50, 874.5S
Barrier 10Soundwall ROW SB, 10, 2, 0, 0
94575.23, 15485.95, 33.50, 33.50, 874.5S
94563.13, 15489.7, 33.00, 33.00, 874.6S
94563.13, 15489.7, 33.00, 33.00, 874.6S
94518.76, 15500.26, 27.50, 27.50, 875.1S
94437.05, 15476.5, 24.50, 24.50, 876S
94341.02, 15462.52, 20.89, 20.89, 876.6S
Barrier 11Building SB, 11, 2, 0, 0
95075.65, 15111.71, 37.00, 47.00, 867.6SB
95180.92, 15190.99, 37.18, 47.18, 867.6SB
95056.9, 15242.47, 39.50, 49.50, 869SB
Barrier 12Building SB, 12, 2, 0, 0

94997.06, 15232.22, 39.86, 53.86, 869.6SB
94935.36, 15294.67, 41.50, 51.50, 870.4SB
Barrier 13Terrain Line, 13, 2, 0, 0
94565.28, 15482.60, 35.20, 35.20, 874.5ST
94536.89, 15451.89, 31.75, 31.75, 874.6ST
94482.31, 15414.71, 25.60, 25.60, 875ST
Barrier 14Terrain Line Bush St, 14, 2, 0, 0
95085.10, 15271.94, 39.00, 39.00, 869ST
95025.53, 15236.25, 38.75, 38.75, 869.5ST
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95473.48, 15366.51, 42.8 , SF
R 21.2, 2 , 55, 3
95416.4, 15396.59, 41.9 , SF
R 21.3, 3 , 55, 3
95351.81, 15358.57, 39.3 , SF
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95301.98, 15332.18, 39.7 , SF
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R 21.6, 6 , 55, 6
95211.43, 15379.43, 37.4 , MF
R 21.7, 7 , 55, 2
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95181.94, 15424.79, 38.0 , SF
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94353.72, 15447.8, 22.7 , Hotel
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94442.42, 15435.92, 25.8 , SF
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94468.65, 15456.61, 26.8 , SF
R 21.12, 12 , 55, 8
94563.78, 15414.21, 28.7 , MF
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94628.51, 15429.33, 31.5 , MF
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R 21.17, 17 , 55, 1
94783.72, 15385.03, 39.3 , SF
R 21.18, 18 , 55, 2
94898.28, 15345.4, 43.1 , Park
R 21.19, 19 , 55, 6
94943.66, 15262.21, 43.0 , MF
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95047.97, 15271.08, 38 , ST21.1/CAL
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A, A
ALL, ALL

K, 0.
All, All
K, -5
All, 1,3,10,12,13,15,22

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGMENT 21 NB & SB MISSION TO HIGHWAY 76 - CALIBRATION

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	0.*							865.45N	77.7	
2	-	0.*							865.65N	106.8	
3	-	0.*							865.9N	181.5	
4	-	0.*							866.45N	158.1	
5	-	0.*							866.9N	104.7	
6	-	0.*							867.3N	281.6	
7	-	0.*							868.15N	70.0	
8	-	0.*							868.35N	.0	
9	-	0.*							868.35N	214.0	
10	-	0.*							869N	335.2	
11	-	0.*							870N	322.9	
12	-	0.*							871N	307.2	
13	-	0.*							872N	367.2	
14	-	0.*							873N	371.9	
15	-	0.*							868.25N	155.4	
16	-	0.*							867.9NT	216.8	
17	-	0.*							867.5NT	243.8	
18	-	0.*							868.2NT	359.1	
19	-	0.*							869NT	130.6	
20	-	0.*							865.6NT	235.8	
21	-	3.*							865.6C	393.7	
22	-	3.*							867C	328.2	
23	-	3.*							868C	328.1	
24	-	3.*							869C	328.2	
25	-	3.*							870C	328.1	
26	-	3.*							871C	328.1	
27	-	3.*							872C	328.1	
28	-	3.*							873C	328.2	
29	-	3.*							874C	328.2	
30	-	3.*							875C	327.9	
31	-	3.*							876C	328.1	
32	-	3.*							877C	327.9	
33	-	0.*							866.9S	213.8	
34	-	0.*							867.6S	176.2	
35	-	0.*							868.2S	167.6	
36	-	0.*							868.65S	98.2	

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37    -  0.*                        868.9S       .0
38    -  0.*                        868.9S     58.8

39    -  0.*                        869.05S   184.4
40    -  0.*                        869.7S    305.1
41    -  0.*                        870.6S    327.6
42    -  0.*                        871.6S    354.0
43    -  0.*                        872.65S   303.6
44    -  0.*                        873.5S    248.0
45    -  0.*                        874.25S    48.3

46    -  0.*                        874.5S     41.6
47    -  0.*                        874.6S       .0
48    -  0.*                        874.6S    150.8
49    -  0.*                        875.1S    279.4
50    -  0.*                        876S      318.5

51    - 33.*                         867.6SB   432.4
52    - 33.*                         867.6SB   440.6

53    - 39.*                         869.6SB   288.1

54    -  0.*                        874.5ST   137.6
55    -  0.*                        874.6ST   217.6

56    -  0.*                        869ST     227.9
-------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
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 1  SF       67.    500.   60.0
 2  SF       67.    500.   64.9
 3  SF       67.    500.   62.4
 4  SF       67.    500.   70.1
 5  LT21.1   67.    500.   75.9
 6  MF       67.    500.   68.5
 7  SF       67.    500.   67.6
 8  SF       67.    500.   67.8
 9  HOTEL    67.    500.   64.6
10  SF       67.    500.   61.3
11  SF       67.    500.   68.0
12  MF       67.    500.   61.5
13  MF       67.    500.   66.1
14  LT21.2   67.    500.   76.5
15  SF       67.    500.   61.4
16  MF       67.    500.   76.5
17  SF       67.    500.   69.8
18  PARK     67.    500.   75.0
19  MF       67.    500.   62.1
20  ST21.1/  67.    500.   74.2
21  21.8A    67.    500.   65.9
22  21.15A   67.    500.   64.1
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
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1 1 1 1 1 1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3.
3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
33.33.39. 0. 0. 0.

Segment 22
Roadway Segment 22 NB & SB Highway 76 to Wire Mountain Road - Calibration
T RW Seg 22NB Truck, 1
1412, 70, 92, 70, 309, 65
T RW Seg 22NB Truck, 2
1412, 70, 92, 70, 309, 65
T RW Seg 22NB Car, 3
1412, 70, 92, 70, 0, 0
T RW Seg 22NB Car, 4
1412, 70, 92, 70, 0, 0
T RW Seg 22NB HOV, 5
0, 0, 0, 0, 0, 0
T RW Seg 22NB HOV, 6
0, 0, 0, 0, 0, 0
T RW Seg 22NB Loop, 7
0, 0, 0, 0, 0, 0
T RW Seg 22NB Ramp, 8
525, 65, 30, 65, 9, 40
T RW Seg 22NB Loop, 9
0, 0, 0, 0, 0, 0
T RW Seg 22NB Loop, 10
0, 0, 0, 0, 0, 0
T RW Seg 22SB Truck, 11
1902, 70, 105, 70, 288, 65
T RW Seg 22SB Truck, 12
1902, 70, 105, 70, 288, 65
T RW Seg 22SB Car, 13
1902, 70, 105, 70, 0, 0
T RW Seg 22SB Car, 14
1902, 70, 105, 70, 0, 0
T RW Seg 22SB HOV, 15
0, 0, 0, 0, 0, 0
T RW Seg 22SB HOV, 16
0, 0, 0, 0, 0, 0
T RW Seg 22SB Loop, 17
0, 0, 0, 0, 0, 0
T RW Seg 22SB Ramp, 18
0, 0, 0, 0, 0, 0
T RW Seg 22SB Loop, 19
0, 0, 0, 0, 0, 0
T RW Seg 22SB Ramp, 20
0, 0, 0, 0, 0, 0
L I-5 Seg 22NB Truck, 1
N, 94335.85, 15755.28, 19.5, Sta.878
N, 94273.6, 15832.15, 19, Sta.879
N, 94224.03, 15913.07, 20, Sta.880
N, 94177.09, 16000.33, 20.6, Sta.881
N, 94132.82, 16089.77, 21.14, Sta.882
N, 94084.96, 16177.6, 21.75, Sta.883
 94040.61, 16267.95, 22.4, Sta.884
L I-5 Seg 22NB Trucks cont, 2
N, 94040.61, 16267.95, 22.4, Sta.884
N, 93994.92, 16357.66, 23, Sta.885
N, 93950.34, 16446.39, 23.59, Sta.886
N, 93902.2, 16534.83, 23.64, Sta.887
N, 93855.85, 16623.1, 22.75, Sta.888

N, 93810.26, 16708.63, 21.2, Sta.889
N, 93772.2, 16800.8, 19.25, Sta.890
N, 93744.79, 16897.06, 19.6, Sta.891
N, 93722.81, 16992.92, 20, Sta.892
N, 93698.54, 17090.35, 20.3, Sta.893
 93674.42, 17186.5, 20.75, Sta.894
L I-5 Seg 22NB Cars, 3
N, 94330.77, 15749.3, 19.7, Sta.878
N, 94268.25, 15827.45, 19.35, Sta.879
N, 94217.83, 15910.23, 20.25, Sta.880
N, 94172.15, 15997.15, 20.84, Sta.881
N, 94126.9, 16086.84, 21.36, Sta.882
N, 94080.32, 16175.9, 22, Sta.883
 94035.03, 16265.23, 22.5, Sta.884
L I-5 Seg 22NB Cars cont, 4
N, 94035.03, 16265.23, 22.5, Sta.884
N, 93989.87, 16355.22, 23.09, Sta.885
N, 93942.14, 16442.63, 23.72, Sta.886
N, 93896.24, 16531.31, 23.7, Sta.887
N, 93850.19, 16620.2, 23, Sta.888
N, 93802.86, 16706.82, 21.2, Sta.889
N, 93765.06, 16799.5, 19.73, Sta.890
N, 93738.33, 16894.62, 19.7, Sta.891
N, 93714.1, 16990.75, 20.1, Sta.892
N, 93691.02, 17087.95, 20.5, Sta.893
 93667.28, 17185.28, 20.85, Sta.894
L I-5 Seg 22NB HOV, 5
N, 94324.84, 15743.08, 20.6, Sta.878
N, 94261.22, 15822.5, 19.5, Sta.879
N, 94210.11, 15905.63, 20.2, Sta.880
N, 94165.06, 15994.51, 20.9, Sta.881
N, 94119.06, 16082.47, 21.23, Sta.882
N, 94074.53, 16171.83, 22, Sta.883
 94027.97, 16262.15, 22.5, Sta.884
L I-5 Seg 22NB HOV cont, 6
N, 94027.97, 16262.15, 22.5, Sta.884
N, 93982.22, 16350.73, 23.2, Sta.885
N, 93936.57, 16439.02, 23.8, Sta.886
N, 93889.67, 16528.34, 23.79, Sta.887
N, 93842.95, 16616.59, 23, Sta.888
N, 93796.74, 16704.52, 21.4, Sta.889
N, 93758.63, 16797.1, 19.75, Sta.890
N, 93732.8, 16893.22, 19.74, Sta.891
N, 93708.57, 16989.34, 20, Sta.892
N, 93686.69, 17086.75, 20.5, Sta.893
 93662.89, 17183.65, 20.92, Sta.894
L 22NB On Ramp Loop From Highway 76
Y, 94408.27, 15807.27, 10.1, Sta.874.5
Y, 94486, 15772.93, 14.77, Sta.875.4
Y, 94497.64, 15732.22, 17.4, Sta.875.8
N, 94478.13, 15696.63, 20.3, Sta.876.3
N, 94438.33, 15684.66, 21.25, Sta.876.8
N, 94398.12, 15708.33, 20.876, Sta.877.2
N, 94327.06, 15775.18, 19, Sta.878.2
N, 94280.09, 15835.28, 18.8, Sta.879
 94229.13, 15915.66, 19.3, Sta.880

L I-5 Seg 22NB 22NB Off ramp to Vandergriff, 8
N, 94227.51, 15915.27, 19.5, Sta.880
N, 94184.12, 16004.50, 20.58, Sta.881
N, 94145.83, 16096.93, 21.1, Sta.882
N, 94102.78, 16187.18, 22.84, Sta.883
N, 94057.01, 16276.66, 21.55, Sta.884
N, 94042.88, 16319.16, 20.2, Sta.884.45
Y, 94044.59, 16369.93, 18.7, Sta.885
Y, 94063.71, 16467.89, 22.4, Sta.886
 94064.26, 16555.93, 26.45, Sta.887
L I-5 Seg 22NB 22NB Off Loop to Harbor Drive, 9
N, 94041.73, 16268.2, 22.9, Sta.885
N, 93997.75, 16358.73, 23.253, Sta.886
N, 93960.98, 16451.24, 23.72, Sta.886.8
N, 93930.12, 16524.28, 24.1, Sta.887.05
N, 93931.57, 16548.86, 24, Sta.887.3
N, 93945.54, 16568.21, 24.1, Sta.887.6
N, 93971.01, 16577.53, 24.05, Sta.887.95
N, 94007.8, 16568.37, 23.25, Sta.888.4
 94036.32, 16541.45, 22, Sta.888.9
L I-5 Seg 22NB 22NB On Loop from Vandergriff, 10
Y, 93996.59, 16657.35, 25.7, Sta.886
N, 93997.78, 16630.57, 24.3, Sta.886.2
N, 93974.76, 16601.11, 23.7, Sta.886.6
N, 93921.73, 16579.91, 24, Sta.887.2
N, 93886.95, 16597.58, 23, Sta.887.6
Y, 93847.26, 16659.72, 22, Sta.888.6
N, 93818.62, 16712.26, 19, Sta.889
 93778.81, 16801.96, 19.15, Sta.890
L I-5 Seg 22SB Truck, 11
N, 93998.19, 16247.15, 23.2, Sta.884
N, 94044.12, 16158.8, 21.77, Sta.883
N, 94091.69, 16069.17, 20.2, Sta.882
N, 94137.32, 15981.43, 20.96, Sta.881
N, 94182.98, 15891.15, 20.67, Sta.880
N, 94238.33, 15807.81, 20, Sta.879
 94303.2, 15724.7, 20.5, Sta.878
L I-5 Seg 22SB Truck, 12
N, 93633.51, 17172.82, 20.8
N, 93656.45, 17079.8, 20.37, Sta.893
N, 93678.99, 16983.22, 19.9, Sta.892
N, 93703.5, 16885.97, 19.8, Sta.891
N, 93729.63, 16787.19, 20.5, Sta.890
N, 93768.21, 16694.34, 22, Sta.889
N, 93815.46, 16602.21, 22.85, Sta.888
N, 93861.53, 16513.21, 23.5, Sta.887
N, 93907.29, 16425.45, 23.5, Sta.886
N, 93953.24, 16335.85, 22.8, Sta.885
N, 93998.19, 16247.15, 23.2, Sta.884
L I-5 Seg 22SB Cars, 13
N, 94004.5, 16250.29, 22.5, Sta.884
N, 94050.57, 16161.25, 22, Sta.883
N, 94097.04, 16071.77, 21.3, Sta.882
N, 94143.34, 15984.97, 20.8, Sta.881
N, 94190.2, 15894.04, 20.5, Sta.880
N, 94242.71, 15809.68, 19.73, Sta.879

94308.18, 15730.07, 20.25, Sta.878
L I-5 Seg 22SB Cars, 14
N, 93641.11, 17175.1, 20.8, Sta.894
N, 93662.9, 17080.5, 20.4, Sta.893
N, 93685.86, 16984.94, 20.1, Sta.892
N, 93709.66, 16887.21, 19.8, Sta.891
N, 93736.63, 16790.1, 20, Sta.890
N, 93775.23, 16697.13, 21.5, Sta.889
N, 93822.08, 16605.86, 23.5, Sta.888
N, 93868.42, 16516.93, 23.77, Sta.887
N, 93914.24, 16427.42, 23.71, Sta.886
N, 93959.62, 16338.73, 23, Sta.885
94004.5, 16250.29, 22.5, Sta.884
L I-5 Seg 22SB HOV, 15
N, 94012.72, 16253.69, 22.5, Sta.884
N, 94056.28, 16163.82, 22.14, Sta.883
N, 94104.19, 16075.7, 21.24, Sta.882
N, 94151.05, 15988.77, 20.8, Sta.881
N, 94196.58, 15898.19, 20.2, Sta.880
N, 94249.22, 15814.07, 19.59, Sta.879
94313.34, 15733.96, 20, Sta.878
L I-5 Seg 22SB HOV, 16
93648.03, 17178.78, 20.89, Sta.894
93671.08, 17083.03, 20.5, Sta.893
N, 93693.78, 16986.06, 20, Sta.892
N, 93717.29, 16888.29, 19.66, Sta.891
N, 93744.34, 16791.83, 19.69, Sta.890
N, 93782.86, 16699.63, 21.4, Sta.889
N, 93828.87, 16609.05, 23, Sta.888
N, 93874.29, 16520.39, 23.82, Sta.887
N, 93920.56, 16431.55, 23.75, Sta.886
N, 93966.63, 16343.31, 23.04, Sta.885
94012.72, 16253.69, 22.5, Sta.884
L I-5 Seg 22SB Off Loop to Highway 76 EB, 17
N, 94238.33, 15807.81, 20.57, Sta.879
N, 94298.11, 15721.85, 20.825, Sta.878
N, 94349.34, 15662.41, 22.74, Sta.877.2
N, 94419.95, 15592.57, 24.125, Sta.876.2
N, 94448.67, 15559.45, 24.7, Sta.875.8
Y, 94445.58, 15521.27, 24, Sta.875.4
Y, 94422.77, 15493.8, 22.497, Sta.875
Y, 94388.59, 15485.56, 21.058, Sta.874.6
Y, 94355.07, 15501.91, 19.813, Sta.874.2
N, 94341.19, 15532.53, 18.737, Sta.873.9
94341.97, 15562.39, 18.5, Sta.873.6
L I-5 Seg 22SB Offramp to Highway 76 WB, 18
N, 94154.95, 15944.37, 20.8, Sta.880.6
N, 94180.43, 15888.02, 20.882, Sta.880
N, 94228.92, 15802.15, 20.591, Sta.879
N, 94284.62, 15716.93, 19.591, Sta.878
N, 94312.33, 15658.74, 18.014, Sta.877.25
N, 94317.44, 15600.18, 17.8, Sta.876.65
94311.39, 15547.33, 18.22, Sta.876.2
L I-5 Seg 22SB On Loop from Harbour Dr., 19
N, 93948.51, 16303.59, 16.5, Sta.888.25
N, 93912.49, 16276.63, 16.57, Sta.887.8

N, 93874.5, 16278.74, 16.85, Sta.887.35
Y, 93843.91, 16305.35, 18.065, Sta.886.9
Y, 93839.07, 16346.11, 20, Sta.886.5
Y, 93858.03, 16372.08, 21.198, Sta.886.15
N, 93887.25, 16380.87, 22.14, Sta.885.85
N, 93917.63, 16372.71, 22.8, Sta.885.5
N, 93946.03, 16331.63, 22.67, Sta.885
N, 93993.57, 16243.56, 22.243, Sta.884
 94040.65, 16157.02, 21.38, Sta.883
L I-5 Seg 22SB Off Ramp to Harbor Dr., 20
N, 93765.47, 16693.14, 22.3, Sta.889
N, 93806.09, 16598.96, 22.678, Sta.888
N, 93844.26, 16505.8, 22.8, Sta.887
N, 93849.03, 16460.51, 22.4, Sta.886.55
N, 93829.91, 16386.58, 20.75, Sta.885.75
N, 93819.88, 16329.74, 19.619, Sta.885.2
N, 93829.55, 16279.56, 18.5, Sta.884.7
 93870.72, 16212.72, 16.8, Sta.883.85
Barrier 1 Edge of Bridge NB, 1, 2, 0, 0
94351.57, 15758.36, 19.31, 20.31, 878N
94287.37, 15833.03, 18.80, 19.80, 879N
94238.72, 15909.07, 19.30, 20.30, 879.9N
94196.58, 15992.38, 20.40, 21.40, 880.9N
94179.8, 16033.79, 20.40, 21.40, 881.3N
Barrier 2 Soundwall ROW NB, 2, 2, 0, 0
94191.4845, 16023.834, 19.5, 19.50, 881.1N
94179.8592, 16037.00, 20.88, 20.88, 881.3N
94152.61, 16099.67, 24.50, 24.50, 882N
94117.6, 16189.96, 24.00, 24.00, 882.9N
94117.6, 16189.96, 24.00, 24.00, 882.9N
94105.59, 16203.17, 24.09, 24.09, 883.1N
Barrier 3 Soundwall ROW NB, 3, 2, 0, 0
94105.59, 16203.17, 24.09, 24.09, 883.1N
94065.24, 16281.75, 24.20, 24.20, 884N
94059.99, 16323.03, 25.10, 25.10, 884.5N
94067.33, 16366.49, 25.20, 25.20, 885N
94079.92, 16413.87, 25.75, 25.75, 885.5N
Barrier 4 Terrain Line NB Near Vandergrift, 4, 2, 0, 0
94079.92, 16413.87, 25.75, 25.75, 885.5NT
94089.12, 16461.18, 26.16, 26.16, 886NT
94069.93, 16605.43, 27.36, 27.36, 887NT
Barrier 5 Terrain Line NB Near River, 5, 2, 0, 0
94190.07, 16019.85, 18.00, 18.00, 881.1NT
94232.57, 16045.20, 20.00, 20.00, 881.1NT
94327.32, 16110.41, 23.50, 23.50, 881.1NT
94390.71, 16199.63, 30.00, 30.00, 881.1NT
Barrier 6 Divider Jersey Barrier, 6, 2, 0, 0
94357.71, 15697.61, 20.87, 21.87, 877.4C
94318.44, 15739.2, 20.00, 21.00, 878C
94256.4, 15817.42, 19.59, 20.59, 879C
94203.13, 15902.12, 20.27, 21.27, 880C
94156.96, 15990.82, 20.91, 21.91, 881C
94146.23, 16011.69, 21.09, 22.09, 881.2C
94146.23, 16011.69, 21.09, 21.09, 881.2C
94111.18, 16079.73, 21.24, 21.24, 882C
94065.4, 16168.63, 21.90, 21.90, 883C

94019.63, 16257.54, 22.45, 22.45, 884C
Barrier 7 Divider Jersey Barrier, 7, 2, 0, 0
94019.63, 16257.54, 22.45, 22.45, 884C
93973.85, 16346.45, 22.00, 22.00, 885C
93928.07, 16435.36, 23.83, 23.83, 886C
93882.29, 16524.27, 23.79, 23.79, 887C
93836.52, 16613.18, 22.80, 22.80, 888C
93790.74, 16702.08, 21.22, 21.22, 889C
93752.38, 16794.69, 19.69, 19.69, 890C
93726.12, 16890.59, 19.44, 19.44, 891C
93702.86, 16987.98, 19.23, 19.23, 892C
93679.6, 17085.36, 20.15, 20.15, 893C
93656.34, 17182.74, 20.26, 20.26, 894C
Barrier 8 ROW SB, 8, 2, 0, 0
94310.04, 15579.46, 18.00, 18.00, 876.6S
94311, 15630.52, 16.20, 16.20, 877S
94297.1, 15684.26, 20.20, 20.20, 877.6S
94245.41, 15768.03, 20.45, 20.45, 878.6S
94217.33, 15810.92, 20.51, 21.51, 879.1S
94188.27, 15861.26, 20.78, 21.78, 879.6S
94140.4, 15959.69, 20.79, 21.79, 880.8S
94121.3, 15988.13, 20.96, 21.96, 881.25S
Barrier 9 Soundwall ROW SB, 9, 2, 0, 0
94121.3, 15988.13, 20.96, 20.96, 881.25S
94113.07, 16013.15, 20.91, 20.91, 881.5S
94080.26, 16059.21, 20.60, 20.60, 882S
94032.39, 16152.57, 21.60, 21.60, 883S
93986.83, 16239.84, 22.10, 22.10, 884S
93958.33, 16292.56, 22.68, 22.68, 884.6S
Barrier 10 ROW SB, 10, 2, 0, 0
93860.87, 16213.46, 17.78, 17.78, 884S
93821.63, 16284.64, 18.78, 18.78, 884.8S
93815.84, 16329.67, 20.20, 20.20, 885.2S
93824.99, 16386.15, 20.80, 20.80, 885.8S
93844.46, 16463.23, 22.00, 22.00, 886.6S
93825.29, 16539.49, 22.80, 22.80, 887.4S
93788.48, 16629.03, 23.20, 23.20, 888.4S
93752.18, 16713.38, 20.00, 20.00, 889.2S
93714.79, 16808.62, 18.70, 18.70, 890.2S
93687.93, 16917.04, 27.00, 27.00, 891.3S
Barrier 11 Terrain Line Wire Mountain Road SB, 11, 2, 0, 0
93674.17, 16928.19, 27.30, 27.30, 891.3ST
93584.78, 17004.81, 27.50, 27.50, 892.5ST
Barrier 12 Building SB, 12, 2, 0, 0
94229.08, 15690.99, 18.90, 23.90, 878.2SB
94201.88, 15723.06, 18.90, 23.90, 878.6SB
Barrier 13 Building Travel Lodge SB, 13, 2, 0, 0
94008.74, 16026.19, 20.75, 30.75, 882SB
94046.07, 16061.1, 20.75, 30.75, 882.2SB
94011.54, 16143.95, 20.75, 30.75, 883SB
Barrier 14 Existing Wall Near Train Tracks SB, 14, 2, 0, 0
93699.66, 16347.49, 14.00, 20.10, 886S
93671.44, 16482.26, 15.00, 21.10, 887.2S
93650.83, 16582.11, 15.50, 21.60, 888.5S
93625.41, 16718, 16.50, 22.60, 889.6S
93601.44, 16847.71, 17.00, 23.10, 890.9S

93593.31, 16889.92, 17.00, 23.10, 891.3S
Barrier 15 Wall in RV Park SB , 15 , 2, 0, 0
93917.45 , 16078.89 , 17.00 , 18.83 , 883 SB
93983.38 , 16137.75 , 20.90 , 22.73 , 883 SB
Barrier 16 Building RV Park SB , 16 , 2, 0, 0
93983.38 , 16137.75 , 20.90 , 28.90 , 883 SB
94006.55 , 16158.46 , 21.50 , 29.50 , 883.2 SB
94001.61 , 16168.11 , 21.30 , 29.30 , 883.6 SB
Barrier 17 Jersey Barrier Shoulder , 17 , 2, 0, 0
94121.83 , 15998.25 , 20.95 , 21.95 , 881.25 SB
94083.84 , 16068.00 , 21.22 , 22.22 , 882 SB
94037.15 , 16153.75 , 21.71 , 22.71 , 883 SB
93989.81 , 16241.87 , 22.30 , 23.30 , 884 SB
93950.35 , 16315.32 , 22.80 , 23.80 , 884.9 SB
Barrier 18 Jersey Barrier Shoulder , 18 , 2, 0, 0
93937.75 , 16156.37 , 19.00 , 29.00 , 883.6 SB
93952.99 , 16170.07 , 19.00 , 29.00 , 883.6 SB
Barrier 19 Jersey Barrier Shoulder , 19 , 2, 0, 0
93966.80 , 16180.62 , 21.55 , 31.55 , 883.7 SB
93990.98 , 16189.94 , 21.55 , 31.55 , 883.7 SB
R 22.1, 1 ,55, 2
94224.21, 16048.37, 22.30 ,SF
R 22.2, 2 ,55, 1
94182.44, 16036.95, 22.5 ,ST22.1
R 22.3, 3 ,55, 1
94195.09, 16095.77, 25.20 ,SF
R 22.4, 4 ,55, 1
94179.68, 16086.1975, 25.07 ,SF
R22.4A, 5 ,55, 1
94156.32, 16102.59, 26.55 ,LT22.1
R 22.5, 6 ,55, 4
94150.51, 16167.79, 25.80 ,SF
R 22.6, 7 ,55, 4
94108.11, 16242.51, 25.81 ,SF
R 22.7, 8 ,55, 1
94069.31, 16298.07, 25.81 ,SF
R 22.8, 9 ,55, 1
94076.61, 16316.42, 26.07 ,SF
R 22.9, 10 ,55, 10
93607.68, 16698.46, 18.7 ,ST22.3
R 22.10, 11 ,55, 11
93983.75, 16121.84, 22.2 ,ST22.2
R 22.11, 12 ,55, 12
93978.33, 16064.13, 20.4 ,RV Park
R 22.12, 13 ,55, 13
94021.73, 16023.39, 25.07 ,Motel
R 22.13, 14 ,55, 14
94207.75, 15704.25, 17.0 ,Hotel
D, 4.5
A,A
ALL, ALL
K, 0.
All, All

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGMENT 22 NB & SB HIGHWAY 76 TO WIRE MOUNTAIN ROAD - CALIBRATION

1

BARRIER DATA
****

BAR ELE		0	1	2	3	4	5	6	7	BARRIER HEIGHTS ID	BAR LENGTH	TYPE
1	-	3.*								878N	323.0	
2	-	3.*								879N	296.2	
3	-	3.*								879.9N	306.3	
4	-	3.*								880.9N	146.6	
5	-	0.*								881.1N	57.8	
6	-	0.*								881.3N	224.5	
7	-	0.*								882N	317.8	
8	-	0.*								882.9N	.0	
9	-	0.*								882.9N	58.5	
10	-	0.*								883.1N	289.8	
11	-	0.*								884N	136.5	
12	-	0.*								884.5N	144.6	
13	-	0.*								885N	160.9	
14	-	0.*								885.5NT	158.1	
15	-	0.*								886NT	477.5	
16	-	0.*								881.1NT	162.5	
17	-	0.*								881.1NT	377.5	
18	-	0.*								881.1NT	359.7	
19	-	3.*								877.4C	187.7	
20	-	3.*								878C	327.5	
21	-	3.*								879C	328.3	
22	-	3.*								880C	328.1	
23	-	3.*								881C	77.0	
24	-	2.*								881.2C	3.3	
25	-	0.*								881.2C	251.1	
26	-	0.*								882C	328.1	
27	-	0.*								883C	328.1	
28	-	0.*								884C	328.1	
29	-	0.*								885C	328.2	
30	-	0.*								886C	328.1	
31	-	0.*								887C	328.1	
32	-	0.*								888C	328.1	
33	-	0.*								889C	328.9	
34	-	0.*								890C	326.2	
35	-	0.*								891C	328.5	
36	-	0.*								892C	328.5	
37	-	0.*								893C	328.5	

38 - 0.* 876.6S 167.6
39 - 0.* 877S 182.6
40 - 0.* 877.6S 323.0
41 - 2.* 878.6S 168.2
42 - 3.* 879.1S 190.8
43 - 3.* 879.6S 359.0
44 - 3.* 880.8S 112.4

45 - 0.* 881.25S 86.4
46 - 0.* 881.5S 185.5
47 - 0.* 882S 344.3
48 - 0.* 883S 323.0
49 - 0.* 884S 196.7

50 - 0.* 884S 266.7
51 - 0.* 884.8S 149.0
52 - 0.* 885.2S 187.7
53 - 0.* 885.8S 260.9
54 - 0.* 886.6S 258.0
55 - 0.* 887.4S 317.7
56 - 0.* 888.4S 301.4
57 - 0.* 889.2S 335.8
58 - 0.* 890.2S 367.5

59 - 0.* 891.3ST 386.3

60 - 16.* 878.2SB 137.9

61 - 33.* 882SB 167.7
62 - 33.* 882.2SB 294.5

63 - 20.* 886S 451.8
64 - 20.* 887.2S 334.4
65 - 20.* 888.5S 453.6
66 - 20.* 889.6S 432.7
67 - 20.* 890.9S 141.0

68 - 6.* 883 SB 290.2

69 - 26.* 883 SB 101.9
70 - 26.* 883.2 S 35.6

71 - 3.* 881.25 260.6
72 - 3.* 882 SB 320.4
73 - 3.* 883 SB 328.2
74 - 3.* 884 SB 273.5

75 - 33.* 883.6 S 67.2

76 - 33.* 883.7 S 85.1
---
0 1 2 3 4 5 6 7
1
REC REC ID DNL PEOPLE LEQ(CAL)

```
 1  SF       67.    500.   70.8
 2  ST22.1   67.    500.   78.5
 3  SF       67.    500.   71.4
 4  SF       67.    500.   73.9
 5  LT22.1   67.    500.   76.8
 6  SF       67.    500.   72.3
 7  SF       67.    500.   73.0
 8  SF       67.    500.   73.5
 9  SF       67.    500.   72.4
10  ST22.3   67.    500.   60.5
11  ST22.2   67.    500.   63.5
12  RV PARK  67.    500.   59.7
13  MOTEL    67.    500.   68.2
14  HOTEL    67.    500.   56.2
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 2. 0.
 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 2. 3. 3. 3. 0. 0. 0. 0. 0.
 0. 0. 0. 0. 0. 0. 0. 0. 0.16.33.33.20.20.20.20.20. 6.26.26. 3. 3. 3. 3.33.
33.
```

FUTURE CASE INPUT/OUTPUT FILES

01 - La Jolla Village Dr to Genesse Ave - No Build0,Ft
T-L21 - SB LVD Off-ramp,1
957,45,29,45,14,45
T-L22 - NB LVD On-ramp,2
574,45,17,45,8,45
T-L1 - SB General Lanes - Outer,3
0,65,0,65,0,65
T-L3 - SB General Lanes - Outer,4
0,65,0,65,0,65
T-L11 - SB General Lanes - Inner,5
3333,65,105,65,162,65
T-L13 - SB General Lanes - Inner,6
3333,65,105,65,162,65
T-L51 - SB Future HOV Lanes,7
3495,65,105,65,0,65
T-L53 - SB Future HOV Lanes,8
3495,65,105,65,0,65
T-L52 - NB Future HOV Lanes,9
3495,65,105,65,0,65
T-L54 - NB Future HOV Lanes,10
3495,65,105,65,0,65
T-L12 - NB General Lanes - Inner,11
3333,65,105,65,162,65
T-L14 - NB General Lanes - Inner,12
3333,65,105,65,162,65
T-L2 - NB General Lanes - Outer,13
0,65,0,65,0,65
T-L4 - NB General Lanes - Outer,14
0,65,0,65,0,65
T-L23 - SB Genessee On-ramp,15
957,45,29,45,14,45
T-L24 - NB Genessee Off-ramp,16
957,45,29,45,14,45
L21 - SB LVD Off-ramp,1
N,908222,578667,84.5,L21.1,
N,908216,578706,83.7,L21.2,
N,908229,578747,83,L21.3,
N,908270,578785,81.5,L21.4,
N,908317,578831,81.5,L21.5,
N,908337,578860,82,L21.6,
N,908350,578906,83,L21.7,
N,908360,578962,84,L21.8,
N,908369,579018,84.9,L21.9,
N,908377,579075,86,L21.10,
L22 - NB LVD On-ramp,2
N,908560,578701,86.5,L22.1,
N,908495,578710,87.5,L22.2,
N,908456,578719,87.5,L22.3,
N,908430,578741,86.5,L22.4
N,908416,578764,85.5,L22.5
N,908410,578788,84.5,L22.6
N,908410,578821,83.5,L22.7
N,908411,578872,82.9,L22.8
N,908412,578958,84,L22.9
N,908417,579014,85,L22.10
N,908421,579072,86,L22.11

L1 - SB General Lanes - Outer,3,
N,908340,578678,80.2,L1.1
N,908350,578787,81.3,L1.2
N,908358,578874,82.8,L1.3
N,908368,578974,84.3,L1.4
N,908377,579075,86,L1.5
N,908386,579185,87.8,L1.6
N,908395,579279,89.3,L1.7
N,908404,579373,90.8,L1.8
N,908412,579467,92.3,L1.9
N,908421,579567,93.3,L1.10
N,908431,579672,92.8,L1.11
N,908440,579762,91.3,L1.12
L3 - SB General Lanes - Outer,9,
N,908440,579762,91.3,L1.12
N,908451,579888,87.8,L1.13
N,908462,579999,84.3,L1.14
N,908472,580112,80.3,L3.1
N,908480,580212,77.8,L3.2
N,908488,580312,74.3,L3.3
L11 - SB General Lanes - Inner,4,
N,908349,578678,80.5,L11.1
N,908359,578786,81.5,L11.2
N,908367,578874,83,L11.3
N,908375,578974,84.5,L11.4
N,908386,579075,86.2,L11.5
N,908395,579184,88,L11.6
N,908404,579279,89.5,L11.7
N,908413,579372,91,L11.8
N,908422,579466,92.5,L11.9
N,908430,579566,93.5,L11.10
N,908440,579672,93,L11.11
N,908449,579762,91.5,L11.12
L13 - SB General Lanes - Inner,10,
N,908449,579762,91.5,L11.12
N,908459,579887,88,L11.13
N,908471,579999,84.5,L11.14
N,908481,580113,81,L13.1
N,908489,580213,78,L13.2
N,908498,580312,75,L13.3
L51 - SB HOV Lanes,5,
N,908358,578678,80.5,L51.1
N,908367,578785,81.5,L51.2
N,908375,578874,83,L51.3
N,908384,578974,84.5,L51.4
N,908393,579074,86.2,L51.5
N,908403,579183,88,L51.6
N,908412,579278,89.5,L51.7
N,908421,579371,91,L51.8
N,908429,579466,92.5,L51.9
N,908438,579565,93.5,L51.10
N,908448,579671,93,L51.11
N,908457,579761,91.5,L51.12
L53 - SB HOV Lanes,11,
N,908457,579761,91.5,L51.12
N,908468,579886,88,L51.13

N,908479,579998,84.5,L51.14
N,908489,580113,81,L53.1
N,908497,580213,78,L53.2
N,908506,580312,75,L53.3
L52 - NB HOV Lanes,6,
N,908367,578676,80.5,L52.1
N,908377,578784,81.5,L52.2
N,908386,578873,83,L52.3
N,908394,578973,84.5,L52.4
N,908404,579073,86.2,L52.5
N,908413,579182,88,L52.6
N,908423,579277,89.5,L52.7
N,908431,579371,91,L52.8
N,908439,579464,92.5,L52.9
N,908449,579564,93.5,L52.10
N,908458,579670,93,L52.11
N,908466,579759,91.5,L52.12
L54 - NB HOV Lanes,12,
N,908466,579759,91.5,L52.12
N,908479,579884,88,L52.13
N,908488,579998,84.5,L52.14
N,908499,580113,81,L54.1
N,908507,580213,78,L54.2
N,908516,580310,75,L54.3
L12 - NB General Lanes - Inner,7,
N,908376,578675,80.3,L12.1
N,908385,578783,81.4,L12.2
N,908393,578872,82.8,L12.3
N,908402,578973,84.3,L12.4
N,908412,579072,86,L12.5
N,908421,579182,88,L12.6
N,908431,579276,89.5,L12.7
N,908439,579370,91,L12.8
N,908447,579464,92.5,L12.9
N,908457,579564,93.5,L12.10
N,908466,579669,93,L12.11
N,908475,579758,91.5,L12.12
L14 - NB General Lanes - Inner,13,
N,908475,579758,91.5,L12.12
N,908486,579884,88,L12.13
N,908496,579998,84.5,L12.14
N,908507,580113,81,L14.1
N,908515,580212,78,L14.2
N,908524,580309,75,L14.3
L2 - NB General Lanes - Outer,8,
N,908384,578674,80.2,L2.1
N,908394,578782,81.3,L2.2
N,908402,578872,82.8,L2.3
N,908411,578972,84.3,L2.4
N,908421,579072,86,L2.5
N,908429,579181,87.8,L2.6
N,908439,579276,89.3,L2.7
N,908447,579370,90.8,L2.8
N,908455,579464,92.3,L2.9
N,908465,579563,93.3,L2.10
N,908476,579669,92.8,L2.11

N,908483,579757,91.3,L2.12
L4 - NB General Lanes - Outer,14,
N,908483,579757,91.3,L2.12
N,908495,579884,87.8,L2.13
N,908505,579997,84.3,L2.14
N,908516,580112,80.3,L4.1
N,908524,580212,77.8,L4.2
N,908533,580308,74.3,L4.3
L23 - SB Genessee On-ramp,15,
N,908462,579999,84.3,L23.1
N,908463,580051,82.7,L23.2
N,908464,580112,80.6,L23.3
N,908466,580165,79,L23.4
N,908462,580228,78,L23.5
N,908455,580254,78,L23.6
N,908434,580293,77.5,L23.7
N,908411,580320,77,L23.8
N,908380,580342,76.5,L23.9
N,908342,580362,75,L23.10
L24 - NB Genessee Off-ramp,16,
N,908495,579884,82.8,L24.1
N,908511,579997,84.3,L24.2
N,908523,580075,81.5,L24.3
N,908535,580135,80.3,L24.4
N,908547,580183,80.5,L24.5
N,908562,580230,82,L24.6
N,908588,580288,83.5,L24.7
B5 - Nat Bar SB LVD Off-ramp,1,2,0,0
908254,578830,104,104,B5.1
908273,578849,105,105,B5.2
908302,578891,104,104,B5.3
908318,578958,104,104,B5.4
908331,578982,102,102,B5.5
908356,579016,88,88,B5.6
B1 - 5.5' Prop Wall,2,2,0,0
908288,579210,96.5,98.2,B1.1
908294,579226,96.5,98.2,B1.2
908297,579235,98,99.7,B1.3
908305,579256,99,100.7,B1.4
908306,579267,99.3,101,B1.5
908310,579273,99.5,101.2,B1.6
908313,579280,100,102.9,B1.6A
908320,579280,100,102.9,B1.7
908326,579292,101,103.9,B1.8
B2 - 5.5' Prop Wall,3,2,0,0
908326,579292,101,101,B1.8
908335,579314,101,101,B1.9
908345,579337,100,100,B1.10
908346,579364,99.5,99.5,B2.1
908346,579364,99.5,101.2,B2.1
908357,579402,99.5,101.2,B2.2
908364,579435,99.5,101.2,B2.3
908358,579455,100.3,102,B2.4
B3 - Nat Bar SB side,4,2,0,0
908274,579151,98.3,98.3,B3.1
908295,579160,98,98,B3.2

908304,579169,98,98,B3.3
908316,579180,98,98,B3.4
908322,579188,99,99,B3.5
908335,579217,98,98,B3.6
908345,579259,96.5,96.5,B3.7
908358,579322,95.5,95.5,B3.8
908372,579384,96,96,B3.9
908382,579436,98,98,B3.10
B4 - Nat Bar SB side,5,2,0,0
908382,579436,98,98,B4.1
908392,579489,100,100,B4.2
908397,579543,102,102,B4.3
908405,579615,102,102,B4.4
908415,579669,102,102,B4.5
908417,579702,104,104,B4.6
908433,579709,103.8,103.8,B4.7
908434,579724,103.8,103.8,B4.8
908414,579714,104,104,B4.9
908417,579747,104,104,B4.10
B6 - Nat Bar NB side,6,2,0,0
908467,579524,92,92,B6.1
908472,579575,94,94,B6.2
908475,579597,96,96,B6.3
908480,579624,98,98,B6.4
908486,579651,100,100,B6.5
908493,579684,102,102,B6.6
908507,579735,103,103,B6.7
908502,579745,102.3,102.3,B6.8
908486,579736,102.6,102.6,B6.9
908487,579749,102.6,102.6,B6.10
B7 - Nat Bar NB side,7,2,0,0
908487,579749,102.6,102.6,B7.1
908506,579760,102.3,102.3,B7.2
908509,579787,104,104,B7.3
908521,579872,103.5,103.5,B7.4
908523,579908,102,102,B7.5
908535,579954,100,100,B7.6
908553,580010,100,100,B7.7
908570,580081,104,104,B7.8
B8 - Nat Bar SB side,8,2,0,0
908319,579156,98,98,B8.1
908344,579235,96,96,B8.2
908349,579267,96,96,B8.3
908358,579322,95.5,95.5,B8.4
908372,579384,96,96,B8.5
908390,579437,98,98,B8.6
908397,579482,98,98,B8.7
908410,579534,98,98,B8.8
B10 - 3 story Bldg at R1.5,9,2,0,0
908327,579429,100,115,B10.1
908353,579418,99.5,114.5,B10.2
908357,579433,99.5,114.5,B10.3
908325,579452,100,115,B10.4
R,1,67,4
908290,579228,97,R1.1
R,2,67,4

908307,579276,101,R1.2
R,3,67,4
908329,579320,102.5,R1.3
R,4,67,4
908357,579416,101,R1.4
R,5,67,4
908311,579459,104.3,R1.5
R,6,67,4
908632,579654,99.3,R1.6
R,7,67,4
908592,579737,98.9,R1.7
D,4.5
ALL,ALL
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
01 - LA JOLLA VILLAGE DR TO GENESSE AVE - NO BUILD0,FT

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	0.*							B5.1	88.2	
2	-	0.*							B5.2	167.5	
3	-	0.*							B5.3	226.0	
4	-	0.*							B5.4	89.8	
5	-	0.*							B5.5	145.9	
6	-	6.*							B1.1	56.1	
7	-	6.*							B1.2	31.5	
8	-	6.*							B1.3	73.8	
9	-	6.*							B1.4	36.3	
10	-	6.*							B1.5	23.7	
11	-	8.*							B1.6	25.5	
12	-	10.*							B1.6A	23.0	
13	-	8.*							B1.7	44.1	
14	-	0.*							B1.8	78.0	
15	-	0.*							B1.9	82.3	
16	-	0.*							B1.10	88.7	
17	-	3.*							B2.1	5.6	
18	-	6.*							B2.1	129.8	
19	-	6.*							B2.2	110.7	
20	-	6.*							B2.3	68.5	
21	-	0.*							B3.1	75.0	
22	-	0.*							B3.2	41.8	
23	-	0.*							B3.3	53.4	
24	-	0.*							B3.4	32.9	
25	-	0.*							B3.5	104.3	
26	-	0.*							B3.6	141.7	
27	-	0.*							B3.7	211.1	
28	-	0.*							B3.8	208.5	
29	-	0.*							B3.9	173.8	
30	-	0.*							B4.1	177.1	
31	-	0.*							B4.2	178.1	
32	-	0.*							B4.3	237.7	
33	-	0.*							B4.4	180.2	
34	-	0.*							B4.5	108.6	
35	-	0.*							B4.6	57.3	
36	-	0.*							B4.7	49.3	
37	-	0.*							B4.8	73.3	
38	-	0.*							B4.9	108.7	

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39    -  0.*                    B6.1      168.2
40    -  0.*                    B6.2       73.2
41    -  0.*                    B6.3       90.2
42    -  0.*                    B6.4       91.0
43    -  0.*                    B6.5      110.9
44    -  0.*                    B6.6      173.5
45    -  0.*                    B6.7       36.7
46    -  0.*                    B6.8       60.2
47    -  0.*                    B6.9       42.7

48    -  0.*                    B7.1       72.0
49    -  0.*                    B7.2       89.3
50    -  0.*                    B7.3      281.7
51    -  0.*                    B7.4      118.4
52    -  0.*                    B7.5      156.1
53    -  0.*                    B7.6      192.9
54    -  0.*                    B7.7      239.9

55    -  0.*                    B8.1      271.9
56    -  0.*                    B8.2      106.3
57    -  0.*                    B8.3      182.8
58    -  0.*                    B8.4      208.5
59    -  0.*                    B8.5      183.8
60    -  0.*                    B8.6      149.5
61    -  0.*                    B8.7      175.9

62    - 49.*                    B10.1      92.6
63    - 49.*                    B10.2      50.9
64    - 49.*                    B10.3     122.1
--------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
---------------------------------
 1  R1.1      67.   500.   62.1
 2  R1.2      67.   500.   67.0
 3  R1.3      67.   500.   71.5
 4  R1.4      67.   500.   70.6
 5  R1.5      67.   500.   65.4
 6  R1.6      67.   500.   62.7
 7  R1.7      67.   500.   61.8
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 0. 0. 0. 0. 0. 6. 6. 6. 6. 6. 8.10. 8. 0. 0. 0. 3. 6. 6. 6. 0. 0. 0. 0. 0.
 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
```

01 - La Jolla Village Dr to Genesse Ave - BuildBld,Ft
T-L21 - SB LVD Off-ramp,1
957,45,29,45,14,45
T-L22 - NB LVD On-ramp,2
957,45,29,45,14,45
T-L1 - SB General 3 Lanes - Outer,3
5005,65,158,65,237,65
T-L1/L3 - SB General 4 Lanes - Outer,4
6674,65,210,65,316,65
T-L11 - SB General 2 Lanes - Inner,5
3495,65,105,65,0,65
T-L13 - SB General 2 Lanes - Inner,6
3495,65,105,65,0,65
T-L51 - SB Future HOV 2 Lanes,7
3000,65,0,65,0,65
T-L51/L53 - SB Future HOV 3 Lanes,8
4500,65,0,65,0,65
T-L52 - NB Future HOV 2 Lanes,9
3000,65,0,65,0,65
T-L52/L54 - NB Future HOV 3 Lanes,10
4500,65,0,65,0,65
T-L12 - NB General 2 Lanes - Inner,11
3495,65,105,65,0,65
T-L14 - NB General 2 Lanes - Inner,12
3495,65,105,65,0,65
T-L2 - NB General 3 Lanes - Outer,13
5005,65,158,65,237,65
T-L2/L4 - NB General 4 Lanes - Outer,14
6674,65,210,65,316,65
T-L23 - SB Genessee On-ramp,15
957,45,29,45,14,45
T-L24 - NB Genessee Off-ramp,16
957,45,29,45,14,45
L21 - SB LVD Off-ramp,1
N,908225,578653,84.7,L21.1,
N,908216,578707,83.7,L21.2,
N,908229,578743,83,L21.3,
N,908288,578798,81.4,L21.4,
N,908311,578829,81.5,L21.5,
N,908329,578882,82,L21.6,
N,908353,579018,84.9,L21.7,
N,908375,579156,86.9,L21.8,
N,908395,579279,89.3,L21.9,
L22 - NB LVD On-ramp,2
N,908560,578701,86.5,L22.1,
N,908495,578710,87.5,L22.2,
N,908456,578719,87.5,L22.3,
N,908430,578741,86.5,L22.4,
N,908416,578764,85.5,L22.5
N,908410,578788,84.5,L22.6
N,908410,578821,83.5,L22.7
N,908411,578872,82.9,L22.8
N,908412,578958,84,L22.9
N,908417,579014,85,L22.10
N,908421,579072,86,L22.11
L1 - SB General 3 Lanes - Outer,3,

N,908340,578678,80.2,L1.1
N,908350,578787,81.3,L1.2
N,908358,578874,82.8,L1.3
N,908368,578974,84.3,L1.4
N,908377,579075,86,L1.5
N,908386,579185,87.8,L1.6
N,908395,579279,89.3,L1.7
L1/L3 - SB General 4 Lanes - Outer,4,
N,908395,579279,89.3,L1.7
N,908404,579373,90.8,L1.8
N,908412,579467,92.3,L1.9
N,908421,579567,93.3,L1.10
N,908431,579672,92.8,L1.11
N,908440,579762,91.3,L1.12
N,908451,579888,87.8,L1.13
N,908462,579999,84.3,L1.14
N,908472,580112,80.3,L3.1
N,908480,580212,77.8,L3.2
N,908488,580312,74.3,L3.3
L11 - SB General 2 Lanes - Inner,5,
N,908349,578678,80.5,L11.1
N,908359,578786,81.5,L11.2
N,908367,578874,83,L11.3
N,908375,578974,84.5,L11.4
N,908386,579075,86.2,L11.5
N,908395,579184,88,L11.6
N,908404,579279,89.5,L11.7
N,908413,579372,91,L11.8
N,908422,579466,92.5,L11.9
N,908430,579566,93.5,L11.10
N,908440,579672,93,L11.11
N,908449,579762,91.5,L11.12
L13 - SB General 2 Lanes - Inner,6,
N,908449,579762,91.5,L11.12
N,908459,579887,88,L11.13
N,908471,579999,84.5,L11.14
N,908481,580113,81,L13.1
N,908489,580213,78,L13.2
N,908498,580312,75,L13.3
L51 - SB HOV 2 Lanes,7,
N,908358,578678,80.5,L51.1
N,908367,578785,81.5,L51.2
N,908375,578874,83,L51.3
N,908384,578974,84.5,L51.4
N,908393,579074,86.2,L51.5
N,908403,579183,88,L51.6
N,908412,579278,89.5,L51.7
N,908421,579371,91,L51.8
L51/L53 - SB HOV 3 Lanes,8,
N,908421,579371,91,L51.8
N,908429,579466,92.5,L51.9
N,908438,579565,93.5,L51.10
N,908448,579671,93,L51.11
N,908457,579761,91.5,L51.12
N,908468,579886,88,L51.13
N,908479,579998,84.5,L51.14

N,908489,580113,81,L53.1
N,908497,580213,78,L53.2
N,908506,580312,75,L53.3
L52 - NB HOV 2 Lanes,9,
N,908367,578676,80.5,L52.1
N,908377,578784,81.5,L52.2
N,908386,578873,83,L52.3
N,908394,578973,84.5,L52.4
N,908404,579073,86.2,L52.5
N,908413,579182,88,L52.6
N,908423,579277,89.5,L52.7
N,908431,579371,91,L52.8
L52/L54 - NB HOV 3 Lanes,10,
N,908431,579371,91,L52.8
N,908439,579464,92.5,L52.9
N,908449,579564,93.5,L52.10
N,908458,579670,93,L52.11
N,908466,579759,91.5,L52.12
N,908479,579884,88,L52.13
N,908488,579998,84.5,L52.14
N,908499,580113,81,L54.1
N,908507,580213,78,L54.2
N,908516,580310,75,L54.3
L12 - NB General 2 Lanes - Inner,11,
N,908376,578675,80.3,L12.1
N,908385,578783,81.4,L12.2
N,908393,578872,82.8,L12.3
N,908402,578973,84.3,L12.4
N,908412,579072,86,L12.5
N,908421,579182,88,L12.6
N,908431,579276,89.5,L12.7
N,908439,579370,91,L12.8
N,908447,579464,92.5,L12.9
N,908457,579564,93.5,L12.10
N,908466,579669,93,L12.11
N,908475,579758,91.5,L12.12
L14 - NB General 2 Lanes - Inner,12,
N,908475,579758,91.5,L12.12
N,908486,579884,88,L12.13
N,908496,579998,84.5,L12.14
N,908507,580113,81,L14.1
N,908515,580212,78,L14.2
N,908524,580309,75,L14.3
L2 - NB General 3 Lanes - Outer,13,
N,908384,578674,80.2,L2.1
N,908394,578782,81.3,L2.2
N,908402,578872,82.8,L2.3
N,908411,578972,84.3,L2.4
N,908421,579072,86,L2.5
N,908429,579181,87.8,L2.6
N,908439,579276,89.3,L2.7
N,908447,579370,90.8,L2.8
L2/L4 - NB General 4 Lanes - Outer,14,
N,908447,579370,90.8,L2.8
N,908455,579464,92.3,L2.9
N,908465,579563,93.3,L2.10

N,908476,579669,92.8,L2.11
N,908483,579757,91.3,L2.12
N,908495,579884,87.8,L2.13
N,908505,579997,84.3,L2.14
N,908516,580112,80.3,L4.1
N,908524,580212,77.8,L4.2
N,908533,580308,74.3,L4.3
L23 - SB Genessee On-ramp,15,
N,908462,579999,84.3,L23.1
N,908463,580051,82.7,L23.2
N,908464,580112,80.6,L23.3
N,908466,580165,79,L23.4
N,908462,580228,78,L23.5
N,908455,580254,78,L23.6
N,908434,580293,77.5,L23.7
N,908411,580320,77,L23.8
N,908380,580342,76.5,L23.9
N,908342,580362,75,L23.10
L24 - NB Genessee Off-ramp,16,
N,908495,579884,82.8,L24.1
N,908511,579997,84.3,L24.2
N,908523,580075,81.5,L24.3
N,908535,580135,80.3,L24.4
N,908547,580183,80.5,L24.5
N,908562,580230,82,L24.6,
N,908588,580288,83.5,L24.7,
B5 - Nat Bar SB LVD Off-ramp,1,2,0,0,
908254,578830,104,104,B5.1,
908273,578849,105,105,B5.2,
908302,578891,104,104,B5.3,
908318,578958,104,104,B5.4,
908331,578982,102,102,B5.5,
908338,578995,98,98,B5.6,
B1 - 5.5' Prop Wall,2,2,0,0,
908288,579210,96.5,98.2,B1.1,
908294,579226,96.5,98.2,B1.2,
908297,579235,98,99.7,B1.3,
908305,579256,99,100.7,B1.4,
908306,579267,99.3,101,B1.5,
908310,579273,99.5,101.2,B1.6,
908313,579280,100,102.9,B1.6A,
908320,579280,100,102.9,B1.7,
908326,579292,101,102.9,B1.8,
B2 - 5.5' Prop Wall,3,2,0,0,
908326,579292,101,101,B1.8,
908335,579314,101,101,B1.9,
908345,579337,100,100,B1.10,
908346,579364,99.5,99.5,B2.1,
908346,579364,99.5,101.2,B2.1,
908357,579402,99.5,101.2,B2.2,
908364,579435,99.5,101.2,B2.3,
908358,579455,100.3,102,B2.4,
B3 - Nat Bar SB side,4,2,0,0,
908274,579151,98.3,98.3,B3.1,
908295,579160,98,98,B3.2,
908304,579169,98,98,B3.3,

908316,579180,98,98,B3.4,
908322,579188,99,99,B3.5,
908335,579217,98,98,B3.6,
908345,579259,96.5,96.5,B3.7,
908358,579322,95.5,95.5,B3.8,
908372,579384,96,96,B3.9,
908382,579436,98,98,B3.10,
B4 - Nat Bar SB side,5,2,0,0,
908382,579436,98,98,B4.1,
908392,579489,100,100,B4.2,
908397,579543,102,102,B4.3,
908405,579615,102,102,B4.4,
908415,579669,102,102,B4.5,
908417,579702,104,104,B4.6,
908433,579709,103.8,103.8,B4.7,
908434,579724,103.8,103.8,B4.8,
908414,579714,104,104,B4.9,
908417,579747,104,104,B4.10,
B6 - Nat Bar NB side,6,2,0,0,
908467,579524,92,92,B6.1,
908472,579575,94,94,B6.2,
908475,579597,96,96,B6.3,
908480,579624,98,98,B6.4,
908486,579651,100,100,B6.5,
908493,579684,102,102,B6.6,
908507,579735,103,103,B6.7,
908502,579745,102.3,102.3,B6.8,
908486,579736,102.6,102.6,B6.9,
908487,579749,102.6,102.6,B6.10,
B7 - Nat Bar NB side,7,2,0,0,
908487,579749,102.6,102.6,B7.1,
908506,579760,102.3,102.3,B7.2,
908509,579787,104,104,B7.3,
908521,579872,103.5,103.5,B7.4,
908523,579908,102,102,B7.5,
908535,579954,100,100,B7.6,
908553,580010,100,100,B7.7,
908570,580081,104,104,B7.8,
B8 - Nat Bar SB side,8,2,0,0,
908319,579156,98,98,B8.1,
908344,579235,96,96,B8.2,
908349,579267,96,96,B8.3,
908358,579322,95.5,95.5,B8.4,
908372,579384,96,96,B8.5,
908390,579437,98,98,B8.6,
908397,579482,98,98,B8.7,
908397,579543,102,102,B8.8,
B10 - 3 story Bldg at R1.5,9,2,0,0,
908327,579429,100,115,B10.1,
908353,579418,99.5,114.5,B10.2,
908357,579433,99.5,114.5,B10.3,
908325,579452,100,115,B10.4,
B11 - Nat Bar NB side,10,2,0,0,
908600,579600,98,98,B11.1,
908506,579760,102.3,102.3,B11.2,
R,1,67,4

908290,579228,97,R1.1
R,2,67,4
908307,579276,101,R1.2
R,3,67,4
908329,579320,102.5,R1.3
R,4,67,4
908357,579416,101,R1.4

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
01 - LA JOLLA VILLAGE DR TO GENESSE AVE - BUILDBLD,FT

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	0.*							B5.1	88.2	
2	-	0.*							B5.2	167.5	
3	-	0.*							B5.3	226.0	
4	-	0.*							B5.4	89.8	
5	-	0.*							B5.5	50.2	
6	-	6.*							B1.1	56.1	
7	-	6.*							B1.2	31.5	
8	-	6.*							B1.3	73.8	
9	-	6.*							B1.4	36.3	
10	-	6.*							B1.5	23.7	
11	-	8.*							B1.6	25.5	
12	-	10.*							B1.6A	23.0	
13	-	8.*							B1.7	44.1	
14	-	0.*							B1.8	78.0	
15	-	0.*							B1.9	82.3	
16	-	0.*							B1.10	88.7	
17	-	3.*							B2.1	5.6	
18	-	6.*							B2.1	129.8	
19	-	6.*							B2.2	110.7	
20	-	6.*							B2.3	68.5	
21	-	0.*							B3.1	75.0	
22	-	0.*							B3.2	41.8	
23	-	0.*							B3.3	53.4	
24	-	0.*							B3.4	32.9	
25	-	0.*							B3.5	104.3	
26	-	0.*							B3.6	141.7	
27	-	0.*							B3.7	211.1	
28	-	0.*							B3.8	208.5	
29	-	0.*							B3.9	173.8	
30	-	0.*							B4.1	177.1	
31	-	0.*							B4.2	178.1	
32	-	0.*							B4.3	237.7	
33	-	0.*							B4.4	180.2	
34	-	0.*							B4.5	108.6	
35	-	0.*							B4.6	57.3	
36	-	0.*							B4.7	49.3	
37	-	0.*							B4.8	73.3	
38	-	0.*							B4.9	108.7	

```
39    -  0.*                    B6.1      168.2
40    -  0.*                    B6.2       73.2
41    -  0.*                    B6.3       90.2
42    -  0.*                    B6.4       91.0
43    -  0.*                    B6.5      110.9
44    -  0.*                    B6.6      173.5
45    -  0.*                    B6.7       36.7
46    -  0.*                    B6.8       60.2
47    -  0.*                    B6.9       42.7

48    -  0.*                    B7.1       72.0
49    -  0.*                    B7.2       89.3
50    -  0.*                    B7.3      281.7
51    -  0.*                    B7.4      118.4
52    -  0.*                    B7.5      156.1
53    -  0.*                    B7.6      192.9
54    -  0.*                    B7.7      239.9

55    -  0.*                    B8.1      271.9
56    -  0.*                    B8.2      106.3
57    -  0.*                    B8.3      182.8
58    -  0.*                    B8.4      208.5
59    -  0.*                    B8.5      183.8
60    -  0.*                    B8.6      149.5
61    -  0.*                    B8.7      200.5

62    - 49.*                    B10.1      92.6
63    - 49.*                    B10.2      50.9
64    - 49.*                    B10.3     122.1

65    -  0.*                    B11.1     609.0
--------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
---------------------------------
 1  R1.1      67.   500.   64.3
 2  R1.2      67.   500.   69.4
 3  R1.3      67.   500.   74.0
 4  R1.4      67.   500.   73.4
 5  R1.5      67.   500.   67.9
 6  R1.6      67.   500.   65.6
 7  R1.7      67.   500.   64.1
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 0. 0. 0. 0. 0. 6. 6. 6. 6. 6. 8.10. 8. 0. 0. 0. 3. 6. 6. 6. 0. 0. 0. 0. 0.
 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.49.49.49. 0.
```

01 - La Jolla Village Dr to Genesse Ave - BuildDGN,Ft
T-L21 - SB LVD Off-ramp,1
957,45,29,45,14,45
T-L22 - NB LVD On-ramp,2
957,45,29,45,14,45
T-L1 - SB General 3 Lanes - Outer,3
5005,65,158,65,237,65
T-L1/L3 - SB General 4 Lanes - Outer,4
6674,65,210,65,316,65
T-L11 - SB General 2 Lanes - Inner,5
3495,65,105,65,0,65
T-L13 - SB General 2 Lanes - Inner,6
3495,65,105,65,0,65
T-L51 - SB Future HOV 2 Lanes,7
3000,65,0,65,0,65
T-L51/L53 - SB Future HOV 3 Lanes,8
4500,65,0,65,0,65
T-L52 - NB Future HOV 2 Lanes,9
3000,65,0,65,0,65
T-L52/L54 - NB Future HOV 3 Lanes,10
4500,65,0,65,0,65
T-L12 - NB General 2 Lanes - Inner,11
3495,65,105,65,0,65
T-L14 - NB General 2 Lanes - Inner,12
3495,65,105,65,0,65
T-L2 - NB General 3 Lanes - Outer,13
5005,65,158,65,237,65
T-L2/L4 - NB General 4 Lanes - Outer,14
6674,65,210,65,316,65
T-L23 - SB Genessee On-ramp,15
957,45,29,45,14,45
T-L24 - NB Genessee Off-ramp,16
957,45,29,45,14,45
L21 - SB LVD Off-ramp,1
N,908225,578653,84.7,L21.1,
N,908216,578707,83.7,L21.2,
N,908229,578743,83,L21.3,
N,908288,578798,81.4,L21.4,
N,908311,578829,81.5,L21.5,
N,908329,578882,82,L21.6,
N,908353,579018,84.9,L21.7,
N,908375,579156,86.9,L21.8,
N,908395,579279,89.3,L21.9,
L22 - NB LVD On-ramp,2
N,908560,578701,86.5,L22.1,
N,908495,578710,87.5,L22.2,
N,908456,578719,87.5,L22.3,
N,908430,578741,86.5,L22.4,
N,908416,578764,85.5,L22.5
N,908410,578788,84.5,L22.6
N,908410,578821,83.5,L22.7
N,908411,578872,82.9,L22.8
N,908412,578958,84,L22.9
N,908417,579014,85,L22.10
N,908421,579072,86,L22.11
L1 - SB General 3 Lanes - Outer,3,

N,908340,578678,80.2,L1.1
N,908350,578787,81.3,L1.2
N,908358,578874,82.8,L1.3
N,908368,578974,84.3,L1.4
N,908377,579075,86,L1.5
N,908386,579185,87.8,L1.6
N,908395,579279,89.3,L1.7
L1/L3 - SB General 4 Lanes - Outer,4,
N,908395,579279,89.3,L1.7
N,908404,579373,90.8,L1.8
N,908412,579467,92.3,L1.9
N,908421,579567,93.3,L1.10
N,908431,579672,92.8,L1.11
N,908440,579762,91.3,L1.12
N,908451,579888,87.8,L1.13
N,908462,579999,84.3,L1.14
N,908472,580112,80.3,L3.1
N,908480,580212,77.8,L3.2
N,908488,580312,74.3,L3.3
L11 - SB General 2 Lanes - Inner,5,
N,908349,578678,80.5,L11.1
N,908359,578786,81.5,L11.2
N,908367,578874,83,L11.3
N,908375,578974,84.5,L11.4
N,908386,579075,86.2,L11.5
N,908395,579184,88,L11.6
N,908404,579279,89.5,L11.7
N,908413,579372,91,L11.8
N,908422,579466,92.5,L11.9
N,908430,579566,93.5,L11.10
N,908440,579672,93,L11.11
N,908449,579762,91.5,L11.12
L13 - SB General 2 Lanes - Inner,6,
N,908449,579762,91.5,L11.12
N,908459,579887,88,L11.13
N,908471,579999,84.5,L11.14
N,908481,580113,81,L13.1
N,908489,580213,78,L13.2
N,908498,580312,75,L13.3
L51 - SB HOV 2 Lanes,7,
N,908358,578678,80.5,L51.1
N,908367,578785,81.5,L51.2
N,908375,578874,83,L51.3
N,908384,578974,84.5,L51.4
N,908393,579074,86.2,L51.5
N,908403,579183,88,L51.6
N,908412,579278,89.5,L51.7
N,908421,579371,91,L51.8
L51/L53 - SB HOV 3 Lanes,8,
N,908421,579371,91,L51.8
N,908429,579466,92.5,L51.9
N,908438,579565,93.5,L51.10
N,908448,579671,93,L51.11
N,908457,579761,91.5,L51.12
N,908468,579886,88,L51.13
N,908479,579998,84.5,L51.14

N,908489,580113,81,L53.1
N,908497,580213,78,L53.2
N,908506,580312,75,L53.3
L52 - NB HOV 2 Lanes,9,
N,908367,578676,80.5,L52.1
N,908377,578784,81.5,L52.2
N,908386,578873,83,L52.3
N,908394,578973,84.5,L52.4
N,908404,579073,86.2,L52.5
N,908413,579182,88,L52.6
N,908423,579277,89.5,L52.7
N,908431,579371,91,L52.8
L52/L54 - NB HOV 3 Lanes,10,
N,908431,579371,91,L52.8
N,908439,579464,92.5,L52.9
N,908449,579564,93.5,L52.10
N,908458,579670,93,L52.11
N,908466,579759,91.5,L52.12
N,908479,579884,88,L52.13
N,908488,579998,84.5,L52.14
N,908499,580113,81,L54.1
N,908507,580213,78,L54.2
N,908516,580310,75,L54.3
L12 - NB General 2 Lanes - Inner,11,
N,908376,578675,80.3,L12.1
N,908385,578783,81.4,L12.2
N,908393,578872,82.8,L12.3
N,908402,578973,84.3,L12.4
N,908412,579072,86,L12.5
N,908421,579182,88,L12.6
N,908431,579276,89.5,L12.7
N,908439,579370,91,L12.8
N,908447,579464,92.5,L12.9
N,908457,579564,93.5,L12.10
N,908466,579669,93,L12.11
N,908475,579758,91.5,L12.12
L14 - NB General 2 Lanes - Inner,12,
N,908475,579758,91.5,L12.12
N,908486,579884,88,L12.13
N,908496,579998,84.5,L12.14
N,908507,580113,81,L14.1
N,908515,580212,78,L14.2
N,908524,580309,75,L14.3
L2 - NB General 3 Lanes - Outer,13,
N,908384,578674,80.2,L2.1
N,908394,578782,81.3,L2.2
N,908402,578872,82.8,L2.3
N,908411,578972,84.3,L2.4
N,908421,579072,86,L2.5
N,908429,579181,87.8,L2.6
N,908439,579276,89.3,L2.7
N,908447,579370,90.8,L2.8
L2/L4 - NB General 4 Lanes - Outer,14,
N,908447,579370,90.8,L2.8
N,908455,579464,92.3,L2.9
N,908465,579563,93.3,L2.10

N,908476,579669,92.8,L2.11
N,908483,579757,91.3,L2.12
N,908495,579884,87.8,L2.13
N,908505,579997,84.3,L2.14
N,908516,580112,80.3,L4.1
N,908524,580212,77.8,L4.2
N,908533,580308,74.3,L4.3
L23 - SB Genessee On-ramp,15,
N,908462,579999,84.3,L23.1
N,908463,580051,82.7,L23.2
N,908464,580112,80.6,L23.3
N,908466,580165,79,L23.4
N,908462,580228,78,L23.5
N,908455,580254,78,L23.6
N,908434,580293,77.5,L23.7
N,908411,580320,77,L23.8
N,908380,580342,76.5,L23.9
N,908342,580362,75,L23.10
L24 - NB Genessee Off-ramp,16,
N,908495,579884,82.8,L24.1
N,908511,579997,84.3,L24.2
N,908523,580075,81.5,L24.3
N,908535,580135,80.3,L24.4
N,908547,580183,80.5,L24.5
N,908562,580230,82,L24.6,
N,908588,580288,83.5,L24.7,
B5 - Nat Bar SB LVD Off-ramp,1,2,0,0,
908254,578830,104,104,B5.1,
908273,578849,105,105,B5.2,
908302,578891,104,104,B5.3,
908318,578958,104,104,B5.4,
908331,578982,102,102,B5.5,
908338,578995,98,98,B5.6,
B1 - 5.5' Prop Wall,2,2,0,0,
908288,579210,96.5,98.2,B1.1,
908294,579226,96.5,98.2,B1.2,
908297,579235,98,99.7,B1.3,
908305,579256,99,100.7,B1.4,
908306,579267,99.3,101,B1.5,
908310,579273,99.5,101.2,B1.6,
908313,579280,100,102.9,B1.6A,
908320,579280,100,102.9,B1.7,
908326,579292,101,102.9,B1.8,
B2 - 5.5' Prop Wall,3,2,0,0,
908326,579292,101,101,B1.8,
908335,579314,101,101,B1.9,
908345,579337,100,100,B1.10,
908346,579364,99.5,99.5,B2.1,
908346,579364,99.5,101.2,B2.1,
908357,579402,99.5,101.2,B2.2,
908364,579435,99.5,101.2,B2.3,
908358,579455,100.3,102,B2.4,
B3 - Nat Bar SB side,4,2,0,0,
908274,579151,98.3,98.3,B3.1,
908295,579160,98,98,B3.2,
908304,579169,98,98,B3.3,

908316,579180,98,98,B3.4,
B3/B4 - Nat Bar SB side,5,2,0,0,
908316,579180,98,102.9,B3.4,
908322,579188,99,103.9,B3.5,
908335,579217,98,102.9,B3.6,
908345,579259,96.5,101.4,B3.7,
908358,579322,95.5,100.4,B3.8,
908372,579384,96,100.9,B3.9,
908382,579436,98,102.9,B3.10,
908382,579436,98,102.9,B4.1,
908392,579489,100,104.9,B4.2,
908397,579543,102,106.9,B4.3,
B4 - Nat Bar SB side,6,2,0,0,
908397,579543,102,102,B4.3,
908405,579615,102,102,B4.4,
908415,579669,102,102,B4.5,
908417,579702,104,104,B4.6,
908433,579709,103.8,103.8,B4.7,
908434,579724,103.8,103.8,B4.8,
908414,579714,104,104,B4.9,
908417,579747,104,104,B4.10,
B6 - Nat Bar NB side,7,2,0,0,
908467,579524,92,92.0,B6.1,
908472,579575,94,94.0,B6.2,
908475,579597,96,96.0,B6.3,
908480,579624,98,98.0,B6.4,
908486,579651,100,100.0,B6.5,
908493,579684,102,102.0,B6.6,
908507,579735,103,103.0,B6.7,
908502,579745,102.3,102.3,B6.8,
B6 - Nat Bar NB side,8,2,0,0,
908502,579745,102.3,102.3,B6.8,
908486,579736,102.6,102.6,B6.9,
908487,579749,102.6,102.6,B6.10,
B7 - Nat Bar NB side,9,2,0,0,
908487,579749,102.6,102.6,B7.1,
908506,579760,102.3,102.3,B7.2,
908509,579787,104,104,B7.3,
908521,579872,103.5,103.5,B7.4,
908523,579908,102,102,B7.5,
908535,579954,100,100,B7.6,
908553,580010,100,100,B7.7,
908570,580081,104,104,B7.8,
B8 - Nat Bar SB side,10,2,0,0,
908319,579156,98,98,B8.1,
908344,579235,96,96,B8.2,
908349,579267,96,96,B8.3,
908358,579322,95.5,95.5,B8.4,
908372,579384,96,96,B8.5,
908390,579437,98,98,B8.6,
908397,579482,98,98,B8.7,
908397,579543,102,102,B8.8,
B10 - 3 story Bldg at R1.5,11,2,0,0,
908327,579429,100,115,B10.1,
908353,579418,99.5,114.5,B10.2,
908357,579433,99.5,114.5,B10.3,

908325,579452,100,115,B10.4,
B11 - Nat Bar NB side,12,2,0,0,
908600,579600,98,98,B11.1,
908506,579760,102.3,102.3,B11.2,
R,1,67,4
908290,579228,97,R1.1
R,2,67,4
908307,579276,101,R1.2
R,3,67,4
908329,579320,102.5,R1.3
R,4,67,4
908357,579416,101,R1.4
R,5,67,4
908311,579459,104.3,R1.5
R,6,67,4
908632,579654,99.3,R1.6
R,7,67,4
908592,579737,98.9,R1.7
D,4.5
ALL,ALL
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
01 - LA JOLLA VILLAGE DR TO GENESSE AVE - BUILDDGN,FT

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	-	0.*							B5.1	88.2	
2	-	0.*							B5.2	167.5	
3	-	0.*							B5.3	226.0	
4	-	0.*							B5.4	89.8	
5	-	0.*							B5.5	50.2	
6	-	6.*							B1.1	56.1	
7	-	6.*							B1.2	31.5	
8	-	6.*							B1.3	73.8	
9	-	6.*							B1.4	36.3	
10	-	6.*							B1.5	23.7	
11	-	8.*							B1.6	25.5	
12	-	10.*							B1.6A	23.0	
13	-	8.*							B1.7	44.1	
14	-	0.*							B1.8	78.0	
15	-	0.*							B1.9	82.3	
16	-	0.*							B1.10	88.7	
17	-	3.*							B2.1	5.6	
18	-	6.*							B2.1	129.8	
19	-	6.*							B2.2	110.7	
20	-	6.*							B2.3	68.5	
21	-	0.*							B3.1	75.0	
22	-	0.*							B3.2	41.8	
23	-	0.*							B3.3	53.4	
24	-	16.*							B3.4	32.9	
25	-	16.*							B3.5	104.3	
26	-	16.*							B3.6	141.7	
27	-	16.*							B3.7	211.1	
28	-	16.*							B3.8	208.5	
29	-	16.*							B3.9	173.8	
30	-	16.*							B3.10	.0	
31	-	16.*							B4.1	177.1	
32	-	16.*							B4.2	178.1	
33	-	0.*							B4.3	237.7	
34	-	0.*							B4.4	180.2	
35	-	0.*							B4.5	108.6	
36	-	0.*							B4.6	57.3	
37	-	0.*							B4.7	49.3	
38	-	0.*							B4.8	73.3	

```
39    -  0.*                    B4.9      108.7

40    -  0.*                    B6.1      168.2
41    -  0.*                    B6.2       73.2
42    -  0.*                    B6.3       90.2
43    -  0.*                    B6.4       91.0
44    -  0.*                    B6.5      110.9
45    -  0.*                    B6.6      173.5
46    -  0.*                    B6.7       36.7

47    -  0.*                    B6.8       60.2
48    -  0.*                    B6.9       42.7

49    -  0.*                    B7.1       72.0
50    -  0.*                    B7.2       89.3
51    -  0.*                    B7.3      281.7
52    -  0.*                    B7.4      118.4
53    -  0.*                    B7.5      156.1
54    -  0.*                    B7.6      192.9
55    -  0.*                    B7.7      239.9

56    -  0.*                    B8.1      271.9
57    -  0.*                    B8.2      106.3
58    -  0.*                    B8.3      182.8
59    -  0.*                    B8.4      208.5
60    -  0.*                    B8.5      183.8
61    -  0.*                    B8.6      149.5
62    -  0.*                    B8.7      200.5

63    - 49.*                    B10.1      92.6
64    - 49.*                    B10.2      50.9
65    - 49.*                    B10.3     122.1

66    -  0.*                    B11.1     609.0
--------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
---------------------------------
 1  R1.1     67.   500.   61.8
 2  R1.2     67.   500.   65.2
 3  R1.3     67.   500.   70.4
 4  R1.4     67.   500.   68.1
 5  R1.5     67.   500.   64.2
 6  R1.6     67.   500.   65.6
 7  R1.7     67.   500.   64.1
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 0. 0. 0. 0. 0. 6. 6. 6. 6. 6. 8.10. 8. 0. 0. 0. 3. 6. 6. 6. 0. 0. 0.16.16.
16.16.16.16.16.16.16. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.49.49.49. 0.
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02 + 03 - Carmel Mountain Rd to Carmel Valley Rd ,No Build
T-L72 - SB Connector Flyover - Outer ST 512 to 525,1
3344,65,85,65,121,65
T-L82 - SB Connector Flyover - Inner ST 512 to 525,2
3344,65,85,65,121,65
T-L12 - SB General - (6+1HOV),3
4905,65,132,65,366,65
T-L12 - SB General (5+1HOV),4
4087,65,110,65,306,65
T-L12 - SB General (4+1HOV),5
3270,65,88,65,244,65
T-L52 - SB (6+1HOV),6
6771,65,132,65,0,65
T-L52 - SB (5+1HOV),7
5893,65,110,65,0,65
T-L52 - SB (4+1HOV),8
5014,65,88,65,0,65,
T-L51 - NB HOV - Outer 1 Lane ST 512 to 519 (1HOV),9,
1500,65,0,65,0,65,
T-L51 - NB HOV - 1 Lane ST 519 to 525 (1HOV),10,
1500,65,0,65,0,65,
T-L11 - NB General - Inner ST 512 to 525 (6 lanes),11,
5271,65,132,65,0,65,
T-L1 - NB General - Outer ST 512 to 525 (6 lanes),12,
4905,65,132,65,366,65,
T-L22 - SB Carmel Mnt Road On Ramp,13,
950,45,24,45,26,45,
T-L81 - NB Connector Flyover - Inner ST 512 to 525,14,
3194,65,82,65,116,65,
T-L71 - NB Connector Flyover - Outer ST 512 to 525,15,
3194,65,82,65,116,65,
T-L21 - NB Carmel Mnt Road Off Ramp,16,
950,45,24,45,26,45,
T-L23 - NB Carmel Mnt Road On Ramp,17,
950,45,24,45,26,45,
T-L24 - SB Carmel Mnt Road Off Ramp,18,
950,45,24,45,26,45,
T-L74 - SB Connector Flyover - Outer ST 525 to 535,19,
3344,65,85,65,121,65,
T-L84 - SB Connector Flyover - Inner ST 525 to 535,20,
3344,65,85,65,121,65,
T-L14 - SB General - (4+1HOV),21,
3270,65,88,65,244,65,
T-L54 - SB (4+1HOV),22,
5014,65,88,65,0,65,
T-L53 - NB HOV ST 525 to 535 (1 HOV),23,
1500,65,0,65,0,65,
T-L13 - NB General - (5 lanes),24,
5271,65,132,65,0,65,
T-L3 - NB General - (5 lanes),25,
4905,65,132,65,366,65,
T-L83 - NB Connector Flyover Inner - ST 525 to 535,26,
3194,65,82,65,116,65,
T-L73 - NB Connector Flyover Outer - ST 525 to 535,27,
3194,65,82,65,116,65,
L72 - SB Connector Flyover - Outer ST 512 to 525,1,

N,908422,583018,28.7,L72.1
N,908377,583109,28.3,L72.2
N,908332,583197,28.3,L72.3
N,908294,583273,28.5,L72.4
N,908252,583342,28.9,L72.5
N,908206,583405,29.4,L72.6
N,908157,583463,29.8,L72.7
N,908100,583515,30.8,L72.8
N,908043,583566,31.8,L72.9
N,907982,583620,33.1,L72.10
N,907924,583673,34.2,L72.11
N,907854,583744,34.2,L72.12
N,907784,583822,33.7,L72.13
N,907730,583890,32.5,L72.14
N,907671,583973,30,L72.15
L82 - SB Connector Flyover - Inner ST 512 to 525,2,
N,908428,583022,28.7,L82.1
N,908382,583112,28.3,L82.2
N,908337,583201,28.3,L82.3
N,908298,583277,28.5,L82.4
N,908258,583347,28.9,L82.5
N,908213,583410,29.4,L82.6
N,908162,583469,29.8,L82.7
N,908104,583521,30.8,L82.8
N,908048,583571,31.8,L82.9
N,907987,583626,33.1,L82.10
N,907929,583678,34.2,L82.11
N,907859,583749,34.2,L82.12
N,907789,583826,33.7,L82.13
N,907736,583894,32.5,L82.14
N,907678,583976,30,L82.15
L12 - SB General - (6+1HOV),3,
N,908452,583033,29.2,L12.1
N,908406,583123,28.7,L12.2
N,908360,583213,29,L12.3
N,908322,583289,29.4,L12.4
N,908279,583359,30,L12.5
L12 - SB General - (5+1HOV),4,
N,908279,583359,30,L12.5
N,908230,583423,30.5,L12.6
N,908177,583481,31,L12.7
N,908116,583537,31.5,L12.8
N,908060,583585,32.3,L12.9
N,907999,583641,33.1,L12.10
N,907942,583695,33.5,L12.11
L12 - SB General - (4+1HOV),5,
N,907942,583695,33.5,L12.11
N,907873,583762,33.6,L12.12
N,907804,583837,33.2,L12.13
N,907750,583903,32.2,L12.14
N,907693,583986,29.7,L12.15
L52 - SB (6+1HOV),6,
N,908459,583036,29.2,L52.1
N,908412,583126,28.9,L52.2
N,908367,583216,29.3,L52.3
N,908328,583292,29.6,L52.4

N,908283,583364,30.3,L52.5
L52 - SB (5+1HOV),7,
N,908283,583364,30.3,L52.5
N,908236,583428,30.8,L52.6
N,908182,583486,31.2,L52.7
N,908122,583543,31.7,L52.8
N,908065,583591,32.3,L52.9
N,908002,583647,33.1,L52.10
N,907948,583701,33.5,L52.11
L52 - SB (4+1HOV),8,
N,907948,583701,33.5,L52.11
N,907879,583768,33.6,L52.12
N,907811,583843,33.3,L52.13
N,907758,583908,32,L52.14
N,907700,583989,29.5,L52.15
L51 - NB HOV - Outer 1 Lane ST 512 to 519,9,
N,908482,583048,29.2,L51.1
N,908437,583138,28.9,L51.2
N,908391,583229,29.2,L51.3
N,908352,583304,30.3,L51.4
N,908304,583380,30.8,L51.5
N,908256,583444,31.4,L51.6
N,908198,583505,31.7,L51.7
N,908136,583558,32.1,L51.8
N,908076,583604,32.5,L51.9
L51 - NB HOV - 2 Lanes ST 519 to 525,10,
N,908076,583604,32.5,L51.9
N,908012,583658,33.2,L51.10
N,907955,583709,33.5,L51.11
N,907885,583774,33.6,L51.12
N,907819,583848,33.3,L51.13
N,907765,583914,32,L51.14
N,907708,583996,29.5,L51.15
L11 - NB General - Inner ST 512 to 525,11,
N,908487,583051,29.2,L11.1
N,908443,583142,28.7,L11.2
N,908397,583232,29.1,L11.3
N,908358,583307,30.7,L11.4
N,908310,583384,31.3,L11.5
N,908262,583449,31.7,L11.6
N,908203,583510,32.1,L11.7
N,908140,583563,32.2,L11.8
N,908080,583611,32.4,L11.9
N,908017,583665,33.9,L11.10
N,907959,583714,33.3,L11.11
N,907891,583780,33.3,L11.12
N,907825,583853,33,L11.13
N,907772,583918,31.7,L11.14
N,907715,584001,29.3,L11.15
L1 - NB General - Outer ST 512 to 525 ,12,
N,908494,583055,29.2,L1.1
N,908450,583145,28.7,L1.2
N,908404,583235,29.1,L1.3
N,908365,583311,30.7,L1.4
N,908317,583389,31.3,L1.5
N,908267,583454,31.7,L1.6

N,908210,583514,32.1,L1.7
N,908145,583570,32.2,L1.8
N,908085,583618,32.4,L1.9
N,908022,583672,33.9,L1.10
N,907968,583720,33.3,L1.11
N,907899,583785,33.3,L1.12
N,907832,583858,33,L1.13
N,907779,583925,31.7,L1.14
N,907721,584005,29.3,L1.15
L22 - SB Carmel Mnt Road On Ramp,13,
N,908294,583273,28.5,L22.1
N,908251,583330,28.5,L22.2
N,908205,583396,28.7,L22.3
N,908164,583439,29.2,L22.4
N,908119,583479,29.5,L22.5
N,908063,583525,29.5,L22.6
N,907996,583581,27,L22.7
N,907940,583624,23,L22.8
N,907879,583671,18,L22.9
L81 - NB Connector Flyover - Inner ST 512 to 525,14,
N,908515,583066,28.8,L81.1
N,908469,583155,28.5,L81.2
N,908422,583246,29.5,L81.3
N,908383,583322,31.6,L81.4
N,908333,583399,32.4,L81.5
N,908282,583464,32.8,L81.6
N,908225,583526,33.2,L81.7
N,908158,583585,33.2,L81.8
N,908097,583635,32.7,L81.9
N,908035,583687,33.2,L81.10
N,907973,583737,33.2,L81.11
N,907910,583795,33.3,L81.12
N,907844,583868,32.3,L81.13
N,907792,583932,31.3,L81.14
N,907735,584011,29.9,L81.15
L71 - NB Connector Flyover - Outer ST 512 to 525,15,
N,908521,583069,28.8,L71.1
N,908475,583159,28.5,L71.2
N,908429,583249,29.5,L71.3
N,908389,583324,31.6,L71.4
N,908339,583403,32.4,L71.5
N,908288,583469,32.8,L71.6
N,908229,583531,33.2,L71.7
N,908160,583592,33.2,L71.8
N,908101,583641,32.7,L71.9
N,908039,583692,33.2,L71.10
N,907978,583743,33.2,L71.11
N,907915,583800,33.3,L71.12
N,907849,583872,32.3,L71.13
N,907798,583936,31.3,L71.14
N,907741,584015,29.9,L71.15
L21 - NB Carmel Mnt Road Off Ramp,16,
N,908229,583531,33.2,L21.1
N,908194,583572,33.2,L21.2
N,908135,583630,32.5,L21.3
N,908076,583696,30.5,L21.4

N,908037,583743,29,L21.5
N,908006,583784,28.5,L21.6
L23 - NB Carmel Mnt Road On Ramp,17,
N,907971,583823,29.3,L23.1
N,907922,583858,29.5,L23.2
N,907873,583897,29.5,L23.3
N,907822,583941,29.3,L23.4
N,907766,584001,29,L23.5
N,907714,584072,27,L23.6
N,907673,584141,25,L23.7
N,907638,584203,23,L23.8
N,907605,584270,21.5,L23.9
L24 - SB Carmel Mnt Road Off Ramp,18,
N,907831,583718,17.7,L24.1
N,907800,583758,18,L24.2
N,907759,583811,22,L24.3
N,907717,583868,26,L24.4
N,907686,583912,28,L24.5
N,907654,583960,29,L24.6
N,907628,584008,29,L24.7
N,907592,584086,27,L24.8
N,907564,584151,25,L24.9
N,907530,584239,22.5,L24.10
L74 - SB Connector Flyover - Outer ST 525 to 535,19,
N,907671,583973,30,L74.1
N,907618,584059,27.6,L74.2
N,907572,584147,25,L74.3
N,907530,584239,22.5,L74.4
N,907500,584318,20.4,L74.5
N,907467,584425,18.3,L74.6
N,907440,584513,16,L74.7
N,907411,584611,14.3,L74.8
N,907384,584704,13.5,L74.9
N,907356,584799,13.5,L74.10
N,907327,584896,13.5,L74.11
L84 - SB Connector Flyover - Inner ST 525 to 535,20,
N,907678,583976,30,L84.1
N,907624,584063,27.6,L84.2
N,907578,584150,25,L84.3
N,907537,584242,22.5,L84.4
N,907506,584319,20.4,L84.5
N,907473,584427,18.3,L84.6
N,907447,584516,16,L84.7
N,907418,584613,14.3,L84.8
N,907391,584707,13.5,L84.9
N,907363,584802,13.5,L84.10
N,907335,584898,13.5,L84.11
L14 - SB General - Inner ST 525 to 535,21,
N,907693,583986,29.7,L14.1
N,907641,584072,27.3,L14.2
N,907594,584159,24.7,L14.3
N,907554,584248,22.2,L14.4
N,907523,584325,20.2,L14.5
N,907490,584432,18.2,L14.6
N,907465,584522,16.5,L14.7
N,907440,584618,14.7,L14.8

N,907414,584712,13,L14.9
N,907387,584813,11.3,L14.10
N,907362,584910,9.4,L14.11
L54 - SB HOV 525 to 535,22,
N,907700,583989,29.5,L54.1
N,907648,584076,27,L54.2
N,907601,584163,24.5,L54.3
N,907561,584251,22,L54.4
N,907532,584327,20,L54.5
N,907499,584434,18,L54.6
N,907473,584524,16.5,L54.7
N,907448,584621,14.7,L54.8
N,907422,584715,13,L54.9
N,907396,584814,11.3,L54.10
N,907371,584912,9.3,L54.11
L53 - NB HOV ST 525 to 535,23,
N,907708,583996,29.5,L53.1
N,907657,584079,27,L53.2
N,907610,584167,24.5,L53.3
N,907571,584255,22,L53.4
N,907541,584329,20,L53.5
N,907508,584436,18,L53.6
N,907483,584525,16.5,L53.7
N,907457,584623,14.7,L53.8
N,907432,584715,13.2,L53.9
N,907406,584816,11.3,L53.10
N,907381,584912,9.5,L53.11
L13 - NB General - Inner ST 525 to 535,24,
N,907715,584001,29.3,L13.1
N,907664,584082,26.7,L13.2
N,907618,584170,24.3,L13.3
N,907578,584257,21.7,L13.4
N,907550,584331,20,L13.5
N,907517,584438,17.7,L13.6
N,907492,584527,16.3,L13.7
N,907466,584625,14.7,L13.8
N,907441,584718,13,L13.9
N,907414,584817,11.2,L13.10
N,907389,584914,9.3,L13.11
L3 - NB General - Outer ST 525 to 535,25,
N,907721,584005,29.3,L3.1
N,907672,584086,26.7,L3.2
N,907626,584173,24.3,L3.3
N,907586,584261,21.7,L3.4
N,907558,584333,20,L3.5
N,907524,584440,17.7,L3.6
N,907499,584530,16.3,L3.7
N,907474,584628,14.7,L3.8
N,907448,584720,13,L3.9
N,907422,584819,11.2,L3.10
N,907397,584917,9.3,L3.11
L83 - NB Connector Flyover Inner - ST 525 to 535,26,
N,907735,584011,29,L83.1
N,907685,584093,26.5,L83.2
N,907638,584180,24,L83.3
N,907598,584267,21.5,L83.4

N,907570,584338,19.6,L83.5
N,907536,584445,17.5,L83.6
N,907512,584532,16,L83.7
N,907486,584631,14.3,L83.8
N,907462,584723,12.5,L83.9
N,907435,584821,10.7,L83.10
N,907409,584918,9,L83.11
L73 - NB Connector Flyover Outer - ST 525 to 535,27,
N,907741,584015,29,L73.1
N,907691,584095,26.5,L73.2
N,907645,584183,24,L73.3
N,907605,584270,21.5,L73.4
N,907577,584340,19.6,L73.5
N,907544,584447,17.5,L73.6
N,907521,584535,16,L73.7
N,907493,584633,14.3,L73.8
N,907469,584725,12.5,L73.9
N,907441,584823,10.7,L73.10
N,907415,584919,9,L73.11
B50 - Center Divider ST 512 to 520,1,2,0,0
908469,583043,29.2,30.2,B50.1
908425,583132,28.9,29.9,B50.2
908379,583223,29.3,30.3,B50.3
908340,583298,30.3,31.3,B50.4
908293,583372,30.8,31.8,B50.5
908246,583435,31.4,32.4,B50.6
908192,583494,31.7,32.7,B50.7
908130,583553,32.1,33.1,B50.8
908073,583601,32.5,33.5,B50.9
908009,583654,33.2,34.2,B50.10
B1 - Nat Barrier NB Side,2,2,0,0
908423,583356,46.5,46.5,B1.1
908383,583429,50,50,B1.2
908371,583465,52.5,52.5,B1.3
908342,583500,54,54,B1.4
908331,583513,56,56,B1.5
B1 - Prop Wall 6' at ROW,3,2,0,0
908331,583513,56,57.8,B1.5
908312,583538,56.3,58.1,B1.6
908290,583552,56.5,58.3,B1.7
908260,583590,56.5,58.3,B1.8
908248,583597,56.5,58.3,B1.9
908231,583621,56.1,57.9,B1.10
B2 - Prop Wall 6' at ROW,4,2,0,0
908231,583621,56.1,57.9,B2.1
908205,583641,54.8,56.6,B2.2
908179,583674,54.6,56.4,B2.3
908141,583717,54.5,56.3,B2.4
908110,583752,53.9,55.7,B2.5
908097,583771,53.5,55.3,B2.6
908081,583786,53.5,55.3,B2.7
908084,583801,53.5,55.3,B2.8
908106,583823,53.5,55.3,B2.9
908128,583846,53.5,55.3,B2.10
B3 - Prop Wall 6' at ROW,5,2,0,0
908166,584004,56.2,58,B3.1

908106,584004,57.2,59,B3.2
908098,584009,59.3,61.1,B3.3
908066,584003,59.2,61,B3.4
908000,584001,60.3,62.1,B3.5
907951,583999,60.7,62.5,B3.6
907910,583996,60.8,62.6,B3.7
907873,583996,60.7,62.5,B3.8
907864,584024,60.5,62.3,B3.9
907844,584035,60.2,62,B3.10
B3 - Nat Barrier in front of prop wall,6,2,0,0
907873,583996,60.7,60.7,B3.8
907844,584035,60.2,60.2,B3.10
B7 - Nat Barrier NB side,7,2,0,0
907998,583887,52,52,B7.1
907983,583897,54,54,B7.2
907935,583929,54,54,B7.3
907921,583938,52,52,B7.4
907907,583950,54,54,B7.5
907873,583996,60.7,60.7,B7.6
B4 - Prop Wall 6' at ROW,8,2,0,0
907844,584035,60.2,62,B4.1
907824,584070,60,61.8,B4.2
907834,584085,60,61.8,B4.3
907876,584119,60.7,62.5,B4.4
907856,584134,60.5,62.3,B4.5
907835,584141,60.6,62.4,B4.6
907810,584157,61,62.8,B4.7
907787,584163,61.3,63.1,B4.8
907757,584162,61.5,63.3,B4.9
907735,584194,60.5,62.3,B4.10
B5 - Prop Wall 6' at ROW,9,2,0,0
907735,584194,60.5,62.3,B5.1
907740,584209,61.5,63.3,B5.2
907750,584226,63.5,65.3,B5.3
907756,584267,64.3,66.1,B5.4
907753,584294,65,66.8,B5.5
907745,584321,65.5,67.3,B5.6
907753,584346,65.8,67.6,B5.7
907750,584371,65.5,67.3,B5.8
907754,584385,64.5,66.3,B5.9
907744,584396,64,65.8,B5.10
B6 - Prop Wall 6' at ROW,10,2,0,0
907744,584396,64,65.8,B6.1
907727,584382,64.7,66.5,B6.2
907710,584387,64.7,66.5,B6.3
907703,584411,64.8,66.6,B6.4
907710,584436,64.9,66.7,B6.5
907716,584461,65.2,67,B6.6
907741,584443,65.2,67,B6.7
B51 - Center Divider ST 520 to 528,11,2,0,0
908009,583654,33.2,34.2,B51.1
907951,583705,33.5,34.5,B51.2
907882,583771,33.6,34.6,B51.3
907815,583846,33.3,34.3,B51.4
907761,583911,32,33,B51.5
907705,583992,29.5,30.5,B51.6

907652,584076,27,28,B51.7
907606,584164,24.5,25.5,B51.8
907566,584252,22,23,B51.9
907537,584328,20,21,B51.10
B52 - Center Divider ST 528 to 535,12,2,0,0
907537,584328,20,21,B52.1
907504,584435,18,19,B52.2
907479,584525,16.5,17.5,B52.3
907453,584622,14.7,15.7,B52.4
907428,584715,13.2,14.2,B52.5
907401,584815,11.3,12.3,B52.6
907375,584912,9.5,10.5,B52.7
B10 - Bldg near R2.3,13,2,0,0
908152,583723,54,64,B10.1
908113,583757,54,64,B10.2
B11 - Bldg near R2.4,14,2,0,0
908106,583775,53.5,63.5,B11.1
908089,583795,53.5,63.5,B11.2
908091,583804,53.5,63.5,B11.3
R,1,67,4
908310,583545,57.8,R2.1
R,2,67,4
908228,583633,57.2,R2.2
R,3,67,4
908152,583712,56,R2.3
R,4,67,4
908088,583789,55,R2.4
R,5,67,4
908112,583823,55,R2.5
R,6,67,4
908110,584009,58.3,R3.1
R,7,67,4
908032,584005,61.4,R3.1A
R,8,67,4
908007,584005,61.8,R3.2
R,9,67,4
907937,584003,62.3,R3.3
R,10,67,4
907873,584010,62,R3.4
R,11,67,4
907903,584055,62.4,R3.5
R,12,67,4
907828,584069,61.7,R3.6
R,13,67,4
907871,584108,61.8,R3.7
R,14,67,4
907842,584144,62.1,R3.8
R,15,67,4
907776,584165,63,R3.9
R,16,67,4
907741,584197,63,R3.10
R,18,67,4
907759,584244,65.3,R3.10A
R,19,67,4
907759,584294,66.1,R3.11
R,20,67,4

907756,584368,67,R3.12
R,21,67,4
907714,584391,66.2,R3.13
R,22,67,4
907718,584448,66.5,R3.14
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
02 + 03 - CARMEL MOUNTAIN RD TO CARMEL VALLEY RD ,NO BUILD

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	3.*							B50.1	325.7	
2	-	3.*							B50.2	334.6	
3	-	3.*							B50.3	277.3	
4	-	3.*							B50.4	287.6	
5	-	3.*							B50.5	257.9	
6	-	3.*							B50.6	262.5	
7	-	3.*							B50.7	280.8	
8	-	3.*							B50.8	244.4	
9	-	3.*							B50.9	272.6	
10	-	0.*							B1.1	273.3	
11	-	0.*							B1.2	124.8	
12	-	0.*							B1.3	149.2	
13	-	0.*							B1.4	56.2	
14	-	6.*							B1.5	103.1	
15	-	6.*							B1.6	85.5	
16	-	6.*							B1.7	158.9	
17	-	6.*							B1.8	45.5	
18	-	6.*							B1.9	96.6	
19	-	6.*							B2.1	107.7	
20	-	6.*							B2.2	137.8	
21	-	6.*							B2.3	188.3	
22	-	6.*							B2.4	153.5	
23	-	6.*							B2.5	75.5	
24	-	6.*							B2.6	72.0	
25	-	6.*							B2.7	50.2	
26	-	6.*							B2.8	102.1	
27	-	6.*							B2.9	104.4	
28	-	6.*							B3.1	196.8	
29	-	6.*							B3.2	31.8	
30	-	6.*							B3.3	106.7	
31	-	6.*							B3.4	216.7	
32	-	6.*							B3.5	160.8	
33	-	6.*							B3.6	135.0	
34	-	6.*							B3.7	121.3	
35	-	6.*							B3.8	96.5	
36	-	6.*							B3.9	74.9	
37	-	0.*							B3.8	159.4	

38	-	0.*	B7.1	59.5
39	-	0.*	B7.2	189.3
40	-	0.*	B7.3	55.0
41	-	0.*	B7.4	60.9
42	-	0.*	B7.5	188.9
43	-	6.*	B4.1	132.3
44	-	6.*	B4.2	59.1
45	-	6.*	B4.3	177.3
46	-	6.*	B4.4	82.0
47	-	6.*	B4.5	72.6
48	-	6.*	B4.6	97.4
49	-	6.*	B4.7	78.0
50	-	6.*	B4.8	98.5
51	-	6.*	B4.9	127.5
52	-	6.*	B5.1	52.0
53	-	6.*	B5.2	65.1
54	-	6.*	B5.3	136.0
55	-	6.*	B5.4	89.2
56	-	6.*	B5.5	92.3
57	-	6.*	B5.6	86.2
58	-	6.*	B5.7	82.6
59	-	6.*	B5.8	47.8
60	-	6.*	B5.9	48.8
61	-	6.*	B6.1	72.2
62	-	6.*	B6.2	58.2
63	-	6.*	B6.3	82.0
64	-	6.*	B6.4	85.2
65	-	6.*	B6.5	84.4
66	-	6.*	B6.6	101.1
67	-	3.*	B51.1	253.5
68	-	3.*	B51.2	313.3
69	-	3.*	B51.3	329.9
70	-	3.*	B51.4	277.3
71	-	3.*	B51.5	323.2
72	-	3.*	B51.6	325.9
73	-	3.*	B51.7	326.0
74	-	3.*	B51.8	317.3
75	-	3.*	B51.9	266.9
76	-	3.*	B52.1	367.5
77	-	3.*	B52.2	306.4
78	-	3.*	B52.3	329.6
79	-	3.*	B52.4	316.0
80	-	3.*	B52.5	339.9
81	-	3.*	B52.6	329.5
82	-	33.*	B10.1	169.7
83	-	33.*	B11.1	86.1
84	-	33.*	B11.2	30.3

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REC	REC ID	DNL	PEOPLE	LEQ(CAL)
1	REC 1	67.	500.	69.3
2	REC 2	67.	500.	69.3
3	REC 3	67.	500.	70.0
4	REC 4	67.	500.	69.8
5	REC 5	67.	500.	65.7
6	REC 6	67.	500.	61.4
7	R3.1A	67.	500.	64.8
8	R3.2	67.	500.	65.7
9	R3.3	67.	500.	67.2
10	R3.4	67.	500.	68.2
11	R3.5	67.	500.	62.8
12	R3.6	67.	500.	70.2
13	R3.7	67.	500.	63.3
14	R3.8	67.	500.	65.4
15	R3.9	67.	500.	68.4
16	R3.10	67.	500.	71.1
17	R3.10A	67.	500.	66.0
18	R3.11	67.	500.	64.7
19	R3.12	67.	500.	64.2
20	R3.13	67.	500.	66.5
21	R3.14	67.	500.	64.9

BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION

1 1 1

02 + 03 - Carmel Mountain Rd to Carmel Valley Rd ,Build,Bld,Ft
T-L72 - SB Connector Flyover - Outer ST 512 to 525,1
3391,65,87,65,123,65
T-L82 - SB Connector Flyover - Inner ST 512 to 525,2
3391,65,87,65,123,65
T-L2 - SB General - Outer ST 512 to 517,3
4905,65,132,65,366,65
T-L2 - SB General - Outer ST 517 to 525,4
4087,65,110,65,306,65
T-L12 - SB General - Inner ST 512 to 517,5
5271,65,132,65,0,65
T-L12 - SB General - Inner ST 517 to 525,6
4393,65,110,65,0,65
T-L52 - SB HOV - Outer 1 Lane 512 to 521,7
1500,65,0,65,0,65
T-L52 - SB HOV - 2 Lanes 521 to 525,8
3000,65,0,65,0,65
T-L62 - SB HOV - Inner 1 Lane 512 to 521,9
1500,65,0,65,0,65
T-L61 - NB HOV - Inner 1 Lane ST 512 to 519,10
1500,65,0,65,0,65
T-L51 - NB HOV - Outer 1 Lane ST 512 to 519,11
1500,65,0,65,0,65
T-L51 - NB HOV - 2 Lanes ST 519 to 525,12
3000,65,0,65,0,65
T-L11 - NB General - Inner ST 512 to 525,13
5271,65,132,65,0,65
T-L1 - NB General - Outer ST 512 to 525 ,14
4905,65,132,65,366,65
T-L22 - SB Carmel Mnt Road On Ramp,15
950,45,24,45,26,45
T-L81 - NB Connector Flyover - Inner ST 512 to 525,16
3391,65,87,65,123,65
T-L71 - NB Connector Flyover - Outer ST 512 to 525,17
3391,65,87,65,123,65
T-L21 - NB Carmel Mnt Road Off Ramp,18
950,45,24,45,26,45
T-L23 - NB Carmel Mnt Road On Ramp,19
950,45,24,45,26,45
T-L24 - SB Carmel Mnt Road Off Ramp,20
950,45,24,45,26,45
T-L74 - SB Connector Flyover - Outer ST 525 to 535,21
3391,65,87,65,123,65
T-L84 - SB Connector Flyover - Inner ST 525 to 535,22
3391,65,87,65,123,65
T-L4 - SB General - Outer ST 525 to 535,23
4087,65,110,65,306,65
T-L14 - SB General - Inner ST 525 to 535,24
4393,65,110,65,0,65
T-L54 - SB HOV 525 to 535 2 Lanes,25
3000,65,0,65,0,65
T-L53 - NB HOV ST 525 to 535 2 Lanes,26
3000,65,0,65,0,65
T-L13 - NB General - Inner ST 525 to 535,27
4393,65,110,65,0,65
T-L3 - NB General - Outer ST 525 to 535,28

4087,65,110,65,306,65
T-L83 - NB Connector Flyover Inner - ST 525 to 535,29
3391,65,87,65,123,65
T-L73 - NB Connector Flyover Outer - ST 525 to 535,30
3391,65,87,65,123,65
L72 - SB Connector Flyover - Outer ST 512 to 525,1
N,908422,583018,28.7,L72.1,
N,908377,583109,28.3,L72.2,
N,908332,583197,28.3,L72.3
N,908294,583273,28.5,L72.4
N,908252,583342,28.9,L72.5
N,908206,583405,29.4,L72.6
N,908157,583463,29.8,L72.7
N,908100,583515,30.8,L72.8
N,908043,583566,31.8,L72.9
N,907982,583620,33.1,L72.10
N,907924,583673,34.2,L72.11
N,907854,583744,34.2,L72.12
N,907784,583822,33.7,L72.13
N,907730,583890,32.5,L72.14
N,907671,583973,30,L72.15
L82 - SB Connector Flyover - Inner ST 512 to 525,2,
N,908428,583022,28.7,L82.1
N,908382,583112,28.3,L82.2
N,908337,583201,28.3,L82.3
N,908298,583277,28.5,L82.4
N,908258,583347,28.9,L82.5
N,908213,583410,29.4,L82.6
N,908162,583469,29.8,L82.7
N,908104,583521,30.8,L82.8
N,908048,583571,31.8,L82.9
N,907987,583626,33.1,L82.10
N,907929,583678,34.2,L82.11
N,907859,583749,34.2,L82.12
N,907789,583826,33.7,L82.13
N,907736,583894,32.5,L82.14
N,907678,583976,30,L82.15
L2 - SB General - Outer ST 512 to 517,3,
N,908445,583030,29.2,L2.1
N,908399,583120,28.7,L2.2
N,908353,583209,29,L2.3
N,908315,583285,29.4,L2.4
N,908271,583354,30,L2.5
N,908224,583419,30.5,L2.6
L2 - SB General - Outer ST 517 to 525,4,
N,908224,583419,30.5,L2.6
N,908173,583476,31,L2.7
N,908113,583532,31.5,L2.8
N,908056,583580,32.3,L2.9
N,907994,583634,33.1,L2.10
N,907938,583689,33.5,L2.11
N,907868,583756,33.6,L2.12
N,907798,583834,33.2,L2.13
N,907745,583900,32.2,L2.14
N,907686,583982,29.7,L2.15
L12 - SB General - Inner ST 512 to 517,5,

N,908452,583033,29.2,L12.1
N,908406,583123,28.7,L12.2
N,908360,583213,29,L12.3
N,908322,583289,29.4,L12.4
N,908279,583359,30,L12.5
N,908230,583423,30.5,L12.6
L12 - SB General - Inner ST 517 to 525,6,
N,908230,583423,30.5,L12.6
N,908177,583481,31,L12.7
N,908116,583537,31.5,L12.8
N,908060,583585,32.3,L12.9
N,907999,583641,33.1,L12.10
N,907942,583695,33.5,L12.11
N,907873,583762,33.6,L12.12
N,907804,583837,33.2,L12.13
N,907750,583903,32.2,L12.14
N,907693,583986,29.7,L12.15
L52 - SB HOV - Outer 1 Lane 512 to 521,7,
N,908459,583036,29.2,L52.1
N,908412,583126,28.9,L52.2
N,908367,583216,29.3,L52.3
N,908328,583292,29.6,L52.4
N,908283,583364,30.3,L52.5
N,908236,583428,30.8,L52.6
N,908182,583486,31.2,L52.7
N,908122,583543,31.7,L52.8
N,908065,583591,32.3,L52.9
N,908002,583647,33.1,L52.10
N,907948,583701,33.5,L52.11
L52 - SB HOV - 2 Lanes 521 to 525,8,
N,907948,583701,33.5,L52.11
N,907879,583768,33.6,L52.12
N,907811,583843,33.3,L52.13
N,907758,583908,32,L52.14
N,907700,583989,29.5,L52.15
L62 - SB HOV - Inner 1 Lane 512 to 521,9,
N,908466,583040,29.2,L62.1
N,908421,583130,28.9,L62.2
N,908375,583221,29.3,L62.3
N,908336,583296,29.6,L62.4
N,908291,583370,30.3,L62.5
N,908243,583433,30.8,L62.6
N,908188,583493,31.2,L62.7
N,908126,583551,31.7,L62.8
N,908071,583599,32.3,L62.9
N,908006,583652,33.1,L62.10
N,907948,583701,33.5,L62.11
L61 - NB HOV - Inner 1 Lane ST 512 to 519,10,
N,908473,583044,29.2,L61.1
N,908427,583134,28.9,L61.2
N,908382,583224,29.2,L61.3
N,908343,583300,30.3,L61.4
N,908296,583375,30.8,L61.5
N,908249,583439,31.4,L61.6
N,908194,583500,31.7,L61.7
N,908134,583554,32.1,L61.8

N,908076,583604,32.5,L61.9
L51 - NB HOV - Outer 1 Lane ST 512 to 519,11,
N,908482,583048,29.2,L51.1
N,908437,583138,28.9,L51.2
N,908391,583229,29.2,L51.3
N,908352,583304,30.3,L51.4
N,908304,583380,30.8,L51.5
N,908256,583444,31.4,L51.6
N,908198,583505,31.7,L51.7
N,908136,583558,32.1,L51.8
N,908076,583604,32.5,L51.9
L51 - NB HOV - 2 Lanes ST 519 to 525,12,
N,908076,583604,32.5,L51.9
N,908012,583658,33.2,L51.10
N,907955,583709,33.5,L51.11
N,907885,583774,33.6,L51.12
N,907819,583848,33.3,L51.13
N,907765,583914,32,L51.14
N,907708,583996,29.5,L51.15
L11 - NB General - Inner ST 512 to 525,13,
N,908487,583051,29.2,L11.1
N,908443,583142,28.7,L11.2
N,908397,583232,29.1,L11.3
N,908358,583307,30.7,L11.4
N,908310,583384,31.3,L11.5
N,908262,583449,31.7,L11.6
N,908203,583510,32.1,L11.7
N,908140,583563,32.2,L11.8
N,908080,583611,32.4,L11.9
N,908017,583665,33.9,L11.10
N,907959,583714,33.3,L11.11
N,907891,583780,33.3,L11.12
N,907825,583853,33,L11.13
N,907772,583918,31.7,L11.14
N,907715,584001,29.3,L11.15
L1 - NB General - Outer ST 512 to 525 ,14,
N,908494,583055,29.2,L1.1
N,908450,583145,28.7,L1.2
N,908404,583235,29.1,L1.3
N,908365,583311,30.7,L1.4
N,908317,583389,31.3,L1.5
N,908267,583454,31.7,L1.6
N,908210,583514,32.1,L1.7
N,908145,583570,32.2,L1.8
N,908085,583618,32.4,L1.9
N,908022,583672,33.9,L1.10
N,907968,583720,33.3,L1.11
N,907899,583785,33.3,L1.12
N,907832,583858,33,L1.13
N,907779,583925,31.7,L1.14
N,907721,584005,29.3,L1.15
L22 - SB Carmel Mnt Road On Ramp,15,
N,908294,583273,28.5,L22.1
N,908251,583330,28.5,L22.2
N,908205,583396,28.7,L22.3
N,908164,583439,29.2,L22.4

N,908119,583479,29.5,L22.5
N,908063,583525,29.5,L22.6
N,907996,583581,27,L22.7
N,907940,583624,23,L22.8
N,907879,583671,18,L22.9
L81 - NB Connector Flyover - Inner ST 512 to 525,16,
N,908515,583066,28.8,L81.1
N,908469,583155,28.5,L81.2
N,908422,583246,29.5,L81.3
N,908383,583322,31.6,L81.4
N,908333,583399,32.4,L81.5
N,908282,583464,32.8,L81.6
N,908225,583526,33.2,L81.7
N,908158,583585,33.2,L81.8
N,908097,583635,32.7,L81.9
N,908035,583687,33.2,L81.10
N,907973,583737,33.2,L81.11
N,907910,583795,33.3,L81.12
N,907844,583868,32.3,L81.13
N,907792,583932,31.3,L81.14
N,907735,584011,29.9,L81.15
L71 - NB Connector Flyover - Outer ST 512 to 525,17,
N,908521,583069,28.8,L71.1
N,908475,583159,28.5,L71.2
N,908429,583249,29.5,L71.3
N,908389,583324,31.6,L71.4
N,908339,583403,32.4,L71.5
N,908288,583469,32.8,L71.6
N,908229,583531,33.2,L71.7
N,908160,583592,33.2,L71.8
N,908101,583641,32.7,L71.9
N,908039,583692,33.2,L71.10
N,907978,583743,33.2,L71.11
N,907915,583800,33.3,L71.12
N,907849,583872,32.3,L71.13
N,907798,583936,31.3,L71.14
N,907741,584015,29.9,L71.15
L21 - NB Carmel Mnt Road Off Ramp,18,
N,908229,583531,33.2,L21.1
N,908194,583572,33.2,L21.2
N,908135,583630,32.5,L21.3
N,908076,583696,30.5,L21.4
N,908037,583743,29,L21.5
N,908006,583784,28.5,L21.6
L23 - NB Carmel Mnt Road On Ramp,19,
N,907971,583823,29.3,L23.1
N,907922,583858,29.5,L23.2
N,907873,583897,29.5,L23.3
N,907822,583941,29.3,L23.4
N,907766,584001,29,L23.5
N,907714,584072,27,L23.6
N,907673,584141,25,L23.7
N,907638,584203,23,L23.8
N,907605,584270,21.5,L23.9
L24 - SB Carmel Mnt Road Off Ramp,20,
N,907831,583718,17.7,L24.1

N,907800,583758,18,L24.2
N,907759,583811,22,L24.3
N,907717,583868,26,L24.4
N,907686,583912,28,L24.5
N,907654,583960,29,L24.6
N,907628,584008,29,L24.7
N,907592,584086,27,L24.8
N,907564,584151,25,L24.9
N,907530,584239,22.5,L24.10
L74 - SB Connector Flyover - Outer ST 525 to 535,21,
N,907671,583973,30,L74.1
N,907618,584059,27.6,L74.2
N,907572,584147,25,L74.3
N,907530,584239,22.5,L74.4
N,907500,584318,20.4,L74.5
N,907467,584425,18.3,L74.6
N,907440,584513,16,L74.7
N,907411,584611,14.3,L74.8
N,907384,584704,13.5,L74.9
N,907356,584799,13.5,L74.10
N,907327,584896,13.5,L74.11
L84 - SB Connector Flyover - Inner ST 525 to 535,22,
N,907678,583976,30,L84.1
N,907624,584063,27.6,L84.2
N,907578,584150,25,L84.3
N,907537,584242,22.5,L84.4
N,907506,584319,20.4,L84.5
N,907473,584427,18.3,L84.6
N,907447,584516,16,L84.7
N,907418,584613,14.3,L84.8
N,907391,584707,13.5,L84.9
N,907363,584802,13.5,L84.10
N,907335,584898,13.5,L84.11
L4 - SB General - Outer ST 525 to 535,23,
N,907686,583982,29.7,L4.1
N,907634,584068,27.3,L4.2
N,907588,584156,24.7,L4.3
N,907548,584246,22.2,L4.4
N,907518,584322,20.2,L4.5
N,907484,584430,18.2,L4.6
N,907459,584520,16.5,L4.7
N,907432,584617,14.7,L4.8
N,907406,584710,13,L4.9
N,907379,584811,11.3,L4.10
N,907354,584907,9.4,L4.11
L14 - SB General - Inner ST 525 to 535,24,
N,907693,583986,29.7,L14.1
N,907641,584072,27.3,L14.2
N,907594,584159,24.7,L14.3
N,907554,584248,22.2,L14.4
N,907523,584325,20.2,L14.5
N,907490,584432,18.2,L14.6
N,907465,584522,16.5,L14.7
N,907440,584618,14.7,L14.8
N,907414,584712,13,L14.9
N,907387,584813,11.3,L14.10

N,907362,584910,9.4,L14.11
L54 - SB HOV 525 to 535,25,
N,907700,583989,29.5,L54.1
N,907648,584076,27,L54.2
N,907601,584163,24.5,L54.3
N,907561,584251,22,L54.4
N,907532,584327,20,L54.5
N,907499,584434,18,L54.6
N,907473,584524,16.5,L54.7
N,907448,584621,14.7,L54.8
N,907422,584715,13,L54.9
N,907396,584814,11.3,L54.10
N,907371,584912,9.3,L54.11
L53 - NB HOV ST 525 to 535,26,
N,907708,583996,29.5,L53.1
N,907657,584079,27,L53.2
N,907610,584167,24.5,L53.3
N,907571,584255,22,L53.4
N,907541,584329,20,L53.5
N,907508,584436,18,L53.6
N,907483,584525,16.5,L53.7
N,907457,584623,14.7,L53.8
N,907432,584715,13.2,L53.9
N,907406,584816,11.3,L53.10
N,907381,584912,9.5,L53.11
L13 - NB General - Inner ST 525 to 535,27,
N,907715,584001,29.3,L13.1
N,907664,584082,26.7,L13.2
N,907618,584170,24.3,L13.3
N,907578,584257,21.7,L13.4
N,907550,584331,20,L13.5
N,907517,584438,17.7,L13.6
N,907492,584527,16.3,L13.7
N,907466,584625,14.7,L13.8
N,907441,584718,13,L13.9
N,907414,584817,11.2,L13.10
N,907389,584914,9.3,L13.11
L3 - NB General - Outer ST 525 to 535,28,
N,907721,584005,29.3,L3.1
N,907672,584086,26.7,L3.2
N,907626,584173,24.3,L3.3
N,907586,584261,21.7,L3.4
N,907558,584333,20,L3.5
N,907524,584440,17.7,L3.6
N,907499,584530,16.3,L3.7
N,907474,584628,14.7,L3.8
N,907448,584720,13,L3.9
N,907422,584819,11.2,L3.10
N,907397,584917,9.3,L3.11
L83 - NB Connector Flyover Inner - ST 525 to 535,29,
N,907735,584011,29,L83.1
N,907685,584093,26.5,L83.2
N,907638,584180,24,L83.3
N,907598,584267,21.5,L83.4
N,907570,584338,19.6,L83.5
N,907536,584445,17.5,L83.6

N,907512,584532,16,L83.7
N,907486,584631,14.3,L83.8
N,907462,584723,12.5,L83.9
N,907435,584821,10.7,L83.10
N,907409,584918,9,L83.11
L73 - NB Connector Flyover Outer - ST 525 to 535,30,
N,907741,584015,29,L73.1
N,907691,584095,26.5,L73.2
N,907645,584183,24,L73.3,
N,907605,584270,21.5,L73.4,
N,907577,584340,19.6,L73.5,
N,907544,584447,17.5,L73.6,
N,907521,584535,16,L73.7,
N,907493,584633,14.3,L73.8,
N,907469,584725,12.5,L73.9,
N,907441,584823,10.7,L73.10,
N,907415,584919,9,L73.11,
B50 - Center Divider ST 512 to 520,1,2,0,0,
908469,583043,29.2,30.2,B50.1,
908425,583132,28.9,29.9,B50.2,
908379,583223,29.3,30.3,B50.3,
908340,583298,30.3,31.3,B50.4,
908293,583372,30.8,31.8,B50.5,
908246,583435,31.4,32.4,B50.6,
908192,583494,31.7,32.7,B50.7,
908130,583553,32.1,33.1,B50.8,
908073,583601,32.5,33.5,B50.9,
908009,583654,33.2,34.2,B50.10,
B1 - Nat Barrier NB Side,2,2,0,0,
908423,583356,46.5,46.5,B1.1,
908383,583429,50,50,B1.2,
908371,583465,52.5,52.5,B1.3,
908342,583500,54,54,B1.4,
908331,583513,56,56,B1.5,
B1 - Prop Wall 6' at ROW,3,2,0,0,
908331,583513,56,57.8,B1.5,
908312,583538,56.3,58.1,B1.6,
908290,583552,56.5,58.3,B1.7,
908260,583590,56.5,58.3,B1.8,
908248,583597,56.5,58.3,B1.9,
908231,583621,56.1,57.9,B1.10,
B2 - Prop Wall 6' at ROW,4,2,0,0,
908231,583621,56.1,57.9,B2.1,
908205,583641,54.8,56.6,B2.2,
908179,583674,54.6,56.4,B2.3,
908141,583717,54.5,56.3,B2.4,
908110,583752,53.9,55.7,B2.5,
908097,583771,53.5,55.3,B2.6,
908081,583786,53.5,55.3,B2.7,
908084,583801,53.5,55.3,B2.8,
908106,583823,53.5,55.3,B2.9,
908128,583846,53.5,55.3,B2.10,
B3 - Prop Wall 6' at ROW,5,2,0,0,
908166,584004,56.2,58,B3.1,
908106,584004,57.2,59,B3.2,
908098,584009,59.3,61.1,B3.3,

908066,584003,59.2,61,B3.4,
908000,584001,60.3,62.1,B3.5,
907951,583999,60.7,62.5,B3.6,
907910,583996,60.8,62.6,B3.7,
907873,583996,60.7,62.5,B3.8,
907864,584024,60.5,62.3,B3.9,
907844,584035,60.2,62,B3.10,
B3 - Nat Barrier in front of prop wall,6,2,0,0,
907873,583996,60.7,60.7,B3.8,
907844,584035,60.2,60.2,B3.10,
B7 - Nat Barrier NB side,7,2,0,0,
907998,583887,52,52,B7.1,
907983,583897,54,54,B7.2,
907935,583929,54,54,B7.3,
907921,583938,52,52,B7.4,
907907,583950,54,54,B7.5,
907873,583996,60.7,60.7,B7.6,
B4 - Prop Wall 6' at ROW,8,2,0,0,
907844,584035,60.2,62,B4.1,
907824,584070,60,61.8,B4.2,
907834,584085,60,61.8,B4.3,
907876,584119,60.7,62.5,B4.4,
907856,584134,60.5,62.3,B4.5,
907835,584141,60.6,62.4,B4.6,
907810,584157,61,62.8,B4.7,
907787,584163,61.3,63.1,B4.8,
907757,584162,61.5,63.3,B4.9,
907735,584194,60.5,62.3,B4.10,
B5 - Prop Wall 6' at ROW,9,2,0,0,
907735,584194,60.5,62.3,B5.1,
907740,584209,61.5,63.3,B5.2,
907750,584226,63.5,65.3,B5.3,
907756,584267,64.3,66.1,B5.4,
907753,584294,65,66.8,B5.5,
907745,584321,65.5,67.3,B5.6,
907753,584346,65.8,67.6,B5.7,
907750,584371,65.5,67.3,B5.8,
907754,584385,64.5,66.3,B5.9,
907744,584396,64,65.8,B5.10,
B6 - Prop Wall 6' at ROW,10,2,0,0,
907744,584396,64,65.8,B6.1,
907727,584382,64.7,66.5,B6.2,
907710,584387,64.7,66.5,B6.3,
907703,584411,64.8,66.6,B6.4,
907710,584436,64.9,66.7,B6.5,
907716,584461,65.2,67,B6.6,
907741,584443,65.2,67,B6.7,
B51 - Center Divider ST 520 to 528,11,2,0,0,
908009,583654,33.2,34.2,B51.1,
907951,583705,33.5,34.5,B51.2,
907882,583771,33.6,34.6,B51.3,
907815,583846,33.3,34.3,B51.4,
907761,583911,32,33,B51.5,
907705,583992,29.5,30.5,B51.6,
907652,584076,27,28,B51.7,
907606,584164,24.5,25.5,B51.8,

907566,584252,22,23,B51.9,
907537,584328,20,21,B51.10,
B52 - Center Divider ST 528 to 535,12,2,0,0,
907537,584328,20,21,B52.1,
907504,584435,18,19,B52.2,
907479,584525,16.5,17.5,B52.3,
907453,584622,14.7,15.7,B52.4,
907428,584715,13.2,14.2,B52.5,
907401,584815,11.3,12.3,B52.6,
907375,584912,9.5,10.5,B52.7,
B10 - Bldg near R2.3,13,2,0,0,
908152,583723,54,64,B10.1,
908113,583757,54,64,B10.2,
B11 - Bldg near R2.4,14,2,0,0,
908106,583775,53.5,63.5,B11.1,
908089,583795,53.5,63.5,B11.2,
908091,583804,53.5,63.5,B11.3,
908118,583812,53.5,63.5,B11.4,
R,1,67,4
908310,583545,57.8,R2.1
R,2,67,4
908228,583633,57.2,R2.2
R,3,67,4
908152,583712,56,R2.3
R,4,67,4
908088,583789,55,R2.4
R,5,67,4
908112,583823,55,R2.5
R,6,67,4
908110,584009,58.3,R3.1
R,7,67,4
908032,584005,61.4,R3.1A
R,8,67,4
908007,584005,61.8,R3.2
R,9,67,4
907937,584003,62.3,R3.3
R,10,67,4
907873,584010,62,R3.4
R,11,67,4
907903,584055,62.4,R3.5
R,12,67,4
907828,584069,61.7,R3.6
R,13,67,4
907871,584108,61.8,R3.7
R,14,67,4
907842,584144,62.1,R3.8
R,15,67,4
907776,584165,63,R3.9
R,16,67,4
907741,584197,63,R3.10
R,18,67,4
907759,584244,65.3,R3.10A
R,19,67,4
907759,584294,66.1,R3.11
R,20,67,4
907756,584368,67,R3.12

R,21,67,4
907714,584391,66.2,R3.13
R,22,67,4
907718,584448,66.5,R3.14
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
02 + 03 - CARMEL MOUNTAIN RD TO CARMEL VALLEY RD ,BUILD,BLD,FT

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	-	3.*							B50.1	325.7	
2	-	3.*							B50.2	334.6	
3	-	3.*							B50.3	277.3	
4	-	3.*							B50.4	287.6	
5	-	3.*							B50.5	257.9	
6	-	3.*							B50.6	262.5	
7	-	3.*							B50.7	280.8	
8	-	3.*							B50.8	244.4	
9	-	3.*							B50.9	272.6	
10	-	0.*							B1.1	273.3	
11	-	0.*							B1.2	124.8	
12	-	0.*							B1.3	149.2	
13	-	0.*							B1.4	56.2	
14	-	6.*							B1.5	103.1	
15	-	6.*							B1.6	85.5	
16	-	6.*							B1.7	158.9	
17	-	6.*							B1.8	45.5	
18	-	6.*							B1.9	96.6	
19	-	6.*							B2.1	107.7	
20	-	6.*							B2.2	137.8	
21	-	6.*							B2.3	188.3	
22	-	6.*							B2.4	153.5	
23	-	6.*							B2.5	75.5	
24	-	6.*							B2.6	72.0	
25	-	6.*							B2.7	50.2	
26	-	6.*							B2.8	102.1	
27	-	6.*							B2.9	104.4	
28	-	6.*							B3.1	196.8	
29	-	6.*							B3.2	31.8	
30	-	6.*							B3.3	106.7	
31	-	6.*							B3.4	216.7	
32	-	6.*							B3.5	160.8	
33	-	6.*							B3.6	135.0	
34	-	6.*							B3.7	121.3	
35	-	6.*							B3.8	96.5	
36	-	6.*							B3.9	74.9	
37	-	0.*							B3.8	159.4	

38	-	0.*	B7.1	59.5
39	-	0.*	B7.2	189.3
40	-	0.*	B7.3	55.0
41	-	0.*	B7.4	60.9
42	-	0.*	B7.5	188.9
43	-	6.*	B4.1	132.3
44	-	6.*	B4.2	59.1
45	-	6.*	B4.3	177.3
46	-	6.*	B4.4	82.0
47	-	6.*	B4.5	72.6
48	-	6.*	B4.6	97.4
49	-	6.*	B4.7	78.0
50	-	6.*	B4.8	98.5
51	-	6.*	B4.9	127.5
52	-	6.*	B5.1	52.0
53	-	6.*	B5.2	65.1
54	-	6.*	B5.3	136.0
55	-	6.*	B5.4	89.2
56	-	6.*	B5.5	92.3
57	-	6.*	B5.6	86.2
58	-	6.*	B5.7	82.6
59	-	6.*	B5.8	47.8
60	-	6.*	B5.9	48.8
61	-	6.*	B6.1	72.2
62	-	6.*	B6.2	58.2
63	-	6.*	B6.3	82.0
64	-	6.*	B6.4	85.2
65	-	6.*	B6.5	84.4
66	-	6.*	B6.6	101.1
67	-	3.*	B51.1	253.5
68	-	3.*	B51.2	313.3
69	-	3.*	B51.3	329.9
70	-	3.*	B51.4	277.3
71	-	3.*	B51.5	323.2
72	-	3.*	B51.6	325.9
73	-	3.*	B51.7	326.0
74	-	3.*	B51.8	317.3
75	-	3.*	B51.9	266.9
76	-	3.*	B52.1	367.5
77	-	3.*	B52.2	306.4
78	-	3.*	B52.3	329.6
79	-	3.*	B52.4	316.0
80	-	3.*	B52.5	339.9
81	-	3.*	B52.6	329.5
82	-	33.*	B10.1	169.7
83	-	33.*	B11.1	86.1
84	-	33.*	B11.2	30.3
85	-	33.*	B11.3	92.4

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      0   1   2   3   4   5   6   7
1
 REC REC ID    DNL  PEOPLE   LEQ(CAL)
 ---------------------------------
  1  R2.1      67.    500.   69.6
  2  R2.2      67.    500.   69.6
  3  R2.3      67.    500.   70.3
  4  R2.4      67.    500.   70.2
  5  R2.5      67.    500.   65.9
  6  R3.1      67.    500.   61.8
  7  R3.1A     67.    500.   65.3
  8  R3.2      67.    500.   66.1
  9  R3.3      67.    500.   67.7
 10  R3.4      67.    500.   68.6
 11  R3.5      67.    500.   63.2
 12  R3.6      67.    500.   70.6
 13  R3.7      67.    500.   63.7
 14  R3.8      67.    500.   65.8
 15  R3.9      67.    500.   68.8
 16  R3.10     67.    500.   71.5
 17  R3.10A    67.    500.   66.4
 18  R3.11     67.    500.   65.0
 19  R3.12     67.    500.   64.6
 20  R3.13     67.    500.   66.9
 21  R3.14     67.    500.   65.3
 BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
   1  1  1  1  1  1  1  1  1  1
 CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
  3. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.
  6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 0. 0. 0. 0. 0. 0. 6. 6. 6. 6. 6. 6. 6.
  6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 3. 3. 3. 3. 3. 3. 3. 3.
  3. 3. 3. 3. 3. 3.33.33.33.33.
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02 + 03 - Carmel Mountain Rd to Carmel Valley Rd Build,DGN,Ft,
T-L72 - SB Connector Flyover - Outer ST 512 to 525,1
3391,65,87,65,123,65
T-L82 - SB Connector Flyover - Inner ST 512 to 525,2
3391,65,87,65,123,65
T-L2 - SB General - Outer ST 512 to 517,3
4905,65,132,65,366,65
T-L2 - SB General - Outer ST 517 to 525,4
4087,65,110,65,306,65
T-L12 - SB General - Inner ST 512 to 517,5
5271,65,132,65,0,65
T-L12 - SB General - Inner ST 517 to 525,6
4393,65,110,65,0,65
T-L52 - SB HOV - Outer 1 Lane 512 to 521,7
1500,65,0,65,0,65
T-L52 - SB HOV - 2 Lanes 521 to 525,8
3000,65,0,65,0,65
T-L62 - SB HOV - Inner 1 Lane 512 to 521,9
1500,65,0,65,0,65
T-L61 - NB HOV - Inner 1 Lane ST 512 to 519,10
1500,65,0,65,0,65
T-L51 - NB HOV - Outer 1 Lane ST 512 to 519,11
1500,65,0,65,0,65
T-L51 - NB HOV - 2 Lanes ST 519 to 525,12
3000,65,0,65,0,65
T-L11 - NB General - Inner ST 512 to 525,13
5271,65,132,65,0,65
T-L1 - NB General - Outer ST 512 to 525 ,14
4905,65,132,65,366,65
T-L22 - SB Carmel Mnt Road On Ramp,15
950,45,24,45,26,45
T-L81 - NB Connector Flyover - Inner ST 512 to 525,16
3391,65,87,65,123,65
T-L71 - NB Connector Flyover - Outer ST 512 to 525,17
3391,65,87,65,123,65
T-L21 - NB Carmel Mnt Road Off Ramp,18
950,45,24,45,26,45
T-L23 - NB Carmel Mnt Road On Ramp,19
950,45,24,45,26,45
T-L24 - SB Carmel Mnt Road Off Ramp,20
950,45,24,45,26,45
T-L74 - SB Connector Flyover - Outer ST 525 to 535,21
3391,65,87,65,123,65
T-L84 - SB Connector Flyover - Inner ST 525 to 535,22
3391,65,87,65,123,65
T-L4 - SB General - Outer ST 525 to 535,23
4087,65,110,65,306,65
T-L14 - SB General - Inner ST 525 to 535,24
4393,65,110,65,0,65
T-L54 - SB HOV 525 to 535 2 Lanes,25
3000,65,0,65,0,65
T-L53 - NB HOV ST 525 to 535 2 Lanes,26
3000,65,0,65,0,65
T-L13 - NB General - Inner ST 525 to 535,27
4393,65,110,65,0,65
T-L3 - NB General - Outer ST 525 to 535,28

4087,65,110,65,306,65
T-L83 - NB Connector Flyover Inner - ST 525 to 535,29
3391,65,87,65,123,65
T-L73 - NB Connector Flyover Outer - ST 525 to 535,30
3391,65,87,65,123,65
L72 - SB Connector Flyover - Outer ST 512 to 525,1
N,908422,583018,28.7,L72.1,
N,908377,583109,28.3,L72.2,
N,908332,583197,28.3,L72.3
N,908294,583273,28.5,L72.4
N,908252,583342,28.9,L72.5
N,908206,583405,29.4,L72.6
N,908157,583463,29.8,L72.7
N,908100,583515,30.8,L72.8
N,908043,583566,31.8,L72.9
N,907982,583620,33.1,L72.10
N,907924,583673,34.2,L72.11
N,907854,583744,34.2,L72.12
N,907784,583822,33.7,L72.13
N,907730,583890,32.5,L72.14
N,907671,583973,30,L72.15
L82 - SB Connector Flyover - Inner ST 512 to 525,2,
N,908428,583022,28.7,L82.1
N,908382,583112,28.3,L82.2
N,908337,583201,28.3,L82.3
N,908298,583277,28.5,L82.4
N,908258,583347,28.9,L82.5
N,908213,583410,29.4,L82.6
N,908162,583469,29.8,L82.7
N,908104,583521,30.8,L82.8
N,908048,583571,31.8,L82.9
N,907987,583626,33.1,L82.10
N,907929,583678,34.2,L82.11
N,907859,583749,34.2,L82.12
N,907789,583826,33.7,L82.13
N,907736,583894,32.5,L82.14
N,907678,583976,30,L82.15
L2 - SB General - Outer ST 512 to 517,3,
N,908445,583030,29.2,L2.1
N,908399,583120,28.7,L2.2
N,908353,583209,29,L2.3
N,908315,583285,29.4,L2.4
N,908271,583354,30,L2.5
N,908224,583419,30.5,L2.6
L2 - SB General - Outer ST 517 to 525,4,
N,908224,583419,30.5,L2.6
N,908173,583476,31,L2.7
N,908113,583532,31.5,L2.8
N,908056,583580,32.3,L2.9
N,907994,583634,33.1,L2.10
N,907938,583689,33.5,L2.11
N,907868,583756,33.6,L2.12
N,907798,583834,33.2,L2.13
N,907745,583900,32.2,L2.14
N,907686,583982,29.7,L2.15
L12 - SB General - Inner ST 512 to 517,5,

N,908452,583033,29.2,L12.1
N,908406,583123,28.7,L12.2
N,908360,583213,29,L12.3
N,908322,583289,29.4,L12.4
N,908279,583359,30,L12.5
N,908230,583423,30.5,L12.6
L12 - SB General - Inner ST 517 to 525,6,
N,908230,583423,30.5,L12.6
N,908177,583481,31,L12.7
N,908116,583537,31.5,L12.8
N,908060,583585,32.3,L12.9
N,907999,583641,33.1,L12.10
N,907942,583695,33.5,L12.11
N,907873,583762,33.6,L12.12
N,907804,583837,33.2,L12.13
N,907750,583903,32.2,L12.14
N,907693,583986,29.7,L12.15
L52 - SB HOV - Outer 1 Lane 512 to 521,7,
N,908459,583036,29.2,L52.1
N,908412,583126,28.9,L52.2
N,908367,583216,29.3,L52.3
N,908328,583292,29.6,L52.4
N,908283,583364,30.3,L52.5
N,908236,583428,30.8,L52.6
N,908182,583486,31.2,L52.7
N,908122,583543,31.7,L52.8
N,908065,583591,32.3,L52.9
N,908002,583647,33.1,L52.10
N,907948,583701,33.5,L52.11
L52 - SB HOV - 2 Lanes 521 to 525,8,
N,907948,583701,33.5,L52.11
N,907879,583768,33.6,L52.12
N,907811,583843,33.3,L52.13
N,907758,583908,32,L52.14
N,907700,583989,29.5,L52.15
L62 - SB HOV - Inner 1 Lane 512 to 521,9,
N,908466,583040,29.2,L62.1
N,908421,583130,28.9,L62.2
N,908375,583221,29.3,L62.3
N,908336,583296,29.6,L62.4
N,908291,583370,30.3,L62.5
N,908243,583433,30.8,L62.6
N,908188,583493,31.2,L62.7
N,908126,583551,31.7,L62.8
N,908071,583599,32.3,L62.9
N,908006,583652,33.1,L62.10
N,907948,583701,33.5,L62.11
L61 - NB HOV - Inner 1 Lane ST 512 to 519,10,
N,908473,583044,29.2,L61.1
N,908427,583134,28.9,L61.2
N,908382,583224,29.2,L61.3
N,908343,583300,30.3,L61.4
N,908296,583375,30.8,L61.5
N,908249,583439,31.4,L61.6
N,908194,583500,31.7,L61.7
N,908134,583554,32.1,L61.8

N,908076,583604,32.5,L61.9
L51 - NB HOV - Outer 1 Lane ST 512 to 519,11,
N,908482,583048,29.2,L51.1
N,908437,583138,28.9,L51.2
N,908391,583229,29.2,L51.3
N,908352,583304,30.3,L51.4
N,908304,583380,30.8,L51.5
N,908256,583444,31.4,L51.6
N,908198,583505,31.7,L51.7
N,908136,583558,32.1,L51.8
N,908076,583604,32.5,L51.9
L51 - NB HOV - 2 Lanes ST 519 to 525,12,
N,908076,583604,32.5,L51.9
N,908012,583658,33.2,L51.10
N,907955,583709,33.5,L51.11
N,907885,583774,33.6,L51.12
N,907819,583848,33.3,L51.13
N,907765,583914,32,L51.14
N,907708,583996,29.5,L51.15
L11 - NB General - Inner ST 512 to 525,13,
N,908487,583051,29.2,L11.1
N,908443,583142,28.7,L11.2
N,908397,583232,29.1,L11.3
N,908358,583307,30.7,L11.4
N,908310,583384,31.3,L11.5
N,908262,583449,31.7,L11.6
N,908203,583510,32.1,L11.7
N,908140,583563,32.2,L11.8
N,908080,583611,32.4,L11.9
N,908017,583665,33.9,L11.10
N,907959,583714,33.3,L11.11
N,907891,583780,33.3,L11.12
N,907825,583853,33,L11.13
N,907772,583918,31.7,L11.14
N,907715,584001,29.3,L11.15
L1 - NB General - Outer ST 512 to 525 ,14,
N,908494,583055,29.2,L1.1
N,908450,583145,28.7,L1.2
N,908404,583235,29.1,L1.3
N,908365,583311,30.7,L1.4
N,908317,583389,31.3,L1.5
N,908267,583454,31.7,L1.6
N,908210,583514,32.1,L1.7
N,908145,583570,32.2,L1.8
N,908085,583618,32.4,L1.9
N,908022,583672,33.9,L1.10
N,907968,583720,33.3,L1.11
N,907899,583785,33.3,L1.12
N,907832,583858,33,L1.13
N,907779,583925,31.7,L1.14
N,907721,584005,29.3,L1.15
L22 - SB Carmel Mnt Road On Ramp,15,
N,908294,583273,28.5,L22.1
N,908251,583330,28.5,L22.2
N,908205,583396,28.7,L22.3
N,908164,583439,29.2,L22.4

N,908119,583479,29.5,L22.5
N,908063,583525,29.5,L22.6
N,907996,583581,27,L22.7
N,907940,583624,23,L22.8
N,907879,583671,18,L22.9
L81 - NB Connector Flyover - Inner ST 512 to 525,16,
N,908515,583066,28.8,L81.1
N,908469,583155,28.5,L81.2
N,908422,583246,29.5,L81.3
N,908383,583322,31.6,L81.4
N,908333,583399,32.4,L81.5
N,908282,583464,32.8,L81.6
N,908225,583526,33.2,L81.7
N,908158,583585,33.2,L81.8
N,908097,583635,32.7,L81.9
N,908035,583687,33.2,L81.10
N,907973,583737,33.2,L81.11
N,907910,583795,33.3,L81.12
N,907844,583868,32.3,L81.13
N,907792,583932,31.3,L81.14
N,907735,584011,29.9,L81.15
L71 - NB Connector Flyover - Outer ST 512 to 525,17,
N,908521,583069,28.8,L71.1
N,908475,583159,28.5,L71.2
N,908429,583249,29.5,L71.3
N,908389,583324,31.6,L71.4
N,908339,583403,32.4,L71.5
N,908288,583469,32.8,L71.6
N,908229,583531,33.2,L71.7
N,908160,583592,33.2,L71.8
N,908101,583641,32.7,L71.9
N,908039,583692,33.2,L71.10
N,907978,583743,33.2,L71.11
N,907915,583800,33.3,L71.12
N,907849,583872,32.3,L71.13
N,907798,583936,31.3,L71.14
N,907741,584015,29.9,L71.15
L21 - NB Carmel Mnt Road Off Ramp,18,
N,908229,583531,33.2,L21.1
N,908194,583572,33.2,L21.2
N,908135,583630,32.5,L21.3
N,908076,583696,30.5,L21.4
N,908037,583743,29,L21.5
N,908006,583784,28.5,L21.6
L23 - NB Carmel Mnt Road On Ramp,19,
N,907971,583823,29.3,L23.1
N,907922,583858,29.5,L23.2
N,907873,583897,29.5,L23.3
N,907822,583941,29.3,L23.4
N,907766,584001,29,L23.5
N,907714,584072,27,L23.6
N,907673,584141,25,L23.7
N,907638,584203,23,L23.8
N,907605,584270,21.5,L23.9
L24 - SB Carmel Mnt Road Off Ramp,20,
N,907831,583718,17.7,L24.1

N,907800,583758,18,L24.2
N,907759,583811,22,L24.3
N,907717,583868,26,L24.4
N,907686,583912,28,L24.5
N,907654,583960,29,L24.6
N,907628,584008,29,L24.7
N,907592,584086,27,L24.8
N,907564,584151,25,L24.9
N,907530,584239,22.5,L24.10
L74 - SB Connector Flyover - Outer ST 525 to 535,21,
N,907671,583973,30,L74.1
N,907618,584059,27.6,L74.2
N,907572,584147,25,L74.3
N,907530,584239,22.5,L74.4
N,907500,584318,20.4,L74.5
N,907467,584425,18.3,L74.6
N,907440,584513,16,L74.7
N,907411,584611,14.3,L74.8
N,907384,584704,13.5,L74.9
N,907356,584799,13.5,L74.10
N,907327,584896,13.5,L74.11
L84 - SB Connector Flyover - Inner ST 525 to 535,22,
N,907678,583976,30,L84.1
N,907624,584063,27.6,L84.2
N,907578,584150,25,L84.3
N,907537,584242,22.5,L84.4
N,907506,584319,20.4,L84.5
N,907473,584427,18.3,L84.6
N,907447,584516,16,L84.7
N,907418,584613,14.3,L84.8
N,907391,584707,13.5,L84.9
N,907363,584802,13.5,L84.10
N,907335,584898,13.5,L84.11
L4 - SB General - Outer ST 525 to 535,23,
N,907686,583982,29.7,L4.1
N,907634,584068,27.3,L4.2
N,907588,584156,24.7,L4.3
N,907548,584246,22.2,L4.4
N,907518,584322,20.2,L4.5
N,907484,584430,18.2,L4.6
N,907459,584520,16.5,L4.7
N,907432,584617,14.7,L4.8
N,907406,584710,13,L4.9
N,907379,584811,11.3,L4.10
N,907354,584907,9.4,L4.11
L14 - SB General - Inner ST 525 to 535,24,
N,907693,583986,29.7,L14.1
N,907641,584072,27.3,L14.2
N,907594,584159,24.7,L14.3
N,907554,584248,22.2,L14.4
N,907523,584325,20.2,L14.5
N,907490,584432,18.2,L14.6
N,907465,584522,16.5,L14.7
N,907440,584618,14.7,L14.8
N,907414,584712,13,L14.9
N,907387,584813,11.3,L14.10

N,907362,584910,9.4,L14.11
L54 - SB HOV 525 to 535,25,
N,907700,583989,29.5,L54.1
N,907648,584076,27,L54.2
N,907601,584163,24.5,L54.3
N,907561,584251,22,L54.4
N,907532,584327,20,L54.5
N,907499,584434,18,L54.6
N,907473,584524,16.5,L54.7
N,907448,584621,14.7,L54.8
N,907422,584715,13,L54.9
N,907396,584814,11.3,L54.10
N,907371,584912,9.3,L54.11
L53 - NB HOV ST 525 to 535,26,
N,907708,583996,29.5,L53.1
N,907657,584079,27,L53.2
N,907610,584167,24.5,L53.3
N,907571,584255,22,L53.4
N,907541,584329,20,L53.5
N,907508,584436,18,L53.6
N,907483,584525,16.5,L53.7
N,907457,584623,14.7,L53.8
N,907432,584715,13.2,L53.9
N,907406,584816,11.3,L53.10
N,907381,584912,9.5,L53.11
L13 - NB General - Inner ST 525 to 535,27,
N,907715,584001,29.3,L13.1
N,907664,584082,26.7,L13.2
N,907618,584170,24.3,L13.3
N,907578,584257,21.7,L13.4
N,907550,584331,20,L13.5
N,907517,584438,17.7,L13.6
N,907492,584527,16.3,L13.7
N,907466,584625,14.7,L13.8
N,907441,584718,13,L13.9
N,907414,584817,11.2,L13.10
N,907389,584914,9.3,L13.11
L3 - NB General - Outer ST 525 to 535,28,
N,907721,584005,29.3,L3.1
N,907672,584086,26.7,L3.2
N,907626,584173,24.3,L3.3
N,907586,584261,21.7,L3.4
N,907558,584333,20,L3.5
N,907524,584440,17.7,L3.6
N,907499,584530,16.3,L3.7
N,907474,584628,14.7,L3.8
N,907448,584720,13,L3.9
N,907422,584819,11.2,L3.10
N,907397,584917,9.3,L3.11
L83 - NB Connector Flyover Inner - ST 525 to 535,29,
N,907735,584011,29,L83.1
N,907685,584093,26.5,L83.2
N,907638,584180,24,L83.3
N,907598,584267,21.5,L83.4
N,907570,584338,19.6,L83.5
N,907536,584445,17.5,L83.6

N,907512,584532,16,L83.7
N,907486,584631,14.3,L83.8
N,907462,584723,12.5,L83.9
N,907435,584821,10.7,L83.10
N,907409,584918,9,L83.11
L73 - NB Connector Flyover Outer - ST 525 to 535,30,
N,907741,584015,29,L73.1
N,907691,584095,26.5,L73.2
N,907645,584183,24,L73.3,
N,907605,584270,21.5,L73.4,
N,907577,584340,19.6,L73.5,
N,907544,584447,17.5,L73.6,
N,907521,584535,16,L73.7,
N,907493,584633,14.3,L73.8,
N,907469,584725,12.5,L73.9,
N,907441,584823,10.7,L73.10,
N,907415,584919,9,L73.11,
B50 - Center Divider ST 512 to 520,1,2,0,0,
908469,583043,29.2,30.2,B50.1,
908425,583132,28.9,29.9,B50.2,
908379,583223,29.3,30.3,B50.3,
908340,583298,30.3,31.3,B50.4,
908293,583372,30.8,31.8,B50.5,
908246,583435,31.4,32.4,B50.6,
908192,583494,31.7,32.7,B50.7,
908130,583553,32.1,33.1,B50.8,
908073,583601,32.5,33.5,B50.9,
908009,583654,33.2,34.2,B50.10,
B1 - Nat Barrier NB Side,2,2,0,0,
908423,583356,46.5,46.5,B1.1,
908383,583429,50,50,B1.2,
908371,583465,52.5,52.5,B1.3,
908342,583500,54,54,B1.4,
908331,583513,56,56,B1.5,
B1 - Prop Wall 6' at ROW - Soundwall,3,2,0,0,
908331,583513,56,59.0,B1.5,
908312,583538,56.3,59.3,B1.6,
908290,583552,56.5,59.5,B1.7,
908290,583552,56.5,60.2,B1.7,
908260,583590,56.5,60.2,B1.8,
908248,583597,56.5,60.2,B1.9,
908231,583621,56.1,59.8,B1.10,
B2 - Prop Wall 6' at ROW - Soundwall,4,2,0,0,
908231,583621,56.1,59.8,B2.1,
908205,583641,54.8,58.5,B2.2,
908179,583674,54.6,58.3,B2.3,
908141,583717,54.5,58.2,B2.4,
908110,583752,53.9,57.6,B2.5,
908097,583771,53.5,57.2,B2.6,
908081,583786,53.5,57.2,B2.7,
908084,583801,53.5,57.2,B2.8,
908106,583823,53.5,57.2,B2.9,
908128,583846,53.5,57.2,B2.10,
B3 - Prop Wall 6' at ROW,5,2,0,0,
908166,584004,56.2,58,B3.1,
908106,584004,57.2,59,B3.2,

908098,584009,59.3,61.1,B3.3,
908066,584003,59.2,61,B3.4,
908033,584002,60,61.8,B3.4A,
B3 - Prop Wall 6' at ROW - Soundwall,6,2,0,0,
908033,584002,60,63.0,B3.4A,
908000,584001,60.3,63.3,B3.5,
907951,583999,60.7,63.7,B3.6,
907910,583996,60.8,63.8,B3.7,
907873,583996,60.7,63.7,B3.8,
907864,584024,60.5,63.5,B3.9,
907844,584035,60.2,63.2,B3.10,
B3 - Nat Barrier in front of prop wall,7,2,0,0,
907873,583996,60.7,60.7,B3.8,
907844,584035,60.2,60.2,B3.10,
B7 - Nat Barrier NB side,8,2,0,0,
907998,583887,52,52,B7.1,
907983,583897,54,54,B7.2,
907935,583929,54,54,B7.3,
907921,583938,52,52,B7.4,
907907,583950,54,54,B7.5,
907873,583996,60.7,60.7,B7.6,
B4 - Prop Wall 6' at ROW - Soundwall,9,2,0,0,
907844,584035,60.2,63.2,B4.1,
907824,584070,60,63.0,B4.2,
907834,584085,60,63.0,B4.3,
907876,584119,60.7,63.7,B4.4,
907876,584119,60.7,64.4,B4.4,
907856,584134,60.5,64.2,B4.5,
907835,584141,60.6,64.3,B4.6,
907810,584157,61,64.7,B4.7,
907787,584163,61.3,65.0,B4.8,
907787,584163,61.3,65.6,B4.8,
907757,584162,61.5,65.8,B4.9,
907735,584194,60.5,64.8,B4.10,
B5 - Prop Wall 6' at ROW - Soundwall,10,2,0,0,
907735,584194,60.5,64.8,B5.1,
907740,584209,61.5,65.8,B5.2,
907750,584226,63.5,67.8,B5.3,
907756,584267,64.3,68.6,B5.4,
B5 - Prop Wall 6' at ROW,11,2,0,0,
907756,584267,64.3,66.1,B5.4,
907753,584294,65,66.8,B5.5,
907745,584321,65.5,67.3,B5.6,
907753,584346,65.8,67.6,B5.7,
907750,584371,65.5,67.3,B5.8,
907754,584385,64.5,66.3,B5.9,
907754,584385,64.5,66.3,B5.9,
907744,584396,64,65.8,B5.10,
B6 - Prop Wall 6' at ROW - Soundwall,12,2,0,0,
907744,584396,64,67.0,B6.1,
907727,584382,64.7,67.7,B6.2,
907727,584382,64.7,67.7,B6.2,
907710,584387,64.7,67.7,B6.3,
907703,584411,64.8,67.8,B6.4,
907710,584436,64.9,67.9,B6.5,
907716,584461,65.2,68.2,B6.6,

907716,584461,65.2,67,B6.6,
907741,584443,65.2,67,B6.7,
B51 - Center Divider ST 520 to 528,13,2,0,0,
908009,583654,33.2,34.2,B51.1,
907951,583705,33.5,34.5,B51.2,
907882,583771,33.6,34.6,B51.3,
907815,583846,33.3,34.3,B51.4,
907761,583911,32,33,B51.5,
907705,583992,29.5,30.5,B51.6,
907652,584076,27,28,B51.7,
907606,584164,24.5,25.5,B51.8,
907566,584252,22,23,B51.9,
907537,584328,20,21,B51.10,
B52 - Center Divider ST 528 to 535,14,2,0,0,
907537,584328,20,21,B52.1,
907504,584435,18,19,B52.2,
907479,584525,16.5,17.5,B52.3,
907453,584622,14.7,15.7,B52.4,
907428,584715,13.2,14.2,B52.5,
907401,584815,11.3,12.3,B52.6,
907375,584912,9.5,10.5,B52.7,
B10 - Bldg near R2.3,15,2,0,0,
908152,583723,54,64,B10.1,
908113,583757,54,64,B10.2,
B11 - Bldg near R2.4,16,2,0,0,
908106,583775,53.5,63.5,B11.1,
908089,583795,53.5,63.5,B11.2,
908091,583804,53.5,63.5,B11.3,
R,1,67,4
908310,583545,57.8,R2.1
R,2,67,4
908228,583633,57.2,R2.2
R,3,67,4
908151,583712,56,R2.3
R,4,67,4
908087,583789,55,R2.4
R,5,67,4
908112,583823,55,R2.5
R,6,67,4
908110,584009,58.3,R3.1
R,7,67,4
908032,584005,61.4,R3.1A
R,8,67,4
908007,584005,61.8,R3.2
R,9,67,4
907937,584003,62.3,R3.3
R,10,67,4
907873,584010,62,R3.4
R,11,67,4
907903,584055,62.4,R3.5
R,12,67,4
907828,584069,61.7,R3.6
R,13,67,4
907871,584108,61.8,R3.7
R,14,67,4
907842,584144,62.1,R3.8

R,15,67,4
907776,584165,63,R3.9
R,16,67,4
907741,584197,63,R3.10
R,18,67,4
907759,584244,65.3,R3.10A
R,19,67,4
907759,584294,66.1,R3.11
R,20,67,4
907756,584368,67,R3.12
R,21,67,4
907714,584391,66.2,R3.13
R,22,67,4
907718,584448,66.5,R3.14
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
02 + 03 - CARMEL MOUNTAIN RD TO CARMEL VALLEY RD BUILD,DGN,FT,

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	-	3.*							B50.1	325.7	
2	-	3.*							B50.2	334.6	
3	-	3.*							B50.3	277.3	
4	-	3.*							B50.4	287.6	
5	-	3.*							B50.5	257.9	
6	-	3.*							B50.6	262.5	
7	-	3.*							B50.7	280.8	
8	-	3.*							B50.8	244.4	
9	-	3.*							B50.9	272.6	
10	-	0.*							B1.1	273.3	
11	-	0.*							B1.2	124.8	
12	-	0.*							B1.3	149.2	
13	-	0.*							B1.4	56.2	
14	-	10.*							B1.5	103.1	
15	-	10.*							B1.6	85.5	
16	-	11.*							B1.7	2.3	
17	-	12.*							B1.7	158.9	
18	-	12.*							B1.8	45.5	
19	-	12.*							B1.9	96.6	
20	-	12.*							B2.1	107.7	
21	-	12.*							B2.2	137.8	
22	-	12.*							B2.3	188.3	
23	-	12.*							B2.4	153.5	
24	-	12.*							B2.5	75.5	
25	-	12.*							B2.6	72.0	
26	-	12.*							B2.7	50.2	
27	-	12.*							B2.8	102.1	
28	-	12.*							B2.9	104.4	
29	-	6.*							B3.1	196.8	
30	-	6.*							B3.2	31.8	
31	-	6.*							B3.3	106.7	
32	-	6.*							B3.4	108.4	
33	-	10.*							B3.4A	108.4	
34	-	10.*							B3.5	160.8	
35	-	10.*							B3.6	135.0	
36	-	10.*							B3.7	121.3	
37	-	10.*							B3.8	96.5	
38	-	10.*							B3.9	74.9	

39	- 0.*	B3.8	159.4
40	- 0.*	B7.1	59.5
41	- 0.*	B7.2	189.3
42	- 0.*	B7.3	55.0
43	- 0.*	B7.4	60.9
44	- 0.*	B7.5	188.9
45	- 10.*	B4.1	132.3
46	- 10.*	B4.2	59.1
47	- 10.*	B4.3	177.3
48	- 11.*	B4.4	2.3
49	- 12.*	B4.4	82.0
50	- 12.*	B4.5	72.6
51	- 12.*	B4.6	97.4
52	- 12.*	B4.7	78.0
53	- 13.*	B4.8	1.9
54	- 14.*	B4.8	98.5
55	- 14.*	B4.9	127.5
56	- 14.*	B5.1	52.0
57	- 14.*	B5.2	65.1
58	- 14.*	B5.3	136.0
59	- 6.*	B5.4	89.2
60	- 6.*	B5.5	92.3
61	- 6.*	B5.6	86.2
62	- 6.*	B5.7	82.6
63	- 6.*	B5.8	47.8
64	- 6.*	B5.9	.0
65	- 6.*	B5.9	48.8
66	- 10.*	B6.1	72.2
67	- 10.*	B6.2	.0
68	- 10.*	B6.2	58.2
69	- 10.*	B6.3	82.0
70	- 10.*	B6.4	85.2
71	- 10.*	B6.5	84.4
72	- 8.*	B6.6	4.0
73	- 6.*	B6.6	101.1
74	- 3.*	B51.1	253.5
75	- 3.*	B51.2	313.3
76	- 3.*	B51.3	329.9
77	- 3.*	B51.4	277.3
78	- 3.*	B51.5	323.2
79	- 3.*	B51.6	325.9
80	- 3.*	B51.7	326.0
81	- 3.*	B51.8	317.3
82	- 3.*	B51.9	266.9
83	- 3.*	B52.1	367.5
84	- 3.*	B52.2	306.4
85	- 3.*	B52.3	329.6
86	- 3.*	B52.4	316.0

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87    -  3.*                        B52.5      339.9
88    -  3.*                        B52.6      329.5

89    - 33.*                         B10.1      169.7

90    - 33.*                         B11.1       86.1
91    - 33.*                         B11.2       30.3
-------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
-------------------------------
 1  R2.1      67.   500.   65.0
 2  R2.2      67.   500.   64.6
 3  R2.3      67.   500.   63.6
 4  R2.4      67.   500.   63.3
 5  R2.5      67.   500.   60.6
 6  R3.1      67.   500.   61.7
 7  R3.1A     67.   500.   60.0
 8  R3.2      67.   500.   61.3
 9  R3.3      67.   500.   62.9
10  R3.4      67.   500.   64.3
11  R3.5      67.   500.   61.7
12  R3.6      67.   500.   64.8
13  R3.7      67.   500.   61.3
14  R3.8      67.   500.   60.5
15  R3.9      67.   500.   59.9
16  R3.10     67.   500.   62.8
17  R3.10A    67.   500.   61.3
18  R3.11     67.   500.   64.7
19  R3.12     67.   500.   64.3
20  R3.13     67.   500.   62.2
21  R3.14     67.   500.   61.4
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 3. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0.10.10.11.12.12.12.12.12.12.12.12.
12.12.12. 6. 6. 6. 6.10.10.10.10.10.10. 0. 0. 0. 0. 0. 0.10.10.10.11.12.12.
12.12.13.14.14.14.14.14. 6. 6. 6. 6. 6. 6. 6.10.10.10.10.10.10. 8. 6. 3. 3.
 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.33.33.33.
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04 - Carmel Valley Road to Del Mar Heights SOUTH- No Build,0,Ft,
T-L74 - SB Connector Flyover Bypass - Outer ST 535 to 538,1
2543,65,65,65,92,65
T-L84 - SB Connector from SR-56 - Inner ST 535 to 538,2
1884,65,48,65,68,65
T-L54 - SB HOV ST 535 to 538,3
1500,65,0,65,0,65
T-L53 - NB HOV ST 535 to 538,4
1500,65,0,65,0,65
T-L13 - NB General - Inner ST 535 to 538 (4 lanes),5
3514,65,88,65,0,65
T-L3 - NB General - Outer ST 535 to 538 (4 lanes),6
3270,65,88,65,244,65
T-L83 - NB Connector Flyover Bypass- Inner ST 535 to 538,7
2251,65,57,65,81,65
T-L73 - NB Connector to SR-56 - Outer ST 535 to 538,8
1884,65,48,65,68,65
T-L75 - NB Connector to SR-56,9
1884,65,48,65,68,65
T-L86 - SB Connector from SR-56,10
1884,65,48,65,68,65
T-L86 - SB Connector from SR-56,11
1884,65,48,65,68,65
T-L25 - NB Carmel Valley Road Off-ramp,12
1900,45,48,45,52,45
T-L26 - SB Carmel Valley Road On-ramp,13
950,45,24,45,26,45
T-L26 - SB Carmel Valley Road On-ramp,14
950,45,24,45,26,45
T-L6 - SB General - Outer ST 538 to 550 (4 lanes),15
3270,65,88,65,244,65
T-L6 - SB General - Outer ST 538 to 550 (5 lanes),16
3209,65,88,65,305,65
T-L16 - SB General - Inner ST 538 to 550 (4 lanes),17
3514,65,88,65,0,65
T-L16 - SB General - Inner ST 538 to 550 (5 lanes),18
5271,65,132,65,0,65
T-L56 - SB HOV ST 538 to 550,19
1500,65,0,65,0,65
T-L55 - NB HOV ST 538 to 550,20
1500,65,0,65,0,65
T-L15 - NB General - Inner ST 538 to 550 (4 lanes),21
3514,65,88,65,0,65
T-L15 - NB General - Inner ST 538 to 550 (5 lanes),22
5271,65,132,65,0,65
T-L5 - NB General - Outer ST 538 to 550 (4 lanes),23
3270,65,88,65,244,65
T-L5 - NB General - Outer ST 538 to 550 (5 lanes),24
3209,65,88,65,305,65
T-L85 - NB Flyover Bypass over Carmel Valley Rd,25
2251,65,57,65,81,65
T-L27 - NB Carmel Valley Road On-ramp,26
143,45,4,45,4,45
T-L28 - SB Carmel Valley Rd Off-ramp,27
114,45,3,45,3,45
T-L28 - SB Aux Lane - Build only,28

0,65,0,65,0,65
T-L76 - SB Flyover Bypass over Carmel Valley Rd,29
2543,65,65,65,92,65
T-L29 - NB Aux Lane ST 546 to 555,30
1696,65,44,65,61,65
L74 - SB Connector Flyover - Outer ST 535 to 538,1
N,907327,584896,13.5,L74.11,
N,907301,584984,13.7,L74.12,
N,907280,585058,15,L74.13
N,907268,585133,17,L74.14
N,907265,585218,17.5,L74.15
L84 - SB Connector Flyover - Inner ST 535 to 538,2,
N,907335,584898,13.5,L84.11
N,907308,584988,13.7,L84.12
N,907290,585061,15,L84.13
N,907287,585122,17,L84.14
N,907293,585186,17.5,L84.15
L54 - SB HOV ST 535 to 538,3,
N,907371,584912,9.3,L54.11
N,907350,585003,8.1,L54.12
N,907334,585085,7.8,L54.13
N,907321,585159,8.5,L54.14
N,907307,585264,11.5,L54.15
L53 - NB HOV ST 535 to 538,4,
N,907381,584912,9.5,L53.11
N,907360,585002,8.1,L53.12
N,907344,585088,7.7,L53.13
N,907332,585162,8.5,L53.14
N,907318,585262,11.2,L53.15
L13 - NB General - Inner ST 535 to 538 (4 lanes),5,
N,907389,584914,9.3,L13.11
N,907369,585004,7.8,L13.12
N,907352,585090,7.5,L13.13
N,907340,585164,8.4,L13.14
N,907326,585264,11.2,L13.15
L3 - NB General - Outer ST 535 to 538 (4 lanes),6,
N,907397,584917,9.3,L3.11
N,907376,585006,7.8,L3.12
N,907360,585091,7.5,L3.13
N,907347,585165,8.4,L3.14
N,907334,585266,11.2,L3.15
L83 - NB Connector Flyover - Inner ST 535 to 538,7,
N,907409,584918,9,L83.11
N,907390,585003,7.5,L83.12
N,907385,585070,9.1,L83.13
N,907386,585131,10.5,L83.14
N,907388,585210,13.4,L83.15
L73 - NB Connector Flyover - Outer ST 535 to 538,8,
N,907415,584919,9,L73.11
N,907398,585004,7.5,L73.12
N,907396,585071,9.1,L73.13
N,907399,585131,10.1,L73.14
N,907408,585189,11.5,L73.15
L75 - NB Connector to Carmel Valley Road,9,
N,907408,585189,11.5,L75.1
N,907423,585248,14,L75.2

N,907445,585303,15.1,L75.3
N,907472,585357,16.8,L75.4
N,907506,585405,18.6,L75.5
L86 - SB Connector from Carmal Valley Road,10,
N,907339,585300,22.6,L86.1
N,907367,585341,23.5,L86.2
L86 - SB Connector from Carmal Valley Road,11,
N,907388,585362,23.9,L86.3
N,907430,585398,24.2,L86.4
N,907480,585433,23.5,L86.5
L25 - NB Carmel Valley Road Off-ramp,12,
N,907376,585006,7.8,L25.1
N,907364,585077,7.5,L25.2
N,907358,585149,7.8,L25.3
N,907353,585230,9.7,L25.4
N,907356,585269,9.4,L25.5
N,907373,585335,9,L25.6
L26 - SB Carmel Valley Road On-ramp,13,
N,907288,585200,7.7,L26.1
N,907270,585243,7.5,L26.2
L26 - SB Carmel Valley Road On-ramp,14,
N,907257,585271,7,L26.3
N,907239,585306,6.7,L26.4
L6 - SB General - Outer ST 538 to 550 (4 lanes),15,
N,907354,584907,9.4,L4.11
N,907333,585000,8.2,L4.12
N,907317,585082,8,L4.13
N,907307,585157,8.7,L4.14
N,907293,585257,11.5,L6.1
N,907286,585337,14,L6.2
N,907277,585441,17,L6.3
N,907272,585548,20,L6.4
N,907266,585647,23,L6.5
N,907259,585745,26,L6.6
L6 - SB General - Outer ST 538 to 550 (5 lanes),16,
N,907259,585745,26,L6.6
N,907255,585848,29,L6.7
N,907249,585945,32,L6.8
N,907243,586046,34.8,L6.9
N,907236,586140,37.7,L6.10
N,907222,586243,40.7,L6.11
N,907208,586342,43.8,L6.12
N,907194,586441,46.7,L6.13
N,907179,586537,49.7,L6.14
N,907164,586636,52.7,L6.15
L16 - SB General - Inner ST 538 to 550 (4 lanes),17,
N,907362,584910,9.4,L14.11
N,907342,585001,8.2,L14.12
N,907326,585085,8,L14.13
N,907315,585158,8.7,L14.14
N,907300,585260,11.5,L16.1
N,907291,585340,14,L16.2
N,907284,585442,17,L16.3
N,907278,585549,20,L16.4
N,907273,585648,23,L16.5
N,907268,585745,26,L16.6

L16 - SB General - Inner ST 538 to 550 (5 lanes),18,
N,907268,585745,26,L16.6
N,907263,585848,29,L16.7
N,907257,585946,32,L16.8
N,907251,586045,34.8,L16.9
N,907243,586141,37.7,L16.10
N,907231,586245,40.7,L16.11
N,907217,586344,43.8,L16.12
N,907202,586442,46.7,L16.13
N,907188,586537,49.7,L16.14
N,907173,586637,52.7,L16.15
L56 - SB HOV ST 538 to 550,19,
N,907307,585264,11.5,L56.1
N,907298,585346,14,L56.2
N,907292,585444,16.9,L56.3
N,907287,585549,20,L56.4
N,907281,585648,23,L56.5
N,907277,585746,26,L56.6
N,907271,585848,29,L56.7
N,907266,585946,32,L56.8
N,907261,586044,35,L56.9
N,907252,586142,38,L56.10
N,907239,586245,41,L56.11
N,907225,586345,44,L56.12
N,907211,586444,47,L56.13
N,907196,586539,50,L56.14
N,907181,586638,53,L56.15
L55 - NB HOV ST 538 to 550,20,
N,907318,585262,11.2,L55.1
N,907310,585348,14,L55.2
N,907303,585446,16.7,L55.3
N,907297,585550,20,L55.4
N,907292,585650,23,L55.5
N,907286,585749,26,L55.6
N,907281,585850,29,L55.7
N,907277,585946,32,L55.8
N,907271,586044,35,L55.9
N,907263,586141,38,L55.10
N,907251,586244,41,L55.11
N,907236,586347,44,L55.12
N,907221,586443,47,L55.13
N,907206,586543,50,L55.14
N,907192,586642,53,L55.15
L15 - NB General - Inner ST 538 to 550 (4 lanes),21,
N,907326,585264,11.2,L15.1
N,907319,585350,14,L15.2
N,907311,585447,16.7,L15.3
N,907305,585551,20,L15.4
N,907301,585651,23,L15.5
N,907296,585751,26,L15.6
L15 - NB General - Inner ST 538 to 550 (5 lanes),22,
N,907296,585751,26,L15.6
N,907290,585852,29,L15.7
N,907285,585947,32,L15.8
N,907279,586045,35.3,L15.9
N,907271,586141,38.2,L15.10

N,907258,586245,41.2,L15.11
N,907244,586348,44,L15.12
N,907230,586445,47,L15.13
N,907215,586545,49.9,L15.14
N,907200,586644,52.8,L15.15
L5 - NB General - Outer ST 538 to 550 (4 lanes),23,
N,907334,585266,11.2,L5.1
N,907325,585353,14,L5.2
N,907318,585447,16.7,L5.3
N,907313,585551,20,L5.4
N,907307,585652,23,L5.5
N,907301,585752,26,L5.6
L5 - NB General - Outer ST 538 to 550 (5 lanes),24,
N,907301,585752,26,L5.6
N,907298,585853,29,L5.7
N,907294,585948,32,L5.8
N,907288,586047,35.3,L5.9
N,907280,586143,38.2,L5.10
N,907267,586247,41.2,L5.11
N,907253,586351,44,L5.12
N,907238,586448,47,L5.13
N,907223,586548,49.9,L5.14
N,907209,586647,52.8,L5.15
L85 - NB Flyover over Carmel Valley Rd,25,
N,907388,585210,13.4,L85.1
N,907390,585270,14.2,L85.2
N,907388,585311,14.8,L85.3
N,907381,585347,15.4,L85.4
N,907363,585408,16.5,L85.5
N,907340,585471,16.9,L85.6
N,907328,585522,18.5,L85.7
N,907319,585581,19.7,L85.8
N,907314,585653,23,L85.9
N,907308,585752,26,L85.10
N,907298,585853,29,L85.11
L27 - NB Carmel Valley Road On-ramp,26,
N,907376,585438,8.6,L27.1
N,907365,585482,10,L27.2
N,907351,585545,14,L27.3
N,907337,585606,18,L27.4
N,907326,585674,22,L27.5
N,907316,585749,25.5,L27.6
N,907312,585816,27.5,L27.7
N,907306,585900,30,L27.8
N,907302,585952,32,L27.9
N,907295,586048,35.3,L27.10
L28 - SB Carmel Valley Rd Off-ramp,27,
N,907224,585339,6.7,L28.1A
N,907217,585380,7.5,L28.1
N,907222,585415,9,L28.2
N,907229,585466,11.9,L28.3
N,907238,585521,15,L28.4
N,907243,585588,19,L28.5
N,907245,585649,22,L28.6
N,907247,585716,24.5,L28.7
N,907249,585794,27,L28.8

N,907248,585848,29,L28.9
L28 - SB Aux Lane - Build only,28,
N,907248,585848,29,L28.9
N,907244,585944,31.7,L28.10
N,907237,586044,34.8,L28.11
N,907230,586139,37.7,L28.12
N,907217,586242,40.7,L28.13
N,907202,586341,43.8,L28.14
N,907189,586440,46.7,L28.15
N,907173,586536,49.7,L30.2
N,907160,586635,52.7,L30.3
N,907144,586734,55.7,L30.4
L76 - SB Flyover over Carmel Valley Rd,29,
N,907265,585218,17.5,L76.1
N,907264,585317,17.5,L76.2
N,907265,585418,17.3,L76.3
N,907265,585504,18.5,L76.4
N,907264,585592,21,L76.5
N,907260,585648,22.5,L76.6
N,907259,585745,25.7,L76.7
L29 - NB Aux Lane ST 546 to 555,30,
N,907295,586048,35.3,L29.1
N,907286,586144,38.2,L29.2
N,907274,586248,41.2,L29.3
N,907259,586354,44,L29.4
N,907245,586450,46.9,L29.5
N,907230,586549,49.9,L29.6
N,907216,586649,52.8,L29.7
B52 - Center Divider ST 536 to 537,1,2,0,0
907356,585002,8.1,9.1,B52.8
907339,585087,7.8,8.8,B52.9
907327,585160,8.5,9.5,B52.10
B53 - Center Divider ST 537 to 546,2,2,0,0
907327,585160,8.5,9.5,B53.1
907313,585261,11.5,12.5,B53.2
907304,585346,14,15,B53.3
907297,585444,16.9,17.9,B53.4
907291,585550,20,21,B53.5
907286,585649,27,28,B53.6
907281,585746,26,27,B53.7
907276,585850,29,30,B53.8
907271,585946,32,33,B53.9
907265,586044,35,36,B53.10
B54 - Center Divider ST 546 to 555,3,2,0,0
907265,586044,35,36,B54.1
907256,586142,38,39,B54.2
907244,586242,41,42,B54.3
907230,586346,44,45,B54.4
907215,586444,47,48,B54.5
907201,586539,50,51,B54.6
907186,586639,53,54,B54.7
B2 - SB Shoulder of SB Flyover L76 Structure,4,92,0,0
1,29
907261,585133,17,17,B2.1
907258,585217,17.5,17.5,B2.2
907258,585317,17.5,17.5,B2.3

907258,585379,17.5,17.5,B2.4
B2 - SB Shoulder of SB Flyover L76,5,2,0,0
907258,585379,17.5,17.5,B2.4
907258,585417,17.3,17.3,B2.5
907258,585504,18.4,18.4,B2.6
907257,585591,21,21,B2.7
907255,585647,22.5,22.5,B2.8
907253,585692,23.8,23.8,B2.9
B1 - Building SB side at R4.1 - 4.2,6,2,0,0
907128,585323,15,21,B1.1
907155,585344,15.6,21.6,B1.2
907167,585353,15.3,21.3,B1.3
907176,585366,15.2,21.2,B1.4
907192,585379,13.8,19.8,B1.5
907202,585434,13.7,19.7,B1.6
907163,585451,13.7,19.7,B1.7
B1 - Nat Barrier next to building,7,2,0,0
907202,585434,13.7,13.7,B1.6
907192,585468,22.5,22.5,B3.2
B3 - 6' to 7' Prop Wall SB side at Tennis Courts,8,2,0,0
907175,585473,22.5,24.3,B3.1
907192,585468,22.5,24.3,B3.2
907199,585508,23,24.8,B3.3
907199,585508,23,25.1,B3.3
907212,585560,24.5,26.6,B3.4
907221,585599,26,28.1,B3.5
907204,585603,26,28.1,B3.5A
B3 - Exist Soundwall SB Side 7.5',9,2,0,0
907221,585599,26,26,B3.5
907210,585616,34,34,B3.6
907210,585616,34,36.3,B3.6
907217,585649,34,36.3,B3.7
907219,585694,31.3,33.6,B3.7A
B3 - Exist Soundwall SB Side 15' to 9',10,2,0,0
907219,585694,31.3,35.9,B3.7A
907220,585714,34.5,39.1,B3.8
907223,585771,35,39.6,B3.9
907225,585803,35.5,40.1,B4.1
907226,585872,36,40.6,B4.2
907226,585913,36.5,41.1,B4.3
907223,585941,38,42.6,B4.4
907223,585941,38,41.3,B4.4
907221,585967,40,43.3,B4.5
907217,585988,42.3,45,B4.6
B4 - Glass Soundwall SB side 9' to 7',11,2,0,0
907217,585988,42.3,45,B4.6
907215,586007,43.7,46.4,B4.7
907215,586007,43.7,45.8,B4.7
907216,586040,44.8,46.9,B4.8
907214,586091,45,47.1,B4.9
907204,586124,50,52.1,B4.10
B5 - Glass Soundwall SB Side 7',12,2,0,0
907204,586124,50,52.1,B5.1
907198,586162,52,54.1,B5.2
907193,586200,54,56.1,B5.3
907184,586259,57,59.1,B5.4

907174,586320,59.5,61.6,B5.5
907163,586378,63.5,65.6,B5.6
907151,586438,65.5,67.6,B5.7
907140,586498,67.5,69.6,B5.8
907130,586570,68.5,70.6,B5.9
907126,586611,69.3,71.4,B5.10
R,1,67,4
907137,585462,26.1,R4.1
R,2,67,4
907189,585474,24.1,R4.2
R,3,67,4
907186,585578,30.1,R4.3
R,4,67,4
907217,585595,27.1,R4.4
R,5,67,4
907211,585653,36.1,R4.5
R,6,67,4
907194,585714,37.6,R4.6
R,7,67,4
907202,585804,38.2,R4.7
R,8,67,4
907191,585850,38.6,R4.8
R,9,67,4
907206,585947,40.4,R4.9
R,10,67,4
907157,585988,46.1,R4.10
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
04 - CARMEL VALLEY ROAD TO DEL MAR HEIGHTS SOUTH- NO BUILD,0,FT,

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	3.*							B52.8	284.4	
2	-	3.*							B52.9	242.7	
3	-	3.*							B53.1	334.6	
4	-	3.*							B53.2	280.6	
5	-	3.*							B53.3	322.5	
6	-	3.*							B53.4	348.5	
7	-	3.*							B53.5	326.0	
8	-	3.*							B53.6	318.6	
9	-	3.*							B53.7	341.8	
10	-	3.*							B53.8	315.5	
11	-	3.*							B53.9	322.3	
12	-	3.*							B54.1	323.1	
13	-	3.*							B54.2	330.5	
14	-	3.*							B54.3	344.4	
15	-	3.*							B54.4	325.5	
16	-	3.*							B54.5	315.2	
17	-	3.*							B54.6	331.8	
18	-	0.*							B2.1	275.8	
19	-	0.*							B2.2	328.1	
20	-	0.*							B2.3	203.4	
21	-	0.*							B2.4	124.6	
22	-	0.*							B2.5	285.5	
23	-	0.*							B2.6	285.5	
24	-	0.*							B2.7	183.9	
25	-	0.*							B2.8	147.9	
26	-	20.*							B1.1	112.3	
27	-	20.*							B1.2	49.3	
28	-	20.*							B1.3	51.8	
29	-	20.*							B1.4	67.8	
30	-	20.*							B1.5	183.4	
31	-	20.*							B1.6	139.5	
32	-	0.*							B1.6	119.9	
33	-	6.*							B3.1	58.2	
34	-	6.*							B3.2	133.2	
35	-	6.*							B3.3	.9	
36	-	7.*							B3.3	175.9	

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37    -  7.*                    B3.4      131.5
38    -  7.*                    B3.5       57.3

39    -  0.*                    B3.5       71.4
40    -  4.*                    B3.6        7.6
41    -  8.*                    B3.6      110.7
42    -  8.*                    B3.7      148.0

43    - 15.*                    B3.7A      66.6
44    - 15.*                    B3.8      187.3
45    - 15.*                    B3.9      105.2
46    - 15.*                    B4.1      226.3
47    - 15.*                    B4.2      134.5
48    - 15.*                    B4.3       92.6
49    - 13.*                    B4.4        4.3
50    - 11.*                    B4.4       85.8
51    - 10.*                    B4.5       70.4

52    -  9.*                    B4.6       62.8
53    -  8.*                    B4.7        1.9
54    -  7.*                    B4.7      108.4
55    -  7.*                    B4.8      167.4
56    -  7.*                    B4.9      114.3

57    -  7.*                    B5.1      126.4
58    -  7.*                    B5.2      125.8
59    -  7.*                    B5.3      196.1
60    -  7.*                    B5.4      202.9
61    -  7.*                    B5.5      194.1
62    -  7.*                    B5.6      200.9
63    -  7.*                    B5.7      200.2
64    -  7.*                    B5.8      238.6
65    -  7.*                    B5.9      135.2
-------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
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 1  REC 1     67.    500.   71.1
 2  R4.2      67.    500.   71.6
 3  R4.3      67.    500.   72.6
 4  R4.4      67.    500.   70.1
 5  R4.5      67.    500.   72.0
 6  R4.6      67.    500.   68.3
 7  R4.7      67.    500.   65.9
 8  R4.8      67.    500.   64.9
 9  R4.9      67.    500.   66.5
10  R4.10     67.    500.   64.9
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0.
20.20.20.20.20.20. 0. 6. 6. 6. 7. 7. 7. 0. 4. 8. 8.15.15.15.15.15.15.13.11.
10. 9. 8. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7.
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04 - Carmel Valley Road to Del Mar Heights SOUTH - Build,Bld,Ft,
T-L74 - SB Connector Flyover Bypass - Outer ST 535 to 538,1
3109,65,79,65,112,65
T-L84 - SB Connector from SR-56 - Inner ST 535 to 538,2
1884,65,48,65,68,65
T-L54 - SB HOV ST 535 to 538,3
3000,65,0,65,0,65
T-L53 - NB HOV ST 535 to 538,4
3000,65,0,65,0,65
T-L13 - NB General - Inner ST 535 to 538 (4 lanes),5
3514,65,88,65,0,65
T-L3 - NB General - Outer ST 535 to 538 (4 lanes),6
3270,65,88,65,244,65
T-L83 - NB Connector Flyover Bypass- Inner ST 535 to 538,7
2864,65,73,65,103,65
T-L73 - NB Connector to SR-56 - Outer ST 535 to 538,8
1884,65,48,65,68,65
T-L75 - NB Connector to SR-56,9
1884,65,48,65,68,65
T-L86 - SB Connector from SR-56,10
1884,65,48,65,68,65
T-L86 - SB Connector from SR-56,11
1884,65,48,65,68,65
T-L25 - NB Carmel Valley Road Off-ramp,12
1900,45,48,45,52,45
T-L26 - SB Carmel Valley Road On-ramp,13
950,45,24,45,26,45
T-L26 - SB Carmel Valley Road On-ramp,14
950,45,24,45,26,45
T-L6 - SB General - Outer ST 538 to 550 (4 lanes),15
3270,65,88,65,244,65
T-L6 - SB General - Outer ST 538 to 550 (5 lanes),16
3209,65,88,65,305,65
T-L16 - SB General - Inner ST 538 to 550 (4 lanes),17
3514,65,88,65,0,65
T-L16 - SB General - Inner ST 538 to 550 (5 lanes),18
5271,65,132,65,0,65
T-L56 - SB HOV ST 538 to 550,19
3000,65,0,65,0,65
T-L55 - NB HOV ST 538 to 550,20
3000,65,0,65,0,65
T-L15 - NB General - Inner ST 538 to 550 (4 lanes),21
3514,65,88,65,0,65
T-L15 - NB General - Inner ST 538 to 550 (5 lanes),22
5271,65,132,65,0,65
T-L5 - NB General - Outer ST 538 to 550 (4 lanes),23
3270,65,88,65,244,65
T-L5 - NB General - Outer ST 538 to 550 (5 lanes),24
3209,65,88,65,305,65
T-L85 - NB Flyover Bypass over Carmel Valley Rd,25
2864,65,73,65,103,65
T-L27 - NB Carmel Valley Road On-ramp,26
950,45,24,45,26,45
T-L28 - SB Carmel Valley Rd Off-ramp,27
114,45,3,45,3,45
T-L28 - SB Aux Lane - Build only,28

1696,65,44,65,61,65
T-L76 - SB Flyover Bypass over Carmel Valley Rd,29
3109,65,79,65,112,65
T-L29 - NB Aux Lane ST 546 to 555 (Build 2 lanes),30
3392,65,88,65,122,65
L74 - SB Connector Flyover - Outer ST 535 to 538,1
N,907327,584896,13.5,L74.11,
N,907301,584984,13.7,L74.12,
N,907280,585058,15,L74.13
N,907268,585133,17,L74.14
N,907265,585218,17.5,L74.15
L84 - SB Connector Flyover - Inner ST 535 to 538,2,
N,907335,584898,13.5,L84.11
N,907308,584988,13.7,L84.12
N,907290,585061,15,L84.13
N,907287,585122,17,L84.14
N,907293,585186,17.5,L84.15
L54 - SB HOV ST 535 to 538,3,
N,907371,584912,9.3,L54.11
N,907350,585003,8.1,L54.12
N,907334,585085,7.8,L54.13
N,907321,585159,8.5,L54.14
N,907307,585264,11.5,L54.15
L53 - NB HOV ST 535 to 538,4,
N,907381,584912,9.5,L53.11
N,907360,585002,8.1,L53.12
N,907344,585088,7.7,L53.13
N,907332,585162,8.5,L53.14
N,907318,585262,11.2,L53.15
L13 - NB General - Inner ST 535 to 538 (4 lanes),5,
N,907389,584914,9.3,L13.11
N,907369,585004,7.8,L13.12
N,907352,585090,7.5,L13.13
N,907340,585164,8.4,L13.14
N,907326,585264,11.2,L13.15
L3 - NB General - Outer ST 535 to 538 (4 lanes),6,
N,907397,584917,9.3,L3.11
N,907376,585006,7.8,L3.12
N,907360,585091,7.5,L3.13
N,907347,585165,8.4,L3.14
N,907334,585266,11.2,L3.15
L83 - NB Connector Flyover - Inner ST 535 to 538,7,
N,907409,584918,9,L83.11
N,907390,585003,7.5,L83.12
N,907385,585070,9.1,L83.13
N,907386,585131,10.5,L83.14
N,907388,585210,13.4,L83.15
L73 - NB Connector Flyover - Outer ST 535 to 538,8,
N,907415,584919,9,L73.11
N,907398,585004,7.5,L73.12
N,907396,585071,9.1,L73.13
N,907399,585131,10.1,L73.14
N,907408,585189,11.5,L73.15
L75 - NB Connector to Carmel Valley Road,9,
N,907408,585189,11.5,L75.1
N,907423,585248,14,L75.2

N,907445,585303,15.1,L75.3
N,907472,585357,16.8,L75.4
N,907506,585405,18.6,L75.5
L86 - SB Connector from Carmal Valley Road,10,
N,907339,585300,22.6,L86.1
N,907367,585341,23.5,L86.2
L86 - SB Connector from Carmal Valley Road,11,
N,907388,585362,23.9,L86.3
N,907430,585398,24.2,L86.4
N,907480,585433,23.5,L86.5
L25 - NB Carmel Valley Road Off-ramp,12,
N,907376,585006,7.8,L25.1
N,907364,585077,7.5,L25.2
N,907358,585149,7.8,L25.3
N,907353,585230,9.7,L25.4
N,907356,585269,9.4,L25.5
N,907373,585335,9,L25.6
L26 - SB Carmel Valley Road On-ramp,13,
N,907288,585200,7.7,L26.1
N,907270,585243,7.5,L26.2
L26 - SB Carmel Valley Road On-ramp,14,
N,907257,585271,7,L26.3
N,907239,585306,6.7,L26.4
L6 - SB General - Outer ST 538 to 550 (4 lanes),15,
N,907354,584907,9.4,L4.11
N,907333,585000,8.2,L4.12
N,907317,585082,8,L4.13
N,907307,585157,8.7,L4.14
N,907293,585257,11.5,L6.1
N,907286,585337,14,L6.2
N,907277,585441,17,L6.3
N,907272,585548,20,L6.4
N,907266,585647,23,L6.5
N,907259,585745,26,L6.6
L6 - SB General - Outer ST 538 to 550 (5 lanes),16,
N,907259,585745,26,L6.6
N,907255,585848,29,L6.7
N,907249,585945,32,L6.8
N,907243,586046,34.8,L6.9
N,907236,586140,37.7,L6.10
N,907222,586243,40.7,L6.11
N,907208,586342,43.8,L6.12
N,907194,586441,46.7,L6.13
N,907179,586537,49.7,L6.14
N,907164,586636,52.7,L6.15
L16 - SB General - Inner ST 538 to 550 (4 lanes),17,
N,907362,584910,9.4,L14.11
N,907342,585001,8.2,L14.12
N,907326,585085,8,L14.13
N,907315,585158,8.7,L14.14
N,907300,585260,11.5,L16.1
N,907291,585340,14,L16.2
N,907284,585442,17,L16.3
N,907278,585549,20,L16.4
N,907273,585648,23,L16.5
N,907268,585745,26,L16.6

L16 - SB General - Inner ST 538 to 550 (5 lanes),18,
N,907268,585745,26,L16.6
N,907263,585848,29,L16.7
N,907257,585946,32,L16.8
N,907251,586045,34.8,L16.9
N,907243,586141,37.7,L16.10
N,907231,586245,40.7,L16.11
N,907217,586344,43.8,L16.12
N,907202,586442,46.7,L16.13
N,907188,586537,49.7,L16.14
N,907173,586637,52.7,L16.15
L56 - SB HOV ST 538 to 550,19,
N,907307,585264,11.5,L56.1
N,907298,585346,14,L56.2
N,907292,585444,16.9,L56.3
N,907287,585549,20,L56.4
N,907281,585648,23,L56.5
N,907277,585746,26,L56.6
N,907271,585848,29,L56.7
N,907266,585946,32,L56.8
N,907261,586044,35,L56.9
N,907252,586142,38,L56.10
N,907239,586245,41,L56.11
N,907225,586345,44,L56.12
N,907211,586444,47,L56.13
N,907196,586539,50,L56.14
N,907181,586638,53,L56.15
L55 - NB HOV ST 538 to 550,20,
N,907318,585262,11.2,L55.1
N,907310,585348,14,L55.2
N,907303,585446,16.7,L55.3
N,907297,585550,20,L55.4
N,907292,585650,23,L55.5
N,907286,585749,26,L55.6
N,907281,585850,29,L55.7
N,907277,585946,32,L55.8
N,907271,586044,35,L55.9
N,907263,586141,38,L55.10
N,907251,586244,41,L55.11
N,907236,586347,44,L55.12
N,907221,586443,47,L55.13
N,907206,586543,50,L55.14
N,907192,586642,53,L55.15
L15 - NB General - Inner ST 538 to 550 (4 lanes),21,
N,907326,585264,11.2,L15.1
N,907319,585350,14,L15.2
N,907311,585447,16.7,L15.3
N,907305,585551,20,L15.4
N,907301,585651,23,L15.5
N,907296,585751,26,L15.6
L15 - NB General - Inner ST 538 to 550 (5 lanes),22,
N,907296,585751,26,L15.6
N,907290,585852,29,L15.7
N,907285,585947,32,L15.8
N,907279,586045,35.3,L15.9
N,907271,586141,38.2,L15.10

N,907258,586245,41.2,L15.11
N,907244,586348,44,L15.12
N,907230,586445,47,L15.13
N,907215,586545,49.9,L15.14
N,907200,586644,52.8,L15.15
L5 - NB General - Outer ST 538 to 550 (4 lanes),23,
N,907334,585266,11.2,L5.1
N,907325,585353,14,L5.2
N,907318,585447,16.7,L5.3
N,907313,585551,20,L5.4
N,907307,585652,23,L5.5
N,907301,585752,26,L5.6
L5 - NB General - Outer ST 538 to 550 (5 lanes),24,
N,907301,585752,26,L5.6
N,907298,585853,29,L5.7
N,907294,585948,32,L5.8
N,907288,586047,35.3,L5.9
N,907280,586143,38.2,L5.10
N,907267,586247,41.2,L5.11
N,907253,586351,44,L5.12
N,907238,586448,47,L5.13
N,907223,586548,49.9,L5.14
N,907209,586647,52.8,L5.15
L85 - NB Flyover over Carmel Valley Rd,25,
N,907388,585210,13.4,L85.1
N,907390,585270,14.2,L85.2
N,907388,585311,14.8,L85.3
N,907381,585347,15.4,L85.4
N,907363,585408,16.5,L85.5
N,907340,585471,16.9,L85.6
N,907328,585522,18.5,L85.7
N,907319,585581,19.7,L85.8
N,907314,585653,23,L85.9
N,907308,585752,26,L85.10
N,907298,585853,29,L85.11
L27 - NB Carmel Valley Road On-ramp,26,
N,907376,585438,8.6,L27.1
N,907365,585482,10,L27.2
N,907351,585545,14,L27.3
N,907337,585606,18,L27.4
N,907326,585674,22,L27.5
N,907316,585749,25.5,L27.6
N,907312,585816,27.5,L27.7
N,907306,585900,30,L27.8
N,907302,585952,32,L27.9
N,907295,586048,35.3,L27.10
L28 - SB Carmel Valley Rd Off-ramp,27,
N,907224,585339,6.7,L28.1A
N,907217,585380,7.5,L28.1
N,907222,585415,9,L28.2
N,907229,585466,11.9,L28.3
N,907238,585521,15,L28.4
N,907243,585588,19,L28.5
N,907245,585649,22,L28.6
N,907247,585716,24.5,L28.7
N,907249,585794,27,L28.8

N,907248,585848,29,L28.9
L28 - SB Aux Lane - Build only,28,
N,907248,585848,29,L28.9
N,907244,585944,31.7,L28.10
N,907237,586044,34.8,L28.11
N,907230,586139,37.7,L28.12
N,907217,586242,40.7,L28.13
N,907202,586341,43.8,L28.14
N,907189,586440,46.7,L28.15
N,907173,586536,49.7,L30.2
N,907158,586633,52.7,L30.3
N,907141,586731,55.4,L30.4
L76 - SB Flyover over Carmel Valley Rd,29,
N,907265,585218,17.5,L76.1
N,907264,585317,17.5,L76.2
N,907265,585418,17.3,L76.3
N,907265,585504,18.5,L76.4
N,907264,585592,21,L76.5
N,907260,585648,22.5,L76.6
N,907259,585745,25.7,L76.7
L29 - NB Aux Lane ST 546 to 555,30,
N,907295,586048,35.3,L29.1
N,907286,586144,38.2,L29.2
N,907274,586248,41.2,L29.3
N,907259,586354,44,L29.4,
N,907245,586450,46.9,L29.5,
N,907230,586549,49.9,L29.6,
N,907216,586649,52.8,L29.7,
B52 - Center Divider ST 536 to 537,1,2,0,0,
907356,585002,8.1,9.1,B52.8,
907339,585087,7.8,8.8,B52.9,
907327,585160,8.5,9.5,B52.10,
B53 - Center Divider ST 537 to 546,2,2,0,0,
907327,585160,8.5,9.5,B53.1,
907313,585261,11.5,12.5,B53.2,
907304,585346,14,15,B53.3,
907297,585444,16.9,17.9,B53.4,
907291,585550,20,21,B53.5,
907286,585649,27,28,B53.6,
907281,585746,26,27,B53.7,
907276,585850,29,30,B53.8,
907271,585946,32,33,B53.9,
907265,586044,35,36,B53.10,
B54 - Center Divider ST 546 to 555,3,2,0,0,
907265,586044,35,36,B54.1,
907256,586142,38,39,B54.2,
907244,586242,41,42,B54.3,
907230,586346,44,45,B54.4,
907215,586444,47,48,B54.5,
907201,586539,50,51,B54.6,
907186,586639,53,54,B54.7,
B2 - SB Shoulder of SB Flyover L76 Structure,4,92,0,0,
1,29
907261,585133,17,17,B2.1,
907258,585217,17.5,17.5,B2.2,
907258,585317,17.5,17.5,B2.3,

907258,585379,17.5,17.5,B2.4,
B2 - SB Shoulder of SB Flyover L76,5,2,0,0,
907258,585379,17.5,17.5,B2.4,
907258,585417,17.3,17.3,B2.5,
907258,585504,18.4,18.4,B2.6,
907257,585591,21,21,B2.7,
907255,585647,22.5,22.5,B2.8,
907253,585692,23.8,23.8,B2.9,
B1 - Building SB side at R4.1 - 4.2,6,2,0,0,
907128,585323,15,21,B1.1,
907155,585344,15.6,21.6,B1.2,
907167,585353,15.3,21.3,B1.3,
907176,585366,15.2,21.2,B1.4,
907192,585379,13.8,19.8,B1.5,
907202,585434,13.7,19.7,B1.6,
907163,585451,13.7,19.7,B1.7,
B1 - Nat Barrier next to building,7,2,0,0,
907202,585434,13.7,13.7,B1.6,
907192,585468,22.5,22.5,B3.2,
B3 - 6' to 7' Prop Wall SB side at Tennis Courts,8,2,0,0,
907175,585473,22.5,24.3,B3.1,
907192,585468,22.5,24.3,B3.2,
907199,585508,23,24.8,B3.3,
907199,585508,23,25.1,B3.3,
907212,585560,24.5,26.6,B3.4,
907221,585599,26,28.1,B3.5,
907204,585603,26,28.1,B3.5A,
B3 - Exist Soundwall SB Side 7.5',9,2,0,0,
907221,585599,26,26,B3.5,
907210,585616,34,34,B3.6,
907210,585616,34,36.3,B3.6,
907217,585649,34,36.3,B3.7,
907219,585694,31.3,33.6,B3.7A,
B3 - Exist Soundwall SB Side 15' to 9',10,2,0,0,
907219,585694,31.3,35.9,B3.7A,
907220,585714,34.5,39.1,B3.8,
907223,585771,35,39.6,B3.9,
907225,585803,35.5,40.1,B4.1,
907226,585872,36,40.6,B4.2,
907226,585913,36.5,41.1,B4.3,
907223,585941,38,42.6,B4.4,
907223,585941,38,41.3,B4.4,
907221,585967,40,43.3,B4.5,
907217,585988,42.3,45,B4.6,
B4 - Glass Soundwall SB side 9' to 7',11,2,0,0,
907217,585988,42.3,45,B4.6,
907215,586007,43.7,46.4,B4.7,
907215,586007,43.7,45.8,B4.7,
907216,586040,44.8,46.9,B4.8,
907214,586091,45,47.1,B4.9,
907204,586124,50,52.1,B4.10,
B5 - Glass Soundwall SB Side 7',12,2,0,0,
907204,586124,50,52.1,B5.1,
907198,586162,52,54.1,B5.2,
907193,586200,54,56.1,B5.3,
907184,586259,57,59.1,B5.4,

907174,586320,59.5,61.6,B5.5,
907163,586378,63.5,65.6,B5.6,
907151,586438,65.5,67.6,B5.7,
907140,586498,67.5,69.6,B5.8,
907130,586570,68.5,70.6,B5.9,
907126,586611,69.3,71.4,B5.10,
R,1,67,4
907137,585462,26.1,R4.1
R,2,67,4
907189,585474,24.1,R4.2
R,3,67,4
907186,585578,30.1,R4.3
R,4,67,4
907217,585595,27.1,R4.4
R,5,67,4
907211,585653,36.1,R4.5
R,6,67,4
907194,585714,37.6,R4.6
R,7,67,4
907202,585804,38.2,R4.7
R,8,67,4
907191,585850,38.6,R4.8
R,9,67,4
907206,585947,40.4,R4.9
R,10,67,4
907157,585988,46.1,R4.10
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
04 - CARMEL VALLEY ROAD TO DEL MAR HEIGHTS SOUTH - BUILD,BLD,FT,

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	3.*							B52.8	284.4	
2	-	3.*							B52.9	242.7	
3	-	3.*							B53.1	334.6	
4	-	3.*							B53.2	280.6	
5	-	3.*							B53.3	322.5	
6	-	3.*							B53.4	348.5	
7	-	3.*							B53.5	326.0	
8	-	3.*							B53.6	318.6	
9	-	3.*							B53.7	341.8	
10	-	3.*							B53.8	315.5	
11	-	3.*							B53.9	322.3	
12	-	3.*							B54.1	323.1	
13	-	3.*							B54.2	330.5	
14	-	3.*							B54.3	344.4	
15	-	3.*							B54.4	325.5	
16	-	3.*							B54.5	315.2	
17	-	3.*							B54.6	331.8	
18	-	0.*							B2.1	275.8	
19	-	0.*							B2.2	328.1	
20	-	0.*							B2.3	203.4	
21	-	0.*							B2.4	124.6	
22	-	0.*							B2.5	285.5	
23	-	0.*							B2.6	285.5	
24	-	0.*							B2.7	183.9	
25	-	0.*							B2.8	147.9	
26	-	20.*							B1.1	112.3	
27	-	20.*							B1.2	49.3	
28	-	20.*							B1.3	51.8	
29	-	20.*							B1.4	67.8	
30	-	20.*							B1.5	183.4	
31	-	20.*							B1.6	139.5	
32	-	0.*							B1.6	119.9	
33	-	6.*							B3.1	58.2	
34	-	6.*							B3.2	133.2	
35	-	6.*							B3.3	.9	
36	-	7.*							B3.3	175.9	

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37    -  7.*                    B3.4      131.5
38    -  7.*                    B3.5       57.3

39    -  0.*                    B3.5       71.4
40    -  4.*                    B3.6        7.6
41    -  8.*                    B3.6      110.7
42    -  8.*                    B3.7      148.0

43    - 15.*                    B3.7A      66.6
44    - 15.*                    B3.8      187.3
45    - 15.*                    B3.9      105.2
46    - 15.*                    B4.1      226.3
47    - 15.*                    B4.2      134.5
48    - 15.*                    B4.3       92.6
49    - 13.*                    B4.4        4.3
50    - 11.*                    B4.4       85.8
51    - 10.*                    B4.5       70.4

52    -  9.*                    B4.6       62.8
53    -  8.*                    B4.7        1.9
54    -  7.*                    B4.7      108.4
55    -  7.*                    B4.8      167.4
56    -  7.*                    B4.9      114.3

57    -  7.*                    B5.1      126.4
58    -  7.*                    B5.2      125.8
59    -  7.*                    B5.3      196.1
60    -  7.*                    B5.4      202.9
61    -  7.*                    B5.5      194.1
62    -  7.*                    B5.6      200.9
63    -  7.*                    B5.7      200.2
64    -  7.*                    B5.8      238.6
65    -  7.*                    B5.9      135.2
--------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
------------------------------
 1  R4.1      67.    500.   71.7
 2  R4.2      67.    500.   72.2
 3  R4.3      67.    500.   73.2
 4  R4.4      67.    500.   70.7
 5  R4.5      67.    500.   72.6
 6  R4.6      67.    500.   68.9
 7  R4.7      67.    500.   66.6
 8  R4.8      67.    500.   65.6
 9  R4.9      67.    500.   67.3
10  R4.10     67.    500.   65.6
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0.
20.20.20.20.20.20. 0. 6. 6. 6. 7. 7. 7. 0. 4. 8. 8.15.15.15.15.15.15.13.11.
10. 9. 8. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7.
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04 - Carmel Valley Road to Del Mar Heights SOUTH - DGN,DGN,Ft,
T-L74 - SB Connector Flyover Bypass - Outer ST 535 to 538,1
3109,65,79,65,112,65
T-L84 - SB Connector from SR-56 - Inner ST 535 to 538,2
1884,65,48,65,68,65
T-L54 - SB HOV ST 535 to 538,3
3000,65,0,65,0,65
T-L53 - NB HOV ST 535 to 538,4
3000,65,0,65,0,65
T-L13 - NB General - Inner ST 535 to 538 (4 lanes),5
3514,65,88,65,0,65
T-L3 - NB General - Outer ST 535 to 538 (4 lanes),6
3270,65,88,65,244,65
T-L83 - NB Connector Flyover Bypass- Inner ST 535 to 538,7
2864,65,73,65,103,65
T-L73 - NB Connector to SR-56 - Outer ST 535 to 538,8
1884,65,48,65,68,65
T-L75 - NB Connector to SR-56,9
1884,65,48,65,68,65
T-L86 - SB Connector from SR-56,10
1884,65,48,65,68,65
T-L86 - SB Connector from SR-56,11
1884,65,48,65,68,65
T-L25 - NB Carmel Valley Road Off-ramp,12
1900,45,48,45,52,45
T-L26 - SB Carmel Valley Road On-ramp,13
950,45,24,45,26,45
T-L26 - SB Carmel Valley Road On-ramp,14
950,45,24,45,26,45
T-L6 - SB General - Outer ST 538 to 550 (4 lanes),15
3270,65,88,65,244,65
T-L6 - SB General - Outer ST 538 to 550 (5 lanes),16
3209,65,88,65,305,65
T-L16 - SB General - Inner ST 538 to 550 (4 lanes),17
3514,65,88,65,0,65
T-L16 - SB General - Inner ST 538 to 550 (5 lanes),18
5271,65,132,65,0,65
T-L56 - SB HOV ST 538 to 550,19
3000,65,0,65,0,65
T-L55 - NB HOV ST 538 to 550,20
3000,65,0,65,0,65
T-L15 - NB General - Inner ST 538 to 550 (4 lanes),21
3514,65,88,65,0,65
T-L15 - NB General - Inner ST 538 to 550 (5 lanes),22
5271,65,132,65,0,65
T-L5 - NB General - Outer ST 538 to 550 (4 lanes),23
3270,65,88,65,244,65
T-L5 - NB General - Outer ST 538 to 550 (5 lanes),24
3209,65,88,65,305,65
T-L85 - NB Flyover Bypass over Carmel Valley Rd,25
2864,65,73,65,103,65
T-L27 - NB Carmel Valley Road On-ramp,26
950,45,24,45,26,45
T-L28 - SB Carmel Valley Rd Off-ramp,27
114,45,3,45,3,45
T-L28 - SB Aux Lane - Build only,28

1696,65,44,65,61,65
T-L76 - SB Flyover Bypass over Carmel Valley Rd,29
3109,65,79,65,112,65
T-L29 - NB Aux Lane ST 546 to 555 (Build 2 lanes),30
3392,65,88,65,122,65
L74 - SB Connector Flyover - Outer ST 535 to 538,1
N,907327,584896,13.5,L74.11,
N,907301,584984,13.7,L74.12,
N,907280,585058,15,L74.13
N,907268,585133,17,L74.14
N,907265,585218,17.5,L74.15
L84 - SB Connector Flyover - Inner ST 535 to 538,2,
N,907335,584898,13.5,L84.11
N,907308,584988,13.7,L84.12
N,907290,585061,15,L84.13
N,907287,585122,17,L84.14
N,907293,585186,17.5,L84.15
L54 - SB HOV ST 535 to 538,3,
N,907371,584912,9.3,L54.11
N,907350,585003,8.1,L54.12
N,907334,585085,7.8,L54.13
N,907321,585159,8.5,L54.14
N,907307,585264,11.5,L54.15
L53 - NB HOV ST 535 to 538,4,
N,907381,584912,9.5,L53.11
N,907360,585002,8.1,L53.12
N,907344,585088,7.7,L53.13
N,907332,585162,8.5,L53.14
N,907318,585262,11.2,L53.15
L13 - NB General - Inner ST 535 to 538 (4 lanes),5,
N,907389,584914,9.3,L13.11
N,907369,585004,7.8,L13.12
N,907352,585090,7.5,L13.13
N,907340,585164,8.4,L13.14
N,907326,585264,11.2,L13.15
L3 - NB General - Outer ST 535 to 538 (4 lanes),6,
N,907397,584917,9.3,L3.11
N,907376,585006,7.8,L3.12
N,907360,585091,7.5,L3.13
N,907347,585165,8.4,L3.14
N,907334,585266,11.2,L3.15
L83 - NB Connector Flyover - Inner ST 535 to 538,7,
N,907409,584918,9,L83.11
N,907390,585003,7.5,L83.12
N,907385,585070,9.1,L83.13
N,907386,585131,10.5,L83.14
N,907388,585210,13.4,L83.15
L73 - NB Connector Flyover - Outer ST 535 to 538,8,
N,907415,584919,9,L73.11
N,907398,585004,7.5,L73.12
N,907396,585071,9.1,L73.13
N,907399,585131,10.1,L73.14
N,907408,585189,11.5,L73.15
L75 - NB Connector to Carmel Valley Road,9,
N,907408,585189,11.5,L75.1
N,907423,585248,14,L75.2

N,907445,585303,15.1,L75.3
N,907472,585357,16.8,L75.4
N,907506,585405,18.6,L75.5
L86 - SB Connector from Carmal Valley Road,10,
N,907339,585300,22.6,L86.1
N,907367,585341,23.5,L86.2
L86 - SB Connector from Carmal Valley Road,11,
N,907388,585362,23.9,L86.3
N,907430,585398,24.2,L86.4
N,907480,585433,23.5,L86.5
L25 - NB Carmel Valley Road Off-ramp,12,
N,907376,585006,7.8,L25.1
N,907364,585077,7.5,L25.2
N,907358,585149,7.8,L25.3
N,907353,585230,9.7,L25.4
N,907356,585269,9.4,L25.5
N,907373,585335,9,L25.6
L26 - SB Carmel Valley Road On-ramp,13,
N,907288,585200,7.7,L26.1
N,907270,585243,7.5,L26.2
L26 - SB Carmel Valley Road On-ramp,14,
N,907257,585271,7,L26.3
N,907239,585306,6.7,L26.4
L6 - SB General - Outer ST 538 to 550 (4 lanes),15,
N,907354,584907,9.4,L4.11
N,907333,585000,8.2,L4.12
N,907317,585082,8,L4.13
N,907307,585157,8.7,L4.14
N,907293,585257,11.5,L6.1
N,907286,585337,14,L6.2
N,907277,585441,17,L6.3
N,907272,585548,20,L6.4
N,907266,585647,23,L6.5
N,907259,585745,26,L6.6
L6 - SB General - Outer ST 538 to 550 (5 lanes),16,
N,907259,585745,26,L6.6
N,907255,585848,29,L6.7
N,907249,585945,32,L6.8
N,907243,586046,34.8,L6.9
N,907236,586140,37.7,L6.10
N,907222,586243,40.7,L6.11
N,907208,586342,43.8,L6.12
N,907194,586441,46.7,L6.13
N,907179,586537,49.7,L6.14
N,907164,586636,52.7,L6.15
L16 - SB General - Inner ST 538 to 550 (4 lanes),17,
N,907362,584910,9.4,L14.11
N,907342,585001,8.2,L14.12
N,907326,585085,8,L14.13
N,907315,585158,8.7,L14.14
N,907300,585260,11.5,L16.1
N,907291,585340,14,L16.2
N,907284,585442,17,L16.3
N,907278,585549,20,L16.4
N,907273,585648,23,L16.5
N,907268,585745,26,L16.6

L16 - SB General - Inner ST 538 to 550 (5 lanes),18,
N,907268,585745,26,L16.6
N,907263,585848,29,L16.7
N,907257,585946,32,L16.8
N,907251,586045,34.8,L16.9
N,907243,586141,37.7,L16.10
N,907231,586245,40.7,L16.11
N,907217,586344,43.8,L16.12
N,907202,586442,46.7,L16.13
N,907188,586537,49.7,L16.14
N,907173,586637,52.7,L16.15
L56 - SB HOV ST 538 to 550,19,
N,907307,585264,11.5,L56.1
N,907298,585346,14,L56.2
N,907292,585444,16.9,L56.3
N,907287,585549,20,L56.4
N,907281,585648,23,L56.5
N,907277,585746,26,L56.6
N,907271,585848,29,L56.7
N,907266,585946,32,L56.8
N,907261,586044,35,L56.9
N,907252,586142,38,L56.10
N,907239,586245,41,L56.11
N,907225,586345,44,L56.12
N,907211,586444,47,L56.13
N,907196,586539,50,L56.14
N,907181,586638,53,L56.15
L55 - NB HOV ST 538 to 550,20,
N,907318,585262,11.2,L55.1
N,907310,585348,14,L55.2
N,907303,585446,16.7,L55.3
N,907297,585550,20,L55.4
N,907292,585650,23,L55.5
N,907286,585749,26,L55.6
N,907281,585850,29,L55.7
N,907277,585946,32,L55.8
N,907271,586044,35,L55.9
N,907263,586141,38,L55.10
N,907251,586244,41,L55.11
N,907236,586347,44,L55.12
N,907221,586443,47,L55.13
N,907206,586543,50,L55.14
N,907192,586642,53,L55.15
L15 - NB General - Inner ST 538 to 550 (4 lanes),21,
N,907326,585264,11.2,L15.1
N,907319,585350,14,L15.2
N,907311,585447,16.7,L15.3
N,907305,585551,20,L15.4
N,907301,585651,23,L15.5
N,907296,585751,26,L15.6
L15 - NB General - Inner ST 538 to 550 (5 lanes),22,
N,907296,585751,26,L15.6
N,907290,585852,29,L15.7
N,907285,585947,32,L15.8
N,907279,586045,35.3,L15.9
N,907271,586141,38.2,L15.10

N,907258,586245,41.2,L15.11
N,907244,586348,44,L15.12
N,907230,586445,47,L15.13
N,907215,586545,49.9,L15.14
N,907200,586644,52.8,L15.15
L5 - NB General - Outer ST 538 to 550 (4 lanes),23,
N,907334,585266,11.2,L5.1
N,907325,585353,14,L5.2
N,907318,585447,16.7,L5.3
N,907313,585551,20,L5.4
N,907307,585652,23,L5.5
N,907301,585752,26,L5.6
L5 - NB General - Outer ST 538 to 550 (5 lanes),24,
N,907301,585752,26,L5.6
N,907298,585853,29,L5.7
N,907294,585948,32,L5.8
N,907288,586047,35.3,L5.9
N,907280,586143,38.2,L5.10
N,907267,586247,41.2,L5.11
N,907253,586351,44,L5.12
N,907238,586448,47,L5.13
N,907223,586548,49.9,L5.14
N,907209,586647,52.8,L5.15
L85 - NB Flyover over Carmel Valley Rd,25,
N,907388,585210,13.4,L85.1
N,907390,585270,14.2,L85.2
N,907388,585311,14.8,L85.3
N,907381,585347,15.4,L85.4
N,907363,585408,16.5,L85.5
N,907340,585471,16.9,L85.6
N,907328,585522,18.5,L85.7
N,907319,585581,19.7,L85.8
N,907314,585653,23,L85.9
N,907308,585752,26,L85.10
N,907298,585853,29,L85.11
L27 - NB Carmel Valley Road On-ramp,26,
N,907376,585438,8.6,L27.1
N,907365,585482,10,L27.2
N,907351,585545,14,L27.3
N,907337,585606,18,L27.4
N,907326,585674,22,L27.5
N,907316,585749,25.5,L27.6
N,907312,585816,27.5,L27.7
N,907306,585900,30,L27.8
N,907302,585952,32,L27.9
N,907295,586048,35.3,L27.10
L28 - SB Carmel Valley Rd Off-ramp,27,
N,907224,585339,6.7,L28.1A
N,907217,585380,7.5,L28.1
N,907222,585415,9,L28.2
N,907229,585466,11.9,L28.3
N,907238,585521,15,L28.4
N,907243,585588,19,L28.5
N,907245,585649,22,L28.6
N,907247,585716,24.5,L28.7
N,907249,585794,27,L28.8

N,907248,585848,29,L28.9
L28 - SB Aux Lane - Build only,28,
N,907248,585848,29,L28.9
N,907244,585944,31.7,L28.10
N,907237,586044,34.8,L28.11
N,907230,586139,37.7,L28.12
N,907217,586242,40.7,L28.13
N,907202,586341,43.8,L28.14
N,907189,586440,46.7,L28.15
N,907173,586536,49.7,L30.2
N,907158,586633,52.7,L30.3
N,907141,586731,55.4,L30.4
L76 - SB Flyover over Carmel Valley Rd,29,
N,907265,585218,17.5,L76.1
N,907264,585317,17.5,L76.2
N,907265,585418,17.3,L76.3
N,907265,585504,18.5,L76.4
N,907264,585592,21,L76.5
N,907260,585648,22.5,L76.6
N,907259,585745,25.7,L76.7
L29 - NB Aux Lane ST 546 to 555,30,
N,907295,586048,35.3,L29.1
N,907286,586144,38.2,L29.2
N,907274,586248,41.2,L29.3
N,907259,586354,44,L29.4,
N,907245,586450,46.9,L29.5,
N,907230,586549,49.9,L29.6,
N,907216,586649,52.8,L29.7,
B52 - Center Divider ST 536 to 537,1,2,0,0,
907356,585002,8.1,9.1,B52.8,
907339,585087,7.8,8.8,B52.9,
907327,585160,8.5,9.5,B52.10,
B53 - Center Divider ST 537 to 546,2,2,0,0,
907327,585160,8.5,9.5,B53.1,
907313,585261,11.5,12.5,B53.2,
907304,585346,14,15,B53.3,
907297,585444,16.9,17.9,B53.4,
907291,585550,20,21,B53.5,
907286,585649,27,28,B53.6,
907281,585746,26,27,B53.7,
907276,585850,29,30,B53.8,
907271,585946,32,33,B53.9,
907265,586044,35,36,B53.10,
B54 - Center Divider ST 546 to 555,3,2,0,0,
907265,586044,35,36,B54.1,
907256,586142,38,39,B54.2,
907244,586242,41,42,B54.3,
907230,586346,44,45,B54.4,
907215,586444,47,48,B54.5,
907201,586539,50,51,B54.6,
907186,586639,53,54,B54.7,
B2 - SB Shoulder of SB Flyover L76 Structure,4,92,0,0,
1,29
907261,585133,17,17,B2.1,
907258,585217,17.5,17.5,B2.2,
907258,585317,17.5,17.5,B2.3,

907258,585379,17.5,17.5,B2.4,
B2 - SB Shoulder of SB Flyover L76,5,2,0,0,
907258,585379,17.5,17.5,B2.4,
907258,585417,17.3,17.3,B2.5,
907258,585504,18.4,18.4,B2.6,
907257,585591,21,21,B2.7,
907255,585647,22.5,22.5,B2.8,
907253,585692,23.8,23.8,B2.9,
B1 - Building SB side at R4.1 - 4.2,6,2,0,0,
907128,585323,15,21,B1.1,
907155,585344,15.6,21.6,B1.2,
907167,585353,15.3,21.3,B1.3,
907176,585366,15.2,21.2,B1.4,
907192,585379,13.8,19.8,B1.5,
907202,585434,13.7,19.7,B1.6,
907163,585451,13.7,19.7,B1.7,
B1 - Nat Barrier next to building,7,2,0,0,
907202,585434,13.7,13.7,B1.6,
907192,585468,22.5,22.5,B3.2,
B3 - 6' to 7' Prop Wall SB side at Tennis Courts ,8,2,0,0,
907175,585473,22.5,25.5,B3.1,
907192,585468,22.5,25.5,B3.2,
907199,585508,23,26.0,B3.3,
907199,585508,23,26.0,B3.3,
907212,585560,24.5,27.5,B3.4,
907221,585599,26,29.0,B3.5,
907204,585603,26,29.0,B3.5A,
B3 - Exist Soundwall SB Side 7.5',9,2,0,0,
907221,585599,26,26,B3.5,
907210,585616,34,34,B3.6,
907210,585616,34,38.3,B3.6,
907217,585649,34,38.3,B3.7,
907219,585694,31.3,35.6,B3.7A,
B3 - Exist Soundwall SB Side 15' to 9',10,2,0,0,
907219,585694,31.3,35.9,B3.7A,
907220,585714,34.5,39.1,B3.8,
907223,585771,35,39.6,B3.9,
907225,585803,35.5,40.1,B4.1,
907226,585872,36,40.6,B4.2,
907226,585913,36.5,41.1,B4.3,
907223,585941,38,42.6,B4.4,
907223,585941,38,41.3,B4.4,
907221,585967,40,43.3,B4.5,
907217,585988,42.3,45.0,B4.6,
B4 - Glass Soundwall SB side 9' to 7',11,2,0,0,
907217,585988,42.3,46.0,B4.6,
907215,586007,43.7,47.4,B4.7,
907215,586007,43.7,47.4,B4.7,
907216,586040,44.8,48.5,B4.8,
907214,586091,45,48.7,B4.9,
907204,586124,50,53.7,B4.10,
B5 - Glass Soundwall SB Side 7',12,2,0,0,
907204,586124,50,54.3,B5.1,
907198,586162,52,56.3,B5.2,
907193,586200,54,58.3,B5.3,
907184,586259,57,61.3,B5.4,

907174,586320,59.5,63.8,B5.5,
907163,586378,63.5,67.8,B5.6,
907151,586438,65.5,69.8,B5.7,
907140,586498,67.5,71.8,B5.8,
907130,586570,68.5,72.8,B5.9,
907126,586611,69.3,73.6,B5.10,
R,1,67,4
907137,585462,26.1,R4.1
R,2,67,4
907189,585474,24.1,R4.2
R,3,67,4
907186,585578,30.1,R4.3
R,4,67,4
907217,585595,27.1,R4.4
R,5,67,4
907211,585653,36.1,R4.5
R,6,67,4
907194,585714,37.6,R4.6
R,7,67,4
907202,585804,38.2,R4.7
R,8,67,4
907191,585850,38.6,R4.8
R,9,67,4
907206,585947,40.4,R4.9
R,10,67,4
907157,585988,46.1,R4.10
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
04 - CARMEL VALLEY ROAD TO DEL MAR HEIGHTS SOUTH - DGN,DGN,FT,

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BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	-	3.*							B52.8	284.4	
2	-	3.*							B52.9	242.7	
3	-	3.*							B53.1	334.6	
4	-	3.*							B53.2	280.6	
5	-	3.*							B53.3	322.5	
6	-	3.*							B53.4	348.5	
7	-	3.*							B53.5	326.0	
8	-	3.*							B53.6	318.6	
9	-	3.*							B53.7	341.8	
10	-	3.*							B53.8	315.5	
11	-	3.*							B53.9	322.3	
12	-	3.*							B54.1	323.1	
13	-	3.*							B54.2	330.5	
14	-	3.*							B54.3	344.4	
15	-	3.*							B54.4	325.5	
16	-	3.*							B54.5	315.2	
17	-	3.*							B54.6	331.8	
18	-	0.*							B2.1	275.8	
19	-	0.*							B2.2	328.1	
20	-	0.*							B2.3	203.4	
21	-	0.*							B2.4	124.6	
22	-	0.*							B2.5	285.5	
23	-	0.*							B2.6	285.5	
24	-	0.*							B2.7	183.9	
25	-	0.*							B2.8	147.9	
26	-	20.*							B1.1	112.3	
27	-	20.*							B1.2	49.3	
28	-	20.*							B1.3	51.8	
29	-	20.*							B1.4	67.8	
30	-	20.*							B1.5	183.4	
31	-	20.*							B1.6	139.5	
32	-	0.*							B1.6	119.9	
33	-	10.*							B3.1	58.2	
34	-	10.*							B3.2	133.2	
35	-	10.*							B3.3	.0	
36	-	10.*							B3.3	175.9	

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37    - 10.*                    B3.4      131.5
38    - 10.*                    B3.5       57.3

39    -  0.*                   B3.5       71.4
40    -  7.*                   B3.6       14.2
41    - 14.*                    B3.6      110.7
42    - 14.*                    B3.7      148.0

43    - 15.*                    B3.7A      66.6
44    - 15.*                    B3.8      187.3
45    - 15.*                    B3.9      105.2
46    - 15.*                    B4.1      226.3
47    - 15.*                    B4.2      134.5
48    - 15.*                    B4.3       92.6
49    - 13.*                    B4.4        4.3
50    - 11.*                    B4.4       85.8
51    - 10.*                    B4.5       70.4

52    - 12.*                    B4.6       62.8
53    - 12.*                    B4.7         .0
54    - 12.*                    B4.7      108.4
55    - 12.*                    B4.8      167.4
56    - 12.*                    B4.9      114.3

57    - 14.*                    B5.1      126.4
58    - 14.*                    B5.2      125.8
59    - 14.*                    B5.3      196.1
60    - 14.*                    B5.4      202.9
61    - 14.*                    B5.5      194.1
62    - 14.*                    B5.6      200.9
63    - 14.*                    B5.7      200.2
64    - 14.*                    B5.8      238.6
65    - 14.*                    B5.9      135.2
--------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
------------------------------
 1  R4.1      67.    500.   71.3
 2  R4.2      67.    500.   67.0
 3  R4.3      67.    500.   72.2
 4  R4.4      67.    500.   66.4
 5  R4.5      67.    500.   67.4
 6  R4.6      67.    500.   67.5
 7  R4.7      67.    500.   66.5
 8  R4.8      67.    500.   65.5
 9  R4.9      67.    500.   67.1
10  R4.10     67.    500.   64.9
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0.
20.20.20.20.20.20. 0.10.10.10.10.10.10. 0. 7.14.14.15.15.15.15.15.15.13.11.
10.12.12.12.12.12.14.14.14.14.14.14.14.14.14.
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04 - Carmel Valley Road to Del Mar Heights NORTH- No Build,0,Ft,
T-L6 - SB General - Outer ST 538 to 550 (5 lanes),1
3209,65,88,65,305,65
T-L16 - SB General - Inner ST 538 to 550 (5 lanes),2
5271,65,132,65,0,65
T-L56 - SB HOV ST 538 to 550,3
1500,65,0,65,0,65
T-L55 - NB HOV ST 538 to 550,4
1500,65,0,65,0,65
T-L15 - NB General - Inner ST 538 to 550 (5 lanes),5
5271,65,132,65,0,65
T-L5 - NB General - Outer ST 538 to 550 (5 lanes),6
3209,65,88,65,305,65
T-L85 - NB Flyover over Carmel Valley Rd,7
2251,65,57,65,81,65
T-L27 - NB Carmel Valley Road On-ramp,8
143,45,4,45,4,45
T-L28 - SB Carmel Valley Rd Off-ramp,9
114,45,3,45,3,45
T-L28 - SB Aux Lane - Build only,10
0,65,0,65,0,65
T-L76 - SB Flyover over Carmel Valley Rd,11
2543,65,65,65,92,65
T-L30 - SB Del Mar Heights On-ramp,12
665,45,17,45,18,45
T-L32 - SB DelMar Hts Loop On-ramp,13
950,25,24,25,26,25
T-L8 - SB General - Outer ST 552 to 558 (5 lanes),14
3209,65,88,65,305,65
T-L18 - SB General - Inner ST 552 to 558 (5 lanes),15
5271,65,132,65,0,65
T-L58 - SB HOV ST 552 to 558,16
1500,65,0,65,0,65
T-L57 - NB HOV ST 552 to 558,17
1500,65,0,65,0,65
T-L17 - NB General - Inner ST 552 to 558 (5 lanes),18
5271,65,132,65,0,65
T-L7 - NB General - Outer St 552 to 558 (5 lanes),19
3209,65,88,65,305,65
T-L29 - NB Aux Lane ST 546 to 555,20
1696,65,44,65,61,65
T-L31 - NB Del Mar Hts Off-ramp,21
1273,45,32,45,35,45
T-L21 NB DEL MAR HEIGHTS ON-RAMP,22
950,45,24,45,26,45
T-L22 SB DEL MAR HEIGHTS OFF-RAMP ,23
950,45,24,45,26,45
L6 - SB General - Outer ST 538 to 550,1
N,907293,585257,11.5,L6.1
N,907286,585337,14,L6.2
N,907277,585441,17,L6.3
N,907272,585548,20,L6.4
N,907266,585647,23,L6.5
N,907259,585745,26,L6.6
N,907255,585848,29,L6.7
N,907249,585945,32,L6.8

N,907243,586046,34.8,L6.9
N,907236,586140,37.7,L6.10
N,907222,586243,40.7,L6.11
N,907208,586342,43.8,L6.12
N,907194,586441,46.7,L6.13
N,907179,586537,49.7,L6.14
N,907164,586636,52.7,L6.15
L16 - SB General - Inner ST 538 to 550,2,
N,907300,585260,11.5,L16.1
N,907291,585340,14,L16.2
N,907284,585442,17,L16.3
N,907278,585549,20,L16.4
N,907273,585648,23,L16.5
N,907268,585745,26,L16.6
N,907263,585848,29,L16.7
N,907257,585946,32,L16.8
N,907251,586045,34.8,L16.9
N,907243,586141,37.7,L16.10
N,907231,586245,40.7,L16.11
N,907217,586344,43.8,L16.12
N,907202,586442,46.7,L16.13
N,907188,586537,49.7,L16.14
N,907173,586637,52.7,L16.15
L56 - SB HOV ST 538 to 550,3,
N,907307,585264,11.5,L56.1
N,907298,585346,14,L56.2
N,907292,585444,16.9,L56.3
N,907287,585549,20,L56.4
N,907281,585648,23,L56.5
N,907277,585746,26,L56.6
N,907271,585848,29,L56.7
N,907266,585946,32,L56.8
N,907261,586044,35,L56.9
N,907252,586142,38,L56.10
N,907239,586245,41,L56.11
N,907225,586345,44,L56.12
N,907211,586444,47,L56.13
N,907196,586539,50,L56.14
N,907181,586638,53,L56.15
L55 - NB HOV ST 538 to 550,4,
N,907318,585262,11.2,L55.1
N,907310,585348,14,L55.2
N,907303,585446,16.7,L55.3
N,907297,585550,20,L55.4
N,907292,585650,23,L55.5
N,907286,585749,26,L55.6
N,907281,585850,29,L55.7
N,907277,585946,32,L55.8
N,907271,586044,35,L55.9
N,907263,586141,38,L55.10
N,907251,586244,41,L55.11
N,907236,586347,44,L55.12
N,907221,586443,47,L55.13
N,907206,586543,50,L55.14
N,907192,586642,53,L55.15
L15 - NB General - Inner ST 538 to 550,5,

N,907326,585264,11.2,L15.1
N,907319,585350,14,L15.2
N,907311,585447,16.7,L15.3
N,907305,585551,20,L15.4
N,907301,585651,23,L15.5
N,907296,585751,26,L15.6
N,907290,585852,29,L15.7
N,907285,585947,32,L15.8
N,907279,586045,35.3,L15.9
N,907271,586141,38.2,L15.10
N,907258,586245,41.2,L15.11
N,907244,586348,44,L15.12
N,907230,586445,47,L15.13
N,907215,586545,49.9,L15.14
N,907200,586644,52.8,L15.15
L5 - NB General - Outer ST 538 to 550,6,
N,907334,585266,11.2,L5.1
N,907325,585353,14,L5.2
N,907318,585447,16.7,L5.3
N,907313,585551,20,L5.4
N,907307,585652,23,L5.5
N,907301,585752,26,L5.6
N,907298,585853,29,L5.7
N,907294,585948,32,L5.8
N,907288,586047,35.3,L5.9
N,907280,586143,38.2,L5.10
N,907267,586247,41.2,L5.11
N,907253,586351,44,L5.12
N,907238,586448,47,L5.13
N,907223,586548,49.9,L5.14
N,907209,586647,52.8,L5.15
L85 - NB Flyover over Carmel Valley Rd,7,
N,907388,585210,7.5,L85.1
N,907390,585270,14,L85.2
N,907388,585311,22,L85.3
N,907381,585347,24,L85.4
N,907363,585408,24,L85.5
N,907340,585471,23,L85.6
N,907328,585522,22,L85.7
N,907319,585581,21,L85.8
N,907314,585653,23,L85.9
N,907308,585752,26,L85.10
N,907298,585853,29,L85.11
L27 - NB Carmel Valley Road On-ramp,8,
N,907376,585438,8.6,L27.1
N,907365,585482,10,L27.2
N,907351,585545,14,L27.3
N,907337,585606,18,L27.4
N,907326,585674,22,L27.5
N,907316,585749,25.5,L27.6
N,907312,585816,27.5,L27.7
N,907306,585900,30,L27.8
N,907302,585952,32,L27.9
N,907295,586048,35.3,L27.10
L28 - SB Carmel Valley Rd Off-ramp,9,
N,907224,585339,6.7,L28.1A

N,907217,585380,7.5,L28.1
N,907222,585415,9,L28.2
N,907229,585466,11.9,L28.3
N,907238,585521,15,L28.4
N,907243,585588,19,L28.5
N,907245,585649,22,L28.6
N,907247,585716,24.5,L28.7
N,907249,585794,27,L28.8
N,907248,585848,29,L28.9
L28 - SB Aux Lane,10,
N,907248,585848,29,L28.9
N,907244,585944,31.7,L28.10
N,907237,586044,34.8,L28.11
N,907230,586139,37.7,L28.12
N,907217,586242,40.7,L28.13
N,907202,586341,43.8,L28.14
N,907189,586440,46.7,L28.15
N,907173,586536,49.7,L30.2
N,907160,586635,52.7,L30.3
N,907144,586734,5.7,L30.4
L76 - SB Flyover over Carmel Valley Rd,11,
N,907265,585218,16,L76.1
N,907264,585317,16.7,L76.2
N,907265,585418,17.3,L76.3
N,907265,585504,18.5,L76.4
N,907264,585592,21,L76.5
N,907260,585648,22.5,L76.6
N,907259,585745,25.7,L76.7
L30 - SB Del Mar Heights On-ramp,12,
N,907144,586734,55.7,L30.4
N,907130,586816,58,L30.5
N,907115,586900,60.5,L30.6
N,907102,586967,63.8,L30.7
N,907082,587045,69.7,L30.8
N,907061,587122,76,L30.9
N,907051,587151,78.4,L30.10
N,907036,587175,80.7,L30.11
N,907010,587206,84,L30.12
N,906992,587228,86,L30.13
N,906980,587242,86.6,L30.14
L32 - SB DelMar Hts Loop On-ramp,13,
N,907089,587133,67.7,L32.1
N,907074,587206,70,L32.2
N,907058,587284,71.6,L32.3
N,907045,587344,72.2,L32.4
N,907029,587376,72.6,L32.5
N,906995,587389,74.8,L32.6
N,906964,587377,78,L32.7
N,906949,587355,80.4,L32.8
N,906950,587327,82.8,L32.9
N,906970,587283,86,L32.10
L8 - SB General - Outer ST 552 to 558,14,
N,907164,586636,52.7,L8.1
N,907150,586735,55.7,L8.2
N,907133,586832,58.7,L8.3
N,907118,586937,61.9,L8.4

N,907105,587030,64.7,L8.5
N,907089,587133,67.7,L8.6
N,907072,587236,70.7,L8.7
N,907055,587347,72.6,L2.1
N,907043,587425,72.8,L2.2
N,907028,587523,72.4,L2.3
N,907014,587623,70.5,L2.4
N,907000,587712,68,L2.5
L18 - SB General - Inner ST 552 to 558,15,
N,907173,586637,52.7,L18.1
N,907158,586736,55.7,L18.2
N,907144,586834,58.7,L18.3
N,907128,586938,61.9,L18.4
N,907115,587033,64.7,L18.5
N,907098,587135,67.7,L18.6
N,907083,587238,70.7,L18.7
N,907065,587348,72.6,L12.1
N,907053,587427,72.8,L12.2
N,907039,587525,72.4,L12.3
N,907025,587624,70.5,L12.4
N,907011,587712,68,L12.5
L58 - SB HOV ST 552 to 558,16,
N,907181,586638,53,L58.1
N,907167,586738,56,L58.2
N,907152,586835,59,L58.3
N,907137,586939,62,L58.4
N,907124,587034,65,L58.5
N,907107,587137,68,L58.6
N,907092,587240,71,L58.7
N,907074,587350,72.7,L52.1
N,907062,587428,73.2,L52.2
N,907047,587527,72.6,L52.3
N,907033,587626,70.6,L52.4
N,907020,587714,68,L52.5
L57 - NB HOV ST 552 to 558,17,
N,907192,586642,53,L57.1
N,907178,586740,56,L57.2
N,907164,586839,59,L57.3
N,907147,586940,62,L57.4
N,907133,587038,65,L57.5
N,907119,587136,68,L57.6
N,907103,587241,71,L57.7
N,907087,587351,72.8,L51.1
N,907074,587429,73.2,L51.2
N,907060,587528,72.6,L51.3
N,907045,587627,70.6,L51.4
N,907032,587716,68,L51.5
L17 - NB General - Inner ST 552 to 558,18,
N,907200,586644,52.8,L17.1
N,907186,586742,55.8,L17.2
N,907170,586840,58.8,L17.3
N,907156,586942,61.9,L17.4
N,907142,587039,64.8,L17.5
N,907127,587138,67.8,L17.6
N,907113,587243,70.8,L17.7
N,907094,587352,72.4,L11.1

N,907083,587430,72.8,L11.2
N,907069,587529,72.4,L11.3
N,907054,587628,70.5,L11.4
N,907041,587717,68,L11.5
L7 - NB General - Outer St 552 to 558,19,
N,907209,586647,52.8,L7.1
N,907194,586744,55.8,L7.2
N,907179,586842,58.8,L7.3
N,907165,586945,61.9,L7.4
N,907151,587042,64.8,L7.5
N,907138,587141,67.8,L7.6
N,907123,587246,70.8,L7.7
N,907105,587353,72.4,L1.1
N,907093,587432,72.8,L1.2
N,907080,587530,72.4,L1.3
N,907064,587630,70.5,L1.4
N,907050,587718,68,L1.5
L29 - NB Aux Lane ST 546 to 555,20,
N,907295,586048,35.3,L29.1
N,907286,586144,38.2,L29.2
N,907274,586248,41.2,L29.3
N,907259,586354,44,L29.4
N,907245,586450,46.9,L29.5
N,907230,586549,49.9,L29.6
N,907216,586649,52.8,L29.7
N,907201,586746,55.8,L29.8
N,907187,586841,58.8,L29.9
N,907172,586948,61.7,L29.10
L31 - NB Del Mar Hts Off-ramp,21,
N,907172,586948,61.7,L31.1
N,907167,587018,63.9,L31.2
N,907162,587077,65.5,L31.3
N,907159,587137,67.8,L31.4
N,907165,587196,71.4,L31.5
N,907181,587253,75.2,L31.6
N,907193,587298,77.5,L31.7
N,907188,587337,78.3,L31.8
L21 DEL MAR HEIGHTS ON-RAMP TO NB,22,
N,907165,587374,78.8,L21.1
N,907147,587406,77.8,L21.2
N,907109,587484,73.6,L21.3
N,907095,587540,72,L21.4
N,907082,587594,71,L21.5
N,907074,587635,70.3,L21.6
L22 SB OFF-RAMP TO DEL MAR HEIGHTS RD,23,
N,906943,587276,86.6,L22.1
N,906927,587314,85.8,L22.2
N,906925,587357,84.6,L22.3
N,906935,587395,82.9,L22.4
N,906951,587431,80.8,L22.5
N,906979,587485,77.8,L22.6
N,906994,587542,74.8,L22.7
N,906995,587601,71.7,L22.8
B53 - Center Divider ST 537 to 546,1,2,0,0
907313,585261,11.5,12.5,B53.2
907304,585346,14,15,B53.3

907297,585444,16.9,17.9,B53.4
907291,585550,20,21,B53.5
907286,585649,27,28,B53.6
907281,585746,26,27,B53.7
907276,585850,29,30,B53.8
907271,585946,32,33,B53.9
907265,586044,35,36,B53.10
B54 - Center Divider ST 546 to 555,2,2,0,0
907265,586044,35,36,B54.1
907256,586142,38,39,B54.2
907244,586242,41,42,B54.3
907230,586346,44,45,B54.4
907215,586444,47,48,B54.5
907201,586539,50,51,B54.6
907186,586639,53,54,B54.7
907171,586739,56,57,B54.8
907157,586836,59,60,B54.9
907141,586939,62,63,B54.10
B55 - Center Divider ST 555 to 558,3,2,0,0
907141,586939,62,63,B55.1
907128,587034,65,66,B55.2
907113,587135,68,69,B55.3
907098,587240,71,72,B55.4
907080,587351,72.7,73.7,B50.1
907068,587428,73.2,74.2,B50.2
907054,587527,72.6,73.6,B50.3
907039,587626,70.6,71.6,B50.4
907026,587714,68,69,B50.5
B3 - Exist Soundwall SB Side 15' to 9',4,2,0,0
907220,585714,34.5,39.1,B3.8
907223,585771,35,39.6,B3.9
907225,585803,35.5,40.1,B4.1
907226,585872,36,40.6,B4.2
907226,585913,36.5,41.1,B4.3
907223,585941,38,42.6,B4.4
907223,585941,38,41.3,B4.4
907221,585967,40,43.3,B4.5
907217,585988,42.3,45,B4.6
B4 - Exist Glass Soundwall SB side 9' to 7',5,2,0,0
907217,585988,42.3,45,B4.6
907215,586007,43.7,46.4,B4.7
907215,586007,43.7,45.8,B4.7
907216,586040,44.8,46.9,B4.8
907214,586091,45,47.1,B4.9
907204,586124,50,52.1,B4.10
B5 - Exist Glass Soundwall SB Side 7',6,2,0,0
907204,586124,50,52.1,B5.1
907198,586162,52,54.1,B5.2
907193,586200,54,56.1,B5.3
907184,586259,57,59.1,B5.4
907174,586320,60,62.1,B5.5
907163,586378,62.5,64.6,B5.6
907151,586438,65.5,67.6,B5.7
907140,586498,67.5,69.6,B5.8
907130,586570,68.5,70.6,B5.9
907126,586611,69.3,71.4,B5.10

B6 - Exist Glass Soundwall SB Side 7' ,7,2,0,0
907126,586611,69.3,71.4,B6.1
907118,586667,70.5,72.6,B6.2
907107,586740,72,74.1,B6.3
907099,586799,72.5,74.6,B6.4
907087,586879,74,76.1,B6.5
907076,586949,75,77.1,B6.6
907067,586997,77,79.1,B6.7
907059,587029,78,80.1,B6.8
907049,587058,79,81.1,B6.9
B6 - Nat Barrier below MFR,8,2,0,0
907049,587058,79,79,B6.9
907041,587069,84,84,B7.1
B7 - Nat Barrier Apt complex,9,2,0,0
907010,587023,84,84,B7.1A
907041,587069,84,84,B7.1
907028,587110,84,84,B7.2
907016,587153,86,86,B7.3
907002,587187,86,86,B7.4
906984,587209,86,86,B7.5
906970,587213,87.5,87.5,B7.6
906926,587212,89,89,B7.7
B18 - Nat Bar Inner edge of SB Del Mar HtsOn-ramp,10,2,0,0
907096,587012,67,67,B18.1
907079,587075,72,72,B18.2
907066,587123,76,76,B18.3
907057,587155,78.4,78.4,B18.4
907044,587182,80.7,80.7,B18.5
907018,587216,82.5,82.5,B18.6
906998,587231,84.5,84.5,B18.7
906979,587251,86.6,86.6,B18.8
B19 - Nat Bar Del Mar Hts Overcrossing SB side,11,2,0,0
906979,587251,86.6,86.6,B18.8
907009,587261,84.5,84.5,B18.9
907046,587277,82.5,82.5,B19.1
907042,587310,82,82,B19.2
907006,587293,83.8,83.8,B19.3
906987,587294,83.5,83.5,B19.4
906961,587317,82,82,B19.5
R,1,67,4
907213,586028,46.6,R4.11
R,2,67,4
907205,586109,49.5,R4.12
R,3,67,4
907185,586233,56.9,R4.13
R,4,67,4
907168,586325,61.8,R4.14
R,5,67,4
907153,586400,65.3,R4.15
R,6,67,4
907139,586480,68.6,R4.16
R,7,67,4
907126,586557,69.9,R4.17
R,8,67,4
907113,586650,71.7,R4.18
R,9,67,4

907102,586749,73.5,R4.19
R,10,67,4
907087,586841,74.7,R4.20
R,11,67,4
907070,586942,76.4,R4.21
R,12,67,4
907045,587032,79.9,R4.22
R,13,67,4
907019,587042,86,R4.22A
R,14,67,4
907031,587084,87.2,R4.23
R,15,67,4
906983,587205,88,R4.24
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
04 - CARMEL VALLEY ROAD TO DEL MAR HEIGHTS NORTH- NO BUILD,0,FT,

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	3.*							B53.2	280.6	
2	-	3.*							B53.3	322.5	
3	-	3.*							B53.4	348.5	
4	-	3.*							B53.5	326.0	
5	-	3.*							B53.6	318.6	
6	-	3.*							B53.7	341.8	
7	-	3.*							B53.8	315.5	
8	-	3.*							B53.9	322.3	
9	-	3.*							B54.1	323.1	
10	-	3.*							B54.2	330.5	
11	-	3.*							B54.3	344.4	
12	-	3.*							B54.4	325.5	
13	-	3.*							B54.5	315.2	
14	-	3.*							B54.6	331.8	
15	-	3.*							B54.7	331.9	
16	-	3.*							B54.8	321.7	
17	-	3.*							B54.9	342.1	
18	-	3.*							B55.1	314.8	
19	-	3.*							B55.2	335.1	
20	-	3.*							B55.3	348.1	
21	-	3.*							B55.4	369.0	
22	-	3.*							B50.1	255.7	
23	-	3.*							B50.2	328.0	
24	-	3.*							B50.3	328.6	
25	-	3.*							B50.4	291.9	
26	-	15.*							B3.8	187.3	
27	-	15.*							B3.9	105.2	
28	-	15.*							B4.1	226.3	
29	-	15.*							B4.2	134.5	
30	-	15.*							B4.3	92.6	
31	-	13.*							B4.4	4.3	
32	-	11.*							B4.4	85.8	
33	-	10.*							B4.5	70.4	
34	-	9.*							B4.6	62.8	
35	-	8.*							B4.7	1.9	
36	-	7.*							B4.7	108.4	
37	-	7.*							B4.8	167.4	
38	-	7.*							B4.9	114.3	

39	-	7.*	B5.1	126.4
40	-	7.*	B5.2	125.8
41	-	7.*	B5.3	196.1
42	-	7.*	B5.4	203.0
43	-	7.*	B5.5	193.9
44	-	7.*	B5.6	201.0
45	-	7.*	B5.7	200.2
46	-	7.*	B5.8	238.6
47	-	7.*	B5.9	135.2
48	-	7.*	B6.1	185.6
49	-	7.*	B6.2	242.3
50	-	7.*	B6.3	195.4
51	-	7.*	B6.4	265.4
52	-	7.*	B6.5	232.5
53	-	7.*	B6.6	160.4
54	-	7.*	B6.7	108.3
55	-	7.*	B6.8	100.7
56	-	0.*	B6.9	47.5
57	-	0.*	B7.1A	182.0
58	-	0.*	B7.1	141.1
59	-	0.*	B7.2	146.6
60	-	0.*	B7.3	120.6
61	-	0.*	B7.4	93.2
62	-	0.*	B7.5	48.0
63	-	0.*	B7.6	144.5
64	-	0.*	B18.1	214.7
65	-	0.*	B18.2	163.7
66	-	0.*	B18.3	109.3
67	-	0.*	B18.4	98.6
68	-	0.*	B18.5	140.6
69	-	0.*	B18.6	82.3
70	-	0.*	B18.7	90.7
71	-	0.*	B18.8	104.0
72	-	0.*	B18.9	132.4
73	-	0.*	B19.1	109.1
74	-	0.*	B19.2	130.8
75	-	0.*	B19.3	62.5
76	-	0.*	B19.4	114.0

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0 1 2 3 4 5 6 7

1

REC	REC ID	DNL	PEOPLE	LEQ(CAL)
1	R4.11	67.	500.	74.4
2	R4.12	67.	500.	72.1
3	R4.13	67.	500.	68.6
4	R4.14	67.	500.	69.0
5	R4.15	67.	500.	68.7
6	R4.16	67.	500.	69.1
7	R4.17	67.	500.	68.3
8	R4.18	67.	500.	68.0

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 9  R4.19     67.    500.   68.8
10  R4.20     67.    500.   68.7
11  R4.21     67.    500.   68.7
12  R4.22     67.    500.   68.3
13  R4.22A    67.    500.   70.9
14  R4.23     67.    500.   77.0
15  R4.24     67.    500.   71.9
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
15.15.15.15.15.13.11.10. 9. 8. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7.
 7. 7. 7. 7. 7. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 0.
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04 - Carmel Valley Road to Del Mar Heights NORTH - Build,Bld,Ft,
T-L6 - SB General - Outer ST 538 to 550 (5 lanes),1
3209,65,88,65,305,65
T-L16 - SB General - Inner ST 538 to 550 (5 lanes),2
5271,65,132,65,0,65
T-L56 - SB HOV ST 538 to 550,3
3000,65,0,65,0,65
T-L55 - NB HOV ST 538 to 550,4
3000,65,0,65,0,65
T-L15 - NB General - Inner ST 538 to 550 (5 lanes),5
3514,65,88,65,0,65
T-L5 - NB General - Outer ST 538 to 550 (5 lanes),6
3209,65,88,65,305,65
T-L85 - NB Flyover over Carmel Valley Rd,7
2864,65,73,65,103,65
T-L27 - NB Carmel Valley Road On-ramp,8
950,45,24,45,26,45
T-L28 - SB Carmel Valley Rd Off-ramp,9
950,45,24,45,26,45
T-L28 - SB Aux Lane - Build only,10
1696,65,44,65,61,65
T-L76 - SB Flyover over Carmel Valley Rd,11
3109,65,79,65,112,65
T-L30 - SB Del Mar Heights On-ramp,12
950,45,24,45,26,45
T-L32 - SB DelMar Hts Loop On-ramp,13
950,25,24,25,26,25
T-L8 - SB General - Outer ST 552 to 558 (5 lanes),14
3209,65,88,65,305,65
T-L18 - SB General - Inner ST 552 to 558 (5 lanes),15
5271,65,132,65,0,65
T-L58 - SB HOV ST 552 to 558,16
3000,65,0,65,0,65
T-L57 - NB HOV ST 552 to 558,17
3000,65,0,65,0,65
T-L17 - NB General - Inner ST 552 to 558 (5 lanes),18
5271,65,132,65,0,65
T-L7 - NB General - Outer St 552 to 558 (5 lanes),19
3209,65,88,65,305,65
T-L29 - NB Aux Lane ST 546 to 555 (2 lanes),20
3392,65,88,65,122,65
T-L31 - NB Del Mar Hts Off-ramp,21
1900,45,48,45,52,45
T-L21 NB DEL MAR HEIGHTS ON-RAMP,22
950,45,24,45,26,45
T-L22 SB DEL MAR HEIGHTS OFF-RAMP ,23
1900,45,48,45,52,45
L6 - SB General - Outer ST 538 to 550,1
N,907293,585257,11.5,L6.1
N,907286,585337,14,L6.2
N,907277,585441,17,L6.3
N,907272,585548,20,L6.4
N,907266,585647,23,L6.5
N,907259,585745,26,L6.6
N,907255,585848,29,L6.7
N,907249,585945,32,L6.8

N,907243,586046,34.8,L6.9
N,907236,586140,37.7,L6.10
N,907222,586243,40.7,L6.11
N,907208,586342,43.8,L6.12
N,907194,586441,46.7,L6.13
N,907179,586537,49.7,L6.14
N,907164,586636,52.7,L6.15
L16 - SB General - Inner ST 538 to 550,2,
N,907300,585260,11.5,L16.1
N,907291,585340,14,L16.2
N,907284,585442,17,L16.3
N,907278,585549,20,L16.4
N,907273,585648,23,L16.5
N,907268,585745,26,L16.6
N,907263,585848,29,L16.7
N,907257,585946,32,L16.8
N,907251,586045,34.8,L16.9
N,907243,586141,37.7,L16.10
N,907231,586245,40.7,L16.11
N,907217,586344,43.8,L16.12
N,907202,586442,46.7,L16.13
N,907188,586537,49.7,L16.14
N,907173,586637,52.7,L16.15
L56 - SB HOV ST 538 to 550,3,
N,907307,585264,11.5,L56.1
N,907298,585346,14,L56.2
N,907292,585444,16.9,L56.3
N,907287,585549,20,L56.4
N,907281,585648,23,L56.5
N,907277,585746,26,L56.6
N,907271,585848,29,L56.7
N,907266,585946,32,L56.8
N,907261,586044,35,L56.9
N,907252,586142,38,L56.10
N,907239,586245,41,L56.11
N,907225,586345,44,L56.12
N,907211,586444,47,L56.13
N,907196,586539,50,L56.14
N,907181,586638,53,L56.15
L55 - NB HOV ST 538 to 550,4,
N,907318,585262,11.2,L55.1
N,907310,585348,14,L55.2
N,907303,585446,16.7,L55.3
N,907297,585550,20,L55.4
N,907292,585650,23,L55.5
N,907286,585749,26,L55.6
N,907281,585850,29,L55.7
N,907277,585946,32,L55.8
N,907271,586044,35,L55.9
N,907263,586141,38,L55.10
N,907251,586244,41,L55.11
N,907236,586347,44,L55.12
N,907221,586443,47,L55.13
N,907206,586543,50,L55.14
N,907192,586642,53,L55.15
L15 - NB General - Inner ST 538 to 550,5,

N,907326,585264,11.2,L15.1
N,907319,585350,14,L15.2
N,907311,585447,16.7,L15.3
N,907305,585551,20,L15.4
N,907301,585651,23,L15.5
N,907296,585751,26,L15.6
N,907290,585852,29,L15.7
N,907285,585947,32,L15.8
N,907279,586045,35.3,L15.9
N,907271,586141,38.2,L15.10
N,907258,586245,41.2,L15.11
N,907244,586348,44,L15.12
N,907230,586445,47,L15.13
N,907215,586545,49.9,L15.14
N,907200,586644,52.8,L15.15
L5 - NB General - Outer ST 538 to 550,6,
N,907334,585266,11.2,L5.1
N,907325,585353,14,L5.2
N,907318,585447,16.7,L5.3
N,907313,585551,20,L5.4
N,907307,585652,23,L5.5
N,907301,585752,26,L5.6
N,907298,585853,29,L5.7
N,907294,585948,32,L5.8
N,907288,586047,35.3,L5.9
N,907280,586143,38.2,L5.10
N,907267,586247,41.2,L5.11
N,907253,586351,44,L5.12
N,907238,586448,47,L5.13
N,907223,586548,49.9,L5.14
N,907209,586647,52.8,L5.15
L85 - NB Flyover over Carmel Valley Rd,7,
N,907388,585210,7.5,L85.1
N,907390,585270,14,L85.2
N,907388,585311,22,L85.3
N,907381,585347,24,L85.4
N,907363,585408,24,L85.5
N,907340,585471,23,L85.6
N,907328,585522,22,L85.7
N,907319,585581,21,L85.8
N,907314,585653,23,L85.9
N,907308,585752,26,L85.10
N,907298,585853,29,L85.11
L27 - NB Carmel Valley Road On-ramp,8,
N,907376,585438,8.6,L27.1
N,907365,585482,10,L27.2
N,907351,585545,14,L27.3
N,907337,585606,18,L27.4
N,907326,585674,22,L27.5
N,907316,585749,25.5,L27.6
N,907312,585816,27.5,L27.7
N,907306,585900,30,L27.8
N,907302,585952,32,L27.9
N,907295,586048,35.3,L27.10
L28 - SB Carmel Valley Rd Off-ramp,9,
N,907224,585339,6.7,L28.1A

N,907217,585380,7.5,L28.1
N,907222,585415,9,L28.2
N,907229,585466,11.9,L28.3
N,907238,585521,15,L28.4
N,907243,585588,19,L28.5
N,907245,585649,22,L28.6
N,907247,585716,24.5,L28.7
N,907249,585794,27,L28.8
N,907248,585848,29,L28.9
L28 - SB Aux Lane,10,
N,907248,585848,29,L28.9
N,907244,585944,31.7,L28.10
N,907237,586044,34.8,L28.11
N,907230,586139,37.7,L28.12
N,907217,586242,40.7,L28.13
N,907202,586341,43.8,L28.14
N,907189,586440,46.7,L28.15
N,907173,586536,49.7,L30.2
N,907158,586633,52.7,L30.3
N,907141,586731,55.4,L30.4
L76 - SB Flyover over Carmel Valley Rd,11,
N,907265,585218,16,L76.1
N,907264,585317,16.7,L76.2
N,907265,585418,17.3,L76.3
N,907265,585504,18.5,L76.4
N,907264,585592,21,L76.5
N,907260,585648,22.5,L76.6
N,907259,585745,25.7,L76.7
L30 - SB Del Mar Heights On-ramp,12,
N,907141,586731,55.4,L30.4
N,907123,586830,58.3,L30.5
N,907099,586927,61.7,L30.6
N,907078,587024,68.6,L30.7
N,907055,587121,76.6,L30.8
N,907036,587166,80.5,L30.9
N,907009,587204,84.5,L30.10
N,906980,587240,86.5,L30.11
L32 - SB DelMar Hts Loop On-ramp,13,
N,907089,587133,67.7,L32.1
N,907070,587226,70.4,L32.2
N,907052,587325,72.2,L32.3
N,907039,587377,72.5,L32.4
N,907016,587409,73.1,L32.5
N,906986,587415,74.5,L32.6
N,906957,587400,77.3,L32.7
N,906946,587368,80.5,L32.8
N,906947,587339,82.8,L32.9
N,906972,587281,86.4,L32.10
L8 - SB General - Outer ST 552 to 558,14,
N,907164,586636,52.7,L8.1
N,907150,586735,55.7,L8.2
N,907133,586832,58.7,L8.3
N,907118,586937,61.9,L8.4
N,907105,587030,64.7,L8.5
N,907089,587133,67.7,L8.6
N,907072,587236,70.7,L8.7

N,907055,587347,72.6,L2.1
N,907043,587425,72.8,L2.2
N,907028,587523,72.4,L2.3
N,907014,587623,70.5,L2.4
N,907000,587712,68,L2.5
L18 - SB General - Inner ST 552 to 558,15,
N,907173,586637,52.7,L18.1
N,907158,586736,55.7,L18.2
N,907144,586834,58.7,L18.3
N,907128,586938,61.9,L18.4
N,907115,587033,64.7,L18.5
N,907098,587135,67.7,L18.6
N,907083,587238,70.7,L18.7
N,907065,587348,72.6,L12.1
N,907053,587427,72.8,L12.2
N,907039,587525,72.4,L12.3
N,907025,587624,70.5,L12.4
N,907011,587712,68,L12.5
L58 - SB HOV ST 552 to 558,16,
N,907181,586638,53,L58.1
N,907167,586738,56,L58.2
N,907152,586835,59,L58.3
N,907137,586939,62,L58.4
N,907124,587034,65,L58.5
N,907107,587137,68,L58.6
N,907092,587240,71,L58.7
N,907074,587350,72.7,L52.1
N,907062,587428,73.2,L52.2
N,907047,587527,72.6,L52.3
N,907033,587626,70.6,L52.4
N,907020,587714,68,L52.5
L57 - NB HOV ST 552 to 558,17,
N,907192,586642,53,L57.1
N,907178,586740,56,L57.2
N,907164,586839,59,L57.3
N,907147,586940,62,L57.4
N,907133,587038,65,L57.5
N,907119,587136,68,L57.6
N,907103,587241,71,L57.7
N,907087,587351,72.8,L51.1
N,907074,587429,73.2,L51.2
N,907060,587528,72.6,L51.3
N,907045,587627,70.6,L51.4
N,907032,587716,68,L51.5
L17 - NB General - Inner ST 552 to 558,18,
N,907200,586644,52.8,L17.1
N,907186,586742,55.8,L17.2
N,907170,586840,58.8,L17.3
N,907156,586942,61.9,L17.4
N,907142,587039,64.8,L17.5
N,907127,587138,67.8,L17.6
N,907113,587243,70.8,L17.7
N,907094,587352,72.4,L11.1
N,907083,587430,72.8,L11.2
N,907069,587529,72.4,L11.3
N,907054,587628,70.5,L11.4

N,907041,587717,68,L11.5
L7 - NB General - Outer St 552 to 558,19,
N,907209,586647,52.8,L7.1
N,907194,586744,55.8,L7.2
N,907179,586842,58.8,L7.3
N,907165,586945,61.9,L7.4
N,907151,587042,64.8,L7.5
N,907138,587141,67.8,L7.6
N,907123,587246,70.8,L7.7
N,907105,587353,72.4,L1.1
N,907093,587432,72.8,L1.2
N,907080,587530,72.4,L1.3
N,907064,587630,70.5,L1.4
N,907050,587718,68,L1.5
L29 - NB Aux Lane ST 546 to 555,20,
N,907295,586048,35.3,L29.1
N,907286,586144,38.2,L29.2
N,907274,586248,41.2,L29.3
N,907259,586354,44,L29.4
N,907245,586450,46.9,L29.5
N,907230,586549,49.9,L29.6
N,907216,586649,52.8,L29.7
N,907201,586746,55.8,L29.8
N,907187,586841,58.8,L29.9
N,907172,586948,61.7,L29.10
L31 - NB Del Mar Hts Off-ramp,21,
N,907172,586948,61.7,L31.1
N,907167,587018,63.9,L31.2
N,907162,587077,65.5,L31.3
N,907159,587137,67.8,L31.4
N,907165,587196,71.4,L31.5
N,907181,587253,75.2,L31.6
N,907193,587298,77.5,L31.7
N,907188,587337,78.3,L31.8
L21 DEL MAR HEIGHTS ON-RAMP TO NB,22,
N,907169,587371,78.6,L21.1
N,907132,587441,76,L21.2
N,907115,587476,75,L21.3
N,907101,587536,71.9,L21.4
N,907082,587632,70,L21.5
N,907062,587730,67.1,L21.6,
L22 SB OFF-RAMP TO DEL MAR HEIGHTS RD,23
N,906958,587277,86.6,L22.1,
N,906934,587334,85.3,L22.2,
N,906931,587375,83.4,L22.3,
N,906944,587414,81.5,L22.4,
N,906993,587523,75.5,L22.5,
N,906998,587581,72.5,L22.6,
N,906989,587720,67.2,L22.7,
N,906981,587810,64.9,L22.8,
B53 - Center Divider ST 537 to 546,1,2,0,0,
907313,585261,11.5,12.5,B53.2,
907304,585346,14,15,B53.3,
907297,585444,16.9,17.9,B53.4,
907291,585550,20,21,B53.5,
907286,585649,27,28,B53.6,

907281,585746,26,27,B53.7,
907276,585850,29,30,B53.8,
907271,585946,32,33,B53.9,
907265,586044,35,36,B53.10,
B54 - Center Divider ST 546 to 555,2,2,0,0,
907265,586044,35,36,B54.1,
907256,586142,38,39,B54.2,
907244,586242,41,42,B54.3,
907230,586346,44,45,B54.4,
907215,586444,47,48,B54.5,
907201,586539,50,51,B54.6,
907186,586639,53,54,B54.7,
907171,586739,56,57,B54.8,
907157,586836,59,60,B54.9,
907141,586939,62,63,B54.10,
B55 - Center Divider ST 555 to 558,3,2,0,0,
907141,586939,62,63,B55.1,
907128,587034,65,66,B55.2,
907113,587135,68,69,B55.3,
907098,587240,71,72,B55.4,
907080,587351,72.7,73.7,B50.1,
907068,587428,73.2,74.2,B50.2,
907054,587527,72.6,73.6,B50.3,
907039,587626,70.6,71.6,B50.4,
907026,587714,68,69,B50.5,
B3 - Exist Soundwall SB Side 15' to 9',4,2,0,0,
907220,585714,34.5,39.1,B3.8,
907223,585771,35,39.6,B3.9,
907225,585803,35.5,40.1,B4.1,
907226,585872,36,40.6,B4.2,
907226,585913,36.5,41.1,B4.3,
907223,585941,38,42.6,B4.4,
907223,585941,38,41.3,B4.4,
907221,585967,40,43.3,B4.5,
907217,585988,42.3,45,B4.6,
B4 - Exist Glass Soundwall SB side 9' to 7',5,2,0,0,
907217,585988,42.3,45,B4.6,
907215,586007,43.7,46.4,B4.7,
907215,586007,43.7,45.8,B4.7,
907216,586040,44.8,46.9,B4.8,
907214,586091,45,47.1,B4.9,
907204,586124,50,52.1,B4.10,
B5 - Exist Glass Soundwall SB Side 7',6,2,0,0,
907204,586124,50,52.1,B5.1,
907198,586162,52,54.1,B5.2,
907193,586200,54,56.1,B5.3,
907184,586259,57,59.1,B5.4,
907174,586320,60,62.1,B5.5,
907163,586378,62.5,64.6,B5.6,
907151,586438,65.5,67.6,B5.7,
907140,586498,67.5,69.6,B5.8,
907130,586570,68.5,70.6,B5.9,
907126,586611,69.3,71.4,B5.10,
B6 - Exist Glass Soundwall SB Side 7' ,7,2,0,0,
907126,586611,69.3,71.4,B6.1,
907118,586667,70.5,72.6,B6.2,

907107,586740,72,74.1,B6.3,
907099,586799,72.5,74.6,B6.4,
907087,586879,74,76.1,B6.5,
907076,586949,75,77.1,B6.6,
907067,586997,77,79.1,B6.7,
907059,587029,78,80.1,B6.8,
907049,587058,79,81.1,B6.9,
B6 - Nat Barrier below MFR,8,2,0,0,
907049,587058,79,79,B6.9,
907041,587069,84,84,B7.1,
B7 - Nat Barrier Apt complex,9,2,0,0,
907010,587023,84,84,B7.1A,
907041,587069,84,84,B7.1,
907028,587110,84,84,B7.2,
907016,587153,86,86,B7.3,
907002,587187,86,86,B7.4,
906984,587209,86,86,B7.5,
906970,587213,87.5,87.5,B7.6,
906926,587212,89,89,B7.7,
B18 - Nat Bar Inner edge of SB Del Mar HtsOn-ramp,10,2,0,0,
907096,587012,67,67,B18.1,
907079,587075,72,72,B18.2,
907066,587123,76,76,B18.3,
907057,587155,78.4,78.4,B18.4,
907044,587182,80.7,80.7,B18.5,
907018,587216,82.5,82.5,B18.6,
906998,587231,84.5,84.5,B18.7,
906979,587251,86.6,86.6,B18.8,
B19 - Nat Bar Del Mar Hts Overcrossing SB side,11,2,0,0,
906979,587251,86.6,86.6,B18.8,
907009,587261,84.5,84.5,B18.9,
907046,587277,82.5,82.5,B19.1,
907042,587310,82,82,B19.2,
907006,587293,83.8,83.8,B19.3,
906987,587294,83.5,83.5,B19.4,
906961,587317,82,82,B19.5,
R,1,67,4
907213,586028,46.6,R4.11
R,2,67,4
907205,586109,49.5,R4.12
R,3,67,4
907185,586233,56.9,R4.13
R,4,67,4
907168,586325,61.8,R4.14
R,5,67,4
907153,586400,65.3,R4.15
R,6,67,4
907139,586480,68.6,R4.16
R,7,67,4
907126,586557,69.9,R4.17
R,8,67,4
907113,586650,71.7,R4.18
R,9,67,4
907102,586749,73.5,R4.19
R,10,67,4
907087,586841,74.7,R4.20

R,11,67,4
907070,586942,76.4,R4.21
R,12,67,4
907045,587032,79.9,R4.22
R,13,67,4
907019,587042,86,R4.22A
R,14,67,4
907031,587084,87.2,R4.23
R,15,67,4
906983,587205,88,R4.24
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
04 - CARMEL VALLEY ROAD TO DEL MAR HEIGHTS NORTH - BUILD,BLD,FT,

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BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	-	3.*							B53.2	280.6	
2	-	3.*							B53.3	322.5	
3	-	3.*							B53.4	348.5	
4	-	3.*							B53.5	326.0	
5	-	3.*							B53.6	318.6	
6	-	3.*							B53.7	341.8	
7	-	3.*							B53.8	315.5	
8	-	3.*							B53.9	322.3	
9	-	3.*							B54.1	323.1	
10	-	3.*							B54.2	330.5	
11	-	3.*							B54.3	344.4	
12	-	3.*							B54.4	325.5	
13	-	3.*							B54.5	315.2	
14	-	3.*							B54.6	331.8	
15	-	3.*							B54.7	331.9	
16	-	3.*							B54.8	321.7	
17	-	3.*							B54.9	342.1	
18	-	3.*							B55.1	314.8	
19	-	3.*							B55.2	335.1	
20	-	3.*							B55.3	348.1	
21	-	3.*							B55.4	369.0	
22	-	3.*							B50.1	255.7	
23	-	3.*							B50.2	328.0	
24	-	3.*							B50.3	328.6	
25	-	3.*							B50.4	291.9	
26	-	15.*							B3.8	187.3	
27	-	15.*							B3.9	105.2	
28	-	15.*							B4.1	226.3	
29	-	15.*							B4.2	134.5	
30	-	15.*							B4.3	92.6	
31	-	13.*							B4.4	4.3	
32	-	11.*							B4.4	85.8	
33	-	10.*							B4.5	70.4	
34	-	9.*							B4.6	62.8	
35	-	8.*							B4.7	1.9	
36	-	7.*							B4.7	108.4	
37	-	7.*							B4.8	167.4	
38	-	7.*							B4.9	114.3	

39	-	7.*	B5.1	126.4
40	-	7.*	B5.2	125.8
41	-	7.*	B5.3	196.1
42	-	7.*	B5.4	203.0
43	-	7.*	B5.5	193.9
44	-	7.*	B5.6	201.0
45	-	7.*	B5.7	200.2
46	-	7.*	B5.8	238.6
47	-	7.*	B5.9	135.2
48	-	7.*	B6.1	185.6
49	-	7.*	B6.2	242.3
50	-	7.*	B6.3	195.4
51	-	7.*	B6.4	265.4
52	-	7.*	B6.5	232.5
53	-	7.*	B6.6	160.4
54	-	7.*	B6.7	108.3
55	-	7.*	B6.8	100.7
56	-	0.*	B6.9	47.5
57	-	0.*	B7.1A	182.0
58	-	0.*	B7.1	141.1
59	-	0.*	B7.2	146.6
60	-	0.*	B7.3	120.6
61	-	0.*	B7.4	93.2
62	-	0.*	B7.5	48.0
63	-	0.*	B7.6	144.5
64	-	0.*	B18.1	214.7
65	-	0.*	B18.2	163.7
66	-	0.*	B18.3	109.3
67	-	0.*	B18.4	98.6
68	-	0.*	B18.5	140.6
69	-	0.*	B18.6	82.3
70	-	0.*	B18.7	90.7
71	-	0.*	B18.8	104.0
72	-	0.*	B18.9	132.4
73	-	0.*	B19.1	109.1
74	-	0.*	B19.2	130.8
75	-	0.*	B19.3	62.5
76	-	0.*	B19.4	114.0

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0 1 2 3 4 5 6 7

1

REC	REC ID	DNL	PEOPLE	LEQ(CAL)
1	R4.11	67.	500.	75.1
2	R4.12	67.	500.	72.8
3	R4.13	67.	500.	69.3
4	R4.14	67.	500.	69.7
5	R4.15	67.	500.	69.4
6	R4.16	67.	500.	69.9
7	R4.17	67.	500.	69.1
8	R4.18	67.	500.	68.8

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 9  R4.19     67.    500.   69.6
10  R4.20     67.    500.   69.3
11  R4.21     67.    500.   69.3
12  R4.22     67.    500.   68.9
13  R4.22A    67.    500.   71.4
14  R4.23     67.    500.   77.6
15  R4.24     67.    500.   72.8
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
15.15.15.15.15.13.11.10. 9. 8. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7.
 7. 7. 7. 7. 7. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 0.
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04 - Carmel Valley Road to Del Mar Heights NORTH - Build,DGN,ft,
T-L6 - SB General - Outer ST 538 to 550 (5 lanes),1
3209,65,88,65,305,65
T-L16 - SB General - Inner ST 538 to 550 (5 lanes),2
5271,65,132,65,0,65
T-L56 - SB HOV ST 538 to 550,3
3000,65,0,65,0,65
T-L55 - NB HOV ST 538 to 550,4
3000,65,0,65,0,65
T-L15 - NB General - Inner ST 538 to 550 (5 lanes),5
3514,65,88,65,0,65
T-L5 - NB General - Outer ST 538 to 550 (5 lanes),6
3209,65,88,65,305,65
T-L85 - NB Flyover over Carmel Valley Rd,7
2864,65,73,65,103,65
T-L27 - NB Carmel Valley Road On-ramp,8
950,45,24,45,26,45
T-L28 - SB Carmel Valley Rd Off-ramp,9
950,45,24,45,26,45
T-L28 - SB Aux Lane - Build only,10
1696,65,44,65,61,65
T-L76 - SB Flyover over Carmel Valley Rd,11
3109,65,79,65,112,65
T-L30 - SB Del Mar Heights On-ramp,12
950,45,24,45,26,45
T-L32 - SB DelMar Hts Loop On-ramp,13
950,25,24,25,26,25
T-L8 - SB General - Outer ST 552 to 558 (5 lanes),14
3209,65,88,65,305,65
T-L18 - SB General - Inner ST 552 to 558 (5 lanes),15
5271,65,132,65,0,65
T-L58 - SB HOV ST 552 to 558,16
3000,65,0,65,0,65
T-L57 - NB HOV ST 552 to 558,17
3000,65,0,65,0,65
T-L17 - NB General - Inner ST 552 to 558 (5 lanes),18
5271,65,132,65,0,65
T-L7 - NB General - Outer St 552 to 558 (5 lanes),19
3209,65,88,65,305,65
T-L29 - NB Aux Lane ST 546 to 555 (2 lanes),20
3392,65,88,65,122,65
T-L31 - NB Del Mar Hts Off-ramp,21
1900,45,48,45,52,45
T-L21 NB DEL MAR HEIGHTS ON-RAMP,22
950,45,24,45,26,45
T-L22 SB DEL MAR HEIGHTS OFF-RAMP ,23
1900,45,48,45,52,45
L6 - SB General - Outer ST 538 to 550,1
N,907293,585257,11.5,L6.1
N,907286,585337,14,L6.2
N,907277,585441,17,L6.3
N,907272,585548,20,L6.4
N,907266,585647,23,L6.5
N,907259,585745,26,L6.6
N,907255,585848,29,L6.7
N,907249,585945,32,L6.8

N,907243,586046,34.8,L6.9
N,907236,586140,37.7,L6.10
N,907222,586243,40.7,L6.11
N,907208,586342,43.8,L6.12
N,907194,586441,46.7,L6.13
N,907179,586537,49.7,L6.14
N,907164,586636,52.7,L6.15
L16 - SB General - Inner ST 538 to 550,2,
N,907300,585260,11.5,L16.1
N,907291,585340,14,L16.2
N,907284,585442,17,L16.3
N,907278,585549,20,L16.4
N,907273,585648,23,L16.5
N,907268,585745,26,L16.6
N,907263,585848,29,L16.7
N,907257,585946,32,L16.8
N,907251,586045,34.8,L16.9
N,907243,586141,37.7,L16.10
N,907231,586245,40.7,L16.11
N,907217,586344,43.8,L16.12
N,907202,586442,46.7,L16.13
N,907188,586537,49.7,L16.14
N,907173,586637,52.7,L16.15
L56 - SB HOV ST 538 to 550,3,
N,907307,585264,11.5,L56.1
N,907298,585346,14,L56.2
N,907292,585444,16.9,L56.3
N,907287,585549,20,L56.4
N,907281,585648,23,L56.5
N,907277,585746,26,L56.6
N,907271,585848,29,L56.7
N,907266,585946,32,L56.8
N,907261,586044,35,L56.9
N,907252,586142,38,L56.10
N,907239,586245,41,L56.11
N,907225,586345,44,L56.12
N,907211,586444,47,L56.13
N,907196,586539,50,L56.14
N,907181,586638,53,L56.15
L55 - NB HOV ST 538 to 550,4,
N,907318,585262,11.2,L55.1
N,907310,585348,14,L55.2
N,907303,585446,16.7,L55.3
N,907297,585550,20,L55.4
N,907292,585650,23,L55.5
N,907286,585749,26,L55.6
N,907281,585850,29,L55.7
N,907277,585946,32,L55.8
N,907271,586044,35,L55.9
N,907263,586141,38,L55.10
N,907251,586244,41,L55.11
N,907236,586347,44,L55.12
N,907221,586443,47,L55.13
N,907206,586543,50,L55.14
N,907192,586642,53,L55.15
L15 - NB General - Inner ST 538 to 550,5,

N,907326,585264,11.2,L15.1
N,907319,585350,14,L15.2
N,907311,585447,16.7,L15.3
N,907305,585551,20,L15.4
N,907301,585651,23,L15.5
N,907296,585751,26,L15.6
N,907290,585852,29,L15.7
N,907285,585947,32,L15.8
N,907279,586045,35.3,L15.9
N,907271,586141,38.2,L15.10
N,907258,586245,41.2,L15.11
N,907244,586348,44,L15.12
N,907230,586445,47,L15.13
N,907215,586545,49.9,L15.14
N,907200,586644,52.8,L15.15
L5 - NB General - Outer ST 538 to 550,6,
N,907334,585266,11.2,L5.1
N,907325,585353,14,L5.2
N,907318,585447,16.7,L5.3
N,907313,585551,20,L5.4
N,907307,585652,23,L5.5
N,907301,585752,26,L5.6
N,907298,585853,29,L5.7
N,907294,585948,32,L5.8
N,907288,586047,35.3,L5.9
N,907280,586143,38.2,L5.10
N,907267,586247,41.2,L5.11
N,907253,586351,44,L5.12
N,907238,586448,47,L5.13
N,907223,586548,49.9,L5.14
N,907209,586647,52.8,L5.15
L85 - NB Flyover over Carmel Valley Rd,7,
N,907388,585210,7.5,L85.1
N,907390,585270,14,L85.2
N,907388,585311,22,L85.3
N,907381,585347,24,L85.4
N,907363,585408,24,L85.5
N,907340,585471,23,L85.6
N,907328,585522,22,L85.7
N,907319,585581,21,L85.8
N,907314,585653,23,L85.9
N,907308,585752,26,L85.10
N,907298,585853,29,L85.11
L27 - NB Carmel Valley Road On-ramp,8,
N,907376,585438,8.6,L27.1
N,907365,585482,10,L27.2
N,907351,585545,14,L27.3
N,907337,585606,18,L27.4
N,907326,585674,22,L27.5
N,907316,585749,25.5,L27.6
N,907312,585816,27.5,L27.7
N,907306,585900,30,L27.8
N,907302,585952,32,L27.9
N,907295,586048,35.3,L27.10
L28 - SB Carmel Valley Rd Off-ramp,9,
N,907224,585339,6.7,L28.1A

N,907217,585380,7.5,L28.1
N,907222,585415,9,L28.2
N,907229,585466,11.9,L28.3
N,907238,585521,15,L28.4
N,907243,585588,19,L28.5
N,907245,585649,22,L28.6
N,907247,585716,24.5,L28.7
N,907249,585794,27,L28.8
N,907248,585848,29,L28.9
L28 - SB Aux Lane,10,
N,907248,585848,29,L28.9
N,907244,585944,31.7,L28.10
N,907237,586044,34.8,L28.11
N,907230,586139,37.7,L28.12
N,907217,586242,40.7,L28.13
N,907202,586341,43.8,L28.14
N,907189,586440,46.7,L28.15
N,907173,586536,49.7,L30.2
N,907158,586633,52.7,L30.3
N,907141,586731,55.4,L30.4
L76 - SB Flyover over Carmel Valley Rd,11,
N,907265,585218,16,L76.1
N,907264,585317,16.7,L76.2
N,907265,585418,17.3,L76.3
N,907265,585504,18.5,L76.4
N,907264,585592,21,L76.5
N,907260,585648,22.5,L76.6
N,907259,585745,25.7,L76.7
L30 - SB Del Mar Heights On-ramp,12,
N,907141,586731,55.4,L30.4
N,907123,586830,58.3,L30.5
N,907099,586927,61.7,L30.6
N,907078,587024,68.6,L30.7
N,907055,587121,76.6,L30.8
N,907036,587166,80.5,L30.9
N,907009,587204,84.5,L30.10
N,906980,587240,86.5,L30.11
L32 - SB DelMar Hts Loop On-ramp,13,
N,907089,587133,67.7,L32.1
N,907070,587226,70.4,L32.2
N,907052,587325,72.2,L32.3
N,907039,587377,72.5,L32.4
N,907016,587409,73.1,L32.5
N,906986,587415,74.5,L32.6
N,906957,587400,77.3,L32.7
N,906946,587368,80.5,L32.8
N,906947,587339,82.8,L32.9
N,906972,587281,86.4,L32.10
L8 - SB General - Outer ST 552 to 558,14,
N,907164,586636,52.7,L8.1
N,907150,586735,55.7,L8.2
N,907133,586832,58.7,L8.3
N,907118,586937,61.9,L8.4
N,907105,587030,64.7,L8.5
N,907089,587133,67.7,L8.6
N,907072,587236,70.7,L8.7

N,907055,587347,72.6,L2.1
N,907043,587425,72.8,L2.2
N,907028,587523,72.4,L2.3
N,907014,587623,70.5,L2.4
N,907000,587712,68,L2.5
L18 - SB General - Inner ST 552 to 558,15,
N,907173,586637,52.7,L18.1
N,907158,586736,55.7,L18.2
N,907144,586834,58.7,L18.3
N,907128,586938,61.9,L18.4
N,907115,587033,64.7,L18.5
N,907098,587135,67.7,L18.6
N,907083,587238,70.7,L18.7
N,907065,587348,72.6,L12.1
N,907053,587427,72.8,L12.2
N,907039,587525,72.4,L12.3
N,907025,587624,70.5,L12.4
N,907011,587712,68,L12.5
L58 - SB HOV ST 552 to 558,16,
N,907181,586638,53,L58.1
N,907167,586738,56,L58.2
N,907152,586835,59,L58.3
N,907137,586939,62,L58.4
N,907124,587034,65,L58.5
N,907107,587137,68,L58.6
N,907092,587240,71,L58.7
N,907074,587350,72.7,L52.1
N,907062,587428,73.2,L52.2
N,907047,587527,72.6,L52.3
N,907033,587626,70.6,L52.4
N,907020,587714,68,L52.5
L57 - NB HOV ST 552 to 558,17,
N,907192,586642,53,L57.1
N,907178,586740,56,L57.2
N,907164,586839,59,L57.3
N,907147,586940,62,L57.4
N,907133,587038,65,L57.5
N,907119,587136,68,L57.6
N,907103,587241,71,L57.7
N,907087,587351,72.8,L51.1
N,907074,587429,73.2,L51.2
N,907060,587528,72.6,L51.3
N,907045,587627,70.6,L51.4
N,907032,587716,68,L51.5
L17 - NB General - Inner ST 552 to 558,18,
N,907200,586644,52.8,L17.1
N,907186,586742,55.8,L17.2
N,907170,586840,58.8,L17.3
N,907156,586942,61.9,L17.4
N,907142,587039,64.8,L17.5
N,907127,587138,67.8,L17.6
N,907113,587243,70.8,L17.7
N,907094,587352,72.4,L11.1
N,907083,587430,72.8,L11.2
N,907069,587529,72.4,L11.3
N,907054,587628,70.5,L11.4

N,907041,587717,68,L11.5
L7 - NB General - Outer St 552 to 558,19,
N,907209,586647,52.8,L7.1
N,907194,586744,55.8,L7.2
N,907179,586842,58.8,L7.3
N,907165,586945,61.9,L7.4
N,907151,587042,64.8,L7.5
N,907138,587141,67.8,L7.6
N,907123,587246,70.8,L7.7
N,907105,587353,72.4,L1.1
N,907093,587432,72.8,L1.2
N,907080,587530,72.4,L1.3
N,907064,587630,70.5,L1.4
N,907050,587718,68,L1.5
L29 - NB Aux Lane ST 546 to 555,20,
N,907295,586048,35.3,L29.1
N,907286,586144,38.2,L29.2
N,907274,586248,41.2,L29.3
N,907259,586354,44,L29.4
N,907245,586450,46.9,L29.5
N,907230,586549,49.9,L29.6
N,907216,586649,52.8,L29.7
N,907201,586746,55.8,L29.8
N,907187,586841,58.8,L29.9
N,907172,586948,61.7,L29.10
L31 - NB Del Mar Hts Off-ramp,21,
N,907172,586948,61.7,L31.1
N,907167,587018,63.9,L31.2
N,907162,587077,65.5,L31.3
N,907159,587137,67.8,L31.4
N,907165,587196,71.4,L31.5
N,907181,587253,75.2,L31.6
N,907193,587298,77.5,L31.7
N,907188,587337,78.3,L31.8
L21 DEL MAR HEIGHTS ON-RAMP TO NB,22,
N,907169,587371,78.6,L21.1
N,907132,587441,76,L21.2
N,907115,587476,75,L21.3
N,907101,587536,71.9,L21.4
N,907082,587632,70,L21.5
N,907062,587730,67.1,L21.6,
L22 SB OFF-RAMP TO DEL MAR HEIGHTS RD,23
N,906958,587277,86.6,L22.1,
N,906934,587334,85.3,L22.2,
N,906931,587375,83.4,L22.3,
N,906944,587414,81.5,L22.4,
N,906993,587523,75.5,L22.5,
N,906998,587581,72.5,L22.6,
N,906989,587720,67.2,L22.7,
N,906981,587810,64.9,L22.8,
B53 - Center Divider ST 537 to 546,1,2,0,0,
907313,585261,11.5,12.5,B53.2,
907304,585346,14,15,B53.3,
907297,585444,16.9,17.9,B53.4,
907291,585550,20,21,B53.5,
907286,585649,27,28,B53.6,

907281,585746,26,27,B53.7,
907276,585850,29,30,B53.8,
907271,585946,32,33,B53.9,
907265,586044,35,36,B53.10,
B54 - Center Divider ST 546 to 555,2,2,0,0,
907265,586044,35,36,B54.1,
907256,586142,38,39,B54.2,
907244,586242,41,42,B54.3,
907230,586346,44,45,B54.4,
907215,586444,47,48,B54.5,
907201,586539,50,51,B54.6,
907186,586639,53,54,B54.7,
907171,586739,56,57,B54.8,
907157,586836,59,60,B54.9,
907141,586939,62,63,B54.10,
B55 - Center Divider ST 555 to 558,3,2,0,0,
907141,586939,62,63,B55.1,
907128,587034,65,66,B55.2,
907113,587135,68,69,B55.3,
907098,587240,71,72,B55.4,
907080,587351,72.7,73.7,B50.1,
907068,587428,73.2,74.2,B50.2,
907054,587527,72.6,73.6,B50.3,
907039,587626,70.6,71.6,B50.4,
907026,587714,68,69,B50.5,
B3 - Exist Soundwall SB Side 15' to 9',4,2,0,0,
907220,585714,34.5,39.1,B3.8,
907223,585771,35,39.6,B3.9,
907225,585803,35.5,40.1,B4.1,
907226,585872,36,40.6,B4.2,
907226,585913,36.5,41.1,B4.3,
907223,585941,38,42.6,B4.4,
907223,585941,38,41.3,B4.4,
907221,585967,40,43.3,B4.5,
907217,585988,42.3,45,B4.6,
B4 - Exist Glass Soundwall SB side 9' to 7',5,2,0,0,
907217,585988,42.3,46.0,B4.6,
907215,586007,43.7,47.4,B4.7,
907215,586007,43.7,47.4,B4.7,
907216,586040,44.8,48.5,B4.8,
907214,586091,45,48.7,B4.9,
907204,586124,50,53.7,B4.10,
B5 - Exist Glass Soundwall SB Side 7',6,2,0,0,
907204,586124,50,54.3,B5.1,
907198,586162,52,56.3,B5.2,
907193,586200,54,58.3,B5.3,
907184,586259,57,61.3,B5.4,
907174,586320,60,64.3,B5.5,
907163,586378,62.5,66.8,B5.6,
907151,586438,65.5,69.8,B5.7,
907140,586498,67.5,71.8,B5.8,
907130,586570,68.5,72.8,B5.9,
907126,586611,69.3,73.6,B5.10,
B6 - Exist Glass Soundwall SB Side 7' ,7,2,0,0,
907126,586611,69.3,73.6,B6.1,
907118,586667,70.5,74.8,B6.2,

907107,586740,72,76.3,B6.3,
907099,586799,72.5,76.8,B6.4,
907087,586879,74,78.3,B6.5,
907076,586949,75,79.3,B6.6,
907067,586997,77,81.3,B6.7,
907059,587029,78,82.3,B6.8,
907049,587058,79,83.3,B6.9,
B6 - Nat Barrier below MFR,8,2,0,0,
907049,587058,79,79,B6.9,
907041,587069,84,84,B7.1,
B7 - Nat Barrier Apt complex,8,2,0,0,
907010,587023,84,87.0,B7.1A,
907041,587069,84,87.0,B7.1,
907028,587110,84,87.0,B7.2,
907016,587153,86,89.0,B7.3,
907002,587187,86,89.0,B7.4,
906984,587209,86,89.0,B7.5,
906970,587213,87.5,90.5,B7.6,
906926,587212,89,92.0,B7.7,
B18 - Nat Bar Inner edge of SB Del Mar HtsOn-ramp,9,2,0,0,
907096,587012,67,67,B18.1,
907079,587075,72,72,B18.2,
907066,587123,76,76,B18.3,
907057,587155,78.4,78.4,B18.4,
907044,587182,80.7,80.7,B18.5,
907018,587216,82.5,82.5,B18.6,
906998,587231,84.5,84.5,B18.7,
906979,587251,86.6,86.6,B18.8,
B19 - Nat Bar Del Mar Hts Overcrossing SB side,10,2,0,0,
906979,587251,86.6,86.6,B18.8,
907009,587261,84.5,84.5,B18.9,
907046,587277,82.5,82.5,B19.1,
907042,587310,82,82,B19.2,
907006,587293,83.8,83.8,B19.3,
906987,587294,83.5,83.5,B19.4,
906961,587317,82,82,B19.5,
R,1,67,4
907213,586028,46.6,R4.11
R,2,67,4
907205,586109,49.5,R4.12
R,3,67,4
907185,586233,56.9,R4.13
R,4,67,4
907168,586325,61.8,R4.14
R,5,67,4
907153,586400,65.3,R4.15
R,6,67,4
907139,586480,68.6,R4.16
R,7,67,4
907126,586557,69.9,R4.17
R,8,67,4
907113,586650,71.7,R4.18
R,9,67,4
907102,586749,73.5,R4.19
R,10,67,4
907087,586841,74.7,R4.20

R,11,67,4
907070,586942,76.4,R4.21
R,12,67,4
907045,587032,79.9,R4.22
R,13,67,4
907019,587042,86,R4.22A
R,14,67,4
907031,587084,87.2,R4.23
R,15,67,4
906983,587205,88,R4.24
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
04 - CARMEL VALLEY ROAD TO DEL MAR HEIGHTS NORTH - BUILD,DGN,FT,

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	-	3.*							B53.2	280.6	
2	-	3.*							B53.3	322.5	
3	-	3.*							B53.4	348.5	
4	-	3.*							B53.5	326.0	
5	-	3.*							B53.6	318.6	
6	-	3.*							B53.7	341.8	
7	-	3.*							B53.8	315.5	
8	-	3.*							B53.9	322.3	
9	-	3.*							B54.1	323.1	
10	-	3.*							B54.2	330.5	
11	-	3.*							B54.3	344.4	
12	-	3.*							B54.4	325.5	
13	-	3.*							B54.5	315.2	
14	-	3.*							B54.6	331.8	
15	-	3.*							B54.7	331.9	
16	-	3.*							B54.8	321.7	
17	-	3.*							B54.9	342.1	
18	-	3.*							B55.1	314.8	
19	-	3.*							B55.2	335.1	
20	-	3.*							B55.3	348.1	
21	-	3.*							B55.4	369.0	
22	-	3.*							B50.1	255.7	
23	-	3.*							B50.2	328.0	
24	-	3.*							B50.3	328.6	
25	-	3.*							B50.4	291.9	
26	-	15.*							B3.8	187.3	
27	-	15.*							B3.9	105.2	
28	-	15.*							B4.1	226.3	
29	-	15.*							B4.2	134.5	
30	-	15.*							B4.3	92.6	
31	-	13.*							B4.4	4.3	
32	-	11.*							B4.4	85.8	
33	-	10.*							B4.5	70.4	
34	-	12.*							B4.6	62.8	
35	-	12.*							B4.7	.0	
36	-	12.*							B4.7	108.4	
37	-	12.*							B4.8	167.4	
38	-	12.*							B4.9	114.3	

39	-	14.*	B5.1	126.4
40	-	14.*	B5.2	125.8
41	-	14.*	B5.3	196.1
42	-	14.*	B5.4	203.0
43	-	14.*	B5.5	193.9
44	-	14.*	B5.6	201.0
45	-	14.*	B5.7	200.2
46	-	14.*	B5.8	238.6
47	-	14.*	B5.9	135.2
48	-	14.*	B6.1	185.6
49	-	14.*	B6.2	242.3
50	-	14.*	B6.3	195.4
51	-	14.*	B6.4	265.4
52	-	14.*	B6.5	232.5
53	-	14.*	B6.6	160.4
54	-	14.*	B6.7	108.3
55	-	14.*	B6.8	100.7
56	-	0.*	B6.9	47.5
57	-	10.*	B7.1A	182.0
58	-	10.*	B7.1	141.1
59	-	10.*	B7.2	146.6
60	-	10.*	B7.3	120.6
61	-	10.*	B7.4	93.2
62	-	10.*	B7.5	48.0
63	-	10.*	B7.6	144.5
64	-	0.*	B18.1	214.7
65	-	0.*	B18.2	163.7
66	-	0.*	B18.3	109.3
67	-	0.*	B18.4	98.6
68	-	0.*	B18.5	140.6
69	-	0.*	B18.6	82.3
70	-	0.*	B18.7	90.7
71	-	0.*	B18.8	104.0
72	-	0.*	B18.9	132.4
73	-	0.*	B19.1	109.1
74	-	0.*	B19.2	130.8
75	-	0.*	B19.3	62.5
76	-	0.*	B19.4	114.0

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0 1 2 3 4 5 6 7

1

REC	REC ID	DNL	PEOPLE	LEQ(CAL)
1	R4.11	67.	500.	68.1
2	R4.12	67.	500.	67.9
3	R4.13	67.	500.	64.3
4	R4.14	67.	500.	64.6
5	R4.15	67.	500.	64.3
6	R4.16	67.	500.	64.1
7	R4.17	67.	500.	64.0
8	R4.18	67.	500.	64.1

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 9  R4.19     67.    500.   63.7
10  R4.20     67.    500.   63.9
11  R4.21     67.    500.   64.0
12  R4.22     67.    500.   65.4
13  R4.22A    67.    500.   65.5
14  R4.23     67.    500.   71.2
15  R4.24     67.    500.   65.6
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
15.15.15.15.15.13.11.10.12.12.12.12.12.14.14.14.14.14.14.14.14.14.14.14.
14.14.14.14.14. 0.10.10.10.10.10.10.10. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 0.
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05 Del Mar Heights to Via Del Valle,WEST - No Build,0,Ft
T-L21 DEL MAR HEIGHTS ON-RAMP TO NB,1
950,45,24,45,26,45
T-L22 SB OFF-RAMP TO DEL MAR HEIGHTS RD,2
950,45,24,45,26,45
T-L8 - SB General - Outer ST 552 to 558,3
0,65,0,65,0,65
T-L2 SB OUTER MAIN LANE 559+30 - 573+00,4
0,65,0,65,0,65
T-L18 - SB General - Inner ST 552 to 558,5
6784,65,176,65,244,65
T-L12 SB INNER MAIN LANE 559+30 - 573+00,6
8480,65,220,65,305,65
T-L58 - SB HOV ST 552 to 558,7
1500,65,0,65,0,65
T-L52 SB HOV LANE 559+30 - 573+00,8
1500,65,0,65,0,65
T-L57 - NB HOV ST 552 to 558,9
1500,65,0,65,0,65
T-L51 NB HOV LANE 559+30 - 573+00,10
1500,65,0,65,0,65
T-L17 - NB General - Inner ST 552 to 558,11
8480,65,220,65,305,65
T-L11 NB INNER MAIN LANE 559+30 - 573+00,12
8480,65,220,65,305,65
T-L7 - NB General - Outer St 552 to 558,13
0,65,0,65,0,65
T-L1 NB OUTER MAIN LANE 559+30 - 573+00,14
0,65,0,65,0,65
T-L4 SB OUTER MAIN LANE 573+00 - 587+00,15
0,65,0,65,0,65
T-L14 SB INNER MAIN LANE 573+00 - 587+00,16
8480,65,220,65,305,65
T-L54 SB HOV LANE 573+00 - 587+00,17
1500,65,0,65,0,65
T-L53 NB HOV LANE 573+00 - 587+00,18
1500,65,0,65,0,65
T-L13 NB INNER MAIN LANE 573+00 - 587+00,19
8480,65,220,65,305,65
T-L3 NB OUTER MAIN LANE 573+00 - 587+00,20
0,65,0,65,0,65
T-L32 - SB Del Mar Heights On-ramp (Loop),21
950,25,24,25,26,25
T-L30 - SB Del Mar Heights On-ramp,22
665,45,17,45,18,45
T-L31 - NB Del Mar Hts Off-ramp,23
1273,45,32,45,35,45
L21 DEL MAR HEIGHTS ON-RAMP TO NB,1
N,907165,587374,78.8,L21.1
N,907147,587406,77.8,L21.2
N,907109,587484,73.6,L21.3
N,907095,587540,72,L21.4
N,907082,587594,71,L21.5
N,907074,587635,70.3,L21.6
N,907063,587691,68.6,L21.7
N,907054,587750,66.9,L21.8

N,907044,587821,64.9,L21.9
N,907030,587919,62.4,L21.10
N,907015,588019,58.8,L21.11
N,907002,588120,55.8,L21.12
N,906981,588221,53.1,L21.13
L22 SB OFF-RAMP TO DEL MAR HEIGHTS RD,2,
N,906943,587276,86.6,L22.1
N,906927,587314,85.8,L22.2
N,906925,587357,84.6,L22.3
N,906935,587395,82.9,L22.4
N,906951,587431,80.8,L22.5
N,906979,587485,77.8,L22.6
N,906994,587542,74.8,L22.7
N,906995,587601,71.7,L22.8
N,906990,587680,68.5,L22.9
N,906986,587760,66.7,L22.10
N,906972,587910,62,L22.11
L8 - SB General - Outer ST 552 to 558,3,
N,907118,586937,61.9,L8.4
N,907105,587030,64.7,L8.5
N,907089,587133,67.7,L8.6
N,907072,587236,70.7,L8.7
N,907055,587347,72.6,L2.1
L2 SB OUTER MAIN LANE 559+30 - 573+00,4,
N,907055,587347,72.6,L2.1
N,907043,587425,72.8,L2.2
N,907028,587523,72.4,L2.3
N,907014,587623,70.5,L2.4
N,907000,587712,68,L2.5
N,906986,587813,64.9,L2.6
N,906972,587910,62,L2.7
N,906956,588011,58.8,L2.8
N,906940,588108,55.8,L2.9
N,906924,588209,52.8,L2.10
N,906907,588307,49.8,L2.11
N,906886,588410,46.6,L2.12
N,906863,588506,43.6,L2.13
N,906836,588600,40.6,L2.14
N,906807,588695,37.5,L2.15
L18 - SB General - Inner ST 552 to 558,5,
N,907128,586938,61.9,L18.4
N,907115,587033,64.7,L18.5
N,907098,587135,67.7,L18.6
N,907083,587238,70.7,L18.7
N,907065,587348,72.6,L12.1
L12 SB INNER MAIN LANE 559+30 - 573+00,6,
N,907065,587348,72.6,L12.1
N,907053,587427,72.8,L12.2
N,907039,587525,72.4,L12.3
N,907025,587624,70.5,L12.4
N,907011,587712,68,L12.5
N,906996,587814,64.9,L12.6
N,906982,587912,62,L12.7
N,906966,588012,58.8,L12.8
N,906951,588109,55.8,L12.9
N,906934,588211,52.8,L12.10

N,906918,588309,49.8,L12.11
N,906896,588412,46.6,L12.12
N,906873,588509,43.6,L12.13
N,906847,588603,40.6,L12.14
N,906818,588699,37.5,L12.15
L58 - SB HOV ST 552 to 558,7,
N,907137,586939,62,L58.4
N,907124,587034,65,L58.5
N,907107,587137,68,L58.6
N,907092,587240,71,L58.7
N,907074,587350,72.7,L52.1
L52 SB HOV LANE 559+30 - 573+00,8,
N,907074,587350,72.7,L52.1
N,907062,587428,73.2,L52.2
N,907047,587527,72.6,L52.3
N,907033,587626,70.6,L52.4
N,907020,587714,68,L52.5
N,907005,587816,65.1,L52.6
N,906990,587915,62,L52.7
N,906975,588015,59,L52.8
N,906958,588112,56,L52.9
N,906944,588213,53,L52.10
N,906927,588311,50,L52.11
N,906907,588414,46.8,L52.12
N,906883,588511,43.8,L52.13
N,906856,588607,40.7,L52.14
N,906827,588702,37.6,L52.15
L57 - NB HOV ST 552 to 558,9,
N,907147,586940,62,L57.4
N,907133,587038,65,L57.5
N,907119,587136,68,L57.6
N,907103,587241,71,L57.7
N,907087,587351,72.8,L51.1
L51 NB HOV LANE 559+30 - 573+00,10,
N,907087,587351,72.8,L51.1
N,907074,587429,73.2,L51.2
N,907060,587528,72.6,L51.3
N,907045,587627,70.6,L51.4
N,907032,587716,68,L51.5
N,907016,587818,65.1,L51.6
N,907002,587917,62,L51.7
N,906988,588016,59,L51.8
N,906974,588115,56,L51.9
N,906960,588218,53,L51.10
N,906944,588316,50,L51.11
N,906923,588418,46.8,L51.12
N,906899,588515,43.8,L51.13
N,906872,588612,40.7,L51.14
N,906843,588707,37.6,L51.15
L17 - NB General - Inner ST 552 to 558,11,
N,907156,586942,61.9,L17.4
N,907142,587039,64.8,L17.5
N,907127,587138,67.8,L17.6
N,907113,587243,70.8,L17.7
N,907094,587352,72.4,L11.1
L11 NB INNER MAIN LANE 559+30 - 573+00,12,

N,907094,587352,72.4,L11.1
N,907083,587430,72.8,L11.2
N,907069,587529,72.4,L11.3
N,907054,587628,70.5,L11.4
N,907041,587717,68,L11.5
N,907026,587819,64.9,L11.6
N,907012,587917,62,L11.7
N,906997,588016,58.8,L11.8
N,906983,588117,55.8,L11.9
N,906970,588219,53.1,L11.10
N,906953,588318,50.2,L11.11
N,906933,588421,47,L11.12
N,906909,588519,44,L11.13
N,906882,588616,40.9,L11.14
N,906852,588710,37.5,L11.15
L7 - NB General - Outer St 552 to 558,13,
N,907165,586945,61.9,L7.4
N,907151,587042,64.8,L7.5
N,907138,587141,67.8,L7.6
N,907123,587246,70.8,L7.7
N,907105,587353,72.4,L1.1
L1 NB OUTER MAIN LANE 559+30 - 573+00,14,
N,907105,587353,72.4,L1.1
N,907093,587432,72.8,L1.2
N,907080,587530,72.4,L1.3
N,907064,587630,70.5,L1.4
N,907050,587718,68,L1.5
N,907036,587821,64.9,L1.6
N,907022,587918,62,L1.7
N,907008,588017,58.8,L1.8
N,906995,588118,55.8,L1.9
N,906981,588221,53.1,L1.10
N,906964,588320,50.2,L1.11
N,906941,588423,47,L1.12
N,906918,588521,44,L1.13
N,906891,588618,40.9,L1.14
N,906863,588713,37.5,L1.15
L4 SB OUTER MAIN LANE 573+00 - 587+00,15,
N,906807,588695,37.5,L4.1
N,906778,588792,34.5,L4.2
N,906748,588886,31.4,L4.3
N,906719,588983,28.5,L4.4
N,906689,589078,25.5,L4.5
N,906659,589174,22.5,L4.6
N,906631,589269,19.5,L4.7
N,906601,589365,16.5,L4.8
N,906572,589462,13.5,L4.9
N,906548,589537,11.2,L4.10
L14 SB INNER MAIN LANE 573+00 - 587+00,16,
N,906818,588699,37.5,L14.1
N,906788,588795,34.5,L14.2
N,906758,588890,31.4,L14.3
N,906729,588987,28.5,L14.4
N,906700,589081,25.5,L14.5
N,906671,589178,22.5,L14.6
N,906641,589273,19.5,L14.7

N,906612,589369,16.5,L14.8
N,906582,589465,13.5,L14.9
N,906560,589540,11.2,L14.10
L54 SB HOV LANE 573+00 - 587+00,17,
N,906827,588702,37.6,L54.1
N,906797,588798,34.6,L54.2
N,906769,588894,31.5,L54.3
N,906739,588989,28.6,L54.4
N,906710,589085,25.7,L54.5
N,906679,589181,22.7,L54.6
N,906651,589276,19.7,L54.7
N,906621,589371,16.7,L54.8
N,906591,589468,13.7,L54.9
N,906568,589543,11.3,L54.10
L53 SB HOV LANE 573+00 - 587+00,18,
N,906843,588707,37.6,L53.1
N,906813,588803,34.6,L53.2
N,906784,588898,31.5,L53.3
N,906754,588995,28.6,L53.4
N,906726,589091,25.7,L53.5
N,906696,589186,22.7,L53.6
N,906667,589281,19.7,L53.7
N,906637,589377,16.7,L53.8
N,906608,589473,13.7,L53.9
N,906584,589548,11.3,L53.10
L13 NB INNER MAIN LANE 573+00 - 587+00,19,
N,906852,588710,37.5,L13.1
N,906822,588806,34.5,L13.2
N,906793,588901,31.4,L13.3
N,906763,588997,28.5,L13.4
N,906736,589093,25.5,L13.5
N,906706,589189,22.5,L13.6
N,906676,589284,19.5,L13.7
N,906647,589380,16.5,L13.8
N,906617,589476,13.5,L13.9
N,906595,589551,11.1,L13.10
L3 NB OUTER MAIN LANE 573+00 - 587+00,20,
N,906863,588713,37.5,L3.1
N,906833,588808,34.5,L3.2
N,906804,588904,31.4,L3.3
N,906773,589000,28.5,L3.4
N,906746,589096,25.5,L3.5
N,906716,589192,22.5,L3.6
N,906686,589287,19.5,L3.7
N,906657,589383,16.5,L3.8
N,906628,589479,13.5,L3.9
N,906604,589554,11.1,L3.10
L32 - SB DelMar Hts Loop On-ramp,21,
N,907089,587133,67.7,L32.1
N,907074,587206,70,L32.2
N,907058,587284,71.6,L32.3
N,907045,587344,72.2,L32.4
N,907029,587376,72.6,L32.5
N,906995,587389,74.8,L32.6
N,906964,587377,78,L32.7
N,906949,587355,80.4,L32.8

N,906950,587327,82.8,L32.9
N,906970,587283,86,L32.10
L30 - SB Del Mar Heights On-ramp,22,
N,907102,586967,63.8,L30.7
N,907082,587045,69.7,L30.8
N,907061,587122,76,L30.9
N,907051,587151,78.4,L30.10
N,907036,587175,80.7,L30.11
N,907010,587206,84,L30.12
N,906992,587228,86,L30.13
N,906980,587242,86.6,L30.14
L31 - NB Del Mar Hts Off-ramp,23,
N,907172,586948,61.7,L31.1
N,907167,587018,63.9,L31.2
N,907162,587077,65.5,L31.3
N,907159,587137,67.8,L31.4
N,907165,587196,71.4,L31.5
N,907181,587253,75.2,L31.6
N,907193,587298,77.5,L31.7
N,907188,587337,78.3,L31.8
B1 WEST SIDE NEAR R1 R2,1,2,0,0
906887,587511,99.7,103.4,B1.1
906927,587490,96,99.7,B1.2
906927,587490,96,96,B1.2
906938,587521,94,94,B1.3
906949,587588,94,94,B1.4
906935,587631,94,94,B1.5
906935,587631,94,95.5,B1.5
906911,587639,94,95.5,B1.6
906885,587640,94,95.5,B1.7
B2 WEST SIDE NEAR R3 - R6,2,2,0,0
906886,587643,93,93,B2.1
906910,587644,93,93,B2.2
906946,587647,92.2,92.2,B2.3
906942,587670,92,92,B2.4
906942,587670,92,93.8,B2.4
906928,587739,92.9,94.7,B2.5
906928,587739,92.9,92.9,B2.5
906919,587739,93,93,B2.6
906928,587739,90,90,B2.5
906899,587846,88.7,88.7,B2.7
906881,587842,89.2,89.2,B2.8
B3 WEST SIDE PROPERTY LINE NEAR R7 - R9,3,2,0,0
906827,587858,99,99,B3.1
906845,587861,99,99,B3.2
906880,587865,99,99,B3.3
906881,587907,99.1,99.1,B3.4
906868,587946,99.3,99.3,B3.5
906863,587982,99.5,99.5,B3.6
906853,588018,99.9,99.9,B3.7
906834,588110,100.2,100.2,B3.8
906832,588118,100,100,B3.8A
B3 WEST SIDE PROPERTY LINE NEAR R7 - R9,3,2,0,0
906832,588118,100,100,B3.8A
906830,588132,96,96,B3.9A
906814,588203,96.2,96.2,B3.9

906801,588208,96,96,B3.11
B20 NAT BAR WEST SIDE NEAR R10,4,2,0,0
906817,588418,50,50,B20.1
906831,588460,44,44,B20.2
906848,588506,38,38,B20.3
B55 - Center Divider ST 555 to 558,6,2,0,0
907141,586939,62,63,B55.1
907128,587034,65,66,B55.2
907113,587135,68,69,B55.3
907098,587240,71,72,B55.4
907080,587351,72.7,73.7,B50.1
B50 CENTER DIVIDER 559+30 - 568+00,7,2,0,0
907080,587351,72.7,73.7,B50.1
907068,587428,73.2,74.2,B50.2
907054,587527,72.6,73.6,B50.3
907039,587626,70.6,71.6,B50.4
907026,587714,68,69,B50.5
907011,587817,65.1,66.1,B50.6
906996,587917,62,63,B50.7
906981,588015,59,60,B50.8
906967,588113,56,57,B50.9
906951,588215,53,54,B50.10
B51 CENTER DIVIDER 568+00 - 577+00,8,2,0,0
906951,588215,53,54,B51.1
906935,588314,50,51,B51.2
906914,588416,46.8,47.8,B51.3
906891,588513,43.8,44.8,B51.4
906864,588609,40.7,41.7,B51.5
906835,588705,37.6,38.6,B51.6
906806,588801,34.6,35.6,B51.7
906776,588896,31.5,32.5,B51.8
906747,588992,28.6,29.6,B51.9
906718,589087,25.7,26.7,B51.10
B52 CENTER DIVIDER 577+00 - 579+00,9,2,0,0
906718,589087,25.7,26.7,B52.1
906688,589183,22.7,23.7,B52.2
906658,589278,19.7,20.7,B52.3
B7 EXISTING SHOULDER BETWEEN SB L2 L12,11,2,0,0
906888,588411,46.6,46.6,B7.1
906876,588457,45,45,B7.2
906865,588507,43.6,43.6,B7.3
906839,588601,40.6,40.6,B7.4
906809,588696,37.5,37.5,B7.5
906779,588794,34.5,34.5,B7.6
906751,588888,31.4,31.4,B7.7
906721,588985,28.5,28.5,B7.8
906691,589079,25.5,25.5,B7.9
906662,589175,22.5,22.5,B7.10
B97 EXISTING SHOULDER BETWEEN SB L4 and L14,12,2,0,0
906662,589175,22.5,22.5,B97.1
906633,589271,19.5,19.5,B97.2
906603,589366,16.5,16.5,B97.3
B71 - Nat Bar NB Del Mar Hts Overcrossing,13,2,0,0
907167,587237,74,74,B71.1
907177,587276,76,76,B71.2
907177,587314,77,77,B71.3

907176,587340,78.8,78.8,B71.4
907121,587314,79.5,79.5,B71.5
907116,587345,79.5,79.5,B71.6
907162,587366,78.8,78.8,B71.7
907152,587392,78,78,B71.8
907123,587440,76,76,B71.9
B19 - Nat Bar Del Mar Hts Overcrossing SB side,14,2,0,0
906979,587251,86.6,86.6,B18.8
907009,587261,84.5,84.5,B18.9
907046,587277,82.5,82.5,B19.1
907042,587310,82,82,B19.2
907006,587293,83.8,83.8,B19.3
906987,587294,83.5,83.5,B19.4
906961,587317,82,82,B19.5
R,1,67,4
906931,587541,95.9,R1
R,2,67,4
906936,587611,95.9,R2
R,3,67,4
906931,587674,94.4,R3
R,4,67,4
906911,587698,94.4,R4
R,5,67,4
906901,587787,90.8,R5
R,6,67,4
906891,587833,90.3,R6
R,7,67,4
906875,587912,100.6,R7
R,8,67,4
906853,587996,101.8,R7A
R,8,67,4
906838,588068,101.8,R8
R,9,67,4
906828,588103,101.8,R8A
R,9,67,4
906815,588170,101.3,R9
R,10,67,4
906817,588525,37.2,R10
R,11,67,4
906803,588562,31,R11
R,12,67,4
906743,588624,28.5,R12
R,13,67,4
906695,588715,18.2,R13
R,14,67,4
906667,588795,14.3,R14
R,15,67,4
906604,588787,14.8,R15
D,4.5
ALL,ALL
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SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
05 DEL MAR HEIGHTS TO VIA DEL VALLE,WEST - NO BUILD,0,FT

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BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	- 12.*								B1.1	148.8	
2	- 6.*								B1.2	12.1	
3	- 0.*								B1.2	108.1	
4	- 0.*								B1.3	222.8	
5	- 0.*								B1.4	148.3	
6	- 2.*								B1.5	4.9	
7	- 5.*								B1.5	83.0	
8	- 5.*								B1.6	85.4	
9	- 0.*								B2.1	78.8	
10	- 0.*								B2.2	118.5	
11	- 0.*								B2.3	76.6	
12	- 3.*								B2.4	5.9	
13	- 6.*								B2.4	231.0	
14	- 3.*								B2.5	5.9	
15	- 0.*								B2.5	29.6	
16	- 0.*								B2.6	31.2	
17	- 0.*								B2.5	363.7	
18	- 0.*								B2.7	60.5	
19	- 0.*								B3.1	59.9	
20	- 0.*								B3.2	115.5	
21	- 0.*								B3.3	137.8	
22	- 0.*								B3.4	134.9	
23	- 0.*								B3.5	119.2	
24	- 0.*								B3.6	122.6	
25	- 0.*								B3.7	308.3	
26	- 0.*								B3.8	27.0	
27	- 0.*								B3.8A	48.2	
28	- 0.*								B3.9A	238.8	
29	- 0.*								B3.9	45.7	
30	- 0.*								B20.1	146.6	
31	- 0.*								B20.2	162.2	
32	- 3.*								B55.1	314.8	
33	- 3.*								B55.2	335.1	
34	- 3.*								B55.3	348.1	
35	- 3.*								B55.4	369.0	
36	- 3.*								B50.1	255.7	
37	- 3.*								B50.2	328.0	

38	-	3.*	B50.3	328.6
39	-	3.*	B50.4	291.9
40	-	3.*	B50.5	341.7
41	-	3.*	B50.6	331.8
42	-	3.*	B50.7	325.5
43	-	3.*	B50.8	324.9
44	-	3.*	B50.9	338.8
45	-	3.*	B51.1	329.2
46	-	3.*	B51.2	341.9
47	-	3.*	B51.3	327.2
48	-	3.*	B51.4	327.4
49	-	3.*	B51.5	329.2
50	-	3.*	B51.6	329.1
51	-	3.*	B51.7	327.0
52	-	3.*	B51.8	329.2
53	-	3.*	B51.9	325.9
54	-	3.*	B52.1	330.2
55	-	3.*	B52.2	327.0
56	-	0.*	B7.1	156.0
57	-	0.*	B7.2	168.0
58	-	0.*	B7.3	320.1
59	-	0.*	B7.4	327.1
60	-	0.*	B7.5	336.4
61	-	0.*	B7.6	321.9
62	-	0.*	B7.7	333.3
63	-	0.*	B7.8	323.9
64	-	0.*	B7.9	329.1
65	-	0.*	B97.1	329.2
66	-	0.*	B97.2	327.0
67	-	0.*	B71.1	132.2
68	-	0.*	B71.2	124.7
69	-	0.*	B71.3	85.6
70	-	0.*	B71.4	199.6
71	-	0.*	B71.5	103.0
72	-	0.*	B71.6	165.9
73	-	0.*	B71.7	91.4
74	-	0.*	B71.8	184.2
75	-	0.*	B18.8	104.0
76	-	0.*	B18.9	132.4
77	-	0.*	B19.1	109.1
78	-	0.*	B19.2	130.8
79	-	0.*	B19.3	62.5
80	-	0.*	B19.4	114.0

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0 1 2 3 4 5 6 7

1

REC	REC ID	DNL	PEOPLE	LEQ(CAL)
1	R1	67.	500.	70.7
2	R2	67.	500.	72.4

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 3  R3       67.    500.   69.4
 4  R4       67.    500.   65.3
 5  R5       67.    500.   68.8
 6  R6       67.    500.   70.0
 7  R7       67.    500.   71.2
 8  R7A      67.    500.   70.7
 9  R8       67.    500.   70.5
10  R8A      67.    500.   69.2
11  R9       67.    500.   70.2
12  R10      67.    500.   73.3
13  R11      67.    500.   70.6
14  R12      67.    500.   70.0
15  R13      67.    500.   67.7
16  R14      67.    500.   67.4
17  R15      67.    500.   66.5
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
12. 6. 0. 0. 0. 2. 5. 5. 0. 0. 0. 3. 6. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 0. 0. 0. 0. 0.
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05 Del Mar Heights to Via Del Valle WEST,Build,Bld,Ft
T-L21 DEL MAR HEIGHTS ON-RAMP TO NB,1
950,45,24,45,26,45
T-L22 SB OFF-RAMP TO DEL MAR HEIGHTS RD,2
1900,45,48,45,52,45
T-L8 - SB General - Outer ST 552 to 558,3
5088,65,132,65,366,65
T-L2 SB OUTER MAIN LANE 559+30 - 573+00,4
5088,65,132,65,366,65
T-L18 - SB General - Inner ST 552 to 558,5
5088,65,132,65,366,65
T-L12 SB INNER MAIN LANE 559+30 - 573+00,6
5088,65,132,65,366,65
T-L58 - SB HOV ST 552 to 558,7
3000,65,0,65,0,65
T-L52 SB HOV LANE 559+30 - 573+00,8
3000,65,0,65,0,65
T-L57 - NB HOV ST 552 to 558,9
3000,65,0,65,0,65
T-L51 NB HOV LANE 559+30 - 573+00,10
3000,65,0,65,0,65
T-L17 - NB General - Inner ST 552 to 558,11
5088,65,132,65,366,65
T-L11 NB INNER MAIN LANE 559+30 - 573+00,12
5088,65,132,65,366,65
T-L7 - NB General - Outer St 552 to 558,13
5088,65,132,65,366,65
T-L1 NB OUTER MAIN LANE 559+30 - 573+00,14
5088,65,132,65,366,65
T-L4 SB OUTER MAIN LANE 573+00 - 587+00,15
5088,65,132,65,366,65
T-L14 SB INNER MAIN LANE 573+00 - 587+00,16
5088,65,132,65,366,65
T-L54 SB HOV LANE 573+00 - 587+00,17
3000,65,0,65,0,65
T-L53 NB HOV LANE 573+00 - 587+00,18
3000,65,0,65,0,65
T-L13 NB INNER MAIN LANE 573+00 - 587+00,19
5088,65,132,65,366,65
T-L3 NB OUTER MAIN LANE 573+00 - 587+00,20
5088,65,132,65,366,65
T-L32 - SB Del Mar Heights On-ramp (Loop),21
950,25,24,25,26,25
T-L30 - SB Del Mar Heights On-ramp,22
950,45,24,45,26,45
T-L31 - NB Del Mar Hts Off-ramp,23
1900,45,48,45,52,45
L21 DEL MAR HEIGHTS ON-RAMP TO NB,1
N,907169,587371,78.6,L21.1
N,907132,587441,76,L21.2
N,907115,587476,75,L21.3
N,907101,587536,71.9,L21.4
N,907082,587632,70,L21.5
N,907062,587730,67.1,L21.6
N,907046,587830,64.9,L21.7
N,907032,587927,62,L21.8

N,907017,588026,58.8,L21.9
N,907003,588126,55.8,L21.10
N,906981,588221,53.1,L21.11
L22 SB OFF-RAMP TO DEL MAR HEIGHTS RD,2,
N,906958,587277,86.6,L22.1
N,906934,587334,85.3,L22.2
N,906931,587375,83.4,L22.3
N,906944,587414,81.5,L22.4
N,906993,587523,75.5,L22.5
N,906998,587581,72.5,L22.6
N,906989,587720,67.2,L22.7
N,906981,587810,64.9,L22.8
N,906972,587910,62,L22.9
L8 - SB General - Outer ST 552 to 558,3,
N,907118,586937,61.9,L8.4
N,907105,587030,64.7,L8.5
N,907089,587133,67.7,L8.6
N,907072,587236,70.7,L8.7
N,907055,587347,72.6,L2.1
L2 SB OUTER MAIN LANE 559+30 - 573+00,4,
N,907055,587347,72.6,L2.1
N,907043,587425,72.8,L2.2
N,907028,587523,72.4,L2.3
N,907014,587623,70.5,L2.4
N,907000,587712,68,L2.5
N,906986,587813,64.9,L2.6
N,906972,587910,62,L2.7
N,906956,588011,58.8,L2.8
N,906940,588108,55.8,L2.9
N,906924,588209,52.8,L2.10
N,906907,588307,49.8,L2.11
N,906886,588410,46.6,L2.12
N,906863,588506,43.6,L2.13
N,906836,588600,40.6,L2.14
N,906807,588695,37.5,L2.15
L18 - SB General - Inner ST 552 to 558,5,
N,907128,586938,61.9,L18.4
N,907115,587033,64.7,L18.5
N,907098,587135,67.7,L18.6
N,907083,587238,70.7,L18.7
N,907065,587348,72.6,L12.1
L12 SB INNER MAIN LANE 559+30 - 573+00,6,
N,907065,587348,72.6,L12.1
N,907053,587427,72.8,L12.2
N,907039,587525,72.4,L12.3
N,907025,587624,70.5,L12.4
N,907011,587712,68,L12.5
N,906996,587814,64.9,L12.6
N,906982,587912,62,L12.7
N,906966,588012,58.8,L12.8
N,906951,588109,55.8,L12.9
N,906934,588211,52.8,L12.10
N,906918,588309,49.8,L12.11
N,906896,588412,46.6,L12.12
N,906873,588509,43.6,L12.13
N,906847,588603,40.6,L12.14

N,906818,588699,37.5,L12.15
L58 - SB HOV ST 552 to 558,7,
N,907137,586939,62,L58.4
N,907124,587034,65,L58.5
N,907107,587137,68,L58.6
N,907092,587240,71,L58.7
N,907074,587350,72.7,L52.1
L52 SB HOV LANE 559+30 - 573+00,8,
N,907074,587350,72.7,L52.1
N,907062,587428,73.2,L52.2
N,907047,587527,72.6,L52.3
N,907033,587626,70.6,L52.4
N,907020,587714,68,L52.5
N,907005,587816,65.1,L52.6
N,906990,587915,62,L52.7
N,906975,588015,59,L52.8
N,906958,588112,56,L52.9
N,906944,588213,53,L52.10
N,906927,588311,50,L52.11
N,906907,588414,46.8,L52.12
N,906883,588511,43.8,L52.13
N,906856,588607,40.7,L52.14
N,906827,588702,37.6,L52.15
L57 - NB HOV ST 552 to 558,9,
N,907147,586940,62,L57.4
N,907133,587038,65,L57.5
N,907119,587136,68,L57.6
N,907103,587241,71,L57.7
N,907087,587351,72.8,L51.1
L51 NB HOV LANE 559+30 - 573+00,10,
N,907087,587351,72.8,L51.1
N,907074,587429,73.2,L51.2
N,907060,587528,72.6,L51.3
N,907045,587627,70.6,L51.4
N,907032,587716,68,L51.5
N,907016,587818,65.1,L51.6
N,907002,587917,62,L51.7
N,906988,588016,59,L51.8
N,906974,588115,56,L51.9
N,906960,588218,53,L51.10
N,906944,588316,50,L51.11
N,906923,588418,46.8,L51.12
N,906899,588515,43.8,L51.13
N,906872,588612,40.7,L51.14
N,906843,588707,37.6,L51.15
L17 - NB General - Inner ST 552 to 558,11,
N,907156,586942,61.9,L17.4
N,907142,587039,64.8,L17.5
N,907127,587138,67.8,L17.6
N,907113,587243,70.8,L17.7
N,907094,587352,72.4,L11.1
L11 NB INNER MAIN LANE 559+30 - 573+00,12,
N,907094,587352,72.4,L11.1
N,907083,587430,72.8,L11.2
N,907069,587529,72.4,L11.3
N,907054,587628,70.5,L11.4

N,907041,587717,68,L11.5
N,907026,587819,64.9,L11.6
N,907012,587917,62,L11.7
N,906997,588016,58.8,L11.8
N,906983,588117,55.8,L11.9
N,906970,588219,53.1,L11.10
N,906953,588318,50.2,L11.11
N,906933,588421,47,L11.12
N,906909,588519,44,L11.13
N,906882,588616,40.9,L11.14
N,906852,588710,37.5,L11.15
L7 - NB General - Outer St 552 to 558,13,
N,907165,586945,61.9,L7.4
N,907151,587042,64.8,L7.5
N,907138,587141,67.8,L7.6
N,907123,587246,70.8,L7.7
N,907105,587353,72.4,L1.1
L1 NB OUTER MAIN LANE 559+30 - 573+00,14,
N,907105,587353,72.4,L1.1
N,907093,587432,72.8,L1.2
N,907080,587530,72.4,L1.3
N,907064,587630,70.5,L1.4
N,907050,587718,68,L1.5
N,907036,587821,64.9,L1.6
N,907022,587918,62,L1.7
N,907008,588017,58.8,L1.8
N,906995,588118,55.8,L1.9
N,906981,588221,53.1,L1.10
N,906964,588320,50.2,L1.11
N,906941,588423,47,L1.12
N,906918,588521,44,L1.13
N,906891,588618,40.9,L1.14
N,906863,588713,37.5,L1.15
L4 SB OUTER MAIN LANE 573+00 - 587+00,15,
N,906807,588695,37.5,L4.1
N,906778,588792,34.5,L4.2
N,906748,588886,31.4,L4.3
N,906719,588983,28.5,L4.4
N,906689,589078,25.5,L4.5
N,906659,589174,22.5,L4.6
N,906631,589269,19.5,L4.7
N,906601,589365,16.5,L4.8
N,906572,589462,13.5,L4.9
N,906548,589537,11.2,L4.10
L14 SB INNER MAIN LANE 573+00 - 587+00,16,
N,906818,588699,37.5,L14.1
N,906788,588795,34.5,L14.2
N,906758,588890,31.4,L14.3
N,906729,588987,28.5,L14.4
N,906700,589081,25.5,L14.5
N,906671,589178,22.5,L14.6
N,906641,589273,19.5,L14.7
N,906612,589369,16.5,L14.8
N,906582,589465,13.5,L14.9
N,906560,589540,11.2,L14.10
L54 SB HOV LANE 573+00 - 587+00,17,

N,906827,588702,37.6,L54.1
N,906797,588798,34.6,L54.2
N,906769,588894,31.5,L54.3
N,906739,588989,28.6,L54.4
N,906710,589085,25.7,L54.5
N,906679,589181,22.7,L54.6
N,906651,589276,19.7,L54.7
N,906621,589371,16.7,L54.8
N,906591,589468,13.7,L54.9
N,906568,589543,11.3,L54.10
L53 SB HOV LANE 573+00 - 587+00,18,
N,906843,588707,37.6,L53.1
N,906813,588803,34.6,L53.2
N,906784,588898,31.5,L53.3
N,906754,588995,28.6,L53.4
N,906726,589091,25.7,L53.5
N,906696,589186,22.7,L53.6
N,906667,589281,19.7,L53.7
N,906637,589377,16.7,L53.8
N,906608,589473,13.7,L53.9
N,906584,589548,11.3,L53.10
L13 NB INNER MAIN LANE 573+00 - 587+00,19,
N,906852,588710,37.5,L13.1
N,906822,588806,34.5,L13.2
N,906793,588901,31.4,L13.3
N,906763,588997,28.5,L13.4
N,906736,589093,25.5,L13.5
N,906706,589189,22.5,L13.6
N,906676,589284,19.5,L13.7
N,906647,589380,16.5,L13.8
N,906617,589476,13.5,L13.9
N,906595,589551,11.1,L13.10
L3 NB OUTER MAIN LANE 573+00 - 587+00,20,
N,906863,588713,37.5,L3.1
N,906833,588808,34.5,L3.2
N,906804,588904,31.4,L3.3
N,906773,589000,28.5,L3.4
N,906746,589096,25.5,L3.5
N,906716,589192,22.5,L3.6
N,906686,589287,19.5,L3.7
N,906657,589383,16.5,L3.8
N,906628,589479,13.5,L3.9
N,906604,589554,11.1,L3.10
L32 - SB DelMar Hts Loop On-ramp,21,
N,907089,587133,67.7,L32.1
N,907070,587226,70.4,L32.2
N,907052,587325,72.2,L32.3
N,907039,587377,72.5,L32.4
N,907016,587409,73.1,L32.5
N,906986,587415,74.5,L32.6
N,906957,587400,77.3,L32.7
N,906946,587368,80.5,L32.8
N,906947,587339,82.8,L32.9
N,906972,587281,86.4,L32.10
L30 - SB Del Mar Heights On-ramp,22,
N,907078,587024,68.6,L30.7

N,907055,587121,76.6,L30.8
N,907036,587166,80.5,L30.9
N,907009,587204,84.5,L30.10
N,906980,587240,86.5,L30.11
L31 - NB Del Mar Hts Off-ramp,23,
N,907172,586948,61.7,L31.1
N,907167,587018,63.9,L31.2
N,907162,587077,65.5,L31.3
N,907159,587137,67.8,L31.4,
N,907165,587196,71.4,L31.5,
N,907181,587253,75.2,L31.6,
N,907193,587298,77.5,L31.7,
N,907188,587337,78.3,L31.8,
B1 WEST SIDE NEAR R1 R2,1,2,0,0,
906887,587511,99.7,103.4,B1.1,
906927,587490,96,99.7,B1.2,
906927,587490,96,96,B1.2,
906938,587521,94,94,B1.3,
906949,587588,94,94,B1.4,
906935,587631,94,94,B1.5,
906935,587631,94,95.5,B1.5,
906911,587639,94,95.5,B1.6,
906885,587640,94,95.5,B1.7,
B2 WEST SIDE NEAR R3 - R6,2,2,0,0,
906886,587643,93,93,B2.1,
906910,587644,93,93,B2.2,
906946,587647,92.2,92.2,B2.3,
906942,587670,92,92,B2.4,
906942,587670,92,93.8,B2.4,
906928,587739,92.9,94.7,B2.5,
906928,587739,92.9,92.9,B2.5,
906919,587739,93,93,B2.6,
B2 WEST SIDE NEAR R3 - R6,3,2,0,0,
906928,587739,90,90,B2.5,
906899,587846,88.7,88.7,B2.7,
906881,587842,89.2,89.2,B2.8,
B3 WEST SIDE PROPERTY LINE NEAR R7 - R9,4,2,0,0,
906827,587858,99,99,B3.1,
906845,587861,99,99,B3.2,
906880,587865,99,99,B3.3,
906881,587907,99.1,99.1,B3.4,
906868,587946,99.3,99.3,B3.5,
906863,587982,99.5,99.5,B3.6,
906863,587982,99.5,99.5,B3.6,
906853,588018,99.9,99.9,B3.7,
906834,588110,100.2,100.2,B3.8,
906832,588118,100,100,B3.8A,
B3 WEST SIDE PROPERTY LINE NEAR R7 - R9,5,2,0,0,
906832,588118,100,100,B3.8A,
906830,588132,96,96,B3.9A,
906830,588132,96,96,B3.9A,
906814,588203,96.2,96.2,B3.9,
906801,588208,96,96,B3.11,
B20 NAT BAR WEST SIDE NEAR R10,6,2,0,0,
906817,588418,50,50,B20.1,
906831,588460,44,44,B20.2,

906848,588506,38,38,B20.3,
B55 - Center Divider ST 555 to 558,7,2,0,0,
907141,586939,62,63,B55.1,
907128,587034,65,66,B55.2,
907113,587135,68,69,B55.3,
907098,587240,71,72,B55.4,
907080,587351,72.7,73.7,B50.1,
B50 CENTER DIVIDER 559+30 - 568+00,8,2,0,0,
907080,587351,72.7,73.7,B50.1,
907068,587428,73.2,74.2,B50.2,
907054,587527,72.6,73.6,B50.3,
907039,587626,70.6,71.6,B50.4,
907026,587714,68,69,B50.5,
907011,587817,65.1,66.1,B50.6,
906996,587917,62,63,B50.7,
906981,588015,59,60,B50.8,
906967,588113,56,57,B50.9,
906951,588215,53,54,B50.10,
B51 CENTER DIVIDER 568+00 - 577+00,9,2,0,0,
906951,588215,53,54,B51.1,
906935,588314,50,51,B51.2,
906914,588416,46.8,47.8,B51.3,
906891,588513,43.8,44.8,B51.4,
906864,588609,40.7,41.7,B51.5,
906835,588705,37.6,38.6,B51.6,
906806,588801,34.6,35.6,B51.7,
906776,588896,31.5,32.5,B51.8,
906747,588992,28.6,29.6,B51.9,
906718,589087,25.7,26.7,B51.10,
B52 CENTER DIVIDER 577+00 - 579+00,10,2,0,0,
906718,589087,25.7,26.7,B52.1,
906688,589183,22.7,23.7,B52.2,
906658,589278,19.7,20.7,B52.3,
B4 FUTURE SHOULDER WEST SIDE NEAR L2 L4,11,2,0,0,
906877,588409,46.5,46.5,B4.1,
906866,588454,44.5,44.5,B4.2,
906866,588454,44.5,45.4,B4.2,
906854,588504,43.6,44.5,B4.3,
906829,588597,40.6,41.5,B4.4,
906800,588692,37.5,38.4,B4.5,
906769,588791,34.5,35.4,B4.6,
906740,588884,31.4,32.3,B4.7,
B4 FUTURE SHOULDER WEST SIDE NEAR L2 L4,12,2,0,0,
906740,588884,31.4,31.4,B4.7,
906710,588982,28.5,28.5,B4.8,
906694,589035,26,26,B4.9,
906681,589076,25.5,25.5,B4.10,
B71 - Nat Bar NB Del Mar Hts Overcrossing,13,2,0,0,
907167,587237,74,74,B71.1,
907177,587276,76,76,B71.2,
907177,587314,77,77,B71.3,
907176,587340,78.8,78.8,B71.4,
907121,587314,79.5,79.5,B71.5,
907116,587345,79.5,79.5,B71.6,
907162,587366,78.8,78.8,B71.7,
907152,587392,78,78,B71.8,

907123,587440,76,76,B71.9,
B19 - Nat Bar Del Mar Hts Overcrossing SB side,14,2,0,0,
906979,587251,86.6,86.6,B18.8,
907009,587261,84.5,84.5,B18.9,
907046,587277,82.5,82.5,B19.1,
907042,587310,82,82,B19.2,
907006,587293,83.8,83.8,B19.3,
906987,587294,83.5,83.5,B19.4,
906961,587317,82,82,B19.5,
R,1,67,4
906931,587541,95.9,R1
R,2,67,4
906936,587611,95.9,R2
R,3,67,4
906931,587674,94.4,R3
R,4,67,4
906911,587698,94.4,R4
R,5,67,4
906901,587787,90.8,R5
R,6,67,4
906891,587833,90.3,R6
R,7,67,4
906875,587912,100.6,R7
R,8,67,4
906853,587996,101.8,R7A
R,8,67,4
906838,588068,101.8,R8
R,9,67,4
906828,588103,101.8,R8A
R,9,67,4
906815,588170,101.3,R9
R,10,67,4
906817,588525,37.2,R10
R,11,67,4
906803,588562,31,R11
R,12,67,4
906743,588624,28.5,R12
R,13,67,4
906695,588715,18.2,R13
R,14,67,4
906667,588795,14.3,R14
R,15,67,4
906604,588787,14.8,R15
D,4.5
ALL,ALL
c,c
906604,588787,14.8,R15
D,4.5
ALL,ALL
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
05 DEL MAR HEIGHTS TO VIA DEL VALLE WEST,BUILD,BLD,FT

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	- 12.*								B1.1	148.8	
2	- 6.*								B1.2	12.1	
3	- 0.*								B1.2	108.1	
4	- 0.*								B1.3	222.8	
5	- 0.*								B1.4	148.3	
6	- 2.*								B1.5	4.9	
7	- 5.*								B1.5	83.0	
8	- 5.*								B1.6	85.4	
9	- 0.*								B2.1	78.8	
10	- 0.*								B2.2	118.5	
11	- 0.*								B2.3	76.6	
12	- 3.*								B2.4	5.9	
13	- 6.*								B2.4	231.0	
14	- 3.*								B2.5	5.9	
15	- 0.*								B2.5	29.6	
16	- 0.*								B2.5	363.7	
17	- 0.*								B2.7	60.5	
18	- 0.*								B3.1	59.9	
19	- 0.*								B3.2	115.5	
20	- 0.*								B3.3	137.8	
21	- 0.*								B3.4	134.9	
22	- 0.*								B3.5	119.2	
23	- 0.*								B3.6	.0	
24	- 0.*								B3.6	122.6	
25	- 0.*								B3.7	308.3	
26	- 0.*								B3.8	27.0	
27	- 0.*								B3.8A	48.2	
28	- 0.*								B3.9A	.0	
29	- 0.*								B3.9A	238.8	
30	- 0.*								B3.9	45.7	
31	- 0.*								B20.1	146.6	
32	- 0.*								B20.2	162.2	
33	- 3.*								B55.1	314.8	
34	- 3.*								B55.2	335.1	
35	- 3.*								B55.3	348.1	
36	- 3.*								B55.4	369.0	

37	-	3.*	B50.1	255.7
38	-	3.*	B50.2	328.0
39	-	3.*	B50.3	328.6
40	-	3.*	B50.4	291.9
41	-	3.*	B50.5	341.7
42	-	3.*	B50.6	331.8
43	-	3.*	B50.7	325.5
44	-	3.*	B50.8	324.9
45	-	3.*	B50.9	338.8
46	-	3.*	B51.1	329.2
47	-	3.*	B51.2	341.9
48	-	3.*	B51.3	327.2
49	-	3.*	B51.4	327.4
50	-	3.*	B51.5	329.2
51	-	3.*	B51.6	329.1
52	-	3.*	B51.7	327.0
53	-	3.*	B51.8	329.2
54	-	3.*	B51.9	325.9
55	-	3.*	B52.1	330.2
56	-	3.*	B52.2	327.0
57	-	0.*	B4.1	152.2
58	-	2.*	B4.2	3.0
59	-	3.*	B4.2	168.7
60	-	3.*	B4.3	316.1
61	-	3.*	B4.4	326.1
62	-	3.*	B4.5	340.5
63	-	3.*	B4.6	319.7
64	-	0.*	B4.7	336.4
65	-	0.*	B4.8	181.8
66	-	0.*	B4.9	141.1
67	-	0.*	B71.1	132.2
68	-	0.*	B71.2	124.7
69	-	0.*	B71.3	85.6
70	-	0.*	B71.4	199.6
71	-	0.*	B71.5	103.0
72	-	0.*	B71.6	165.9
73	-	0.*	B71.7	91.4
74	-	0.*	B71.8	184.2
75	-	0.*	B18.8	104.0
76	-	0.*	B18.9	132.4
77	-	0.*	B19.1	109.1
78	-	0.*	B19.2	130.8
79	-	0.*	B19.3	62.5
80	-	0.*	B19.4	114.0

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0 1 2 3 4 5 6 7

1

REC	REC ID	DNL	PEOPLE	LEQ(CAL)
1	R1	67.	500.	72.6

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 2  R2       67.    500.   74.3
 3  R3       67.    500.   71.3
 4  R4       67.    500.   67.2
 5  R5       67.    500.   70.6
 6  R6       67.    500.   71.8
 7  R7       67.    500.   73.1
 8  R7A      67.    500.   72.6
 9  R8       67.    500.   72.4
10  R8A      67.    500.   71.0
11  R9       67.    500.   72.1
12  R10      67.    500.   72.8
13  R11      67.    500.   69.7
14  R12      67.    500.   70.1
15  R13      67.    500.   68.0
16  R14      67.    500.   67.9
17  R15      67.    500.   67.4
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
12. 6. 0. 0. 0. 2. 5. 5. 0. 0. 0. 3. 6. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
 3. 3. 3. 3. 3. 3. 0. 2. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 0. 0. 0. 0. 0.
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05 Del Mar Heights to Via Del Valle WEST,Build,DGN,Ft
T-L21 DEL MAR HEIGHTS ON-RAMP TO NB,1
950,45,24,45,26,45
T-L22 SB OFF-RAMP TO DEL MAR HEIGHTS RD,2
1900,45,48,45,52,45
T-L8 - SB General - Outer ST 552 to 558,3
5088,65,132,65,366,65
T-L2 SB OUTER MAIN LANE 559+30 - 573+00,4
5088,65,132,65,366,65
T-L18 - SB General - Inner ST 552 to 558,5
5088,65,132,65,366,65
T-L12 SB INNER MAIN LANE 559+30 - 573+00,6
5088,65,132,65,366,65
T-L58 - SB HOV ST 552 to 558,7
3000,65,0,65,0,65
T-L52 SB HOV LANE 559+30 - 573+00,8
3000,65,0,65,0,65
T-L57 - NB HOV ST 552 to 558,9
3000,65,0,65,0,65
T-L51 NB HOV LANE 559+30 - 573+00,10
3000,65,0,65,0,65
T-L17 - NB General - Inner ST 552 to 558,11
5088,65,132,65,366,65
T-L11 NB INNER MAIN LANE 559+30 - 573+00,12
5088,65,132,65,366,65
T-L7 - NB General - Outer St 552 to 558,13
5088,65,132,65,366,65
T-L1 NB OUTER MAIN LANE 559+30 - 573+00,14
5088,65,132,65,366,65
T-L4 SB OUTER MAIN LANE 573+00 - 587+00,15
5088,65,132,65,366,65
T-L14 SB INNER MAIN LANE 573+00 - 587+00,16
5088,65,132,65,366,65
T-L54 SB HOV LANE 573+00 - 587+00,17
3000,65,0,65,0,65
T-L53 NB HOV LANE 573+00 - 587+00,18
3000,65,0,65,0,65
T-L13 NB INNER MAIN LANE 573+00 - 587+00,19
5088,65,132,65,366,65
T-L3 NB OUTER MAIN LANE 573+00 - 587+00,20
5088,65,132,65,366,65
T-L32 - SB Del Mar Heights On-ramp (Loop),21
950,25,24,25,26,25
T-L30 - SB Del Mar Heights On-ramp,22
950,45,24,45,26,45
T-L31 - NB Del Mar Hts Off-ramp,23
1900,45,48,45,52,45
L21 DEL MAR HEIGHTS ON-RAMP TO NB,1
N,907169,587371,78.6,L21.1
N,907132,587441,76,L21.2
N,907115,587476,75,L21.3
N,907101,587536,71.9,L21.4
N,907082,587632,70,L21.5
N,907062,587730,67.1,L21.6
N,907046,587830,64.9,L21.7
N,907032,587927,62,L21.8

N,907017,588026,58.8,L21.9
N,907003,588126,55.8,L21.10
N,906981,588221,53.1,L21.11
L22 SB OFF-RAMP TO DEL MAR HEIGHTS RD,2,
N,906958,587277,86.6,L22.1
N,906934,587334,85.3,L22.2
N,906931,587375,83.4,L22.3
N,906944,587414,81.5,L22.4
N,906993,587523,75.5,L22.5
N,906998,587581,72.5,L22.6
N,906989,587720,67.2,L22.7
N,906981,587810,64.9,L22.8
N,906972,587910,62,L22.9
L8 - SB General - Outer ST 552 to 558,3,
N,907118,586937,61.9,L8.4
N,907105,587030,64.7,L8.5
N,907089,587133,67.7,L8.6
N,907072,587236,70.7,L8.7
N,907055,587347,72.6,L2.1
L2 SB OUTER MAIN LANE 559+30 - 573+00,4,
N,907055,587347,72.6,L2.1
N,907043,587425,72.8,L2.2
N,907028,587523,72.4,L2.3
N,907014,587623,70.5,L2.4
N,907000,587712,68,L2.5
N,906986,587813,64.9,L2.6
N,906972,587910,62,L2.7
N,906956,588011,58.8,L2.8
N,906940,588108,55.8,L2.9
N,906924,588209,52.8,L2.10
N,906907,588307,49.8,L2.11
N,906886,588410,46.6,L2.12
N,906863,588506,43.6,L2.13
N,906836,588600,40.6,L2.14
N,906807,588695,37.5,L2.15
L18 - SB General - Inner ST 552 to 558,5,
N,907128,586938,61.9,L18.4
N,907115,587033,64.7,L18.5
N,907098,587135,67.7,L18.6
N,907083,587238,70.7,L18.7
N,907065,587348,72.6,L12.1
L12 SB INNER MAIN LANE 559+30 - 573+00,6,
N,907065,587348,72.6,L12.1
N,907053,587427,72.8,L12.2
N,907039,587525,72.4,L12.3
N,907025,587624,70.5,L12.4
N,907011,587712,68,L12.5
N,906996,587814,64.9,L12.6
N,906982,587912,62,L12.7
N,906966,588012,58.8,L12.8
N,906951,588109,55.8,L12.9
N,906934,588211,52.8,L12.10
N,906918,588309,49.8,L12.11
N,906896,588412,46.6,L12.12
N,906873,588509,43.6,L12.13
N,906847,588603,40.6,L12.14

N,906818,588699,37.5,L12.15
L58 - SB HOV ST 552 to 558,7,
N,907137,586939,62,L58.4
N,907124,587034,65,L58.5
N,907107,587137,68,L58.6
N,907092,587240,71,L58.7
N,907074,587350,72.7,L52.1
L52 SB HOV LANE 559+30 - 573+00,8,
N,907074,587350,72.7,L52.1
N,907062,587428,73.2,L52.2
N,907047,587527,72.6,L52.3
N,907033,587626,70.6,L52.4
N,907020,587714,68,L52.5
N,907005,587816,65.1,L52.6
N,906990,587915,62,L52.7
N,906975,588015,59,L52.8
N,906958,588112,56,L52.9
N,906944,588213,53,L52.10
N,906927,588311,50,L52.11
N,906907,588414,46.8,L52.12
N,906883,588511,43.8,L52.13
N,906856,588607,40.7,L52.14
N,906827,588702,37.6,L52.15
L57 - NB HOV ST 552 to 558,9,
N,907147,586940,62,L57.4
N,907133,587038,65,L57.5
N,907119,587136,68,L57.6
N,907103,587241,71,L57.7
N,907087,587351,72.8,L51.1
L51 NB HOV LANE 559+30 - 573+00,10,
N,907087,587351,72.8,L51.1
N,907074,587429,73.2,L51.2
N,907060,587528,72.6,L51.3
N,907045,587627,70.6,L51.4
N,907032,587716,68,L51.5
N,907016,587818,65.1,L51.6
N,907002,587917,62,L51.7
N,906988,588016,59,L51.8
N,906974,588115,56,L51.9
N,906960,588218,53,L51.10
N,906944,588316,50,L51.11
N,906923,588418,46.8,L51.12
N,906899,588515,43.8,L51.13
N,906872,588612,40.7,L51.14
N,906843,588707,37.6,L51.15
L17 - NB General - Inner ST 552 to 558,11,
N,907156,586942,61.9,L17.4
N,907142,587039,64.8,L17.5
N,907127,587138,67.8,L17.6
N,907113,587243,70.8,L17.7
N,907094,587352,72.4,L11.1
L11 NB INNER MAIN LANE 559+30 - 573+00,12,
N,907094,587352,72.4,L11.1
N,907083,587430,72.8,L11.2
N,907069,587529,72.4,L11.3
N,907054,587628,70.5,L11.4

N,907041,587717,68,L11.5
N,907026,587819,64.9,L11.6
N,907012,587917,62,L11.7
N,906997,588016,58.8,L11.8
N,906983,588117,55.8,L11.9
N,906970,588219,53.1,L11.10
N,906953,588318,50.2,L11.11
N,906933,588421,47,L11.12
N,906909,588519,44,L11.13
N,906882,588616,40.9,L11.14
N,906852,588710,37.5,L11.15
L7 - NB General - Outer St 552 to 558,13,
N,907165,586945,61.9,L7.4
N,907151,587042,64.8,L7.5
N,907138,587141,67.8,L7.6
N,907123,587246,70.8,L7.7
N,907105,587353,72.4,L1.1
L1 NB OUTER MAIN LANE 559+30 - 573+00,14,
N,907105,587353,72.4,L1.1
N,907093,587432,72.8,L1.2
N,907080,587530,72.4,L1.3
N,907064,587630,70.5,L1.4
N,907050,587718,68,L1.5
N,907036,587821,64.9,L1.6
N,907022,587918,62,L1.7
N,907008,588017,58.8,L1.8
N,906995,588118,55.8,L1.9
N,906981,588221,53.1,L1.10
N,906964,588320,50.2,L1.11
N,906941,588423,47,L1.12
N,906918,588521,44,L1.13
N,906891,588618,40.9,L1.14
N,906863,588713,37.5,L1.15
L4 SB OUTER MAIN LANE 573+00 - 587+00,15,
N,906807,588695,37.5,L4.1
N,906778,588792,34.5,L4.2
N,906748,588886,31.4,L4.3
N,906719,588983,28.5,L4.4
N,906689,589078,25.5,L4.5
N,906659,589174,22.5,L4.6
N,906631,589269,19.5,L4.7
N,906601,589365,16.5,L4.8
N,906572,589462,13.5,L4.9
N,906548,589537,11.2,L4.10
L14 SB INNER MAIN LANE 573+00 - 587+00,16,
N,906818,588699,37.5,L14.1
N,906788,588795,34.5,L14.2
N,906758,588890,31.4,L14.3
N,906729,588987,28.5,L14.4
N,906700,589081,25.5,L14.5
N,906671,589178,22.5,L14.6
N,906641,589273,19.5,L14.7
N,906612,589369,16.5,L14.8
N,906582,589465,13.5,L14.9
N,906560,589540,11.2,L14.10
L54 SB HOV LANE 573+00 - 587+00,17,

N,906827,588702,37.6,L54.1
N,906797,588798,34.6,L54.2
N,906769,588894,31.5,L54.3
N,906739,588989,28.6,L54.4
N,906710,589085,25.7,L54.5
N,906679,589181,22.7,L54.6
N,906651,589276,19.7,L54.7
N,906621,589371,16.7,L54.8
N,906591,589468,13.7,L54.9
N,906568,589543,11.3,L54.10
L53 SB HOV LANE 573+00 - 587+00,18,
N,906843,588707,37.6,L53.1
N,906813,588803,34.6,L53.2
N,906784,588898,31.5,L53.3
N,906754,588995,28.6,L53.4
N,906726,589091,25.7,L53.5
N,906696,589186,22.7,L53.6
N,906667,589281,19.7,L53.7
N,906637,589377,16.7,L53.8
N,906608,589473,13.7,L53.9
N,906584,589548,11.3,L53.10
L13 NB INNER MAIN LANE 573+00 - 587+00,19,
N,906852,588710,37.5,L13.1
N,906822,588806,34.5,L13.2
N,906793,588901,31.4,L13.3
N,906763,588997,28.5,L13.4
N,906736,589093,25.5,L13.5
N,906706,589189,22.5,L13.6
N,906676,589284,19.5,L13.7
N,906647,589380,16.5,L13.8
N,906617,589476,13.5,L13.9
N,906595,589551,11.1,L13.10
L3 NB OUTER MAIN LANE 573+00 - 587+00,20,
N,906863,588713,37.5,L3.1
N,906833,588808,34.5,L3.2
N,906804,588904,31.4,L3.3
N,906773,589000,28.5,L3.4
N,906746,589096,25.5,L3.5
N,906716,589192,22.5,L3.6
N,906686,589287,19.5,L3.7
N,906657,589383,16.5,L3.8
N,906628,589479,13.5,L3.9
N,906604,589554,11.1,L3.10
L32 - SB DelMar Hts Loop On-ramp,21,
N,907089,587133,67.7,L32.1
N,907070,587226,70.4,L32.2
N,907052,587325,72.2,L32.3
N,907039,587377,72.5,L32.4
N,907016,587409,73.1,L32.5
N,906986,587415,74.5,L32.6
N,906957,587400,77.3,L32.7
N,906946,587368,80.5,L32.8
N,906947,587339,82.8,L32.9
N,906972,587281,86.4,L32.10
L30 - SB Del Mar Heights On-ramp,22,
N,907078,587024,68.6,L30.7

N,907055,587121,76.6,L30.8
N,907036,587166,80.5,L30.9
N,907009,587204,84.5,L30.10
N,906980,587240,86.5,L30.11
L31 - NB Del Mar Hts Off-ramp,23,
N,907172,586948,61.7,L31.1
N,907167,587018,63.9,L31.2
N,907162,587077,65.5,L31.3
N,907159,587137,67.8,L31.4,
N,907165,587196,71.4,L31.5,
N,907181,587253,75.2,L31.6,
N,907193,587298,77.5,L31.7,
N,907188,587337,78.3,L31.8,
B1 WEST SIDE NEAR R1 R2,1,2,0,0,
906887,587511,99.7,99.7,B1.1,
906927,587490,96,96,B1.2,
906927,587490,96,98.4,B1.2,
906938,587521,94,96.4,B1.3,
906949,587588,94,96.4,B1.4,
906935,587631,94,96.4,B1.5,
906935,587631,94,94,B1.5,
906911,587639,94,94,B1.6,
906885,587640,94,94,B1.7,
B2 WEST SIDE NEAR R3 - R6,2,2,0,0,
906886,587643,93,93,B2.1
906910,587644,93,93,B2.2
906946,587647,92.2,92.2,B2.3
906946,587647,92.2,95.9,B2.3
906942,587670,92,95.7,B2.4
906928,587739,92.9,96.6,B2.5
906928,587739,92.9,92.9,B2.5
906919,587739,93,93,B2.6
B2 WEST SIDE NEAR R3 - R6,2,2,0,0
906928,587739,90,93.0,B2.5
906899,587846,88.7,91.7,B2.7
906899,587846,88.7,88.7,B2.7
906881,587842,89.2,89.2,B2.8
B3 WEST SIDE PROPERTY LINE NEAR R7 - R9,3,2,0,0
906827,587858,99,99,B3.1
906845,587861,99,99,B3.2
906880,587865,99,99,B3.3
906881,587907,99.1,99.1,B3.4
906868,587946,99.3,99.3,B3.5
906863,587982,99.5,99.5,B3.6
906863,587982,99.5,101.9,B3.6
906853,588018,99.9,102.3,B3.7
906834,588110,100.2,102.6,B3.8
906832,588118,100,102.4,B3.8A
B3 WEST SIDE PROPERTY LINE NEAR R7 - R9,4,2,0,0
906832,588118,100,100,B3.8A
906830,588132,96,96,B3.9A
906830,588132,96,100.9,B3.9A
906814,588203,96.2,101.1,B3.9
906814,588203,96.2,96.2,B3.9
906801,588208,96,96,B3.11
B20 NAT BAR WEST SIDE NEAR R10,5,2,0,0

906817,588418,50,50,B20.1,
906831,588460,44,44,B20.2,
906848,588506,38,38,B20.3,
B55 - Center Divider ST 555 to 558,6,2,0,0,
907141,586939,62,63,B55.1,
907128,587034,65,66,B55.2,
907113,587135,68,69,B55.3,
907098,587240,71,72,B55.4,
907080,587351,72.7,73.7,B50.1,
B50 CENTER DIVIDER 559+30 - 568+00,7,2,0,0,
907080,587351,72.7,73.7,B50.1,
907068,587428,73.2,74.2,B50.2,
907054,587527,72.6,73.6,B50.3,
907039,587626,70.6,71.6,B50.4,
907026,587714,68,69,B50.5,
907011,587817,65.1,66.1,B50.6,
906996,587917,62,63,B50.7,
906981,588015,59,60,B50.8,
906967,588113,56,57,B50.9,
906951,588215,53,54,B50.10,
B51 CENTER DIVIDER 568+00 - 577+00,8,2,0,0,
906951,588215,53,54,B51.1,
906935,588314,50,51,B51.2,
906914,588416,46.8,47.8,B51.3,
906891,588513,43.8,44.8,B51.4,
906864,588609,40.7,41.7,B51.5,
906835,588705,37.6,38.6,B51.6,
906806,588801,34.6,35.6,B51.7,
906776,588896,31.5,32.5,B51.8,
906747,588992,28.6,29.6,B51.9,
906718,589087,25.7,26.7,B51.10,
B52 CENTER DIVIDER 577+00 - 579+00,9,2,0,0,
906718,589087,25.7,26.7,B52.1,
906688,589183,22.7,23.7,B52.2,
906658,589278,19.7,20.7,B52.3,
B4 FUTURE SHOULDER WEST SIDE NEAR L2 L4,10,2,0,0,
906877,588409,46.5,46.5,B4.1,
906866,588454,44.5,44.5,B4.2,
906866,588454,44.5,48.2,B4.2,
906854,588504,43.6,47.3,B4.3,
906829,588597,40.6,44.3,B4.4,
906800,588692,37.5,41.2,B4.5,
B4 FUTURE SHOULDER WEST SIDE NEAR L2 L4,11,2,0,0,
906800,588692,37.5,41.8,B4.5,
906769,588791,34.5,38.8,B4.6,
906740,588884,31.4,35.7,B4.7,
906710,588982,28.5,32.8,B4.8,
906694,589035,26,30.3,B4.9,
906694,589035,26,30.3,B4.9,
906681,589076,25.5,29.8,B4.10,
B71 - Nat Bar NB Del Mar Hts Overcrossing,12,2,0,0,
907167,587237,74,74,B71.1,
907177,587276,76,76,B71.2,
907177,587314,77,77,B71.3,
907176,587340,78.8,78.8,B71.4,
907121,587314,79.5,79.5,B71.5,

907116,587345,79.5,79.5,B71.6,
907162,587366,78.8,78.8,B71.7,
907152,587392,78,78,B71.8,
907123,587440,76,76,B71.9,
B19 - Nat Bar Del Mar Hts Overcrossing SB side,13,2,0,0,
906979,587251,86.6,86.6,B18.8,
907009,587261,84.5,84.5,B18.9,
907046,587277,82.5,82.5,B19.1,
907042,587310,82,82,B19.2,
907006,587293,83.8,83.8,B19.3,
906987,587294,83.5,83.5,B19.4,
906961,587317,82,82,B19.5,
R,1,67,4
906931,587541,95.9,R1
R,2,67,4
906936,587611,95.9,R2
R,3,67,4
906931,587674,94.4,R3
R,4,67,4
906911,587698,94.4,R4
R,5,67,4
906901,587787,90.8,R5
R,6,67,4
906891,587833,90.3,R6
R,7,67,4
906875,587912,100.6,R7
R,8,67,4
906853,587996,101.8,R7A
R,8,67,4
906838,588068,101.8,R8
R,9,67,4
906828,588103,101.8,R8A
R,9,67,4
906815,588170,101.3,R9
R,10,67,4
906817,588525,37.2,R10
R,11,67,4
906803,588562,31,R11
R,12,67,4
906743,588624,28.5,R12
R,13,67,4
906695,588715,18.2,R13
R,14,67,4
906667,588795,14.3,R14
R,15,67,4
906604,588787,14.8,R15
D,4.5
ALL,ALL
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
05 DEL MAR HEIGHTS TO VIA DEL VALLE WEST,BUILD,DGN,FT

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	- 0.*								B1.1	148.8	
2	- 4.*								B1.2	7.8	
3	- 8.*								B1.2	108.1	
4	- 8.*								B1.3	222.8	
5	- 8.*								B1.4	148.3	
6	- 4.*								B1.5	7.9	
7	- 0.*								B1.5	83.0	
8	- 0.*								B1.6	85.4	
9	- 0.*								B2.1	78.8	
10	- 0.*								B2.2	118.5	
11	- 6.*								B2.3	12.1	
12	- 12.*								B2.3	76.6	
13	- 12.*								B2.4	231.0	
14	- 6.*								B2.5	12.1	
15	- 0.*								B2.5	29.6	
16	- 10.*								B2.5	363.7	
17	- 5.*								B2.7	9.9	
18	- 0.*								B2.7	60.5	
19	- 0.*								B3.1	59.9	
20	- 0.*								B3.2	115.5	
21	- 0.*								B3.3	137.8	
22	- 0.*								B3.4	134.9	
23	- 0.*								B3.5	119.2	
24	- 4.*								B3.6	7.9	
25	- 8.*								B3.6	122.6	
26	- 8.*								B3.7	308.3	
27	- 8.*								B3.8	27.0	
28	- 0.*								B3.8A	48.2	
29	- 8.*								B3.9A	16.0	
30	- 16.*								B3.9A	238.8	
31	- 8.*								B3.9	16.1	
32	- 0.*								B3.9	45.7	
33	- 0.*								B20.1	146.6	
34	- 0.*								B20.2	162.2	
35	- 3.*								B55.1	314.8	
36	- 3.*								B55.2	335.1	
37	- 3.*								B55.3	348.1	

38	-	3.*	B55.4	369.0
39	-	3.*	B50.1	255.7
40	-	3.*	B50.2	328.0
41	-	3.*	B50.3	328.6
42	-	3.*	B50.4	291.9
43	-	3.*	B50.5	341.7
44	-	3.*	B50.6	331.8
45	-	3.*	B50.7	325.5
46	-	3.*	B50.8	324.9
47	-	3.*	B50.9	338.8
48	-	3.*	B51.1	329.2
49	-	3.*	B51.2	341.9
50	-	3.*	B51.3	327.2
51	-	3.*	B51.4	327.4
52	-	3.*	B51.5	329.2
53	-	3.*	B51.6	329.1
54	-	3.*	B51.7	327.0
55	-	3.*	B51.8	329.2
56	-	3.*	B51.9	325.9
57	-	3.*	B52.1	330.2
58	-	3.*	B52.2	327.0
59	-	0.*	B4.1	152.2
60	-	6.*	B4.2	12.1
61	-	12.*	B4.2	168.7
62	-	12.*	B4.3	316.1
63	-	12.*	B4.4	326.1
64	-	14.*	B4.5	340.5
65	-	14.*	B4.6	319.7
66	-	14.*	B4.7	336.4
67	-	14.*	B4.8	181.8
68	-	14.*	B4.9	.0
69	-	14.*	B4.9	141.1
70	-	0.*	B71.1	132.2
71	-	0.*	B71.2	124.7
72	-	0.*	B71.3	85.6
73	-	0.*	B71.4	199.6
74	-	0.*	B71.5	103.0
75	-	0.*	B71.6	165.9
76	-	0.*	B71.7	91.4
77	-	0.*	B71.8	184.2
78	-	0.*	B18.8	104.0
79	-	0.*	B18.9	132.4
80	-	0.*	B19.1	109.1
81	-	0.*	B19.2	130.8
82	-	0.*	B19.3	62.5
83	-	0.*	B19.4	114.0

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0 1 2 3 4 5 6 7

1

REC REC ID DNL PEOPLE LEQ(CAL)
---
 1 R1   67.   500. 66.9
 2 R2   67.   500. 68.0
 3 R3   67.   500. 66.1
 4 R4   67.   500. 65.1
 5 R5   67.   500. 64.1
 6 R6   67.   500. 67.2
 7 R7   67.   500. 73.1
 8 R7A   67.   500. 66.9
 9 R8   67.   500. 65.5
10 R8A   67.   500. 65.2
11 R9   67.   500. 67.4
12 R10   67.   500. 68.4
13 R11   67.   500. 65.4
14 R12   67.   500. 65.3
15 R13   67.   500. 63.3
16 R14   67.   500. 63.3
17 R15   67.   500. 63.3
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
 1 1 1 1 1 1 1 1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 0. 4. 8. 8. 8. 4. 0. 0. 0. 0. 6.12.12. 6. 0.10. 5. 0. 0. 0. 0. 0. 0. 4. 8.
 8. 8. 0. 8.16. 8. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
 3. 3. 3. 3. 3. 3. 3. 0. 6.12.12.12.14.14.14.14.14.14. 0. 0. 0. 0. 0. 0.
 0. 0. 0. 0. 0. 0. 0. 0.

05 Del Mar Heights to Via Del Valle,EAST - No Build,0,Ft
T-L21 DEL MAR HEIGHTS ON-RAMP TO NB,1
950,45,24,45,26,45
T-L22 SB OFF-RAMP TO DEL MAR HEIGHTS RD,2
950,45,24,45,26,45
T-L8 - SB General - Outer ST 552 to 558,3
0,65,0,65,0,65
T-L2 SB OUTER MAIN LANE 559+30 - 573+00,4
0,65,0,65,0,65
T-L18 - SB General - Inner ST 552 to 558,5
6784,65,176,65,244,65
T-L12 SB INNER MAIN LANE 559+30 - 573+00,6
8480,65,220,65,305,65
T-L58 - SB HOV ST 552 to 558,7
1500,65,0,65,0,65
T-L52 SB HOV LANE 559+30 - 573+00,8
1500,65,0,65,0,65
T-L57 - NB HOV ST 552 to 558,9
1500,65,0,65,0,65
T-L51 NB HOV LANE 559+30 - 573+00,10
1500,65,0,65,0,65
T-L17 - NB General - Inner ST 552 to 558,11
8480,65,220,65,305,65
T-L11 NB INNER MAIN LANE 559+30 - 573+00,12
8480,65,220,65,305,65
T-L7 - NB General - Outer St 552 to 558,13
0,65,0,65,0,65
T-L1 NB OUTER MAIN LANE 559+30 - 573+00,14
0,65,0,65,0,65
T-L4 SB OUTER MAIN LANE 573+00 - 587+00,15
0,65,0,65,0,65
T-L14 SB INNER MAIN LANE 573+00 - 587+00,16
8480,65,220,65,305,65
T-L54 SB HOV LANE 573+00 - 587+00,17
1500,65,0,65,0,65
T-L53 NB HOV LANE 573+00 - 587+00,18
1500,65,0,65,0,65
T-L13 NB INNER MAIN LANE 573+00 - 587+00,19
8480,65,220,65,305,65
T-L3 NB OUTER MAIN LANE 573+00 - 587+00,20
0,65,0,65,0,65
T-L32 - SB Del Mar Heights On-ramp (Loop),21
950,25,24,25,26,25
T-L30 - SB Del Mar Heights On-ramp,22
665,45,17,45,18,45
T-L31 - NB Del Mar Hts Off-ramp,23
1273,45,32,45,35,45
L21 DEL MAR HEIGHTS ON-RAMP TO NB,1
N,907165,587374,78.8,L21.1
N,907147,587406,77.8,L21.2
N,907109,587484,73.6,L21.3
N,907095,587540,72,L21.4
N,907082,587594,71,L21.5
N,907074,587635,70.3,L21.6
N,907063,587691,68.6,L21.7
N,907054,587750,66.9,L21.8

N,907044,587821,64.9,L21.9
N,907030,587919,62.4,L21.10
N,907015,588019,58.8,L21.11
N,907002,588120,55.8,L21.12
N,906981,588221,53.1,L21.13
L22 SB OFF-RAMP TO DEL MAR HEIGHTS RD,2,
N,906943,587276,86.6,L22.1
N,906927,587314,85.8,L22.2
N,906925,587357,84.6,L22.3
N,906935,587395,82.9,L22.4
N,906951,587431,80.8,L22.5
N,906979,587485,77.8,L22.6
N,906994,587542,74.8,L22.7
N,906995,587601,71.7,L22.8
N,906990,587680,68.5,L22.9
N,906986,587760,66.7,L22.10
N,906972,587910,62,L22.11
L8 - SB General - Outer ST 552 to 558,3,
N,907118,586937,61.9,L8.4
N,907105,587030,64.7,L8.5
N,907089,587133,67.7,L8.6
N,907072,587236,70.7,L8.7
N,907055,587347,72.6,L2.1
L2 SB OUTER MAIN LANE 559+30 - 573+00,4,
N,907055,587347,72.6,L2.1
N,907043,587425,72.8,L2.2
N,907028,587523,72.4,L2.3
N,907014,587623,70.5,L2.4
N,907000,587712,68,L2.5
N,906986,587813,64.9,L2.6
N,906972,587910,62,L2.7
N,906956,588011,58.8,L2.8
N,906940,588108,55.8,L2.9
N,906924,588209,52.8,L2.10
N,906907,588307,49.8,L2.11
N,906886,588410,46.6,L2.12
N,906863,588506,43.6,L2.13
N,906836,588600,40.6,L2.14
N,906807,588695,37.5,L2.15
L18 - SB General - Inner ST 552 to 558,5,
N,907128,586938,61.9,L18.4
N,907115,587033,64.7,L18.5
N,907098,587135,67.7,L18.6
N,907083,587238,70.7,L18.7
N,907065,587348,72.6,L12.1
L12 SB INNER MAIN LANE 559+30 - 573+00,6,
N,907065,587348,72.6,L12.1
N,907053,587427,72.8,L12.2
N,907039,587525,72.4,L12.3
N,907025,587624,70.5,L12.4
N,907011,587712,68,L12.5
N,906996,587814,64.9,L12.6
N,906982,587912,62,L12.7
N,906966,588012,58.8,L12.8
N,906951,588109,55.8,L12.9
N,906934,588211,52.8,L12.10

N,906918,588309,49.8,L12.11
N,906896,588412,46.6,L12.12
N,906873,588509,43.6,L12.13
N,906847,588603,40.6,L12.14
N,906818,588699,37.5,L12.15
L58 - SB HOV ST 552 to 558,7,
N,907137,586939,62,L58.4
N,907124,587034,65,L58.5
N,907107,587137,68,L58.6
N,907092,587240,71,L58.7
N,907074,587350,72.7,L52.1
L52 SB HOV LANE 559+30 - 573+00,8,
N,907074,587350,72.7,L52.1
N,907062,587428,73.2,L52.2
N,907047,587527,72.6,L52.3
N,907033,587626,70.6,L52.4
N,907020,587714,68,L52.5
N,907005,587816,65.1,L52.6
N,906990,587915,62,L52.7
N,906975,588015,59,L52.8
N,906958,588112,56,L52.9
N,906944,588213,53,L52.10
N,906927,588311,50,L52.11
N,906907,588414,46.8,L52.12
N,906883,588511,43.8,L52.13
N,906856,588607,40.7,L52.14
N,906827,588702,37.6,L52.15
L57 - NB HOV ST 552 to 558,9,
N,907147,586940,62,L57.4
N,907133,587038,65,L57.5
N,907119,587136,68,L57.6
N,907103,587241,71,L57.7
N,907087,587351,72.8,L51.1
L51 NB HOV LANE 559+30 - 573+00,10,
N,907087,587351,72.8,L51.1
N,907074,587429,73.2,L51.2
N,907060,587528,72.6,L51.3
N,907045,587627,70.6,L51.4
N,907032,587716,68,L51.5
N,907016,587818,65.1,L51.6
N,907002,587917,62,L51.7
N,906988,588016,59,L51.8
N,906974,588115,56,L51.9
N,906960,588218,53,L51.10
N,906944,588316,50,L51.11
N,906923,588418,46.8,L51.12
N,906899,588515,43.8,L51.13
N,906872,588612,40.7,L51.14
N,906843,588707,37.6,L51.15
L17 - NB General - Inner ST 552 to 558,11,
N,907156,586942,61.9,L17.4
N,907142,587039,64.8,L17.5
N,907127,587138,67.8,L17.6
N,907113,587243,70.8,L17.7
N,907094,587352,72.4,L11.1
L11 NB INNER MAIN LANE 559+30 - 573+00,12,

N,907094,587352,72.4,L11.1
N,907083,587430,72.8,L11.2
N,907069,587529,72.4,L11.3
N,907054,587628,70.5,L11.4
N,907041,587717,68,L11.5
N,907026,587819,64.9,L11.6
N,907012,587917,62,L11.7
N,906997,588016,58.8,L11.8
N,906983,588117,55.8,L11.9
N,906970,588219,53.1,L11.10
N,906953,588318,50.2,L11.11
N,906933,588421,47,L11.12
N,906909,588519,44,L11.13
N,906882,588616,40.9,L11.14
N,906852,588710,37.5,L11.15
L7 - NB General - Outer St 552 to 558,13,
N,907165,586945,61.9,L7.4
N,907151,587042,64.8,L7.5
N,907138,587141,67.8,L7.6
N,907123,587246,70.8,L7.7
N,907105,587353,72.4,L1.1
L1 NB OUTER MAIN LANE 559+30 - 573+00,14,
N,907105,587353,72.4,L1.1
N,907093,587432,72.8,L1.2
N,907080,587530,72.4,L1.3
N,907064,587630,70.5,L1.4
N,907050,587718,68,L1.5
N,907036,587821,64.9,L1.6
N,907022,587918,62,L1.7
N,907008,588017,58.8,L1.8
N,906995,588118,55.8,L1.9
N,906981,588221,53.1,L1.10
N,906964,588320,50.2,L1.11
N,906941,588423,47,L1.12
N,906918,588521,44,L1.13
N,906891,588618,40.9,L1.14
N,906863,588713,37.5,L1.15
L4 SB OUTER MAIN LANE 573+00 - 587+00,15,
N,906807,588695,37.5,L4.1
N,906778,588792,34.5,L4.2
N,906748,588886,31.4,L4.3
N,906719,588983,28.5,L4.4
N,906689,589078,25.5,L4.5
N,906659,589174,22.5,L4.6
N,906631,589269,19.5,L4.7
N,906601,589365,16.5,L4.8
N,906572,589462,13.5,L4.9
N,906548,589537,11.2,L4.10
L14 SB INNER MAIN LANE 573+00 - 587+00,16,
N,906818,588699,37.5,L14.1
N,906788,588795,34.5,L14.2
N,906758,588890,31.4,L14.3
N,906729,588987,28.5,L14.4
N,906700,589081,25.5,L14.5
N,906671,589178,22.5,L14.6
N,906641,589273,19.5,L14.7

N,906612,589369,16.5,L14.8
N,906582,589465,13.5,L14.9
N,906560,589540,11.2,L14.10
L54 SB HOV LANE 573+00 - 587+00,17,
N,906827,588702,37.6,L54.1
N,906797,588798,34.6,L54.2
N,906769,588894,31.5,L54.3
N,906739,588989,28.6,L54.4
N,906710,589085,25.7,L54.5
N,906679,589181,22.7,L54.6
N,906651,589276,19.7,L54.7
N,906621,589371,16.7,L54.8
N,906591,589468,13.7,L54.9
N,906568,589543,11.3,L54.10
L53 SB HOV LANE 573+00 - 587+00,18,
N,906843,588707,37.6,L53.1
N,906813,588803,34.6,L53.2
N,906784,588898,31.5,L53.3
N,906754,588995,28.6,L53.4
N,906726,589091,25.7,L53.5
N,906696,589186,22.7,L53.6
N,906667,589281,19.7,L53.7
N,906637,589377,16.7,L53.8
N,906608,589473,13.7,L53.9
N,906584,589548,11.3,L53.10
L13 NB INNER MAIN LANE 573+00 - 587+00,19,
N,906852,588710,37.5,L13.1
N,906822,588806,34.5,L13.2
N,906793,588901,31.4,L13.3
N,906763,588997,28.5,L13.4
N,906736,589093,25.5,L13.5
N,906706,589189,22.5,L13.6
N,906676,589284,19.5,L13.7
N,906647,589380,16.5,L13.8
N,906617,589476,13.5,L13.9
N,906595,589551,11.1,L13.10
L3 NB OUTER MAIN LANE 573+00 - 587+00,20,
N,906863,588713,37.5,L3.1
N,906833,588808,34.5,L3.2
N,906804,588904,31.4,L3.3
N,906773,589000,28.5,L3.4
N,906746,589096,25.5,L3.5
N,906716,589192,22.5,L3.6
N,906686,589287,19.5,L3.7
N,906657,589383,16.5,L3.8
N,906628,589479,13.5,L3.9
N,906604,589554,11.1,L3.10
L32 - SB DelMar Hts Loop On-ramp,21,
N,907089,587133,67.7,L32.1
N,907074,587206,70,L32.2
N,907058,587284,71.6,L32.3
N,907045,587344,72.2,L32.4
N,907029,587376,72.6,L32.5
N,906995,587389,74.8,L32.6
N,906964,587377,78,L32.7
N,906949,587355,80.4,L32.8

N,906950,587327,82.8,L32.9
N,906970,587283,86,L32.10
L30 - SB Del Mar Heights On-ramp,22,
N,907102,586967,63.8,L30.7
N,907082,587045,69.7,L30.8
N,907061,587122,76,L30.9
N,907051,587151,78.4,L30.10
N,907036,587175,80.7,L30.11
N,907010,587206,84,L30.12
N,906992,587228,86,L30.13
N,906980,587242,86.6,L30.14
L31 - NB Del Mar Hts Off-ramp,23,
N,907172,586948,61.7,L31.1
N,907167,587018,63.9,L31.2
N,907162,587077,65.5,L31.3
N,907159,587137,67.8,L31.4
N,907165,587196,71.4,L31.5
N,907181,587253,75.2,L31.6
N,907193,587298,77.5,L31.7
N,907188,587337,78.3,L31.8
B5 6FT PROPERTY WALL EAST SIDE NEAR R16,1,2,0,0
907205,587420,85,86.8,B5.1
907180,587426,84.1,85.9,B5.2
907149,587468,84.3,86.1,B5.3
907132,587503,84.1,85.9,B5.4
907117,587580,84.2,86,B5.5
907114,587620,85.3,87.1,B5.6
907126,587630,85.6,87.4,B5.7
B6 10FT WALL EAST SIDE NEAR R17 - R20,2,2,0,0
907142,587646,87.4,90.4,B6.1
907117,587641,87.2,90.2,B6.2
907113,587731,88.1,91.1,B6.3
907107,587808,89.1,92.1,B6.4
907116,587903,94.7,97.7,B6.5
907114,587976,98.6,101.6,B6.6
907116,588013,100,103,B6.7
907118,588067,100.8,103.8,B6.8
907169,588072,102.1,105.1,B6.9
B21 EAST SIDE NEAR R21 - R23,3,2,0,0
907110,588063,100,100,B21.1
907091,588107,100,100,B21.2
907089,588118,100,100,B21.3
907112,588138,100,100,B21.4
907138,588174,100,100,B21.5
907129,588181,100,100,B21.6
907133,588192,100,100,B21.7
907141,588201,100,100,B21.8
B100 EAST SIDE NAT BAR NEAR R18 - R21,4,2,0,0
907097,587710,84,84,B100.1
907092,587777,86.9,86.9,B100.2
907091,587833,88,88,B100.3
907089,587878,90,90,B100.4
907092,587910,92,92,B100.5
907096,587948,96,96,B100.6
907093,588002,96,96,B100.7
907091,588033,96.1,96.1,B100.8

907091,588071,98,98,B100.9
907091,588107,100,100,B100.10
B55 - Center Divider ST 555 to 558,5,2,0,0
907141,586939,62,63,B55.1
907128,587034,65,66,B55.2
907113,587135,68,69,B55.3
907098,587240,71,72,B55.4
907080,587351,72.7,73.7,B50.1
B50 CENTER DIVIDER 559+30 - 568+00,6,2,0,0
907080,587351,72.7,73.7,B50.1
907068,587428,73.2,74.2,B50.2
907054,587527,72.6,73.6,B50.3
907039,587626,70.6,71.6,B50.4
907026,587714,68,69,B50.5
907011,587817,65.1,66.1,B50.6
906996,587917,62,63,B50.7
906981,588015,59,60,B50.8
906967,588113,56,57,B50.9
906951,588215,53,54,B50.10
B51 CENTER DIVIDER 568+00 - 577+00,7,2,0,0
906951,588215,53,54,B51.1
906935,588314,50,51,B51.2
906914,588416,46.8,47.8,B51.3
906891,588513,43.8,44.8,B51.4
906864,588609,40.7,41.7,B51.5
906835,588705,37.6,38.6,B51.6
906806,588801,34.6,35.6,B51.7
906776,588896,31.5,32.5,B51.8
906747,588992,28.6,29.6,B51.9
906718,589087,25.7,26.7,B51.10
B52 CENTER DIVIDER 577+00 - 579+00,8,2,0,0
906718,589087,25.7,26.7,B52.1
906688,589183,22.7,23.7,B52.2
906658,589278,19.7,20.7,B52.3
B71 - Nat Bar NB Del Mar Hts Overcrossing,9,2,0,0
907167,587237,74,74,B71.1
907177,587276,76,76,B71.2
907177,587314,77,77,B71.3
907176,587340,78.8,78.8,B71.4
907121,587314,79.5,79.5,B71.5
907116,587345,79.5,79.5,B71.6
907162,587366,78.8,78.8,B71.7
907152,587392,78,78,B71.8
907123,587440,76,76,B71.9
B19 - Nat Bar Del Mar Hts Overcrossing SB side,10,2,0,0
906979,587251,86.6,86.6,B18.8
907009,587261,84.5,84.5,B18.9
907046,587277,82.5,82.5,B19.1
907042,587310,82,82,B19.2
907006,587293,83.8,83.8,B19.3
906987,587294,83.5,83.5,B19.4
906961,587317,82,82,B19.5
R,1,67,4
907180,587435,85.4,R16
R,2,67,4
907166,587556,87,R16A

R,3,67,4
907121,587646,88.8,R17
R,3,67,4
907113,587752,89.8,R18
R,4,67,4
907116,587873,93.9,R19
R,5,67,4
907125,588060,102.2,R20
R,6,67,4
907118,588077,103.7,R21
R,7,67,4
907121,588133,103.3,R22
R,8,67,4
907140,588185,103.2,R23
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
05 DEL MAR HEIGHTS TO VIA DEL VALLE,EAST - NO BUILD,0,FT

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	- 6.*								B5.1	84.5	
2	- 6.*								B5.2	171.3	
3	- 6.*								B5.3	127.6	
4	- 6.*								B5.4	257.4	
5	- 6.*								B5.5	131.6	
6	- 6.*								B5.6	51.3	
7	- 10.*								B6.1	83.7	
8	- 10.*								B6.2	295.6	
9	- 10.*								B6.3	253.4	
10	- 10.*								B6.4	313.6	
11	- 10.*								B6.5	239.9	
12	- 10.*								B6.6	121.7	
13	- 10.*								B6.7	177.3	
14	- 10.*								B6.8	168.2	
15	- 0.*								B21.1	157.2	
16	- 0.*								B21.2	36.7	
17	- 0.*								B21.3	99.9	
18	- 0.*								B21.4	145.7	
19	- 0.*								B21.5	37.4	
20	- 0.*								B21.6	38.4	
21	- 0.*								B21.7	39.5	
22	- 0.*								B100.1	220.6	
23	- 0.*								B100.2	183.9	
24	- 0.*								B100.3	147.9	
25	- 0.*								B100.4	105.7	
26	- 0.*								B100.5	126.1	
27	- 0.*								B100.6	177.4	
28	- 0.*								B100.7	101.9	
29	- 0.*								B100.8	124.9	
30	- 0.*								B100.9	118.3	
31	- 3.*								B55.1	314.8	
32	- 3.*								B55.2	335.1	
33	- 3.*								B55.3	348.1	
34	- 3.*								B55.4	369.0	
35	- 3.*								B50.1	255.7	
36	- 3.*								B50.2	328.0	
37	- 3.*								B50.3	328.6	
38	- 3.*								B50.4	291.9	

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39    -  3.*                    B50.5     341.7
40    -  3.*                    B50.6     331.8
41    -  3.*                    B50.7     325.5
42    -  3.*                    B50.8     324.9
43    -  3.*                    B50.9     338.8

44    -  3.*                    B51.1     329.2
45    -  3.*                    B51.2     341.9
46    -  3.*                    B51.3     327.2
47    -  3.*                    B51.4     327.4
48    -  3.*                    B51.5     329.2
49    -  3.*                    B51.6     329.1
50    -  3.*                    B51.7     327.0
51    -  3.*                    B51.8     329.2
52    -  3.*                    B51.9     325.9

53    -  3.*                    B52.1     330.2
54    -  3.*                    B52.2     327.0

55    -  0.*                    B71.1     132.2
56    -  0.*                    B71.2     124.7
57    -  0.*                    B71.3      85.6
58    -  0.*                    B71.4     199.6
59    -  0.*                    B71.5     103.0
60    -  0.*                    B71.6     165.9
61    -  0.*                    B71.7      91.4
62    -  0.*                    B71.8     184.2

63    -  0.*                    B18.8     104.0
64    -  0.*                    B18.9     132.4
65    -  0.*                    B19.1     109.1
66    -  0.*                    B19.2     130.8
67    -  0.*                    B19.3      62.5
68    -  0.*                    B19.4     114.0
-------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
---------------------------------
 1  R16      67.    500.   67.9
 2  R16A     67.    500.   65.2
 3  R17      67.    500.   64.4
 4  R18      67.    500.   63.1
 5  R19      67.    500.   62.9
 6  R20      67.    500.   61.5
 7  R21      67.    500.   67.4
 8  R22      67.    500.   70.4
 9  R23      67.    500.   72.4
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 6. 6. 6. 6. 6. 6.10.10.10.10.10.10.10.10. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
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05 Del Mar Heights to Via Del Valle EAST,Build,Bld,Ft
T-L21 DEL MAR HEIGHTS ON-RAMP TO NB,1
950,45,24,45,26,45
T-L22 SB OFF-RAMP TO DEL MAR HEIGHTS RD,2
1900,45,48,45,52,45
T-L8 - SB General - Outer ST 552 to 558,3
5088,65,132,65,366,65
T-L2 SB OUTER MAIN LANE 559+30 - 573+00,4
5088,65,132,65,366,65
T-L18 - SB General - Inner ST 552 to 558,5
5088,65,132,65,366,65
T-L12 SB INNER MAIN LANE 559+30 - 573+00,6
5088,65,132,65,366,65
T-L58 - SB HOV ST 552 to 558,7
3000,65,0,65,0,65
T-L52 SB HOV LANE 559+30 - 573+00,8
3000,65,0,65,0,65
T-L57 - NB HOV ST 552 to 558,9
3000,65,0,65,0,65
T-L51 NB HOV LANE 559+30 - 573+00,10
3000,65,0,65,0,65
T-L17 - NB General - Inner ST 552 to 558,11
5088,65,132,65,366,65
T-L11 NB INNER MAIN LANE 559+30 - 573+00,12
5088,65,132,65,366,65
T-L7 - NB General - Outer St 552 to 558,13
5088,65,132,65,366,65
T-L1 NB OUTER MAIN LANE 559+30 - 573+00,14
5088,65,132,65,366,65
T-L4 SB OUTER MAIN LANE 573+00 - 587+00,15
5088,65,132,65,366,65
T-L14 SB INNER MAIN LANE 573+00 - 587+00,16
5088,65,132,65,366,65
T-L54 SB HOV LANE 573+00 - 587+00,17
3000,65,0,65,0,65
T-L53 NB HOV LANE 573+00 - 587+00,18
3000,65,0,65,0,65
T-L13 NB INNER MAIN LANE 573+00 - 587+00,19
5088,65,132,65,366,65
T-L3 NB OUTER MAIN LANE 573+00 - 587+00,20
5088,65,132,65,366,65
T-L32 - SB Del Mar Heights On-ramp (Loop),21
950,25,24,25,26,25
T-L30 - SB Del Mar Heights On-ramp,22
950,45,24,45,26,45
T-L31 - NB Del Mar Hts Off-ramp,23
1900,45,48,45,52,45
L21 DEL MAR HEIGHTS ON-RAMP TO NB,1
N,907169,587371,78.6,L21.1
N,907132,587441,76,L21.2
N,907115,587476,75,L21.3
N,907101,587536,71.9,L21.4
N,907082,587632,70,L21.5
N,907062,587730,67.1,L21.6
N,907046,587830,64.9,L21.7
N,907032,587927,62,L21.8

N,907017,588026,58.8,L21.9
N,907003,588126,55.8,L21.10
N,906981,588221,53.1,L21.11
L22 SB OFF-RAMP TO DEL MAR HEIGHTS RD,2,
N,906958,587277,86.6,L22.1
N,906934,587334,85.3,L22.2
N,906931,587375,83.4,L22.3
N,906944,587414,81.5,L22.4
N,906993,587523,75.5,L22.5
N,906998,587581,72.5,L22.6
N,906989,587720,67.2,L22.7
N,906981,587810,64.9,L22.8
N,906972,587910,62,L22.9
L8 - SB General - Outer ST 552 to 558,3,
N,907118,586937,61.9,L8.4
N,907105,587030,64.7,L8.5
N,907089,587133,67.7,L8.6
N,907072,587236,70.7,L8.7
N,907055,587347,72.6,L2.1
L2 SB OUTER MAIN LANE 559+30 - 573+00,4,
N,907055,587347,72.6,L2.1
N,907043,587425,72.8,L2.2
N,907028,587523,72.4,L2.3
N,907014,587623,70.5,L2.4
N,907000,587712,68,L2.5
N,906986,587813,64.9,L2.6
N,906972,587910,62,L2.7
N,906956,588011,58.8,L2.8
N,906940,588108,55.8,L2.9
N,906924,588209,52.8,L2.10
N,906907,588307,49.8,L2.11
N,906886,588410,46.6,L2.12
N,906863,588506,43.6,L2.13
N,906836,588600,40.6,L2.14
N,906807,588695,37.5,L2.15
L18 - SB General - Inner ST 552 to 558,5,
N,907128,586938,61.9,L18.4
N,907115,587033,64.7,L18.5
N,907098,587135,67.7,L18.6
N,907083,587238,70.7,L18.7
N,907065,587348,72.6,L12.1
L12 SB INNER MAIN LANE 559+30 - 573+00,6,
N,907065,587348,72.6,L12.1
N,907053,587427,72.8,L12.2
N,907039,587525,72.4,L12.3
N,907025,587624,70.5,L12.4
N,907011,587712,68,L12.5
N,906996,587814,64.9,L12.6
N,906982,587912,62,L12.7
N,906966,588012,58.8,L12.8
N,906951,588109,55.8,L12.9
N,906934,588211,52.8,L12.10
N,906918,588309,49.8,L12.11
N,906896,588412,46.6,L12.12
N,906873,588509,43.6,L12.13
N,906847,588603,40.6,L12.14

N,906818,588699,37.5,L12.15
L58 - SB HOV ST 552 to 558,7,
N,907137,586939,62,L58.4
N,907124,587034,65,L58.5
N,907107,587137,68,L58.6
N,907092,587240,71,L58.7
N,907074,587350,72.7,L52.1
L52 SB HOV LANE 559+30 - 573+00,8,
N,907074,587350,72.7,L52.1
N,907062,587428,73.2,L52.2
N,907047,587527,72.6,L52.3
N,907033,587626,70.6,L52.4
N,907020,587714,68,L52.5
N,907005,587816,65.1,L52.6
N,906990,587915,62,L52.7
N,906975,588015,59,L52.8
N,906958,588112,56,L52.9
N,906944,588213,53,L52.10
N,906927,588311,50,L52.11
N,906907,588414,46.8,L52.12
N,906883,588511,43.8,L52.13
N,906856,588607,40.7,L52.14
N,906827,588702,37.6,L52.15
L57 - NB HOV ST 552 to 558,9,
N,907147,586940,62,L57.4
N,907133,587038,65,L57.5
N,907119,587136,68,L57.6
N,907103,587241,71,L57.7
N,907087,587351,72.8,L51.1
L51 NB HOV LANE 559+30 - 573+00,10,
N,907087,587351,72.8,L51.1
N,907074,587429,73.2,L51.2
N,907060,587528,72.6,L51.3
N,907045,587627,70.6,L51.4
N,907032,587716,68,L51.5
N,907016,587818,65.1,L51.6
N,907002,587917,62,L51.7
N,906988,588016,59,L51.8
N,906974,588115,56,L51.9
N,906960,588218,53,L51.10
N,906944,588316,50,L51.11
N,906923,588418,46.8,L51.12
N,906899,588515,43.8,L51.13
N,906872,588612,40.7,L51.14
N,906843,588707,37.6,L51.15
L17 - NB General - Inner ST 552 to 558,11,
N,907156,586942,61.9,L17.4
N,907142,587039,64.8,L17.5
N,907127,587138,67.8,L17.6
N,907113,587243,70.8,L17.7
N,907094,587352,72.4,L11.1
L11 NB INNER MAIN LANE 559+30 - 573+00,12,
N,907094,587352,72.4,L11.1
N,907083,587430,72.8,L11.2
N,907069,587529,72.4,L11.3
N,907054,587628,70.5,L11.4

N,907041,587717,68,L11.5
N,907026,587819,64.9,L11.6
N,907012,587917,62,L11.7
N,906997,588016,58.8,L11.8
N,906983,588117,55.8,L11.9
N,906970,588219,53.1,L11.10
N,906953,588318,50.2,L11.11
N,906933,588421,47,L11.12
N,906909,588519,44,L11.13
N,906882,588616,40.9,L11.14
N,906852,588710,37.5,L11.15
L7 - NB General - Outer St 552 to 558,13,
N,907165,586945,61.9,L7.4
N,907151,587042,64.8,L7.5
N,907138,587141,67.8,L7.6
N,907123,587246,70.8,L7.7
N,907105,587353,72.4,L1.1
L1 NB OUTER MAIN LANE 559+30 - 573+00,14,
N,907105,587353,72.4,L1.1
N,907093,587432,72.8,L1.2
N,907080,587530,72.4,L1.3
N,907064,587630,70.5,L1.4
N,907050,587718,68,L1.5
N,907036,587821,64.9,L1.6
N,907022,587918,62,L1.7
N,907008,588017,58.8,L1.8
N,906995,588118,55.8,L1.9
N,906981,588221,53.1,L1.10
N,906964,588320,50.2,L1.11
N,906941,588423,47,L1.12
N,906918,588521,44,L1.13
N,906891,588618,40.9,L1.14
N,906863,588713,37.5,L1.15
L4 SB OUTER MAIN LANE 573+00 - 587+00,15,
N,906807,588695,37.5,L4.1
N,906778,588792,34.5,L4.2
N,906748,588886,31.4,L4.3
N,906719,588983,28.5,L4.4
N,906689,589078,25.5,L4.5
N,906659,589174,22.5,L4.6
N,906631,589269,19.5,L4.7
N,906601,589365,16.5,L4.8
N,906572,589462,13.5,L4.9
N,906548,589537,11.2,L4.10
L14 SB INNER MAIN LANE 573+00 - 587+00,16,
N,906818,588699,37.5,L14.1
N,906788,588795,34.5,L14.2
N,906758,588890,31.4,L14.3
N,906729,588987,28.5,L14.4
N,906700,589081,25.5,L14.5
N,906671,589178,22.5,L14.6
N,906641,589273,19.5,L14.7
N,906612,589369,16.5,L14.8
N,906582,589465,13.5,L14.9
N,906560,589540,11.2,L14.10
L54 SB HOV LANE 573+00 - 587+00,17,

N,906827,588702,37.6,L54.1
N,906797,588798,34.6,L54.2
N,906769,588894,31.5,L54.3
N,906739,588989,28.6,L54.4
N,906710,589085,25.7,L54.5
N,906679,589181,22.7,L54.6
N,906651,589276,19.7,L54.7
N,906621,589371,16.7,L54.8
N,906591,589468,13.7,L54.9
N,906568,589543,11.3,L54.10
L53 SB HOV LANE 573+00 - 587+00,18,
N,906843,588707,37.6,L53.1
N,906813,588803,34.6,L53.2
N,906784,588898,31.5,L53.3
N,906754,588995,28.6,L53.4
N,906726,589091,25.7,L53.5
N,906696,589186,22.7,L53.6
N,906667,589281,19.7,L53.7
N,906637,589377,16.7,L53.8
N,906608,589473,13.7,L53.9
N,906584,589548,11.3,L53.10
L13 NB INNER MAIN LANE 573+00 - 587+00,19,
N,906852,588710,37.5,L13.1
N,906822,588806,34.5,L13.2
N,906793,588901,31.4,L13.3
N,906763,588997,28.5,L13.4
N,906736,589093,25.5,L13.5
N,906706,589189,22.5,L13.6
N,906676,589284,19.5,L13.7
N,906647,589380,16.5,L13.8
N,906617,589476,13.5,L13.9
N,906595,589551,11.1,L13.10
L3 NB OUTER MAIN LANE 573+00 - 587+00,20,
N,906863,588713,37.5,L3.1
N,906833,588808,34.5,L3.2
N,906804,588904,31.4,L3.3
N,906773,589000,28.5,L3.4
N,906746,589096,25.5,L3.5
N,906716,589192,22.5,L3.6
N,906686,589287,19.5,L3.7
N,906657,589383,16.5,L3.8
N,906628,589479,13.5,L3.9
N,906604,589554,11.1,L3.10
L32 - SB DelMar Hts Loop On-ramp,21,
N,907089,587133,67.7,L32.1
N,907070,587226,70.4,L32.2
N,907052,587325,72.2,L32.3
N,907039,587377,72.5,L32.4
N,907016,587409,73.1,L32.5
N,906986,587415,74.5,L32.6
N,906957,587400,77.3,L32.7
N,906946,587368,80.5,L32.8
N,906947,587339,82.8,L32.9
N,906972,587281,86.4,L32.10
L30 - SB Del Mar Heights On-ramp,22,
N,907078,587024,68.6,L30.7

N,907055,587121,76.6,L30.8
N,907036,587166,80.5,L30.9
N,907009,587204,84.5,L30.10
N,906980,587240,86.5,L30.11
L31 - NB Del Mar Hts Off-ramp,23,
N,907172,586948,61.7,L31.1
N,907167,587018,63.9,L31.2
N,907162,587077,65.5,L31.3
N,907159,587137,67.8,L31.4,
N,907165,587196,71.4,L31.5,
N,907181,587253,75.2,L31.6,
N,907193,587298,77.5,L31.7,
N,907188,587337,78.3,L31.8,
B5 6FT PROPERTY WALL EAST SIDE NEAR R16,1,2,0,0,
907205,587420,85,86.8,B5.1,
907180,587426,84.1,85.9,B5.2,
907149,587468,84.3,86.1,B5.3,
907132,587503,84.1,85.9,B5.4,
907117,587580,84.2,86,B5.5,
907114,587620,85.3,87.1,B5.6,
907126,587630,85.6,87.4,B5.7,
B6 10FT WALL EAST SIDE NEAR R17 - R20,2,2,0,0,
907142,587646,87.3,90.3,B6.1,
907117,587641,87.4,90.4,B6.2,
907113,587731,88.2,91.2,B6.3,
907107,587808,89.1,92.1,B6.4,
907116,587903,94.7,97.7,B6.5,
907114,587976,98.6,101.6,B6.6,
907116,588013,100,103,B6.7,
907118,588067,100.8,103.8,B6.8,
907169,588072,102.1,105.1,B6.9,
B21 EAST SIDE NEAR R21 - R23,3,2,0,0,
907110,588063,100,100,B21.1,
907091,588107,100,100,B21.2,
907089,588118,100,100,B21.3,
907112,588138,100,100,B21.4,
907138,588174,100,100,B21.5,
907129,588181,100,100,B21.6,
907133,588192,100,100,B21.7,
907141,588201,100,100,B21.8,
B100 EAST SIDE NAT BAR NEAR R18 - R21,4,2,0,0,
907097,587710,84,84,B100.1,
907092,587777,86.9,86.9,B100.2,
907091,587833,88,88,B100.3,
907089,587878,90,90,B100.4,
907092,587910,92,92,B100.5,
907096,587948,96,96,B100.6,
907093,588002,96,96,B100.7,
907091,588033,96.1,96.1,B100.8,
907091,588071,98,98,B100.9,
907091,588107,100,100,B100.10,
B55 - Center Divider ST 555 to 558,5,2,0,0,
907141,586939,62,63,B55.1,
907128,587034,65,66,B55.2,
907113,587135,68,69,B55.3,
907098,587240,71,72,B55.4,

907080,587351,72.7,73.7,B50.1,
B50 CENTER DIVIDER 559+30 - 568+00,6,2,0,0,
907080,587351,72.7,73.7,B50.1,
907068,587428,73.2,74.2,B50.2,
907054,587527,72.6,73.6,B50.3,
907039,587626,70.6,71.6,B50.4,
907026,587714,68,69,B50.5,
907011,587817,65.1,66.1,B50.6,
906996,587917,62,63,B50.7,
906981,588015,59,60,B50.8,
906967,588113,56,57,B50.9,
906951,588215,53,54,B50.10,
B51 CENTER DIVIDER 568+00 - 577+00,7,2,0,0,
906951,588215,53,54,B51.1,
906935,588314,50,51,B51.2,
906914,588416,46.8,47.8,B51.3,
906891,588513,43.8,44.8,B51.4,
906864,588609,40.7,41.7,B51.5,
906835,588705,37.6,38.6,B51.6,
906806,588801,34.6,35.6,B51.7,
906776,588896,31.5,32.5,B51.8,
906747,588992,28.6,29.6,B51.9,
906718,589087,25.7,26.7,B51.10,
B52 CENTER DIVIDER 577+00 - 579+00,8,2,0,0,
906718,589087,25.7,26.7,B52.1,
906688,589183,22.7,23.7,B52.2,
906658,589278,19.7,20.7,B52.3,
B71 - Nat Bar NB Del Mar Hts Overcrossing,9,2,0,0,
907167,587237,74,74,B71.1,
907177,587276,76,76,B71.2,
907177,587314,77,77,B71.3,
907176,587340,78.8,78.8,B71.4,
907121,587314,79.5,79.5,B71.5,
907116,587345,79.5,79.5,B71.6,
907162,587366,78.8,78.8,B71.7,
907152,587392,78,78,B71.8,
907123,587440,76,76,B71.9,
B19 - Nat Bar Del Mar Hts Overcrossing SB side,10,2,0,0,
906979,587251,86.6,86.6,B18.8,
907009,587261,84.5,84.5,B18.9,
907046,587277,82.5,82.5,B19.1,
907042,587310,82,82,B19.2,
907006,587293,83.8,83.8,B19.3,
906987,587294,83.5,83.5,B19.4,
906961,587317,82,82,B19.5,
R,1,67,4
907180,587435,85.4,R16
R,2,67,4
907166,587556,87,R16A
R,3,67,4
907121,587646,88.9,R17
R,4,67,4
907113,587752,89.8,R18
R,5,67,4
907116,587873,93.9,R19
R,6,67,4

907125,588060,102.2,R20
R,7,67,4
907118,588077,103.7,R21
R,8,67,4
907121,588133,103.3,R22
R,9,67,4
907140,588185,103.2,R23
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
05 DEL MAR HEIGHTS TO VIA DEL VALLE EAST,BUILD,BLD,FT

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	- 6.*								B5.1	84.5	
2	- 6.*								B5.2	171.3	
3	- 6.*								B5.3	127.6	
4	- 6.*								B5.4	257.4	
5	- 6.*								B5.5	131.6	
6	- 6.*								B5.6	51.3	
7	- 10.*								B6.1	83.7	
8	- 10.*								B6.2	295.6	
9	- 10.*								B6.3	253.4	
10	- 10.*								B6.4	313.6	
11	- 10.*								B6.5	239.9	
12	- 10.*								B6.6	121.7	
13	- 10.*								B6.7	177.3	
14	- 10.*								B6.8	168.2	
15	- 0.*								B21.1	157.2	
16	- 0.*								B21.2	36.7	
17	- 0.*								B21.3	99.9	
18	- 0.*								B21.4	145.7	
19	- 0.*								B21.5	37.4	
20	- 0.*								B21.6	38.4	
21	- 0.*								B21.7	39.5	
22	- 0.*								B100.1	220.6	
23	- 0.*								B100.2	183.9	
24	- 0.*								B100.3	147.9	
25	- 0.*								B100.4	105.7	
26	- 0.*								B100.5	126.1	
27	- 0.*								B100.6	177.4	
28	- 0.*								B100.7	101.9	
29	- 0.*								B100.8	124.9	
30	- 0.*								B100.9	118.3	
31	- 3.*								B55.1	314.8	
32	- 3.*								B55.2	335.1	
33	- 3.*								B55.3	348.1	
34	- 3.*								B55.4	369.0	
35	- 3.*								B50.1	255.7	
36	- 3.*								B50.2	328.0	
37	- 3.*								B50.3	328.6	
38	- 3.*								B50.4	291.9	

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39    -  3.*                    B50.5     341.7
40    -  3.*                    B50.6     331.8
41    -  3.*                    B50.7     325.5
42    -  3.*                    B50.8     324.9
43    -  3.*                    B50.9     338.8

44    -  3.*                    B51.1     329.2
45    -  3.*                    B51.2     341.9
46    -  3.*                    B51.3     327.2
47    -  3.*                    B51.4     327.4
48    -  3.*                    B51.5     329.2
49    -  3.*                    B51.6     329.1
50    -  3.*                    B51.7     327.0
51    -  3.*                    B51.8     329.2
52    -  3.*                    B51.9     325.9

53    -  3.*                    B52.1     330.2
54    -  3.*                    B52.2     327.0

55    -  0.*                    B71.1     132.2
56    -  0.*                    B71.2     124.7
57    -  0.*                    B71.3      85.6
58    -  0.*                    B71.4     199.6
59    -  0.*                    B71.5     103.0
60    -  0.*                    B71.6     165.9
61    -  0.*                    B71.7      91.4
62    -  0.*                    B71.8     184.2

63    -  0.*                    B18.8     104.0
64    -  0.*                    B18.9     132.4
65    -  0.*                    B19.1     109.1
66    -  0.*                    B19.2     130.8
67    -  0.*                    B19.3      62.5
68    -  0.*                    B19.4     114.0
-------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
---------------------------------
 1  R16      67.   500.   69.9
 2  R16A     67.   500.   67.2
 3  R17      67.   500.   66.0
 4  R18      67.   500.   64.7
 5  R19      67.   500.   64.8
 6  R20      67.   500.   63.4
 7  R21      67.   500.   69.4
 8  R22      67.   500.   72.3
 9  R23      67.   500.   74.1
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 6. 6. 6. 6. 6. 6.10.10.10.10.10.10.10.10.10. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
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05 Del Mar Heights to Via Del Valle EAST,Build,DGN,Ft
T-L21 DEL MAR HEIGHTS ON-RAMP TO NB,1
950,45,24,45,26,45
T-L22 SB OFF-RAMP TO DEL MAR HEIGHTS RD,2
1900,45,48,45,52,45
T-L8 - SB General - Outer ST 552 to 558,3
5088,65,132,65,366,65
T-L2 SB OUTER MAIN LANE 559+30 - 573+00,4
5088,65,132,65,366,65
T-L18 - SB General - Inner ST 552 to 558,5
5088,65,132,65,366,65
T-L12 SB INNER MAIN LANE 559+30 - 573+00,6
5088,65,132,65,366,65
T-L58 - SB HOV ST 552 to 558,7
3000,65,0,65,0,65
T-L52 SB HOV LANE 559+30 - 573+00,8
3000,65,0,65,0,65
T-L57 - NB HOV ST 552 to 558,9
3000,65,0,65,0,65
T-L51 NB HOV LANE 559+30 - 573+00,10
3000,65,0,65,0,65
T-L17 - NB General - Inner ST 552 to 558,11
5088,65,132,65,366,65
T-L11 NB INNER MAIN LANE 559+30 - 573+00,12
5088,65,132,65,366,65
T-L7 - NB General - Outer St 552 to 558,13
5088,65,132,65,366,65
T-L1 NB OUTER MAIN LANE 559+30 - 573+00,14
5088,65,132,65,366,65
T-L4 SB OUTER MAIN LANE 573+00 - 587+00,15
5088,65,132,65,366,65
T-L14 SB INNER MAIN LANE 573+00 - 587+00,16
5088,65,132,65,366,65
T-L54 SB HOV LANE 573+00 - 587+00,17
3000,65,0,65,0,65
T-L53 NB HOV LANE 573+00 - 587+00,18
3000,65,0,65,0,65
T-L13 NB INNER MAIN LANE 573+00 - 587+00,19
5088,65,132,65,366,65
T-L3 NB OUTER MAIN LANE 573+00 - 587+00,20
5088,65,132,65,366,65
T-L32 - SB Del Mar Heights On-ramp (Loop),21
950,25,24,25,26,25
T-L30 - SB Del Mar Heights On-ramp,22
950,45,24,45,26,45
T-L31 - NB Del Mar Hts Off-ramp,23
1900,45,48,45,52,45
L21 DEL MAR HEIGHTS ON-RAMP TO NB,1
N,907169,587371,78.6,L21.1
N,907132,587441,76,L21.2
N,907115,587476,75,L21.3
N,907101,587536,71.9,L21.4
N,907082,587632,70,L21.5
N,907062,587730,67.1,L21.6
N,907046,587830,64.9,L21.7
N,907032,587927,62,L21.8

N,907017,588026,58.8,L21.9
N,907003,588126,55.8,L21.10
N,906981,588221,53.1,L21.11
L22 SB OFF-RAMP TO DEL MAR HEIGHTS RD,2,
N,906958,587277,86.6,L22.1
N,906934,587334,85.3,L22.2
N,906931,587375,83.4,L22.3
N,906944,587414,81.5,L22.4
N,906993,587523,75.5,L22.5
N,906998,587581,72.5,L22.6
N,906989,587720,67.2,L22.7
N,906981,587810,64.9,L22.8
N,906972,587910,62,L22.9
L8 - SB General - Outer ST 552 to 558,3,
N,907118,586937,61.9,L8.4
N,907105,587030,64.7,L8.5
N,907089,587133,67.7,L8.6
N,907072,587236,70.7,L8.7
N,907055,587347,72.6,L2.1
L2 SB OUTER MAIN LANE 559+30 - 573+00,4,
N,907055,587347,72.6,L2.1
N,907043,587425,72.8,L2.2
N,907028,587523,72.4,L2.3
N,907014,587623,70.5,L2.4
N,907000,587712,68,L2.5
N,906986,587813,64.9,L2.6
N,906972,587910,62,L2.7
N,906956,588011,58.8,L2.8
N,906940,588108,55.8,L2.9
N,906924,588209,52.8,L2.10
N,906907,588307,49.8,L2.11
N,906886,588410,46.6,L2.12
N,906863,588506,43.6,L2.13
N,906836,588600,40.6,L2.14
N,906807,588695,37.5,L2.15
L18 - SB General - Inner ST 552 to 558,5,
N,907128,586938,61.9,L18.4
N,907115,587033,64.7,L18.5
N,907098,587135,67.7,L18.6
N,907083,587238,70.7,L18.7
N,907065,587348,72.6,L12.1
L12 SB INNER MAIN LANE 559+30 - 573+00,6,
N,907065,587348,72.6,L12.1
N,907053,587427,72.8,L12.2
N,907039,587525,72.4,L12.3
N,907025,587624,70.5,L12.4
N,907011,587712,68,L12.5
N,906996,587814,64.9,L12.6
N,906982,587912,62,L12.7
N,906966,588012,58.8,L12.8
N,906951,588109,55.8,L12.9
N,906934,588211,52.8,L12.10
N,906918,588309,49.8,L12.11
N,906896,588412,46.6,L12.12
N,906873,588509,43.6,L12.13
N,906847,588603,40.6,L12.14

N,906818,588699,37.5,L12.15
L58 - SB HOV ST 552 to 558,7,
N,907137,586939,62,L58.4
N,907124,587034,65,L58.5
N,907107,587137,68,L58.6
N,907092,587240,71,L58.7
N,907074,587350,72.7,L52.1
L52 SB HOV LANE 559+30 - 573+00,8,
N,907074,587350,72.7,L52.1
N,907062,587428,73.2,L52.2
N,907047,587527,72.6,L52.3
N,907033,587626,70.6,L52.4
N,907020,587714,68,L52.5
N,907005,587816,65.1,L52.6
N,906990,587915,62,L52.7
N,906975,588015,59,L52.8
N,906958,588112,56,L52.9
N,906944,588213,53,L52.10
N,906927,588311,50,L52.11
N,906907,588414,46.8,L52.12
N,906883,588511,43.8,L52.13
N,906856,588607,40.7,L52.14
N,906827,588702,37.6,L52.15
L57 - NB HOV ST 552 to 558,9,
N,907147,586940,62,L57.4
N,907133,587038,65,L57.5
N,907119,587136,68,L57.6
N,907103,587241,71,L57.7
N,907087,587351,72.8,L51.1
L51 NB HOV LANE 559+30 - 573+00,10,
N,907087,587351,72.8,L51.1
N,907074,587429,73.2,L51.2
N,907060,587528,72.6,L51.3
N,907045,587627,70.6,L51.4
N,907032,587716,68,L51.5
N,907016,587818,65.1,L51.6
N,907002,587917,62,L51.7
N,906988,588016,59,L51.8
N,906974,588115,56,L51.9
N,906960,588218,53,L51.10
N,906944,588316,50,L51.11
N,906923,588418,46.8,L51.12
N,906899,588515,43.8,L51.13
N,906872,588612,40.7,L51.14
N,906843,588707,37.6,L51.15
L17 - NB General - Inner ST 552 to 558,11,
N,907156,586942,61.9,L17.4
N,907142,587039,64.8,L17.5
N,907127,587138,67.8,L17.6
N,907113,587243,70.8,L17.7
N,907094,587352,72.4,L11.1
L11 NB INNER MAIN LANE 559+30 - 573+00,12,
N,907094,587352,72.4,L11.1
N,907083,587430,72.8,L11.2
N,907069,587529,72.4,L11.3
N,907054,587628,70.5,L11.4

N,907041,587717,68,L11.5
N,907026,587819,64.9,L11.6
N,907012,587917,62,L11.7
N,906997,588016,58.8,L11.8
N,906983,588117,55.8,L11.9
N,906970,588219,53.1,L11.10
N,906953,588318,50.2,L11.11
N,906933,588421,47,L11.12
N,906909,588519,44,L11.13
N,906882,588616,40.9,L11.14
N,906852,588710,37.5,L11.15
L7 - NB General - Outer St 552 to 558,13,
N,907165,586945,61.9,L7.4
N,907151,587042,64.8,L7.5
N,907138,587141,67.8,L7.6
N,907123,587246,70.8,L7.7
N,907105,587353,72.4,L1.1
L1 NB OUTER MAIN LANE 559+30 - 573+00,14,
N,907105,587353,72.4,L1.1
N,907093,587432,72.8,L1.2
N,907080,587530,72.4,L1.3
N,907064,587630,70.5,L1.4
N,907050,587718,68,L1.5
N,907036,587821,64.9,L1.6
N,907022,587918,62,L1.7
N,907008,588017,58.8,L1.8
N,906995,588118,55.8,L1.9
N,906981,588221,53.1,L1.10
N,906964,588320,50.2,L1.11
N,906941,588423,47,L1.12
N,906918,588521,44,L1.13
N,906891,588618,40.9,L1.14
N,906863,588713,37.5,L1.15
L4 SB OUTER MAIN LANE 573+00 - 587+00,15,
N,906807,588695,37.5,L4.1
N,906778,588792,34.5,L4.2
N,906748,588886,31.4,L4.3
N,906719,588983,28.5,L4.4
N,906689,589078,25.5,L4.5
N,906659,589174,22.5,L4.6
N,906631,589269,19.5,L4.7
N,906601,589365,16.5,L4.8
N,906572,589462,13.5,L4.9
N,906548,589537,11.2,L4.10
L14 SB INNER MAIN LANE 573+00 - 587+00,16,
N,906818,588699,37.5,L14.1
N,906788,588795,34.5,L14.2
N,906758,588890,31.4,L14.3
N,906729,588987,28.5,L14.4
N,906700,589081,25.5,L14.5
N,906671,589178,22.5,L14.6
N,906641,589273,19.5,L14.7
N,906612,589369,16.5,L14.8
N,906582,589465,13.5,L14.9
N,906560,589540,11.2,L14.10
L54 SB HOV LANE 573+00 - 587+00,17,

N,906827,588702,37.6,L54.1
N,906797,588798,34.6,L54.2
N,906769,588894,31.5,L54.3
N,906739,588989,28.6,L54.4
N,906710,589085,25.7,L54.5
N,906679,589181,22.7,L54.6
N,906651,589276,19.7,L54.7
N,906621,589371,16.7,L54.8
N,906591,589468,13.7,L54.9
N,906568,589543,11.3,L54.10
L53 SB HOV LANE 573+00 - 587+00,18,
N,906843,588707,37.6,L53.1
N,906813,588803,34.6,L53.2
N,906784,588898,31.5,L53.3
N,906754,588995,28.6,L53.4
N,906726,589091,25.7,L53.5
N,906696,589186,22.7,L53.6
N,906667,589281,19.7,L53.7
N,906637,589377,16.7,L53.8
N,906608,589473,13.7,L53.9
N,906584,589548,11.3,L53.10
L13 NB INNER MAIN LANE 573+00 - 587+00,19,
N,906852,588710,37.5,L13.1
N,906822,588806,34.5,L13.2
N,906793,588901,31.4,L13.3
N,906763,588997,28.5,L13.4
N,906736,589093,25.5,L13.5
N,906706,589189,22.5,L13.6
N,906676,589284,19.5,L13.7
N,906647,589380,16.5,L13.8
N,906617,589476,13.5,L13.9
N,906595,589551,11.1,L13.10
L3 NB OUTER MAIN LANE 573+00 - 587+00,20,
N,906863,588713,37.5,L3.1
N,906833,588808,34.5,L3.2
N,906804,588904,31.4,L3.3
N,906773,589000,28.5,L3.4
N,906746,589096,25.5,L3.5
N,906716,589192,22.5,L3.6
N,906686,589287,19.5,L3.7
N,906657,589383,16.5,L3.8
N,906628,589479,13.5,L3.9
N,906604,589554,11.1,L3.10
L32 - SB DelMar Hts Loop On-ramp,21,
N,907089,587133,67.7,L32.1
N,907070,587226,70.4,L32.2
N,907052,587325,72.2,L32.3
N,907039,587377,72.5,L32.4
N,907016,587409,73.1,L32.5
N,906986,587415,74.5,L32.6
N,906957,587400,77.3,L32.7
N,906946,587368,80.5,L32.8
N,906947,587339,82.8,L32.9
N,906972,587281,86.4,L32.10
L30 - SB Del Mar Heights On-ramp,22,
N,907078,587024,68.6,L30.7

N,907055,587121,76.6,L30.8
N,907036,587166,80.5,L30.9
N,907009,587204,84.5,L30.10
N,906980,587240,86.5,L30.11
L31 - NB Del Mar Hts Off-ramp,23,
N,907172,586948,61.7,L31.1
N,907167,587018,63.9,L31.2
N,907162,587077,65.5,L31.3
N,907159,587137,67.8,L31.4,
N,907165,587196,71.4,L31.5,
N,907181,587253,75.2,L31.6,
N,907193,587298,77.5,L31.7,
N,907188,587337,78.3,L31.8,
B5 6FT PROPERTY WALL EAST SIDE NEAR R16,1,2,0,0,
907205,587420,85,85,B5.1,
907180,587426,84.1,84.1,B5.2,
907149,587468,84.3,84.3,B5.3,
907132,587503,84.1,84.1,B5.4,
907117,587580,84.2,84.2,B5.5,
907114,587620,85.3,85.3,B5.6,
907126,587630,85.6,85.6,B5.7,
B6 10FT WALL EAST SIDE NEAR R17 - R20,2,2,0,0,
907142,587646,87.3,90.3,B6.1,
907117,587641,87.1,90.1,B6.2,
907113,587731,88.1,91.1,B6.3,
907107,587808,89.1,92.1,B6.4,
907116,587903,94.7,97.7,B6.5,
907114,587976,98.6,101.6,B6.6,
907116,588013,100,103,B6.7,
907118,588067,100.8,103.8,B6.8,
907169,588072,102.1,105.1,B6.9,
B21 EAST SIDE NEAR R21 - R23,3,2,0,0,
907118,588067,100.8,105.1,B6.8,
907108,588066,99.7,104.0,B21.1,
907106,588105,102,106.3,B21.2,
907106,588117,102,106.3,B21.3,
907106,588117,102,105.7,B21.3,
907112,588138,100,103.7,B21.4,
907112,588138,100,102.4,B21.4,
907138,588174,100,102.4,B21.5,
907129,588181,100,102.4,B21.6,
907133,588192,100,102.4,B21.7,
907141,588201,100,102.4,B21.8,
B100 EAST SIDE NAT BAR NEAR R18 - R21,4,2,0,0,
907097,587710,84,84,B100.1,
907092,587777,86.9,86.9,B100.2,
907091,587833,88,88,B100.3,
907089,587878,90,90,B100.4,
907092,587910,92,92,B100.5,
907096,587948,96,96,B100.6,
907093,588002,96,96,B100.7,
907091,588033,96.1,96.1,B100.8,
907091,588071,98,98,B100.9,
907091,588107,100,100,B100.10,
B55 - Center Divider ST 555 to 558,5,2,0,0,
907141,586939,62,63,B55.1,

907128,587034,65,66,B55.2,
907113,587135,68,69,B55.3,
907098,587240,71,72,B55.4,
907080,587351,72.7,73.7,B50.1,
B50 CENTER DIVIDER 559+30 - 568+00,6,2,0,0,
907080,587351,72.7,73.7,B50.1,
907068,587428,73.2,74.2,B50.2,
907054,587527,72.6,73.6,B50.3,
907039,587626,70.6,71.6,B50.4,
907026,587714,68,69,B50.5,
907011,587817,65.1,66.1,B50.6,
906996,587917,62,63,B50.7,
906981,588015,59,60,B50.8,
906967,588113,56,57,B50.9,
906951,588215,53,54,B50.10,
B51 CENTER DIVIDER 568+00 - 577+00,7,2,0,0,
906951,588215,53,54,B51.1,
906935,588314,50,51,B51.2,
906914,588416,46.8,47.8,B51.3,
906891,588513,43.8,44.8,B51.4,
906864,588609,40.7,41.7,B51.5,
906835,588705,37.6,38.6,B51.6,
906806,588801,34.6,35.6,B51.7,
906776,588896,31.5,32.5,B51.8,
906747,588992,28.6,29.6,B51.9,
906718,589087,25.7,26.7,B51.10,
B52 CENTER DIVIDER 577+00 - 579+00,8,2,0,0,
906718,589087,25.7,26.7,B52.1,
906688,589183,22.7,23.7,B52.2,
906658,589278,19.7,20.7,B52.3,
B71 - Nat Bar NB Del Mar Hts Overcrossing,9,2,0,0,
907167,587237,74,74,B71.1,
907177,587276,76,76,B71.2,
907177,587314,77,77,B71.3,
907176,587340,78.8,78.8,B71.4,
907121,587314,79.5,79.5,B71.5,
907116,587345,79.5,79.5,B71.6,
907162,587366,78.8,78.8,B71.7,
907152,587392,78,78,B71.8,
907123,587440,76,76,B71.9,
B19 - Nat Bar Del Mar Hts Overcrossing SB side,10,2,0,0,
906979,587251,86.6,86.6,B18.8,
907009,587261,84.5,84.5,B18.9,
907046,587277,82.5,82.5,B19.1,
907042,587310,82,82,B19.2,
907006,587293,83.8,83.8,B19.3,
906987,587294,83.5,83.5,B19.4,
906961,587317,82,82,B19.5,
R,1,67,4
907180,587435,85.4,R16
R,2,67,4
907166,587556,87,R16A
R,3,67,4
907121,587646,88.9,R17
R,4,67,4
907113,587752,89.8,R18

R,5,67,4
907116,587873,93.9,R19
R,6,67,4
907125,588060,102.2,R20
R,7,67,4
907118,588077,103.7,R21
R,8,67,4
907121,588133,103.3,R22
R,9,67,4
907140,588185,103.2,R23
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
05 DEL MAR HEIGHTS TO VIA DEL VALLE EAST,BUILD,DGN,FT

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	- 0.*								B5.1	84.5	
2	- 0.*								B5.2	171.3	
3	- 0.*								B5.3	127.6	
4	- 0.*								B5.4	257.4	
5	- 0.*								B5.5	131.6	
6	- 0.*								B5.6	51.3	
7	- 10.*								B6.1	83.7	
8	- 10.*								B6.2	295.6	
9	- 10.*								B6.3	253.4	
10	- 10.*								B6.4	313.6	
11	- 10.*								B6.5	239.9	
12	- 10.*								B6.6	121.7	
13	- 10.*								B6.7	177.3	
14	- 10.*								B6.8	168.2	
15	- 14.*								B6.8	33.2	
16	- 14.*								B21.1	128.3	
17	- 14.*								B21.2	39.4	
18	- 13.*								B21.3	2.0	
19	- 12.*								B21.3	71.9	
20	- 10.*								B21.4	4.2	
21	- 8.*								B21.4	145.7	
22	- 8.*								B21.5	37.4	
23	- 8.*								B21.6	38.4	
24	- 8.*								B21.7	39.5	
25	- 0.*								B100.1	220.6	
26	- 0.*								B100.2	183.9	
27	- 0.*								B100.3	147.9	
28	- 0.*								B100.4	105.7	
29	- 0.*								B100.5	126.1	
30	- 0.*								B100.6	177.4	
31	- 0.*								B100.7	101.9	
32	- 0.*								B100.8	124.9	
33	- 0.*								B100.9	118.3	
34	- 3.*								B55.1	314.8	
35	- 3.*								B55.2	335.1	
36	- 3.*								B55.3	348.1	
37	- 3.*								B55.4	369.0	
38	- 3.*								B50.1	255.7	

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39    -  3.*                    B50.2     328.0
40    -  3.*                    B50.3     328.6
41    -  3.*                    B50.4     291.9
42    -  3.*                    B50.5     341.7
43    -  3.*                    B50.6     331.8
44    -  3.*                    B50.7     325.5
45    -  3.*                    B50.8     324.9
46    -  3.*                    B50.9     338.8

47    -  3.*                    B51.1     329.2
48    -  3.*                    B51.2     341.9
49    -  3.*                    B51.3     327.2
50    -  3.*                    B51.4     327.4
51    -  3.*                    B51.5     329.2
52    -  3.*                    B51.6     329.1
53    -  3.*                    B51.7     327.0
54    -  3.*                    B51.8     329.2
55    -  3.*                    B51.9     325.9

56    -  3.*                    B52.1     330.2
57    -  3.*                    B52.2     327.0

58    -  0.*                    B71.1     132.2
59    -  0.*                    B71.2     124.7
60    -  0.*                    B71.3      85.6
61    -  0.*                    B71.4     199.6
62    -  0.*                    B71.5     103.0
63    -  0.*                    B71.6     165.9
64    -  0.*                    B71.7      91.4
65    -  0.*                    B71.8     184.2

66    -  0.*                    B18.8     104.0
67    -  0.*                    B18.9     132.4
68    -  0.*                    B19.1     109.1
69    -  0.*                    B19.2     130.8
70    -  0.*                    B19.3      62.5
71    -  0.*                    B19.4     114.0
-------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
---------------------------------
 1  R16      67.   500.   75.2
 2  R16A     67.   500.   70.2
 3  R17      67.   500.   67.1
 4  R18      67.   500.   65.0
 5  R19      67.   500.   64.8
 6  R20      67.   500.   62.9
 7  R21      67.   500.   63.2
 8  R22      67.   500.   65.9
 9  R23      67.   500.   67.6
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
```

0. 0. 0. 0. 0. 0.10.10.10.10.10.10.10.10.14.14.14.13.12.10. 8. 8. 8. 8. 0.
0. 0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.

06 Via De la Valle to Lomas Santa Fe,West-No Build,0,Ft
T-L4 SB OUTER MAIN LANE 582+60 - 587+00,1
0,65,0,65,0,65
T-L14 SB INNER MAIN LANE 582+60 - 587+00,2
6684,65,214,65,302,65
T-L54 SB HOV LANE 582+60 - 587+00,3
1500,65,0,65,0,65
T-L53 NB HOV LANE 582+60 - 587+00,4
1500,65,0,65,0,65
T-L13 NB INNER MAIN LANE 582+60 - 587+00,5
6684,65,214,65,302,65
T-L3 NB OUTER MAIN LANE 582+60 - 587+00,6
0,65,0,65,0,65
T-L41 NB OFF-RAMP TO VIA DEL VALLE,7
950,45,24,45,26,45
T-L40 VIA DEL VALLE SB ON-RAMP,8
855,45,22,45,23,45
T-L6 SB OUTER MAIN LANE 587+00 - 600+80,9
0,65,0,65,0,65
T-L16 SB INNER MAIN LANE 587+00 - 600+80,10
4963,65,132,65,305,65
T-L56 SB INNER LANE 587+00 - 600+80,11
3517,65,88,65,0,65
T-L55 NB INNER LANE 587+00 - 600+80,12
3517,65,88,65,0,65
T-L15 NB INNER MAIN LANE 587+00 - 600+80,13
4963,65,132,65,305,65
T-L5 NB OUTER MAIN LANE 587+00 - 600+80,14
0,65,0,65,0,65
T-L42 SB OFF-RAMP TO VIA DEL VALLE,15
950,45,24,45,26,45
T-L43 VIA DEL VALLE ON-RAMP TO NB,16
523,45,13,45,14,45
T-L8 SB OUTER MAIN LANE 600+80 - 615+00,17
0,65,0,65,0,65
T-L18 SB INNER MAIN LANE 600+80 - 615+00,18
4963,65,132,65,305,65
T-L58 SB INNER LANE 600+80 - 615+00,19
3517,65,88,65,0,65
T-L57 NB INNER LANE 600+80 - 615+00,20
3517,65,88,65,0,65
T-L17 NB INNER MAIN LANE 600+80 - 615+00,21
4963,65,132,65,305,65
T-L7 NB OUTER MAIN LANE 600+80 - 615+00,22
0,65,0,65,0,65
T-L44 LOMAS SANTA FE DR ON-RAMP TO SB,23
656,45,17,45,18,45
T-L46 SB OFF-RAMP TO LOMAS SANTA FE DR,24
798,45,20,45,22,45
T-L47 LOMAS SANTA FE DR ON-RAMP TO NB,25
840,45,20,45,22,45
L4 SB OUTER MAIN LANE 582+60 - 587+00,1
N,906524,589615,9.4,L4.11,
N,906496,589709,8.7,L4.12,
N,906454,589843,8.4,L4.13,
N,906424,589939,8.2,L4.14,

N,906395,590034,7.9,L4.15,
L14 SB INNER MAIN LANE 582+60 - 587+00,2
N,906535,589618,9.4,L14.11,
N,906506,589713,8.7,L14.12,
N,906465,589847,8.4,L14.13,
N,906435,589943,8.2,L14.14,
N,906406,590038,7.9,L14.15,
L54 SB +INNER LANE 582+60 - 587+00,3
N,906545,589622,9.6,L54.11
N,906515,589716,8.9,L54.12
N,906475,589850,8.5,L54.13
N,906445,589945,8.3,L54.14
N,906416,590041,8,L54.15
L53 SB +INNER LANE 582+60 - 587+00,4,
N,906560,589627,9.6,L53.11
N,906532,589721,8.9,L53.12
N,906490,589855,8.5,L53.13
N,906461,589950,8.3,L53.14
N,906431,590047,8,L53.15
L13 NB INNER MAIN LANE 582+60 - 587+00,5,
N,906570,589630,9.4,L13.11
N,906541,589724,8.7,L13.12
N,906500,589858,8.3,L13.13
N,906471,589954,8.1,L13.14
N,906441,590049,7.8,L13.15
L3 NB OUTER MAIN LANE 582+60 - 587+00,6,
N,906579,589634,9.4,L3.11
N,906551,589727,8.7,L3.12
N,906510,589861,8.3,L3.13
N,906480,589957,8.1,L3.14
N,906450,590053,7.8,L3.15
L41 NB OFF-RAMP TO VIA DEL VALLE,7,
N,906422,590148,7.7,L41.1
N,906409,590206,7.5,L41.2
N,906392,590285,7.5,L41.3
N,906379,590343,7.6,L41.4
N,906375,590393,7.8,L41.5
N,906377,590442,8,L41.6
N,906398,590539,8.3,L41.7
N,906404,590582,8.5,L41.8
N,906404,590621,8.6,L41.9
N,906394,590668,10.8,L41.10
L40 VIA DEL VALLE SB ON-RAMP,8,
N,906367,590130,7.5,L40.1
N,906332,590224,7.4,L40.2
N,906312,590281,7.4,L40.3
N,906293,590338,8.4,L40.4
N,906266,590413,10.3,L40.5
N,906244,590469,11.7,L40.6
N,906221,590524,12.3,L40.7
N,906202,590548,12.2,L40.8
N,906182,590568,12,L40.9
N,906149,590586,11.5,L40.10
N,906111,590598,11.5,L40.11
L6 SB OUTER MAIN LANE 587+00 - 600+80,9,
N,906395,590034,7.9,L6.1

N,906367,590130,7.5,L6.2
N,906337,590225,7.4,L6.3
N,906308,590321,8.3,L6.4
N,906278,590416,11,L6.5
N,906248,590513,13.8,L6.6
N,906221,590610,17,L6.7
N,906192,590705,20.1,L6.8
N,906163,590800,23.2,L6.9
N,906133,590895,26.1,L6.10
N,906104,590992,29.2,L6.11
N,906076,591088,32.4,L6.12
N,906052,591188,34.4,L6.13
N,906043,591260,35.5,L6.14
N,906030,591359,36.5,L6.15
L16 SB INNER MAIN LANE 587+00 - 600+80,10,
N,906406,590038,7.9,L16.1
N,906376,590134,7.6,L16.2
N,906348,590229,7.4,L16.3
N,906317,590325,8.3,L16.4
N,906289,590420,11,L16.5
N,906259,590516,13.8,L16.6
N,906230,590613,17,L16.7
N,906200,590707,20.1,L16.8
N,906171,590803,23.2,L16.9
N,906141,590898,26.1,L16.10
N,906112,590995,29.2,L16.11
N,906084,591090,32.4,L16.12
N,906063,591190,34.4,L16.13
N,906053,591261,35.5,L16.14
N,906041,591361,36.5,L16.15
L56 SB +INNER LANE 587+00 - 600+80,11,
N,906416,590041,8,L56.1
N,906386,590136,7.8,L56.2
N,906356,590231,7.6,L56.3
N,906327,590328,8.5,L56.4
N,906298,590423,11.2,L56.5
N,906269,590519,14,L56.6
N,906239,590615,17.1,L56.7
N,906210,590710,20.2,L56.8
N,906180,590806,23.3,L56.9
N,906151,590902,26.3,L56.10
N,906122,590997,29.3,L56.11
N,906094,591093,32.1,L56.12
N,906073,591192,34.2,L56.13
N,906063,591262,35.4,L56.14
N,906051,591362,36.7,L56.15
L55 NB +INNER LANE 587+00 - 600+80,12,
N,906431,590047,8,L55.1
N,906402,590142,7.8,L55.2
N,906371,590237,7.6,L55.3
N,906343,590332,8.5,L55.4
N,906313,590429,11.2,L55.5
N,906285,590523,14,L55.6
N,906254,590620,17.1,L55.7
N,906225,590715,20.2,L55.8
N,906197,590811,23.3,L55.9

N,906168,590907,26.2,L55.10
N,906138,591002,29.3,L55.11
N,906110,591098,31.9,L55.12
N,906089,591195,34,L55.13
N,906078,591275,35.5,L55.14
N,906067,591364,36.7,L55.15
L15 NB INNER MAIN LANE 587+00 - 600+80,13,
N,906441,590049,7.8,L15.1
N,906412,590145,7.7,L15.2
N,906382,590240,7.4,L15.3
N,906352,590336,8.3,L15.4
N,906323,590431,11,L15.5
N,906293,590527,13.9,L15.6
N,906264,590623,17,L15.7
N,906235,590718,20.1,L15.8
N,906206,590814,23.2,L15.9
N,906177,590909,26.1,L15.10
N,906148,591006,29.2,L15.11
N,906120,591100,31.6,L15.12
N,906098,591197,33.7,L15.13
N,906088,591276,35.3,L15.14
N,906077,591366,36.4,L15.15
L5 NB OUTER MAIN LANE 587+00 - 600+80,14,
N,906450,590053,7.8,L5.1
N,906422,590148,7.7,L5.2
N,906390,590242,7.4,L5.3
N,906360,590338,8.3,L5.4
N,906331,590434,11,L5.5
N,906302,590530,13.9,L5.6
N,906272,590626,17,L5.7
N,906243,590721,20.1,L5.8
N,906217,590817,23.2,L5.9
N,906188,590913,26.1,L5.10
N,906158,591009,29.2,L5.11
N,906130,591104,31.6,L5.12
N,906110,591199,33.7,L5.13
N,906099,591277,35.3,L5.14
N,906088,591367,36.4,L5.15
L42 SB OFF-RAMP TO VIA DEL VALLE,15,
N,906082,590633,10.8,L42.1
N,906074,590672,11.4,L42.2
N,906074,590693,11,L42.3
N,906081,590734,12,L42.4
N,906091,590793,15.7,L42.5
N,906104,590872,20.8,L42.6
N,906105,590911,23.4,L42.7
N,906099,590950,25.8,L42.8
N,906085,591008,28.6,L42.9
N,906073,591067,30.9,L42.10
N,906052,591188,34.4,L42.11
L43 VIA DEL VALLE ON-RAMP TO NB,16,
N,906381,590703,10.8,L43.1
N,906343,590711,10.3,L43.2
N,906308,590729,10.8,L43.3
N,906279,590754,13.1,L43.4
N,906258,590787,15.8,L43.5

N,906228,590861,21.3,L43.6
N,906206,590916,24.6,L43.7
N,906184,590972,27.2,L43.8
N,906164,591027,29.1,L43.9
N,906149,591066,30.1,L43.10
N,906127,591142,32,L43.11
N,906115,591200,33.5,L43.12
N,906099,591277,35.3,L43.13
L8 SB OUTER MAIN LANE 600+80 - 615+00,17,
N,906030,591359,36.5,L8.1
N,906016,591467,37.7,L8.2
N,906005,591565,38.1,L8.3
N,905992,591666,38.5,L8.4
N,905980,591764,39.1,L8.5
N,905968,591865,39.6,L8.6
N,905957,591953,40,L8.7
N,905943,592063,40.6,L8.8
N,905929,592161,41.1,L8.9
N,905919,592260,41.4,L8.10
N,905907,592361,41.9,L8.11
N,905893,592478,42.6,L8.12
N,905879,592578,43,L8.13
N,905868,592679,43.5,L8.14
N,905855,592776,43.9,L8.15
L18 SB INNER MAIN LANE 600+80 - 615+00,18,
N,906041,591361,36.5,L18.1
N,906027,591468,37.7,L18.2
N,906015,591567,38.1,L18.3
N,906002,591667,38.5,L18.4
N,905991,591766,39.1,L18.5
N,905979,591866,39.6,L18.6
N,905968,591954,40,L18.7
N,905954,592064,40.6,L18.8
N,905941,592163,41.1,L18.9
N,905930,592262,41.4,L18.10
N,905916,592362,41.9,L18.11
N,905902,592480,42.6,L18.12
N,905890,592579,43,L18.13
N,905879,592681,43.5,L18.14
N,905866,592778,43.9,L18.15
L58 SB +INNER LANE 600+80 - 615+00,19,
N,906051,591362,36.7,L58.1
N,906037,591470,37.8,L58.2
N,906025,591568,38.2,L58.3
N,906014,591669,38.7,L58.4
N,906001,591767,39.2,L58.5
N,905988,591867,39.7,L58.6
N,905977,591956,40.2,L58.7
N,905963,592065,40.8,L58.8
N,905951,592164,41.2,L58.9
N,905939,592263,41.6,L58.10
N,905927,592363,42.1,L58.11
N,905911,592482,42.6,L58.12
N,905900,592581,43.2,L58.13
N,905887,592680,43.7,L58.14
N,905876,592779,44.2,L58.15

L57 NB +INNER LANE 600+80 - 615+00,20,
N,906067,591364,36.7,L57.1
N,906054,591473,37.7,L57.2
N,906042,591571,38.2,L57.3
N,906030,591671,38.7,L57.4
N,906018,591769,39.2,L57.5
N,906005,591869,39.7,L57.6
N,905993,591959,40.2,L57.7
N,905980,592068,40.8,L57.8
N,905967,592168,41.2,L57.9
N,905955,592265,41.6,L57.10
N,905943,592365,42.1,L57.11
N,905928,592484,42.6,L57.12
N,905916,592583,43.2,L57.13
N,905904,592682,43.7,L57.14
N,905892,592782,44.1,L57.15
L17 NB INNER MAIN LANE 600+80 - 615+00,21,
N,906077,591366,36.4,L17.1
N,906065,591474,37.6,L17.2
N,906051,591571,38.1,L17.3
N,906040,591672,38.6,L17.4
N,906027,591770,39.1,L17.5
N,906015,591870,39.6,L17.6
N,906003,591961,40,L17.7
N,905989,592070,40.6,L17.8
N,905978,592169,41.1,L17.9
N,905965,592267,41.5,L17.10
N,905953,592367,42,L17.11
N,905939,592486,42.5,L17.12
N,905928,592585,43,L17.13
N,905914,592685,43.5,L17.14
N,905903,592783,44,L17.15
L7 NB OUTER MAIN LANE 600+80 - 615+00,22,
N,906088,591367,36.4,L7.1
N,906074,591475,37.6,L7.2
N,906062,591573,38.1,L7.3
N,906051,591674,38.6,L7.4
N,906037,591772,39.1,L7.5
N,906025,591871,39.6,L7.6
N,906014,591962,40,L7.7
N,905998,592072,40.6,L7.8
N,905987,592170,41.1,L7.9
N,905974,592269,41.5,L7.10
N,905962,592369,42,L7.11
N,905949,592487,42.5,L7.12
N,905937,592586,43,L7.13
N,905925,592685,43.5,L7.14
N,905913,592785,44,L7.15
L44 LOMAS SANTA FE DR ON-RAMP TO SB,23,
N,905957,591953,40,L44.1
N,905936,592061,40.6,L44.2
N,905930,592102,40,L44.3
N,905917,592180,39,L44.4
N,905906,592239,40.7,L44.5
N,905897,592278,40.2,L44.6
N,905885,592315,38.3,L44.7

N,905867,592351,36.2,L44.8
N,905840,592405,35.4,L44.9
L46 SB OFF-RAMP TO LOMAS SANTA FE DR,24,
N,905818,592443,35.8,L46.1
N,905826,592482,36.4,L46.2
N,905838,592540,38.7,L46.3
N,905850,592600,41.1,L46.4
N,905857,592658,42.6,L46.5
N,905854,592738,43.3,L46.6
N,905850,592794,44,L46.7
N,905842,592876,44.4,L46.8
L47 LOMAS SANTA FE DR ON-RAMP TO NB,25,
N,906019,592426,36.2,L47.1
N,905999,592460,36.8,L47.2
N,905981,592494,39.3,L47.3
N,905964,592531,41.2,L47.4
N,905954,592569,41,L47.5
N,905942,592629,42.6,L47.6
N,905930,592707,43.1,L47.7
N,905918,592786,44,L47.8
N,905900,592883,49.5,L47.9
B41 EAST SIDE ALONG SB L4,1,2,0,0
906296,590318,8.3,8.3,B41.6
906279,590371,9.2,9.2,B41.7
906259,590412,10.3,10.3,B41.8
906236,590472,11.7,11.7,B41.9
906223,590506,12.3,12.3,B41.10
B40 EAST SIDE ALONG VIA DEL VALLE SB ON-RAMP,2,2,0,0
906223,590506,12.3,12.3,B40.1
906205,590537,12.2,12.2,B40.2
906177,590563,12,12,B40.3
906145,590582,11.8,11.8,B40.4
906108,590591,11.5,11.5,B40.5
B42 BETWEEN SB L4 & L14 and L6 & L16,3,2,0,0
906498,589711,8.7,8.7,B42.1
906457,589845,8.4,8.4,B42.2
906427,589940,8.2,8.2,B42.3
906398,590036,7.9,7.9,B42.4
906368,590131,7.6,7.6,B42.5
906339,590226,7.4,7.4,B42.6
906310,590322,8.3,8.3,B42.7
906296,590360,9,9,B42.8
B80 CENTER DIVIDER 586+00 - 595+00,4,2,0,0
906452,589948,8.3,9.3,B80.1
906423,590044,8,9,B80.2
906395,590140,7.8,8.8,B80.3
906365,590234,7.6,8.6,B80.4
906334,590330,8.5,9.5,B80.5
906306,590425,11.2,12.2,B80.6
906277,590521,14,15,B80.7
906247,590617,17.1,18.1,B80.8
906219,590714,20.2,21.2,B80.9
906189,590809,23.3,24.3,B80.10
B51 CENTER DIVIDER 595+00 - 603+90,5,2,0,0
906189,590809,23.3,24.3,B51.1
906160,590904,26.3,27.3,B51.2

906131,591000,29.3,30.3,B51.3
906102,591096,31.9,32.9,B51.4
906081,591192,33.9,34.9,B51.5
906071,591268,35.4,36.4,B51.6
906059,591363,36.7,37.7,B51.7
906045,591471,37.8,38.8,B51.8
906033,591570,38.2,39.2,B51.9
906020,591670,38.7,39.7,B51.10
B3 WEST SIDE NEAR SB VIA DEL VALLE OFF-RAMP,6,1,0,0
906051,590732,26,26,B3.1
906052,590770,29.2,29.2,B3.2
906039,590807,37,37,B3.3
906041,590816,38,38,B3.4
906052,590827,40,40,B3.5
906066,590880,41.5,41.5,B3.6
906069,590913,42.1,42.1,B3.7
906060,590962,45,45,B3.8
906046,590986,49.6,49.6,B3.9
906049,591025,44,44,B3.10
906055,591064,36.7,36.7,B3.11
B10 WEST SIDE 2-STORY BUILDING NEAR R3,7,2,0,0
906003,590942,45.5,53.1,B10.1
906003,590970,49.4,57,B10.2
906004,590985,50.5,58.1,B10.3
B11 WEST SIDE 2-STORY BUILDING NEAR R3,8,2,0,0
906024,591004,49.6,57.2,B11.1
906006,591005,49.6,57.2,B11.2
906007,591021,46.5,54.1,B11.3
B4 WEST SIDE NEAR L6,9,1,0,0
906055,591064,36.7,36.7,B4.1
906055,591117,35,35,B4.2
906041,591190,36,36,B4.3
906032,591255,39.2,39.2,B4.4
906026,591287,41,41,B4.4A
906024,591314,38,38,B4.5
906018,591367,39.5,39.5,B4.6
906013,591415,38,38,B4.6A
906007,591465,34.5,34.5,B4.7
B4 WEST SIDE NEAR L6,9,2,0,0
906007,591465,34.5,34.5,B4.7
905994,591565,30.2,30.2,B4.8
905983,591665,30.5,30.5,B4.9
B9 SB BETWEEN L6_L16,10,2,0,0
906047,591261,35.5,35.5,B9.1
906035,591359,36.5,36.5,B9.2
906022,591468,37.7,37.7,B9.3
906010,591566,38.1,38.1,B9.4
905998,591667,38.5,38.5,B9.5
905987,591764,39.1,39.1,B9.6
905974,591865,39.6,39.6,B9.7
905962,591953,40,40,B9.8
B5 WEST SIDE NEAR ACADEMY DR_R9,11,2,0,0
905983,591665,30.5,30.5,B4.9
905971,591763,32.5,32.5,B5.1
905958,591863,38.4,38.4,B5.2
905951,591911,41.4,41.4,B5.3

905935,592004,48.2,48.2,B5.5
905925,592043,52,52,B5.6
905920,592077,52,52,B5.6A
905920,592085,50,50,B5.7A
905911,592095,49.5,49.5,B5.7
905893,592091,49,49,B5.8
B52 CENTER DIVIDER 603+90 - 612+00,12,2,0,0
906020,591670,38.7,39.7,B52.1
906009,591768,39.2,40.2,B52.2
905997,591867,39.7,40.7,B52.3
905986,591957,40.2,41.2,B52.4
905972,592067,40.8,41.8,B52.5
905959,592166,41.2,42.2,B52.6
905947,592265,41.6,42.6,B52.7
905935,592364,42.1,43.1,B52.8
905921,592483,42.6,43.6,B52.9
B30 ONE STORY HOUSE R6.7A,13,2,0,0
905955,591595,26,31,B30.1
905967,591586,27,32,B30.2
B31 ONE STORY HOUSE R6.7A,14,2,0,0
905959,591605,25.8,30.8,B31.1
905951,591626,25.9,30.9,B31.2
R,1,67,4
906321,590164,4.4,R5.24
R,2,67,4
906270,590306,5.1,R5.25
R,3,67,4
906204,590376,5.2,R5.26
R,4,67,4
906025,590791,35.1,R6.1
R,5,67,4
906002,590853,37.2,R6.1A
R,6,67,4
906040,590889,42.4,R6.2
R,7,67,4
905999,590985,52.9,R6.3
R,8,67,4
906029,591088,34.1,R6.4A
R,9,67,4
906030,591212,38.5,R6.4
R,10,67,4
906015,591295,38.1,R6.5
R,11,67,4
905967,591346,32.3,R6.6
R,12,67,4
905972,591417,33.5,R6.7
R,13,67,4
905946,591595,26.6,R6.7A
R,14,67,4
905954,591708,30.6,R6.8
R,15,67,4
905945,591804,36.2,R6.9
R,16,67,4
905928,591854,35.9,R6.9A
R,17,67,4
905923,591984,47.9,R6.10

R,18,67,4
905910,592060,54.4,R6.11
D,4.5
ALL,ALL
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
06 VIA DE LA VALLE TO LOMAS SANTA FE,WEST-NO BUILD,0,FT

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	- 0.*								B41.6	182.7	
2	- 0.*								B41.7	149.7	
3	- 0.*								B41.8	210.9	
4	- 0.*								B41.9	119.4	
5	- 0.*								B40.1	117.6	
6	- 0.*								B40.2	125.4	
7	- 0.*								B40.3	122.1	
8	- 0.*								B40.4	124.9	
9	- 0.*								B42.1	459.7	
10	- 0.*								B42.2	326.9	
11	- 0.*								B42.3	329.0	
12	- 0.*								B42.4	326.9	
13	- 0.*								B42.5	325.9	
14	- 0.*								B42.6	329.1	
15	- 0.*								B42.7	132.8	
16	- 3.*								B80.1	329.1	
17	- 3.*								B80.2	328.1	
18	- 3.*								B80.3	323.7	
19	- 3.*								B80.4	331.0	
20	- 3.*								B80.5	325.1	
21	- 3.*								B80.6	329.2	
22	- 3.*								B80.7	330.1	
23	- 3.*								B80.8	331.5	
24	- 3.*								B80.9	326.9	
25	- 3.*								B51.1	326.0	
26	- 3.*								B51.2	329.2	
27	- 3.*								B51.3	329.1	
28	- 3.*								B51.4	322.5	
29	- 3.*								B51.5	251.5	
30	- 3.*								B51.6	314.2	
31	- 3.*								B51.7	357.4	
32	- 3.*								B51.8	327.2	
33	- 3.*								B51.9	330.8	
34	- 0.*								B3.1	125.2	
35	- 0.*								B3.2	131.2	
36	- 0.*								B3.3	30.4	
37	- 0.*								B3.4	51.4	
38	- 0.*								B3.5	180.0	

39	-	0.*	B3.6	108.7
40	-	0.*	B3.7	163.8
41	-	0.*	B3.8	92.3
42	-	0.*	B3.9	129.7
43	-	0.*	B3.10	131.7
44	-	25.*	B10.1	92.8
45	-	25.*	B10.2	49.4
46	-	25.*	B11.1	59.2
47	-	25.*	B11.2	53.6
48	-	0.*	B4.1	173.9
49	-	0.*	B4.2	243.9
50	-	0.*	B4.3	215.6
51	-	0.*	B4.4	107.0
52	-	0.*	B4.4A	89.4
53	-	0.*	B4.5	175.0
54	-	0.*	B4.6	158.4
55	-	0.*	B4.6A	165.7
56	-	0.*	B4.7	331.2
57	-	0.*	B4.8	330.0
58	-	0.*	B9.1	323.9
59	-	0.*	B9.2	360.2
60	-	0.*	B9.3	323.9
61	-	0.*	B9.4	333.7
62	-	0.*	B9.5	320.2
63	-	0.*	B9.6	334.1
64	-	0.*	B9.7	291.4
65	-	0.*	B4.9	324.1
66	-	0.*	B5.1	331.3
67	-	0.*	B5.2	159.5
68	-	0.*	B5.3	310.4
69	-	0.*	B5.5	132.7
70	-	0.*	B5.6	112.7
71	-	0.*	B5.6A	27.1
72	-	0.*	B5.7A	44.1
73	-	0.*	B5.7	60.6
74	-	3.*	B52.1	323.6
75	-	3.*	B52.2	327.2
76	-	3.*	B52.3	297.4
77	-	3.*	B52.4	363.8
78	-	3.*	B52.5	327.6
79	-	3.*	B52.6	327.2
80	-	3.*	B52.7	327.2
81	-	3.*	B52.8	393.2
82	-	16.*	B30.1	49.3
83	-	16.*	B31.1	73.7

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0 1 2 3 4 5 6 7

1

REC	REC ID	DNL	PEOPLE	LEQ(CAL)
1	R5.24	67.	500.	74.4
2	R5.25	67.	500.	73.5
3	R5.26	67.	500.	70.6
4	R6.1	67.	500.	66.4
5	R6.1A	67.	500.	60.3
6	R6.2	67.	500.	64.5
7	R6.3	67.	500.	62.1
8	R6.4A	67.	500.	67.4
9	R6.4	67.	500.	76.1
10	R6.5	67.	500.	68.9
11	R6.6	67.	500.	65.8
12	R6.7	67.	500.	69.4
13	R6.7A	67.	500.	69.2
14	R6.8	67.	500.	72.5
15	R6.9	67.	500.	74.4
16	R6.9A	67.	500.	72.9
17	R6.10	67.	500.	73.3
18	R6.11	67.	500.	73.8

BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION

0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3.
3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.25.25.25.25. 0. 0. 0.
0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 3.
3. 3. 3. 3. 3. 3.16.16.

06 Via De la Valle to Lomas Santa Fe WEST,Build,Bld,Ft
T-L4 SB OUTER MAIN LANE 582+60 - 587+00,1
4764,65,168,65,468,65
T-L14 SB INNER MAIN LANE 582+60 - 587+00,2
5412,65,168,65,0,65
T-L54 SB HOV LANE 582+60 - 587+00,3
3000,65,0,65,0,65
T-L53 NB HOV LANE 582+60 - 587+00,4
3000,65,0,65,0,65
T-L13 NB INNER MAIN LANE 582+60 - 587+00,5
5412,65,168,65,0,65
T-L3 NB OUTER MAIN LANE 582+60 - 587+00,6
4764,65,168,65,468,65
T-L41 NB OFF-RAMP TO VIA DEL VALLE,7
1900,45,48,45,52,45
T-L40 VIA DEL VALLE SB ON-RAMP,8
950,45,24,45,26,45
T-L6 SB OUTER MAIN LANE 587+00 - 600+80,9
4764,65,168,65,468,65
T-L16 SB INNER MAIN LANE 587+00 - 600+80,10
5412,65,168,65,0,65
T-L56 SB HOV LANE 587+00 - 600+80,11
3000,65,0,65,0,65
T-L55 NB HOV LANE 587+00 - 600+80,12
3000,65,0,65,0,65
T-L15 NB INNER MAIN LANE 587+00 - 600+80,13
5412,65,168,65,0,65
T-L5 NB OUTER MAIN LANE 587+00 - 600+80,14
4764,65,168,65,468,65
T-L42 SB OFF-RAMP TO VIA DEL VALLE,15
1900,45,48,45,52,45
T-L43 VIA DEL VALLE ON-RAMP TO NB,16
950,45,24,45,26,45
T-L8 SB OUTER MAIN LANE 600+80 - 615+00,17
4764,65,168,65,468,65
T-L18 SB INNER MAIN LANE 600+80 - 615+00,18
5412,65,168,65,0,65
T-L58 SB HOV LANE 600+80 - 615+00,19
3000,65,0,65,0,65
T-L57 NB HOV LANE 600+80 - 615+00,20
3000,65,0,65,0,65
T-L17 NB INNER MAIN LANE 600+80 - 615+00,21
5412,65,168,65,0,65
T-L7 NB OUTER MAIN LANE 600+80 - 615+00,22
4764,65,168,65,468,65
T-L44 LOMAS SANTA FE DR ON-RAMP TO SB,23
950,45,24,45,26,45
T-L46 SB OFF-RAMP TO LOMAS SANTA FE DR,24
950,45,24,45,26,45
T-L47 LOMAS SANTA FE DR ON-RAMP TO NB,25
950,45,24,45,26,45
T-L45 SB Lomas on-ramp (loop),26
950,45,24,45,26,45
L4 SB OUTER MAIN LANE 582+60 - 587+00,1
N,906524,589615,9.4,L4.11,
N,906496,589709,8.7,L4.12,

N,906454,589843,8.4,L4.13,
N,906424,589939,8.2,L4.14,
N,906395,590034,7.9,L4.15,
L14 SB INNER MAIN LANE 582+60 - 587+00,2
N,906535,589618,9.4,L14.11,
N,906506,589713,8.7,L14.12,
N,906465,589847,8.4,L14.13,
N,906435,589943,8.2,L14.14,
N,906406,590038,7.9,L14.15
L54 SB HOV LANE 582+60 - 587+00,3,
N,906545,589622,9.6,L54.11
N,906515,589716,8.9,L54.12
N,906475,589850,8.5,L54.13
N,906445,589945,8.3,L54.14
N,906416,590041,8,L54.15
L53 SB HOV LANE 582+60 - 587+00,4,
N,906560,589627,9.6,L53.11
N,906532,589721,8.9,L53.12
N,906490,589855,8.5,L53.13
N,906461,589950,8.3,L53.14
N,906431,590047,8,L53.15
L13 NB INNER MAIN LANE 582+60 - 587+00,5,
N,906570,589630,9.4,L13.11
N,906541,589724,8.7,L13.12
N,906500,589858,8.3,L13.13
N,906471,589954,8.1,L13.14
N,906441,590049,7.8,L13.15
L3 NB OUTER MAIN LANE 582+60 - 587+00,6,
N,906579,589634,9.4,L3.11
N,906551,589727,8.7,L3.12
N,906510,589861,8.3,L3.13
N,906480,589957,8.1,L3.14
N,906450,590053,7.8,L3.15
L41 NB OFF-RAMP TO VIA DEL VALLE,7,
N,906422,590148,7.7,L41.1
N,906409,590206,7.5,L41.2
N,906392,590285,7.5,L41.3
N,906379,590343,7.6,L41.4
N,906375,590393,7.8,L41.5
N,906377,590442,8,L41.6
N,906398,590539,8.3,L41.7
N,906404,590582,8.5,L41.8
N,906404,590621,8.6,L41.9
N,906394,590668,10.8,L41.10
L40 VIA DEL VALLE SB ON-RAMP,8,
N,906395,590034,7.9,L40.1
N,906361,590131,7.5,L40.2
N,906330,590224,7,L40.3
N,906295,590318,7.8,L40.4
N,906258,590410,10.3,L40.5
N,906235,590467,11.8,L40.6
N,906217,590501,12.2,L40.7
N,906192,590531,12.3,L40.8
N,906131,590583,11.6,L40.9
N,906108,590615,11.5,L40.10
L6 SB OUTER MAIN LANE 587+00 - 600+80,9,

N,906395,590034,7.9,L6.1
N,906367,590130,7.5,L6.2
N,906337,590225,7.4,L6.3
N,906308,590321,8.3,L6.4
N,906278,590416,11,L6.5
N,906248,590513,13.8,L6.6
N,906221,590610,17,L6.7
N,906192,590705,20.1,L6.8
N,906163,590800,23.2,L6.9
N,906133,590895,26.1,L6.10
N,906104,590992,29.2,L6.11
N,906076,591088,32.4,L6.12
N,906052,591188,34.4,L6.13
N,906043,591260,35.5,L6.14
N,906030,591359,36.5,L6.15
L16 SB INNER MAIN LANE 587+00 - 600+80,10,
N,906406,590038,7.9,L16.1
N,906376,590134,7.6,L16.2
N,906348,590229,7.4,L16.3
N,906317,590325,8.3,L16.4
N,906289,590420,11,L16.5
N,906259,590516,13.8,L16.6
N,906230,590613,17,L16.7
N,906200,590707,20.1,L16.8
N,906171,590803,23.2,L16.9
N,906141,590898,26.1,L16.10
N,906112,590995,29.2,L16.11
N,906084,591090,32.4,L16.12
N,906063,591190,34.4,L16.13
N,906053,591261,35.5,L16.14
N,906041,591361,36.5,L16.15
L56 SB HOV LANE 587+00 - 600+80,11,
N,906416,590041,8,L56.1
N,906386,590136,7.8,L56.2
N,906356,590231,7.6,L56.3
N,906327,590328,8.5,L56.4
N,906298,590423,11.2,L56.5
N,906269,590519,14,L56.6
N,906239,590615,17.1,L56.7
N,906210,590710,20.2,L56.8
N,906180,590806,23.3,L56.9
N,906151,590902,26.3,L56.10
N,906122,590997,29.3,L56.11
N,906094,591093,32.1,L56.12
N,906073,591192,34.2,L56.13
N,906063,591262,35.4,L56.14
N,906051,591362,36.7,L56.15
L55 NB HOV LANE 587+00 - 600+80,12,
N,906431,590047,8,L55.1
N,906402,590142,7.8,L55.2
N,906371,590237,7.6,L55.3
N,906343,590332,8.5,L55.4
N,906313,590429,11.2,L55.5
N,906285,590523,14,L55.6
N,906254,590620,17.1,L55.7
N,906225,590715,20.2,L55.8

N,906197,590811,23.3,L55.9
N,906168,590907,26.2,L55.10
N,906138,591002,29.3,L55.11
N,906110,591098,31.9,L55.12
N,906089,591195,34,L55.13
N,906078,591275,35.5,L55.14
N,906067,591364,36.7,L55.15
L15 NB INNER MAIN LANE 587+00 - 600+80,13,
N,906441,590049,7.8,L15.1
N,906412,590145,7.7,L15.2
N,906382,590240,7.4,L15.3
N,906352,590336,8.3,L15.4
N,906323,590431,11,L15.5
N,906293,590527,13.9,L15.6
N,906264,590623,17,L15.7
N,906235,590718,20.1,L15.8
N,906206,590814,23.2,L15.9
N,906177,590909,26.1,L15.10
N,906148,591006,29.2,L15.11
N,906120,591100,31.6,L15.12
N,906098,591197,33.7,L15.13
N,906088,591276,35.3,L15.14
N,906077,591366,36.4,L15.15
L5 NB OUTER MAIN LANE 587+00 - 600+80,14,
N,906450,590053,7.8,L5.1
N,906422,590148,7.7,L5.2
N,906390,590242,7.4,L5.3
N,906360,590338,8.3,L5.4
N,906331,590434,11,L5.5
N,906302,590530,13.9,L5.6
N,906272,590626,17,L5.7
N,906243,590721,20.1,L5.8
N,906217,590817,23.2,L5.9
N,906188,590913,26.1,L5.10
N,906158,591009,29.2,L5.11
N,906130,591104,31.6,L5.12
N,906110,591199,33.7,L5.13
N,906099,591277,35.3,L5.14
N,906088,591367,36.4,L5.15
L42 SB OFF-RAMP TO VIA DEL VALLE,15,
N,906104,590634,11.5,L42.1
N,906091,590691,11,L42.2
N,906086,590732,11.9,L42.3
N,906094,590792,15.7,L42.4
N,906101,590846,19.3,L42.5
N,906105,590891,22.1,L42.6
N,906103,590930,24.7,L42.7
N,906084,591020,29.3,L42.8
N,906071,591085,30.9,L42.9
N,906052,591188,34.4,L42.10
L43 VIA DEL VALLE ON-RAMP TO NB,16,
N,906362,590693,10.5,L43.1
N,906350,590709,10.2,L43.2
N,906334,590722,10.2,L43.3
N,906274,590771,14.4,L43.4
N,906250,590804,17.1,L43.5

N,906222,590877,22.5,L43.6
N,906185,590971,27.1,L43.7
N,906156,591045,29.6,L43.8
N,906138,591104,30,L43.9
N,906114,591197,33.5,L43.10
N,906099,591277,35.3,L43.11
L8 SB OUTER MAIN LANE 600+80 - 615+00,17,
N,906030,591359,36.5,L8.1
N,906016,591467,37.7,L8.2
N,906005,591565,38.1,L8.3
N,905992,591666,38.5,L8.4
N,905980,591764,39.1,L8.5
N,905968,591865,39.6,L8.6
N,905957,591953,40,L8.7
N,905943,592063,40.6,L8.8
N,905929,592161,41.1,L8.9
N,905919,592260,41.4,L8.10
N,905907,592361,41.9,L8.11
N,905893,592478,42.6,L8.12
N,905879,592578,43,L8.13
N,905868,592679,43.5,L8.14
N,905855,592776,43.9,L8.15
L18 SB INNER MAIN LANE 600+80 - 615+00,18,
N,906041,591361,36.5,L18.1
N,906027,591468,37.7,L18.2
N,906015,591567,38.1,L18.3
N,906002,591667,38.5,L18.4
N,905991,591766,39.1,L18.5
N,905979,591866,39.6,L18.6
N,905968,591954,40,L18.7
N,905954,592064,40.6,L18.8
N,905941,592163,41.1,L18.9
N,905930,592262,41.4,L18.10
N,905916,592362,41.9,L18.11
N,905902,592480,42.6,L18.12
N,905890,592579,43,L18.13
N,905879,592681,43.5,L18.14
N,905866,592778,43.9,L18.15
L58 SB HOV LANE 600+80 - 615+00,19,
N,906051,591362,36.7,L58.1
N,906037,591470,37.8,L58.2
N,906025,591568,38.2,L58.3
N,906014,591669,38.7,L58.4
N,906001,591767,39.2,L58.5
N,905988,591867,39.7,L58.6
N,905977,591956,40.2,L58.7
N,905963,592065,40.8,L58.8
N,905951,592164,41.2,L58.9
N,905939,592263,41.6,L58.10
N,905927,592363,42.1,L58.11
N,905911,592482,42.6,L58.12
N,905900,592581,43.2,L58.13
N,905887,592680,43.7,L58.14
N,905876,592779,44.2,L58.15
L57 NB HOV LANE 600+80 - 615+00,20,
N,906067,591364,36.7,L57.1

N,906054,591473,37.7,L57.2
N,906042,591571,38.2,L57.3
N,906030,591671,38.7,L57.4
N,906018,591769,39.2,L57.5
N,906005,591869,39.7,L57.6
N,905993,591959,40.2,L57.7
N,905980,592068,40.8,L57.8
N,905967,592168,41.2,L57.9
N,905955,592265,41.6,L57.10
N,905943,592365,42.1,L57.11
N,905928,592484,42.6,L57.12
N,905916,592583,43.2,L57.13
N,905904,592682,43.7,L57.14
N,905892,592782,44.1,L57.15
L17 NB INNER MAIN LANE 600+80 - 615+00,21,
N,906077,591366,36.4,L17.1
N,906065,591474,37.6,L17.2
N,906051,591571,38.1,L17.3
N,906040,591672,38.6,L17.4
N,906027,591770,39.1,L17.5
N,906015,591870,39.6,L17.6
N,906003,591961,40,L17.7
N,905989,592070,40.6,L17.8
N,905978,592169,41.1,L17.9
N,905965,592267,41.5,L17.10
N,905953,592367,42,L17.11
N,905939,592486,42.5,L17.12
N,905928,592585,43,L17.13
N,905914,592685,43.5,L17.14
N,905903,592783,44,L17.15
L7 NB OUTER MAIN LANE 600+80 - 615+00,22,
N,906088,591367,36.4,L7.1
N,906074,591475,37.6,L7.2
N,906062,591573,38.1,L7.3
N,906051,591674,38.6,L7.4
N,906037,591772,39.1,L7.5
N,906025,591871,39.6,L7.6
N,906014,591962,40,L7.7
N,905998,592072,40.6,L7.8
N,905987,592170,41.1,L7.9
N,905974,592269,41.5,L7.10
N,905962,592369,42,L7.11
N,905949,592487,42.5,L7.12
N,905937,592586,43,L7.13
N,905925,592685,43.5,L7.14
N,905913,592785,44,L7.15
L44 LOMAS SANTA FE DR ON-RAMP TO SB,23,
N,905957,591953,40,L44.1
N,905936,592061,40.6,L44.2
N,905930,592102,40,L44.3
N,905917,592180,39,L44.4
N,905906,592239,40.7,L44.5
N,905897,592278,40.2,L44.6
N,905885,592315,38.3,L44.7
N,905867,592351,36.2,L44.8
N,905840,592405,35.4,L44.9

L46 SB OFF-RAMP TO LOMAS SANTA FE DR,24,
N,905822,592442,35.8,L46.1
N,905844,592558,39.5,L46.2
N,905858,592638,42.2,L46.3
N,905856,592698,43,L46.4
N,905851,592775,43.9,L46.5
N,905842,592876,44.4,L46.6
L47 LOMAS SANTA FE DR ON-RAMP TO NB,25,
N,906019,592426,36.2,L47.1
N,905999,592460,36.8,L47.2
N,905981,592494,39.3,L47.3
N,905964,592531,41.2,L47.4
N,905954,592569,41,L47.5
N,905942,592629,42.6,L47.6
N,905930,592707,43.1,L47.7
N,905918,592786,44,L47.8
N,905900,592883,49.5,L47.9,
L45 SB Lomas on-ramp (loop),26
N,905919,592260,41.4,L45.1,
N,905908,592302,41.5,L45.2,
N,905898,592378,41.6,L45.3,
N,905886,592456,42.1,L45.4,
N,905875,592495,41.4,L45.5,
N,905857,592509,39.4,L45.6,
N,905844,592483,36.5,L45.7,
N,905832,592443,35.8,L45.8,
B141 SB ON-RAMP,1,2,0,0,
906417,589936,8.2,8.2,B41.1,0.0
906387,590033,7.9,7.9,B41.3,0.0
906353,590140,7.5,7.5,B141.1,0.0
906353,590140,7.5,8.4,B141.1,3.0
906324,590223,7,7.9,B141.2,3.0
906310,590266,7.2,8.1,B141.3,3.0
906290,590315,7.8,8.7,B141.4,3.0
906268,590369,9.1,10,B141.5,3.0
906250,590405,10.3,11.2,B141.6,3.0
906238,590431,11.1,12,B141.7,3.0
B141/B140 SB ON-RAMP,2,2,0,0,
906238,590431,11.1,12,B141.7,3.0
906238,590442,11.3,12.2,B141.8,3.0
906229,590464,11.8,12.7,B141.9,3.0
906211,590498,12.2,13.1,B141.10,3.0
906186,590527,12.3,13.2,B140.2,3.0
906125,590579,11.6,12.5,B140.3,3.0
906125,590579,11.6,11.6,B140.3,0.0
906100,590602,11.5,11.5,B140.4,0.0
B80 CENTER DIVIDER 586+00 - 595+00,3,2,0,0,
906452,589948,8.3,9.3,B80.1,3.3
906423,590044,8,9,B80.2,3.3
906395,590140,7.8,8.8,B80.3,3.3
906365,590234,7.6,8.6,B80.4,3.3
906334,590330,8.5,9.5,B80.5,3.3
906306,590425,11.2,12.2,B80.6,3.3
906277,590521,14,15,B80.7,3.3
906247,590617,17.1,18.1,B80.8,3.3
906219,590714,20.2,21.2,B80.9,3.3

906189,590809,23.3,24.3,B80.10,3.3
B51 CENTER DIVIDER 595+00 - 603+90,4,2,0,0,
906189,590809,23.3,24.3,B51.1,3.3
906160,590904,26.3,27.3,B51.2,3.3
906131,591000,29.3,30.3,B51.3,3.3
906102,591096,31.9,32.9,B51.4,3.3
906081,591192,33.9,34.9,B51.5,3.3
906071,591268,35.4,36.4,B51.6,3.3
906059,591363,36.7,37.7,B51.7,3.3
906045,591471,37.8,38.8,B51.8,3.3
906033,591570,38.2,39.2,B51.9,3.3
906020,591670,38.7,39.7,B51.10,3.3
B3 WEST SIDE NEAR SB VIA DEL VALLE OFF-RAMP,5,1,0,0,
906051,590732,26,26,B3.1,0.0
906052,590770,29.2,29.2,B3.2,0.0
906039,590807,37,37,B3.3,0.0
906041,590816,38,38,B3.4,0.0
906053,590827,40,40,B3.5,0.0
906061,590881,41.5,41.5,B3.6,0.0
906063,590911,42.1,42.1,B3.7,0.0
906057,590954,45,45,B3.8,0.0
906046,590986,49.6,49.6,B3.9,0.0
906049,591025,44,44,B3.10,0.0
906055,591064,36.7,36.7,B3.11,0.0
B10 WEST SIDE 2-STORY BUILDING NEAR R3,6,2,0,0,
906003,590942,45.5,53.1,B10.1,24.9
906003,590970,49.4,57,B10.2,24.9
906004,590985,50.5,58.1,B10.3,24.9
B11 WEST SIDE 2-STORY BUILDING NEAR R3,7,2,0,0,
906024,591004,49.6,57.2,B11.1,24.9
906006,591005,49.6,57.2,B11.2,24.9
906007,591021,46.5,54.1,B11.3,24.9
B4 WEST SIDE NEAR L6,8,2,0,0,
906055,591064,36.7,36.7,B4.1,0.0
906055,591112,35,35,B104.1,0.0
906051,591151,36.5,36.5,B104.2,0.0
906044,591186,36,36,B104.3,0.0
906032,591255,39.2,39.2,B4.4,0.0
906026,591287,41,41,B4.4A,0.0
906024,591314,38,38,B4.5,0.0
906018,591367,39.5,39.5,B4.6,0.0
906013,591415,38,38,B4.6A,0.0
B4 WEST SIDE NEAR L6,9,2,0,0,
906013,591415,38,38.9,B4.6A,3.0
906007,591465,37.7,38.6,B4.7,3.0
905994,591565,38.1,39,B4.8,3.0
905983,591665,38.5,39.4,B4.9,3.0
B5 WEST SIDE NEAR ACADEMY DR_R9,10,2,0,0,
905983,591665,38.5,39.4,B4.9,3.0
905971,591763,39.1,40,B5.1,3.0
905958,591863,39.6,40.5,B5.2,3.0
905958,591863,39.6,39.6,B5.2,0.0
905951,591911,41.4,41.4,B5.3,0.0
905938,591952,44,44,B5.4,0.0
905935,592004,48.2,48.2,B5.5,0.0
905925,592043,52.7,52.7,B5.6,0.0

905920,592077,52,52,B5.6A,0.0
B5 WEST SIDE NEAR ACADEMY DR_R9,11,2,0,0,
905920,592077,52,52,B5.6A,0.0
905920,592085,50,50,B5.7A,0.0
905911,592095,49.5,49.5,B5.7,0.0
905893,592091,49,49,B5.8,0.0
B52 CENTER DIVIDER 603+90 - 612+00,12,2,0,0,
906020,591670,38.7,39.7,B52.1,3.3
906009,591768,39.2,40.2,B52.2,3.3
905997,591867,39.7,40.7,B52.3,3.3
905986,591957,40.2,41.2,B52.4,3.3
905972,592067,40.8,41.8,B52.5,3.3
905959,592166,41.2,42.2,B52.6,3.3
905947,592265,41.6,42.6,B52.7,3.3
905935,592364,42.1,43.1,B52.8,3.3
905921,592483,42.6,43.6,B52.9,3.3
B30 ONE STORY HOUSE R6.7A,13,2,0,0,
905955,591595,26,31,B30.1,16.4
905967,591586,27,32,B30.2,16.4
B31 ONE STORY HOUSE R6.7A,14,2,0,0,
905959,591605,25.8,30.8,B31.1,16.4
905951,591626,25.9,30.9,B31.2,16.4
B100 Lomas on-ramp R.O.W.,15,2,0,0,
905921,592140,20,20.9,B100.1,3.0
905913,592181,21.8,22.7,B100.2,3.0
905899,592238,22,22.9,B100.3,3.0
905896,592259,20,20.9,B100.4,3.0
905884,592296,20.5,21.4,B100.5,3.0
B142 SB Via Del Val. Bridge ,16,2,0,0,
906248,590487,13,13,B142.1,0.0
906205,590620,17,17,B142.2,0.0
906205,590620,17,17.9,B142.2,3.0
906191,590663,18.4,19.3,B142.3,3.0
906191,590663,18.4,18.4,B142.3,0.0
906163,590724,19.8,19.8,B142.4,0.0
R,1,67,4
906321,590164,4.4,R5.24
R,2,67,4
906270,590306,5.1,R5.25
R,3,67,4
906204,590376,5.2,R5.26
R,4,67,4
906025,590791,35.1,R6.1
R,5,67,4
906002,590853,37.2,R6.1A
R,6,67,4
906040,590889,42.4,R6.2
R,7,67,4
905999,590985,52.9,R6.3
R,8,67,4
906029,591088,34.1,R6.4A
R,9,67,4
906030,591212,38.5,R6.4
R,10,67,4
906015,591295,38.1,R6.5
R,11,67,4

905952,591364,31.5,R6.6
R,12,67,4
905972,591417,33.5,R6.7
R,13,67,4
905946,591595,26.6,R6.7A
R,14,67,4
905954,591708,30.6,R6.8
R,15,67,4
905945,591804,36.2,R6.9
R,16,67,4
905928,591854,35.9,R6.9A
R,17,67,4
905923,591984,47.9,R6.10
R,18,67,4
905910,592060,54.4,R6.11
D,4.5
ALL,ALL
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
06 VIA DE LA VALLE TO LOMAS SANTA FE WEST,BUILD,BLD,FT

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	-	0.*							B41.1	333.1	
2	-	0.*							B41.3	368.4	
3	-	2.*							B141.1	3.0	
4	-	3.*							B141.1	288.5	
5	-	3.*							B141.2	148.3	
6	-	3.*							B141.3	173.7	
7	-	3.*							B141.4	191.4	
8	-	3.*							B141.5	132.1	
9	-	3.*							B141.6	94.0	
10	-	3.*							B141.7	36.1	
11	-	3.*							B141.8	77.9	
12	-	3.*							B141.9	126.3	
13	-	3.*							B141.10	125.6	
14	-	3.*							B140.2	263.0	
15	-	1.*							B140.3	2.9	
16	-	0.*							B140.3	111.5	
17	-	3.*							B80.1	329.1	
18	-	3.*							B80.2	328.1	
19	-	3.*							B80.3	323.7	
20	-	3.*							B80.4	331.0	
21	-	3.*							B80.5	325.1	
22	-	3.*							B80.6	329.2	
23	-	3.*							B80.7	330.1	
24	-	3.*							B80.8	331.5	
25	-	3.*							B80.9	326.9	
26	-	3.*							B51.1	326.0	
27	-	3.*							B51.2	329.2	
28	-	3.*							B51.3	329.1	
29	-	3.*							B51.4	322.5	
30	-	3.*							B51.5	251.5	
31	-	3.*							B51.6	314.2	
32	-	3.*							B51.7	357.4	
33	-	3.*							B51.8	327.2	
34	-	3.*							B51.9	330.8	
35	-	0.*							B3.1	125.2	
36	-	0.*							B3.2	131.2	
37	-	0.*							B3.3	30.4	
38	-	0.*							B3.4	53.8	
39	-	0.*							B3.5	179.2	

40	-	0.*	B3.6	98.6
41	-	0.*	B3.7	142.8
42	-	0.*	B3.8	112.0
43	-	0.*	B3.9	129.7
44	-	0.*	B3.10	131.7
45	-	25.*	B10.1	92.8
46	-	25.*	B10.2	49.4
47	-	25.*	B11.1	59.2
48	-	25.*	B11.2	53.6
49	-	0.*	B4.1	157.5
50	-	0.*	B104.1	128.8
51	-	0.*	B104.2	117.1
52	-	0.*	B104.3	230.0
53	-	0.*	B4.4	107.0
54	-	0.*	B4.4A	89.4
55	-	0.*	B4.5	175.0
56	-	0.*	B4.6	158.4
57	-	3.*	B4.6A	165.3
58	-	3.*	B4.7	330.9
59	-	3.*	B4.8	330.0
60	-	3.*	B4.9	324.0
61	-	3.*	B5.1	330.8
62	-	2.*	B5.2	3.0
63	-	0.*	B5.2	159.3
64	-	0.*	B5.3	141.4
65	-	0.*	B5.4	171.4
66	-	0.*	B5.5	133.0
67	-	0.*	B5.6	112.7
68	-	0.*	B5.6A	27.1
69	-	0.*	B5.7A	44.1
70	-	0.*	B5.7	60.6
71	-	3.*	B52.1	323.6
72	-	3.*	B52.2	327.2
73	-	3.*	B52.3	297.4
74	-	3.*	B52.4	363.8
75	-	3.*	B52.5	327.6
76	-	3.*	B52.6	327.2
77	-	3.*	B52.7	327.2
78	-	3.*	B52.8	393.2
79	-	16.*	B30.1	49.3
80	-	16.*	B31.1	73.7
81	-	3.*	B100.1	137.2
82	-	3.*	B100.2	192.6
83	-	3.*	B100.3	69.9
84	-	3.*	B100.4	127.5

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85    -  0.*                        B142.1    458.8
86    -  1.*                        B142.2      2.9
87    -  3.*                        B142.2    148.4
88    -  1.*                        B142.3      2.9
89    -  0.*                        B142.3    220.3
-------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
---------------------------------
 1  R5.24     67.    500.   74.4
 2  R5.25     67.    500.   73.6
 3  R5.26     67.    500.   71.4
 4  R6.1      67.    500.   68.1
 5  R6.1A     67.    500.   62.4
 6  R6.2      67.    500.   67.1
 7  R6.3      67.    500.   64.1
 8  R6.4A     67.    500.   72.0
 9  R6.4      67.    500.   79.7
10  R6.5      67.    500.   73.9
11  R6.6      67.    500.   69.1
12  R6.7      67.    500.   71.4
13  R6.7A     67.    500.   68.4
14  R6.8      67.    500.   69.5
15  R6.9      67.    500.   73.7
16  R6.9A     67.    500.   73.0
17  R6.10     67.    500.   75.5
18  R6.11     67.    500.   74.8
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 0. 0. 2. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 1. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3.
 3. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.25.25.25. 0. 0.
 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 2. 0. 0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3.
 3. 3. 3.16.16. 3. 3. 3. 3. 0. 1. 3. 1. 0.
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06 Via De la Valle to Lomas Santa Fe WEST,Build,DGN,Ft
T-L4 SB OUTER MAIN LANE 582+60 - 587+00,1
4764,65,168,65,468,65
T-L14 SB INNER MAIN LANE 582+60 - 587+00,2
5412,65,168,65,0,65
T-L54 SB HOV LANE 582+60 - 587+00,3
3000,65,0,65,0,65
T-L53 NB HOV LANE 582+60 - 587+00,4
3000,65,0,65,0,65
T-L13 NB INNER MAIN LANE 582+60 - 587+00,5
5412,65,168,65,0,65
T-L3 NB OUTER MAIN LANE 582+60 - 587+00,6
4764,65,168,65,468,65
T-L41 NB OFF-RAMP TO VIA DEL VALLE,7
1900,45,48,45,52,45
T-L40 VIA DEL VALLE SB ON-RAMP,8
950,45,24,45,26,45
T-L6 SB OUTER MAIN LANE 587+00 - 600+80,9
4764,65,168,65,468,65
T-L16 SB INNER MAIN LANE 587+00 - 600+80,10
5412,65,168,65,0,65
T-L56 SB HOV LANE 587+00 - 600+80,11
3000,65,0,65,0,65
T-L55 NB HOV LANE 587+00 - 600+80,12
3000,65,0,65,0,65
T-L15 NB INNER MAIN LANE 587+00 - 600+80,13
5412,65,168,65,0,65
T-L5 NB OUTER MAIN LANE 587+00 - 600+80,14
4764,65,168,65,468,65
T-L42 SB OFF-RAMP TO VIA DEL VALLE,15
1900,45,48,45,52,45
T-L43 VIA DEL VALLE ON-RAMP TO NB,16
950,45,24,45,26,45
T-L8 SB OUTER MAIN LANE 600+80 - 615+00,17
4764,65,168,65,468,65
T-L18 SB INNER MAIN LANE 600+80 - 615+00,18
5412,65,168,65,0,65
T-L58 SB HOV LANE 600+80 - 615+00,19
3000,65,0,65,0,65
T-L57 NB HOV LANE 600+80 - 615+00,20
3000,65,0,65,0,65
T-L17 NB INNER MAIN LANE 600+80 - 615+00,21
5412,65,168,65,0,65
T-L7 NB OUTER MAIN LANE 600+80 - 615+00,22
4764,65,168,65,468,65
T-L44 LOMAS SANTA FE DR ON-RAMP TO SB,23
950,45,24,45,26,45
T-L46 SB OFF-RAMP TO LOMAS SANTA FE DR,24
950,45,24,45,26,45
T-L47 LOMAS SANTA FE DR ON-RAMP TO NB,25
950,45,24,45,26,45
T-L45 SB Lomas on-ramp (loop),26
950,45,24,45,26,45
L4 SB OUTER MAIN LANE 582+60 - 587+00,1
N,906524,589615,9.4,L4.11,
N,906496,589709,8.7,L4.12,

N,906454,589843,8.4,L4.13,
N,906424,589939,8.2,L4.14,
N,906395,590034,7.9,L4.15,
L14 SB INNER MAIN LANE 582+60 - 587+00,2
N,906535,589618,9.4,L14.11,
N,906506,589713,8.7,L14.12,
N,906465,589847,8.4,L14.13,
N,906435,589943,8.2,L14.14,
N,906406,590038,7.9,L14.15
L54 SB HOV LANE 582+60 - 587+00,3,
N,906545,589622,9.6,L54.11
N,906515,589716,8.9,L54.12
N,906475,589850,8.5,L54.13
N,906445,589945,8.3,L54.14
N,906416,590041,8,L54.15
L53 SB HOV LANE 582+60 - 587+00,4,
N,906560,589627,9.6,L53.11
N,906532,589721,8.9,L53.12
N,906490,589855,8.5,L53.13
N,906461,589950,8.3,L53.14
N,906431,590047,8,L53.15
L13 NB INNER MAIN LANE 582+60 - 587+00,5,
N,906570,589630,9.4,L13.11
N,906541,589724,8.7,L13.12
N,906500,589858,8.3,L13.13
N,906471,589954,8.1,L13.14
N,906441,590049,7.8,L13.15
L3 NB OUTER MAIN LANE 582+60 - 587+00,6,
N,906579,589634,9.4,L3.11
N,906551,589727,8.7,L3.12
N,906510,589861,8.3,L3.13
N,906480,589957,8.1,L3.14
N,906450,590053,7.8,L3.15
L41 NB OFF-RAMP TO VIA DEL VALLE,7,
N,906422,590148,7.7,L41.1
N,906409,590206,7.5,L41.2
N,906392,590285,7.5,L41.3
N,906379,590343,7.6,L41.4
N,906375,590393,7.8,L41.5
N,906377,590442,8,L41.6
N,906398,590539,8.3,L41.7
N,906404,590582,8.5,L41.8
N,906404,590621,8.6,L41.9
N,906394,590668,10.8,L41.10
L40 VIA DEL VALLE SB ON-RAMP,8,
N,906395,590034,7.9,L40.1
N,906361,590131,7.5,L40.2
N,906330,590224,7,L40.3
N,906295,590318,7.8,L40.4
N,906258,590410,10.3,L40.5
N,906235,590467,11.8,L40.6
N,906217,590501,12.2,L40.7
N,906192,590531,12.3,L40.8
N,906131,590583,11.6,L40.9
N,906108,590615,11.5,L40.10
L6 SB OUTER MAIN LANE 587+00 - 600+80,9,

N,906395,590034,7.9,L6.1
N,906367,590130,7.5,L6.2
N,906337,590225,7.4,L6.3
N,906308,590321,8.3,L6.4
N,906278,590416,11,L6.5
N,906248,590513,13.8,L6.6
N,906221,590610,17,L6.7
N,906192,590705,20.1,L6.8
N,906163,590800,23.2,L6.9
N,906133,590895,26.1,L6.10
N,906104,590992,29.2,L6.11
N,906076,591088,32.4,L6.12
N,906052,591188,34.4,L6.13
N,906043,591260,35.5,L6.14
N,906030,591359,36.5,L6.15
L16 SB INNER MAIN LANE 587+00 - 600+80,10,
N,906406,590038,7.9,L16.1
N,906376,590134,7.6,L16.2
N,906348,590229,7.4,L16.3
N,906317,590325,8.3,L16.4
N,906289,590420,11,L16.5
N,906259,590516,13.8,L16.6
N,906230,590613,17,L16.7
N,906200,590707,20.1,L16.8
N,906171,590803,23.2,L16.9
N,906141,590898,26.1,L16.10
N,906112,590995,29.2,L16.11
N,906084,591090,32.4,L16.12
N,906063,591190,34.4,L16.13
N,906053,591261,35.5,L16.14
N,906041,591361,36.5,L16.15
L56 SB HOV LANE 587+00 - 600+80,11,
N,906416,590041,8,L56.1
N,906386,590136,7.8,L56.2
N,906356,590231,7.6,L56.3
N,906327,590328,8.5,L56.4
N,906298,590423,11.2,L56.5
N,906269,590519,14,L56.6
N,906239,590615,17.1,L56.7
N,906210,590710,20.2,L56.8
N,906180,590806,23.3,L56.9
N,906151,590902,26.3,L56.10
N,906122,590997,29.3,L56.11
N,906094,591093,32.1,L56.12
N,906073,591192,34.2,L56.13
N,906063,591262,35.4,L56.14
N,906051,591362,36.7,L56.15
L55 NB HOV LANE 587+00 - 600+80,12,
N,906431,590047,8,L55.1
N,906402,590142,7.8,L55.2
N,906371,590237,7.6,L55.3
N,906343,590332,8.5,L55.4
N,906313,590429,11.2,L55.5
N,906285,590523,14,L55.6
N,906254,590620,17.1,L55.7
N,906225,590715,20.2,L55.8

N,906197,590811,23.3,L55.9
N,906168,590907,26.2,L55.10
N,906138,591002,29.3,L55.11
N,906110,591098,31.9,L55.12
N,906089,591195,34,L55.13
N,906078,591275,35.5,L55.14
N,906067,591364,36.7,L55.15
L15 NB INNER MAIN LANE 587+00 - 600+80,13,
N,906441,590049,7.8,L15.1
N,906412,590145,7.7,L15.2
N,906382,590240,7.4,L15.3
N,906352,590336,8.3,L15.4
N,906323,590431,11,L15.5
N,906293,590527,13.9,L15.6
N,906264,590623,17,L15.7
N,906235,590718,20.1,L15.8
N,906206,590814,23.2,L15.9
N,906177,590909,26.1,L15.10
N,906148,591006,29.2,L15.11
N,906120,591100,31.6,L15.12
N,906098,591197,33.7,L15.13
N,906088,591276,35.3,L15.14
N,906077,591366,36.4,L15.15
L5 NB OUTER MAIN LANE 587+00 - 600+80,14,
N,906450,590053,7.8,L5.1
N,906422,590148,7.7,L5.2
N,906390,590242,7.4,L5.3
N,906360,590338,8.3,L5.4
N,906331,590434,11,L5.5
N,906302,590530,13.9,L5.6
N,906272,590626,17,L5.7
N,906243,590721,20.1,L5.8
N,906217,590817,23.2,L5.9
N,906188,590913,26.1,L5.10
N,906158,591009,29.2,L5.11
N,906130,591104,31.6,L5.12
N,906110,591199,33.7,L5.13
N,906099,591277,35.3,L5.14
N,906088,591367,36.4,L5.15
L42 SB OFF-RAMP TO VIA DEL VALLE,15,
N,906104,590634,11.5,L42.1
N,906091,590691,11,L42.2
N,906086,590732,11.9,L42.3
N,906094,590792,15.7,L42.4
N,906101,590846,19.3,L42.5
N,906105,590891,22.1,L42.6
N,906103,590930,24.7,L42.7
N,906084,591020,29.3,L42.8
N,906071,591085,30.9,L42.9
N,906052,591188,34.4,L42.10
L43 VIA DEL VALLE ON-RAMP TO NB,16,
N,906362,590693,10.5,L43.1
N,906350,590709,10.2,L43.2
N,906334,590722,10.2,L43.3
N,906274,590771,14.4,L43.4
N,906250,590804,17.1,L43.5

N,906222,590877,22.5,L43.6
N,906185,590971,27.1,L43.7
N,906156,591045,29.6,L43.8
N,906138,591104,30,L43.9
N,906114,591197,33.5,L43.10
N,906099,591277,35.3,L43.11
L8 SB OUTER MAIN LANE 600+80 - 615+00,17,
N,906030,591359,36.5,L8.1
N,906016,591467,37.7,L8.2
N,906005,591565,38.1,L8.3
N,905992,591666,38.5,L8.4
N,905980,591764,39.1,L8.5
N,905968,591865,39.6,L8.6
N,905957,591953,40,L8.7
N,905943,592063,40.6,L8.8
N,905929,592161,41.1,L8.9
N,905919,592260,41.4,L8.10
N,905907,592361,41.9,L8.11
N,905893,592478,42.6,L8.12
N,905879,592578,43,L8.13
N,905868,592679,43.5,L8.14
N,905855,592776,43.9,L8.15
L18 SB INNER MAIN LANE 600+80 - 615+00,18,
N,906041,591361,36.5,L18.1
N,906027,591468,37.7,L18.2
N,906015,591567,38.1,L18.3
N,906002,591667,38.5,L18.4
N,905991,591766,39.1,L18.5
N,905979,591866,39.6,L18.6
N,905968,591954,40,L18.7
N,905954,592064,40.6,L18.8
N,905941,592163,41.1,L18.9
N,905930,592262,41.4,L18.10
N,905916,592362,41.9,L18.11
N,905902,592480,42.6,L18.12
N,905890,592579,43,L18.13
N,905879,592681,43.5,L18.14
N,905866,592778,43.9,L18.15
L58 SB HOV LANE 600+80 - 615+00,19,
N,906051,591362,36.7,L58.1
N,906037,591470,37.8,L58.2
N,906025,591568,38.2,L58.3
N,906014,591669,38.7,L58.4
N,906001,591767,39.2,L58.5
N,905988,591867,39.7,L58.6
N,905977,591956,40.2,L58.7
N,905963,592065,40.8,L58.8
N,905951,592164,41.2,L58.9
N,905939,592263,41.6,L58.10
N,905927,592363,42.1,L58.11
N,905911,592482,42.6,L58.12
N,905900,592581,43.2,L58.13
N,905887,592680,43.7,L58.14
N,905876,592779,44.2,L58.15
L57 NB HOV LANE 600+80 - 615+00,20,
N,906067,591364,36.7,L57.1

N,906054,591473,37.7,L57.2
N,906042,591571,38.2,L57.3
N,906030,591671,38.7,L57.4
N,906018,591769,39.2,L57.5
N,906005,591869,39.7,L57.6
N,905993,591959,40.2,L57.7
N,905980,592068,40.8,L57.8
N,905967,592168,41.2,L57.9
N,905955,592265,41.6,L57.10
N,905943,592365,42.1,L57.11
N,905928,592484,42.6,L57.12
N,905916,592583,43.2,L57.13
N,905904,592682,43.7,L57.14
N,905892,592782,44.1,L57.15
L17 NB INNER MAIN LANE 600+80 - 615+00,21,
N,906077,591366,36.4,L17.1
N,906065,591474,37.6,L17.2
N,906051,591571,38.1,L17.3
N,906040,591672,38.6,L17.4
N,906027,591770,39.1,L17.5
N,906015,591870,39.6,L17.6
N,906003,591961,40,L17.7
N,905989,592070,40.6,L17.8
N,905978,592169,41.1,L17.9
N,905965,592267,41.5,L17.10
N,905953,592367,42,L17.11
N,905939,592486,42.5,L17.12
N,905928,592585,43,L17.13
N,905914,592685,43.5,L17.14
N,905903,592783,44,L17.15
L7 NB OUTER MAIN LANE 600+80 - 615+00,22,
N,906088,591367,36.4,L7.1
N,906074,591475,37.6,L7.2
N,906062,591573,38.1,L7.3
N,906051,591674,38.6,L7.4
N,906037,591772,39.1,L7.5
N,906025,591871,39.6,L7.6
N,906014,591962,40,L7.7
N,905998,592072,40.6,L7.8
N,905987,592170,41.1,L7.9
N,905974,592269,41.5,L7.10
N,905962,592369,42,L7.11
N,905949,592487,42.5,L7.12
N,905937,592586,43,L7.13
N,905925,592685,43.5,L7.14
N,905913,592785,44,L7.15
L44 LOMAS SANTA FE DR ON-RAMP TO SB,23,
N,905957,591953,40,L44.1
N,905936,592061,40.6,L44.2
N,905930,592102,40,L44.3
N,905917,592180,39,L44.4
N,905906,592239,40.7,L44.5
N,905897,592278,40.2,L44.6
N,905885,592315,38.3,L44.7
N,905867,592351,36.2,L44.8
N,905840,592405,35.4,L44.9

L46 SB OFF-RAMP TO LOMAS SANTA FE DR,24,
N,905822,592442,35.8,L46.1
N,905844,592558,39.5,L46.2
N,905858,592638,42.2,L46.3
N,905856,592698,43,L46.4
N,905851,592775,43.9,L46.5
N,905842,592876,44.4,L46.6
L47 LOMAS SANTA FE DR ON-RAMP TO NB,25,
N,906019,592426,36.2,L47.1
N,905999,592460,36.8,L47.2
N,905981,592494,39.3,L47.3
N,905964,592531,41.2,L47.4
N,905954,592569,41,L47.5
N,905942,592629,42.6,L47.6
N,905930,592707,43.1,L47.7
N,905918,592786,44,L47.8
N,905900,592883,49.5,L47.9,
L45 SB Lomas on-ramp (loop),26
N,905919,592260,41.4,L45.1,
N,905908,592302,41.5,L45.2,
N,905898,592378,41.6,L45.3,
N,905886,592456,42.1,L45.4,
N,905875,592495,41.4,L45.5,
N,905857,592509,39.4,L45.6,
N,905844,592483,36.5,L45.7,
N,905832,592443,35.8,L45.8,
B141 SB ON-RAMP,1,2,0,0,
906417,589936,8.2,8.2,B41.1,0.0
906387,590033,7.9,7.9,B41.3,0.0
906369,590090,7.6,7.6,B41.3A,0.0
906369,590090,7.6,11.3,B41.3A,12.0
906353,590140,7.5,11.2,B141.1,12.0
906324,590223,7,10.7,B141.2,12.0
906310,590266,7.2,10.9,B141.3,12.0
906290,590315,7.8,11.5,B141.4,12.0
B141 SB ON-RAMP,2,2,0,0,
906290,590315,7.8,12.1,B141.4,14.0
906268,590369,9.1,13.4,B141.5,14.0
906250,590405,10.3,14.6,B141.6,14.0
906238,590431,11.1,15.4,B141.7,14.0
B141/B140 SB ON-RAMP,3,2,0,0,
906238,590431,11.1,15.4,B141.7,14.0
906238,590442,11.3,15.6,B141.8,14.0
906229,590464,11.8,16.1,B141.9,14.0
906211,590498,12.2,16.5,B141.10,14.0
906186,590527,12.3,16.6,B140.2,14.0
906125,590579,11.6,15.9,B140.3,14.0
906125,590579,11.6,11.6,B140.3,0.0
906100,590602,11.5,11.5,B140.4,0.0
B80 CENTER DIVIDER 586+00 - 595+00,4,2,0,0,
906452,589948,8.3,9.3,B80.1,3.3
906423,590044,8,9,B80.2,3.3
906395,590140,7.8,8.8,B80.3,3.3
906365,590234,7.6,8.6,B80.4,3.3
906334,590330,8.5,9.5,B80.5,3.3
906306,590425,11.2,12.2,B80.6,3.3

906277,590521,14,15,B80.7,3.3
906247,590617,17.1,18.1,B80.8,3.3
906219,590714,20.2,21.2,B80.9,3.3
906189,590809,23.3,24.3,B80.10,3.3
B51 CENTER DIVIDER 595+00 - 603+90,5,2,0,0,
906189,590809,23.3,24.3,B51.1,3.3
906160,590904,26.3,27.3,B51.2,3.3
906131,591000,29.3,30.3,B51.3,3.3
906102,591096,31.9,32.9,B51.4,3.3
906081,591192,33.9,34.9,B51.5,3.3
906071,591268,35.4,36.4,B51.6,3.3
906059,591363,36.7,37.7,B51.7,3.3
906045,591471,37.8,38.8,B51.8,3.3
906033,591570,38.2,39.2,B51.9,3.3
906020,591670,38.7,39.7,B51.10,3.3
B3 WEST SIDE NEAR SB VIA DEL VALLE OFF-RAMP,6,1,0,0,
906051,590732,26,26,B3.1,0.0
906052,590770,29.2,29.2,B3.2,0.0
906039,590807,37,37,B3.3,0.0
906041,590816,38,38,B3.4,0.0
906057,590916,42.1,42.1,B3.5,0.0
906051,590957,46,46,B3.6,0.0
906043,590990,49.6,49.6,B3.7,0.0
906049,591025,44,44,B3.8,0.0
906055,591064,36.7,36.7,B3.9,0.0
B3 WEST SIDE NEAR SB VIA DEL VALLE OFF-RAMP,7,1,0,0,
906060,590962,45,45.0,B3.8,0.0
906046,590986,49.6,49.6,B3.9,0.0
906049,591025,44,44.0,B3.10,0.0
906055,591064,36.7,36.7,B3.11,0.0
B10 WEST SIDE 2-STORY BUILDING NEAR R3,8,2,0,0,
906003,590942,45.5,53.1,B10.1,24.9
906003,590970,49.4,57,B10.2,24.9
906004,590985,50.5,58.1,B10.3,24.9
B11 WEST SIDE 2-STORY BUILDING NEAR R3,9,2,0,0,
906024,591004,49.6,57.2,B11.1,24.9
906006,591005,49.6,57.2,B11.2,24.9
906007,591021,46.5,54.1,B11.3,24.9
B4 WEST SIDE NEAR L6,10,2,0,0,
906055,591064,36.7,39.1,B4.1,8.0
906055,591112,35,37.4,B104.1,8.0
906051,591151,36.5,38.9,B104.2,8.0
906044,591186,36,38.4,B104.3,8.0
906032,591255,39.2,41.6,B4.4,8.0
B4 WEST SIDE NEAR L6,11,2,0,0,
906032,591255,39.2,42.2,B4.4,10.0
906026,591287,41,44.0,B4.4A,10.0
906024,591314,38,41.0,B4.5,10.0
906024,591314,38,41.7,B4.5,12.0
906024,591314,38,41.7,B4.5,12.0
906018,591367,39.5,43.2,B4.6,12.0
906013,591415,38,41.7,B4.6A,12.0
906007,591465,37.7,41.4,B4.7,12.0
B4 WEST SIDE NEAR L6,12,2,0,0,
906007,591465,37.7,41.4,B4.7,12.0
905994,591565,38.1,41.8,B4.8,12.0

905983,591665,38.5,42.2,B4.9,12.0
B5 WEST SIDE NEAR ACADEMY DR_R9,13,2,0,0,
905983,591665,38.5,41.5,B4.9,10.0
905971,591763,39.1,42.1,B5.1,10.0
905958,591863,39.6,42.6,B5.2,10.0
905951,591911,41.4,44.4,B5.3,10.0
905938,591952,44,47.0,B5.4,10.0
905925,591999,48.2,51.2,B5.5,10.0
905915,592033,52.7,55.7,B5.6,10.0
905912,592077,52,55.0,B5.6A,10.0
B5 WEST SIDE NEAR ACADEMY DR_R9,14,2,0,0,
905912,592077,52,55.0,B5.6A,10.0
905912,592085,50,53.0,B5.7A,10.0
905911,592095,49.5,52.5,B5.7,10.0
905911,592095,49.5,49.5,B5.7,0.0
905893,592091,49,49.0,B5.8,0.0
B52 CENTER DIVIDER 603+90 - 612+00,15,2,0,0,
906020,591670,38.7,39.7,B52.1,3.3
906009,591768,39.2,40.2,B52.2,3.3
905997,591867,39.7,40.7,B52.3,3.3
905986,591957,40.2,41.2,B52.4,3.3
905972,592067,40.8,41.8,B52.5,3.3
905959,592166,41.2,42.2,B52.6,3.3
905947,592265,41.6,42.6,B52.7,3.3
905935,592364,42.1,43.1,B52.8,3.3
905921,592483,42.6,43.6,B52.9,3.3
B30 ONE STORY HOUSE R6.7A,16,2,0,0,
905955,591595,26,31,B30.1,16.4
905967,591586,27,32,B30.2,16.4
B31 ONE STORY HOUSE R6.7A,17,2,0,0,
905959,591605,25.8,30.8,B31.1,16.4
905951,591626,25.9,30.9,B31.2,16.4
B100 Lomas on-ramp R.O.W.,18,2,0,0,
905921,592140,20,20.9,B100.1,3.0
905913,592181,21.8,22.7,B100.2,3.0
905899,592238,22,22.9,B100.3,3.0
905896,592259,20,20.9,B100.4,3.0
905884,592296,20.5,21.4,B100.5,3.0
B142 SB Via Del Val. Bridge ,19,2,0,0,
906248,590487,13,13,B142.1,0.0
906205,590620,17,17,B142.2,0.0
906205,590620,17,17.9,B142.2,3.0
906191,590663,18.4,19.3,B142.3,3.0
906191,590663,18.4,18.4,B142.3,0.0
906163,590724,19.8,19.8,B142.4,0.0
R,1,67,4
906321,590164,4.4,R5.24
R,2,67,4
906270,590306,5.1,R5.25
R,3,67,4
906204,590376,5.2,R5.26
R,4,67,4
906025,590791,35.1,R6.1
R,5,67,4
906002,590853,37.2,R6.1A
R,5,67,4

906040,590889,42.4,R6.2
R,6,67,4
905999,590985,52.9,R6.3
R,7,67,4
906029,591088,34.1,R6.4A
R,9,67,4
906030,591212,38.5,R6.4
R,10,67,4
906015,591295,38.1,R6.5
R,11,67,4
905952,591364,31.5,R6.6
R,12,67,4
905972,591417,33.5,R6.7
R,13,67,4
905946,591595,26.6,R6.7A
R,14,67,4
905954,591708,30.6,R6.8
R,15,67,4
905945,591804,36.2,R6.9
R,16,67,4
905928,591854,35.9,R6.9A
R,17,67,4
905923,591984,47.9,R6.10
R,18,67,4
905910,592060,54.4,R6.11
D,4.5
ALL,ALL
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
06 VIA DE LA VALLE TO LOMAS SANTA FE WEST,BUILD,DGN,FT

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	BAR LENGTH	TYPE
1	-	0.*							B41.1	333.1	
2	-	0.*							B41.3	196.1	
3	-	6.*							B41.3A	12.2	
4	-	12.*							B41.3A	172.3	
5	-	12.*							B141.1	288.5	
6	-	12.*							B141.2	148.3	
7	-	12.*							B141.3	173.7	
8	-	14.*							B141.4	191.4	
9	-	14.*							B141.5	132.1	
10	-	14.*							B141.6	94.0	
11	-	14.*							B141.7	36.1	
12	-	14.*							B141.8	77.9	
13	-	14.*							B141.9	126.3	
14	-	14.*							B141.10	125.6	
15	-	14.*							B140.2	263.0	
16	-	7.*							B140.3	14.1	
17	-	0.*							B140.3	111.5	
18	-	3.*							B80.1	329.1	
19	-	3.*							B80.2	328.1	
20	-	3.*							B80.3	323.7	
21	-	3.*							B80.4	331.0	
22	-	3.*							B80.5	325.1	
23	-	3.*							B80.6	329.2	
24	-	3.*							B80.7	330.1	
25	-	3.*							B80.8	331.5	
26	-	3.*							B80.9	326.9	
27	-	3.*							B51.1	326.0	
28	-	3.*							B51.2	329.2	
29	-	3.*							B51.3	329.1	
30	-	3.*							B51.4	322.5	
31	-	3.*							B51.5	251.5	
32	-	3.*							B51.6	314.2	
33	-	3.*							B51.7	357.4	
34	-	3.*							B51.8	327.2	
35	-	3.*							B51.9	330.8	
36	-	0.*							B3.1	125.2	
37	-	0.*							B3.2	131.2	
38	-	0.*							B3.3	30.4	

39	- 0.*	B3.4	332.5
40	- 0.*	B3.5	136.5
41	- 0.*	B3.6	112.1
42	- 0.*	B3.7	117.9
43	- 0.*	B3.8	131.7
44	- 0.*	B3.8	92.3
45	- 0.*	B3.9	129.7
46	- 0.*	B3.10	131.7
47	- 25.*	B10.1	92.8
48	- 25.*	B10.2	49.4
49	- 25.*	B11.1	59.2
50	- 25.*	B11.2	53.6
51	- 8.*	B4.1	157.5
52	- 8.*	B104.1	128.8
53	- 8.*	B104.2	117.1
54	- 8.*	B104.3	230.0
55	- 10.*	B4.4	107.0
56	- 10.*	B4.4A	89.4
57	- 11.*	B4.5	2.3
58	- 12.*	B4.5	.0
59	- 12.*	B4.5	175.0
60	- 12.*	B4.6	158.4
61	- 12.*	B4.6A	165.3
62	- 12.*	B4.7	330.9
63	- 12.*	B4.8	330.0
64	- 10.*	B4.9	324.0
65	- 10.*	B5.1	330.8
66	- 10.*	B5.2	159.3
67	- 10.*	B5.3	141.4
68	- 10.*	B5.4	160.6
69	- 10.*	B5.5	117.2
70	- 10.*	B5.6	144.7
71	- 10.*	B5.6A	27.1
72	- 10.*	B5.7A	33.0
73	- 5.*	B5.7	9.8
74	- 0.*	B5.7	60.6
75	- 3.*	B52.1	323.6
76	- 3.*	B52.2	327.2
77	- 3.*	B52.3	297.4
78	- 3.*	B52.4	363.8
79	- 3.*	B52.5	327.6
80	- 3.*	B52.6	327.2
81	- 3.*	B52.7	327.2
82	- 3.*	B52.8	393.2
83	- 16.*	B30.1	49.3

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84    -  16.*                      B31.1      73.7

85    -   3.*                      B100.1    137.2
86    -   3.*                      B100.2    192.6
87    -   3.*                      B100.3     69.9
88    -   3.*                      B100.4    127.5

89    -   0.*                      B142.1    458.8
90    -   1.*                      B142.2      2.9
91    -   3.*                      B142.2    148.4
92    -   1.*                      B142.3      2.9
93    -   0.*                      B142.3    220.3
-------------------------------------------------------------------------------
      0   1   2   3   4   5   6   7
1
 REC REC ID    DNL  PEOPLE   LEQ(CAL)
 -------------------------------
  1  R5.24     67.    500.   69.0
  2  R5.25     67.    500.   67.4
  3  R5.26     67.    500.   66.4
  4  R6.1      67.    500.   68.3
  5  R6.1A     67.    500.   62.7
  6  R6.2      67.    500.   69.5
  7  R6.3      67.    500.   64.0
  8  R6.4A     67.    500.   67.2
  9  R6.4      67.    500.   73.1
 10  R6.5      67.    500.   67.8
 11  R6.6      67.    500.   64.3
 12  R6.7      67.    500.   65.9
 13  R6.7A     67.    500.   63.4
 14  R6.8      67.    500.   65.1
 15  R6.9      67.    500.   68.4
 16  R6.9A     67.    500.   67.5
 17  R6.10     67.    500.   69.8
 18  R6.11     67.    500.   70.4
 BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
  0. 0. 6.12.12.12.12.14.14.14.14.14.14.14.14. 7. 0. 3. 3. 3. 3. 3. 3. 3.
  3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.25.25.25.25.
  8. 8. 8. 8.10.10.11.12.12.12.12.12.12.10.10.10.10.10.10.10.10. 5. 0. 3.
  3. 3. 3. 3. 3. 3. 3.16.16. 3. 3. 3. 3. 0. 1. 3. 1. 0.
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06 Via De la Valle to Lomas Santa Fe WEST - OPT 2,Build,DGN,Ft,Opt2,
T-L4 SB OUTER MAIN LANE 582+60 - 587+00,1
4764,65,168,65,468,65
T-L14 SB INNER MAIN LANE 582+60 - 587+00,2
5412,65,168,65,0,65
T-L54 SB HOV LANE 582+60 - 587+00,3
3000,65,0,65,0,65
T-L53 NB HOV LANE 582+60 - 587+00,4
3000,65,0,65,0,65
T-L13 NB INNER MAIN LANE 582+60 - 587+00,5
5412,65,168,65,0,65
T-L3 NB OUTER MAIN LANE 582+60 - 587+00,6
4764,65,168,65,468,65
T-L41 NB OFF-RAMP TO VIA DEL VALLE,7
1520,45,38,45,42,45
T-L40 VIA DEL VALLE SB ON-RAMP,8
855,45,22,45,23,45
T-L6 SB OUTER MAIN LANE 587+00 - 600+80,9
4764,65,168,65,468,65
T-L16 SB INNER MAIN LANE 587+00 - 600+80,10
5412,65,168,65,0,65
T-L56 SB HOV LANE 587+00 - 600+80,11
3000,65,0,65,0,65
T-L55 NB HOV LANE 587+00 - 600+80,12
3000,65,0,65,0,65
T-L15 NB INNER MAIN LANE 587+00 - 600+80,13
5412,65,168,65,0,65
T-L5 NB OUTER MAIN LANE 587+00 - 600+80,14
4764,65,168,65,468,65
T-L42 SB OFF-RAMP TO VIA DEL VALLE,15
1045,45,26,45,29,45
T-L43 VIA DEL VALLE ON-RAMP TO NB,16
523,45,13,45,14,45
T-L8 SB OUTER MAIN LANE 600+80 - 615+00,17
4764,65,168,65,468,65
T-L18 SB INNER MAIN LANE 600+80 - 615+00,18
5412,65,168,65,0,65
T-L58 SB HOV LANE 600+80 - 615+00,19
3000,65,0,65,0,65
T-L57 NB HOV LANE 600+80 - 615+00,20
3000,65,0,65,0,65
T-L17 NB INNER MAIN LANE 600+80 - 615+00,21
5412,65,168,65,0,65
T-L7 NB OUTER MAIN LANE 600+80 - 615+00,22
4764,65,168,65,468,65
T-L44 LOMAS SANTA FE DR ON-RAMP TO SB,23
428,45,11,45,12,45
T-L46 SB OFF-RAMP TO LOMAS SANTA FE DR,24
855,45,22,45,23,45
T-L47 LOMAS SANTA FE DR ON-RAMP TO NB,25
380,45,10,45,10,45
L4 SB OUTER MAIN LANE 582+60 - 587+00,1
N,906524,589615,9.4,L4.11,
N,906496,589709,8.7,L4.12,
N,906454,589843,8.4,L4.13,
N,906424,589939,8.2,L4.14,

N,906395,590034,7.9,L4.15,
L14 SB INNER MAIN LANE 582+60 - 587+00,2
N,906535,589618,9.4,L14.11,
N,906506,589713,8.7,L14.12,
N,906465,589847,8.4,L14.13,
N,906435,589943,8.2,L14.14,
N,906406,590038,7.9,L14.15,
L54 SB HOV LANE 582+60 - 587+00,3
N,906545,589622,9.6,L54.11
N,906515,589716,8.9,L54.12
N,906475,589850,8.5,L54.13
N,906445,589945,8.3,L54.14
N,906416,590041,8,L54.15
L53 SB HOV LANE 582+60 - 587+00,4,
N,906560,589627,9.6,L53.11
N,906532,589721,8.9,L53.12
N,906490,589855,8.5,L53.13
N,906461,589950,8.3,L53.14
N,906431,590047,8,L53.15
L13 NB INNER MAIN LANE 582+60 - 587+00,5,
N,906570,589630,9.4,L13.11
N,906541,589724,8.7,L13.12
N,906500,589858,8.3,L13.13
N,906471,589954,8.1,L13.14
N,906441,590049,7.8,L13.15
L3 NB OUTER MAIN LANE 582+60 - 587+00,6,
N,906579,589634,9.4,L3.11
N,906551,589727,8.7,L3.12
N,906510,589861,8.3,L3.13
N,906480,589957,8.1,L3.14
N,906450,590053,7.8,L3.15
L41 NB OFF-RAMP TO VIA DEL VALLE,7,
N,906422,590148,7.7,L41.1
N,906409,590206,7.5,L41.2
N,906392,590285,7.5,L41.3
N,906379,590343,7.6,L41.4
N,906375,590393,7.8,L41.5
N,906377,590442,8,L41.6
N,906398,590539,8.3,L41.7
N,906404,590582,8.5,L41.8
N,906404,590621,8.6,L41.9
N,906394,590668,10.8,L41.10
L40 VIA DEL VALLE SB ON-RAMP,8,
N,906367,590130,7.5,L40.1
N,906332,590224,7.4,L40.2
N,906312,590281,7.4,L40.3
N,906293,590338,8.4,L40.4
N,906266,590413,10.3,L40.5
N,906244,590469,11.7,L40.6
N,906221,590524,12.3,L40.7
N,906202,590548,12.2,L40.8
N,906182,590568,12,L40.9
N,906149,590586,11.5,L40.10
N,906111,590598,11.5,L40.11
L6 SB OUTER MAIN LANE 587+00 - 600+80,9,
N,906395,590034,7.9,L6.1

N,906367,590130,7.5,L6.2
N,906337,590225,7.4,L6.3
N,906308,590321,8.3,L6.4
N,906278,590416,11,L6.5
N,906248,590513,13.8,L6.6
N,906221,590610,17,L6.7
N,906192,590705,20.1,L6.8
N,906163,590800,23.2,L6.9
N,906133,590895,26.1,L6.10
N,906104,590992,29.2,L6.11
N,906076,591088,32.4,L6.12
N,906052,591188,34.4,L6.13
N,906043,591260,35.5,L6.14
N,906030,591359,36.5,L6.15
L16 SB INNER MAIN LANE 587+00 - 600+80,10,
N,906406,590038,7.9,L16.1
N,906376,590134,7.6,L16.2
N,906348,590229,7.4,L16.3
N,906317,590325,8.3,L16.4
N,906289,590420,11,L16.5
N,906259,590516,13.8,L16.6
N,906230,590613,17,L16.7
N,906200,590707,20.1,L16.8
N,906171,590803,23.2,L16.9
N,906141,590898,26.1,L16.10
N,906112,590995,29.2,L16.11
N,906084,591090,32.4,L16.12
N,906063,591190,34.4,L16.13
N,906053,591261,35.5,L16.14
N,906041,591361,36.5,L16.15
L56 SB HOV LANE 587+00 - 600+80,11,
N,906416,590041,8,L56.1
N,906386,590136,7.8,L56.2
N,906356,590231,7.6,L56.3
N,906327,590328,8.5,L56.4
N,906298,590423,11.2,L56.5
N,906269,590519,14,L56.6
N,906239,590615,17.1,L56.7
N,906210,590710,20.2,L56.8
N,906180,590806,23.3,L56.9
N,906151,590902,26.3,L56.10
N,906122,590997,29.3,L56.11
N,906094,591093,32.1,L56.12
N,906073,591192,34.2,L56.13
N,906063,591262,35.4,L56.14
N,906051,591362,36.7,L56.15
L55 NB HOV LANE 587+00 - 600+80,12,
N,906431,590047,8,L55.1
N,906402,590142,7.8,L55.2
N,906371,590237,7.6,L55.3
N,906343,590332,8.5,L55.4
N,906313,590429,11.2,L55.5
N,906285,590523,14,L55.6
N,906254,590620,17.1,L55.7
N,906225,590715,20.2,L55.8
N,906197,590811,23.3,L55.9

N,906168,590907,26.2,L55.10
N,906138,591002,29.3,L55.11
N,906110,591098,31.9,L55.12
N,906089,591195,34,L55.13
N,906078,591275,35.5,L55.14
N,906067,591364,36.7,L55.15
L15 NB INNER MAIN LANE 587+00 - 600+80,13,
N,906441,590049,7.8,L15.1
N,906412,590145,7.7,L15.2
N,906382,590240,7.4,L15.3
N,906352,590336,8.3,L15.4
N,906323,590431,11,L15.5
N,906293,590527,13.9,L15.6
N,906264,590623,17,L15.7
N,906235,590718,20.1,L15.8
N,906206,590814,23.2,L15.9
N,906177,590909,26.1,L15.10
N,906148,591006,29.2,L15.11
N,906120,591100,31.6,L15.12
N,906098,591197,33.7,L15.13
N,906088,591276,35.3,L15.14
N,906077,591366,36.4,L15.15
L5 NB OUTER MAIN LANE 587+00 - 600+80,14,
N,906450,590053,7.8,L5.1
N,906422,590148,7.7,L5.2
N,906390,590242,7.4,L5.3
N,906360,590338,8.3,L5.4
N,906331,590434,11,L5.5
N,906302,590530,13.9,L5.6
N,906272,590626,17,L5.7
N,906243,590721,20.1,L5.8
N,906217,590817,23.2,L5.9
N,906188,590913,26.1,L5.10
N,906158,591009,29.2,L5.11
N,906130,591104,31.6,L5.12
N,906110,591199,33.7,L5.13
N,906099,591277,35.3,L5.14
N,906088,591367,36.4,L5.15
L42 SB OFF-RAMP TO VIA DEL VALLE,15,
N,906082,590633,10.8,L42.1
N,906074,590672,11.4,L42.2
N,906074,590693,11,L42.3
N,906081,590734,12,L42.4
N,906091,590793,15.7,L42.5
N,906104,590872,20.8,L42.6
N,906105,590911,23.4,L42.7
N,906099,590950,25.8,L42.8
N,906085,591008,28.6,L42.9
N,906073,591067,30.9,L42.10
N,906052,591188,34.4,L42.11
L43 VIA DEL VALLE ON-RAMP TO NB,16,
N,906381,590703,10.8,L43.1
N,906343,590711,10.3,L43.2
N,906308,590729,10.8,L43.3
N,906279,590754,13.1,L43.4
N,906258,590787,15.8,L43.5

N,906228,590861,21.3,L43.6
N,906206,590916,24.6,L43.7
N,906184,590972,27.2,L43.8
N,906164,591027,29.1,L43.9
N,906149,591066,30.1,L43.10
N,906127,591142,32,L43.11
N,906115,591200,33.5,L43.12
N,906099,591277,35.3,L43.13
L8 SB OUTER MAIN LANE 600+80 - 615+00,17,
N,906030,591359,36.5,L8.1
N,906016,591467,37.7,L8.2
N,906005,591565,38.1,L8.3
N,905992,591666,38.5,L8.4
N,905980,591764,39.1,L8.5
N,905968,591865,39.6,L8.6
N,905957,591953,40,L8.7
N,905943,592063,40.6,L8.8
N,905929,592161,41.1,L8.9
N,905919,592260,41.4,L8.10
N,905907,592361,41.9,L8.11
N,905893,592478,42.6,L8.12
N,905879,592578,43,L8.13
N,905868,592679,43.5,L8.14
N,905855,592776,43.9,L8.15
L18 SB INNER MAIN LANE 600+80 - 615+00,18,
N,906041,591361,36.5,L18.1
N,906027,591468,37.7,L18.2
N,906015,591567,38.1,L18.3
N,906002,591667,38.5,L18.4
N,905991,591766,39.1,L18.5
N,905979,591866,39.6,L18.6
N,905968,591954,40,L18.7
N,905954,592064,40.6,L18.8
N,905941,592163,41.1,L18.9
N,905930,592262,41.4,L18.10
N,905916,592362,41.9,L18.11
N,905902,592480,42.6,L18.12
N,905890,592579,43,L18.13
N,905879,592681,43.5,L18.14
N,905866,592778,43.9,L18.15
L58 SB HOV LANE 600+80 - 615+00,19,
N,906051,591362,36.7,L58.1
N,906037,591470,37.8,L58.2
N,906025,591568,38.2,L58.3
N,906014,591669,38.7,L58.4
N,906001,591767,39.2,L58.5
N,905988,591867,39.7,L58.6
N,905977,591956,40.2,L58.7
N,905963,592065,40.8,L58.8
N,905951,592164,41.2,L58.9
N,905939,592263,41.6,L58.10
N,905927,592363,42.1,L58.11
N,905911,592482,42.6,L58.12
N,905900,592581,43.2,L58.13
N,905887,592680,43.7,L58.14
N,905876,592779,44.2,L58.15

L57 NB HOV LANE 600+80 - 615+00,20,
N,906067,591364,36.7,L57.1
N,906054,591473,37.7,L57.2
N,906042,591571,38.2,L57.3
N,906030,591671,38.7,L57.4
N,906018,591769,39.2,L57.5
N,906005,591869,39.7,L57.6
N,905993,591959,40.2,L57.7
N,905980,592068,40.8,L57.8
N,905967,592168,41.2,L57.9
N,905955,592265,41.6,L57.10
N,905943,592365,42.1,L57.11
N,905928,592484,42.6,L57.12
N,905916,592583,43.2,L57.13
N,905904,592682,43.7,L57.14
N,905892,592782,44.1,L57.15
L17 NB INNER MAIN LANE 600+80 - 615+00,21,
N,906077,591366,36.4,L17.1
N,906065,591474,37.6,L17.2
N,906051,591571,38.1,L17.3
N,906040,591672,38.6,L17.4
N,906027,591770,39.1,L17.5
N,906015,591870,39.6,L17.6
N,906003,591961,40,L17.7
N,905989,592070,40.6,L17.8
N,905978,592169,41.1,L17.9
N,905965,592267,41.5,L17.10
N,905953,592367,42,L17.11
N,905939,592486,42.5,L17.12
N,905928,592585,43,L17.13
N,905914,592685,43.5,L17.14
N,905903,592783,44,L17.15
L7 NB OUTER MAIN LANE 600+80 - 615+00,22,
N,906088,591367,36.4,L7.1
N,906074,591475,37.6,L7.2
N,906062,591573,38.1,L7.3
N,906051,591674,38.6,L7.4
N,906037,591772,39.1,L7.5
N,906025,591871,39.6,L7.6
N,906014,591962,40,L7.7
N,905998,592072,40.6,L7.8
N,905987,592170,41.1,L7.9
N,905974,592269,41.5,L7.10
N,905962,592369,42,L7.11
N,905949,592487,42.5,L7.12
N,905937,592586,43,L7.13
N,905925,592685,43.5,L7.14
N,905913,592785,44,L7.15
L44 LOMAS SANTA FE DR ON-RAMP TO SB,23,
N,905957,591953,40,L44.1
N,905936,592061,40.6,L44.2
N,905930,592102,40,L44.3
N,905917,592180,39,L44.4
N,905906,592239,40.7,L44.5
N,905897,592278,40.2,L44.6
N,905885,592315,38.3,L44.7

N,905867,592351,36.2,L44.8
N,905840,592405,35.4,L44.9
L46 SB OFF-RAMP TO LOMAS SANTA FE DR,24,
N,905818,592443,35.8,L46.1
N,905826,592482,36.4,L46.2
N,905838,592540,38.7,L46.3
N,905850,592600,41.1,L46.4
N,905857,592658,42.6,L46.5
N,905854,592738,43.3,L46.6
N,905850,592794,44,L46.7
N,905842,592876,44.4,L46.8
L47 LOMAS SANTA FE DR ON-RAMP TO NB,25,
N,906019,592426,36.2,L47.1
N,905999,592460,36.8,L47.2
N,905981,592494,39.3,L47.3
N,905964,592531,41.2,L47.4
N,905954,592569,41,L47.5,
N,905942,592629,42.6,L47.6,
N,905930,592707,43.1,L47.7,
N,905918,592786,44,L47.8,
N,905900,592883,49.5,L47.9,
B41 EAST SIDE ALONG SB L4,1,2,0,0,
906417,589936,8.2,9.1,B41.1,
906401,589987,7.8,8.7,B41.2,
906387,590033,7.9,8.8,B41.3,
906357,590127,7.6,8.5,B41.4,
906326,590223,7.9,8.8,B41.5,
906296,590318,8.3,9.2,B41.6,
906279,590371,9.2,10.1,B41.7,
906259,590412,10.3,11.2,B41.8,
906236,590472,11.7,12.6,B41.9,
906223,590506,12.3,13.2,B41.10,
B40 EAST SIDE ALONG VIA DEL VALLE SB ON-RAMP,2,2,0,0,
906223,590506,12.3,13.2,B40.1,
906205,590537,12.2,13.1,B40.2,
906177,590563,12,12.9,B40.3,
906145,590582,11.8,12.7,B40.4,
906108,590591,11.5,12.4,B40.5,
B80 CENTER DIVIDER 586+00 - 595+00,3,2,0,0,
906452,589948,8.3,9.3,B80.1,
906423,590044,8,9,B80.2,
906395,590140,7.8,8.8,B80.3,
906365,590234,7.6,8.6,B80.4,
906334,590330,8.5,9.5,B80.5,
906306,590425,11.2,12.2,B80.6,
906277,590521,14,15,B80.7,
906247,590617,17.1,18.1,B80.8,
906219,590714,20.2,21.2,B80.9,
906189,590809,23.3,24.3,B80.10,
B51 CENTER DIVIDER 595+00 - 603+90,4,2,0,0,
906189,590809,23.3,24.3,B51.1,
906160,590904,26.3,27.3,B51.2,
906131,591000,29.3,30.3,B51.3,
906102,591096,31.9,32.9,B51.4,
906081,591192,33.9,34.9,B51.5,
906071,591268,35.4,36.4,B51.6,

906059,591363,36.7,37.7,B51.7,
906045,591471,37.8,38.8,B51.8,
906033,591570,38.2,39.2,B51.9,
906020,591670,38.7,39.7,B51.10,
B3 WEST SIDE NEAR SB VIA DEL VALLE OFF-RAMP,5,1,0,0,
906051,590732,26,26,B3.1,
906052,590770,29.2,29.2,B3.2,
906039,590807,37,37,B3.3,
906041,590816,38,38,B3.4,
906052,590827,40,40,B3.5,
906066,590880,41.5,41.5,B3.6,
906069,590913,42.1,42.1,B3.7,
906060,590962,45,45,B3.8,
906046,590986,49.6,49.6,B3.9,
906049,591025,44,44,B3.10,
906055,591064,36.7,36.7,B3.11,
B10 WEST SIDE 2-STORY BUILDING NEAR R3,7,2,0,0,
906003,590942,45.5,53.1,B10.1,
906003,590970,49.4,57,B10.2,
906004,590985,50.5,58.1,B10.3,
B11 WEST SIDE 2-STORY BUILDING NEAR R3,8,2,0,0,
906024,591004,49.6,57.2,B11.1,
906006,591005,49.6,57.2,B11.2,
906007,591021,46.5,54.1,B11.3,
B4 WEST SIDE NEAR L6,9,2,0,0,
906055,591064,36.7,36.7,B4.1,
906055,591117,35,35,B4.2,
906041,591190,36,36,B4.3,
906032,591255,39.2,39.2,B4.4,
906026,591287,41,41,B4.4A,
906024,591314,38,38,B4.5,
906018,591367,39.5,39.5,B4.6,
906013,591415,38,38,B4.6A,
906007,591465,37.7,37.7,B4.7,
B4 WEST SIDE NEAR L6,9,2,0,0,
906007,591465,37.7,38.6,B4.7,
905994,591565,38.1,39,B4.8,
905983,591665,38.5,39.4,B4.9,
B5 WEST SIDE NEAR ACADEMY DR_R9,11,2,0,0,
905983,591665,38.5,39.4,B4.9,
905971,591763,39.1,40,B5.1,
905958,591863,38.4,39.3,B5.2,
905951,591911,41.4,42.3,B5.3,
905951,591911,41.4,41.4,B5.3,
905935,592004,48.2,48.2,B5.5,
905925,592043,52,52,B5.6,
905920,592077,52,52,B5.6A,
905920,592085,50,50,B5.7A,
905911,592095,49.5,49.5,B5.7,
905893,592091,49,49,B5.8,
B52 CENTER DIVIDER 603+90 - 612+00,12,2,0,0,
906020,591670,38.7,39.7,B52.1,
906009,591768,39.2,40.2,B52.2,
905997,591867,39.7,40.7,B52.3,
905986,591957,40.2,41.2,B52.4,
905972,592067,40.8,41.8,B52.5,

905959,592166,41.2,42.2,B52.6,
905947,592265,41.6,42.6,B52.7,
905935,592364,42.1,43.1,B52.8,
905921,592483,42.6,43.6,B52.9,
B30 ONE STORY HOUSE R6.7A,13,2,0,0,
905955,591595,26,31,B30.1,
905967,591586,27,32,B30.2,
B31 ONE STORY HOUSE R6.7A,14,2,0,0,
905959,591605,25.8,30.8,B31.1,
905951,591626,25.9,30.9,B31.2,
B100 BARRIER ON PRIV PROP R6.9,15,2,0,0,
905928,591794,34,38.3,B52.1,
905941,591793,34,38.3,B52.2,
905955,591798,34,38.3,B52.3,
905950,591829,36,40.3,B52.4,
905943,591854,38,42.3,B52.5,
905896,591875,38,42.3,B52.6,
R,1,67,4
906321,590164,4.4,R5.24
R,2,67,4
906270,590306,5.1,R5.25
R,3,67,4
906204,590376,5.2,R5.26
R,4,67,4
906025,590791,35.1,R6.1
R,5,67,4
906002,590853,37.2,R6.1A
R,5,67,4
906040,590889,42.4,R6.2
R,6,67,4
905999,590985,52.9,R6.3
R,7,67,4
906043,591093,36,R6.4A
R,7,67,4
906030,591212,38.5,R6.4
R,8,67,4
906015,591295,38.1,R6.5
R,9,67,4
905952,591364,32.3,R6.6
R,10,67,4
905972,591417,33.5,R6.7
R,13,67,4
905946,591595,26.6,R6.7A
R,11,67,4
905954,591708,30.6,R6.8
R,12,67,4
905945,591804,36.2,R6.9
R,13,67,4
905928,591854,35.9,R6.9A
R,14,67,4
905923,591984,47.9,R6.10
R,15,67,4
905910,592060,54.4,R6.11
D,4.5
ALL,ALL
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SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
06 VIA DE LA VALLE TO LOMAS SANTA FE WEST - OPT 2,BUILD,DGN,FT,OPT2,

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	-	3.*							B41.1	175.3	
2	-	3.*							B41.2	157.8	
3	-	3.*							B41.3	323.7	
4	-	3.*							B41.4	331.0	
5	-	3.*							B41.5	326.8	
6	-	3.*							B41.6	182.7	
7	-	3.*							B41.7	149.7	
8	-	3.*							B41.8	210.9	
9	-	3.*							B41.9	119.4	
10	-	3.*							B40.1	117.6	
11	-	3.*							B40.2	125.4	
12	-	3.*							B40.3	122.1	
13	-	3.*							B40.4	124.9	
14	-	3.*							B80.1	329.1	
15	-	3.*							B80.2	328.1	
16	-	3.*							B80.3	323.7	
17	-	3.*							B80.4	331.0	
18	-	3.*							B80.5	325.1	
19	-	3.*							B80.6	329.2	
20	-	3.*							B80.7	330.1	
21	-	3.*							B80.8	331.5	
22	-	3.*							B80.9	326.9	
23	-	3.*							B51.1	326.0	
24	-	3.*							B51.2	329.2	
25	-	3.*							B51.3	329.1	
26	-	3.*							B51.4	322.5	
27	-	3.*							B51.5	251.5	
28	-	3.*							B51.6	314.2	
29	-	3.*							B51.7	357.4	
30	-	3.*							B51.8	327.2	
31	-	3.*							B51.9	330.8	
32	-	0.*							B3.1	125.2	
33	-	0.*							B3.2	131.2	
34	-	0.*							B3.3	30.4	
35	-	0.*							B3.4	51.4	
36	-	0.*							B3.5	180.0	
37	-	0.*							B3.6	108.7	
38	-	0.*							B3.7	163.8	
39	-	0.*							B3.8	92.3	

40	-	0.*	B3.9	129.7
41	-	0.*	B3.10	131.7
42	-	25.*	B10.1	92.8
43	-	25.*	B10.2	49.4
44	-	25.*	B11.1	59.2
45	-	25.*	B11.2	53.6
46	-	0.*	B4.1	173.9
47	-	0.*	B4.2	243.9
48	-	0.*	B4.3	215.6
49	-	0.*	B4.4	107.0
50	-	0.*	B4.4A	89.4
51	-	0.*	B4.5	175.0
52	-	0.*	B4.6	158.4
53	-	0.*	B4.6A	165.3
54	-	3.*	B4.7	330.9
55	-	3.*	B4.8	330.0
56	-	3.*	B4.9	324.0
57	-	3.*	B5.1	330.8
58	-	3.*	B5.2	159.5
59	-	2.*	B5.3	3.0
60	-	0.*	B5.3	310.4
61	-	0.*	B5.5	132.7
62	-	0.*	B5.6	112.7
63	-	0.*	B5.6A	27.1
64	-	0.*	B5.7A	44.1
65	-	0.*	B5.7	60.6
66	-	3.*	B52.1	323.6
67	-	3.*	B52.2	327.2
68	-	3.*	B52.3	297.4
69	-	3.*	B52.4	363.8
70	-	3.*	B52.5	327.6
71	-	3.*	B52.6	327.2
72	-	3.*	B52.7	327.2
73	-	3.*	B52.8	393.2
74	-	16.*	B30.1	49.3
75	-	16.*	B31.1	73.7
76	-	14.*	B52.1	42.8
77	-	14.*	B52.2	48.7
78	-	14.*	B52.3	103.2
79	-	14.*	B52.4	85.4
80	-	14.*	B52.5	168.9

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0 1 2 3 4 5 6 7

1

REC	REC ID	DNL	PEOPLE	LEQ(CAL)
1	R5.24	67.	500.	73.2

```
 2  R5.25     67.    500.   73.5
 3  R5.26     67.    500.   71.9
 4  R6.1      67.    500.   68.2
 5  R6.1A     67.    500.   62.4
 6  R6.2      67.    500.   66.4
 7  R6.3      67.    500.   64.1
 8  R6.4A     67.    500.   76.5
 9  R6.4      67.    500.   80.3
10  R6.5      67.    500.   73.9
11  R6.6      67.    500.   69.8
12  R6.7      67.    500.   72.2
13  R6.7A     67.    500.   68.4
14  R6.8      67.    500.   69.5
15  R6.9      67.    500.   72.7
16  R6.9A     67.    500.   68.0
17  R6.10     67.    500.   74.8
18  R6.11     67.    500.   75.2
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.25.25.25.25. 0. 0. 0. 0. 0.
 0. 0. 0. 3. 3. 3. 3. 3. 2. 0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3.16.16.
14.14.14.14.14.
```

06 Via De la Valle to Lomas Santa Fe,EAST - No Build,0,Ft
T-L4 SB OUTER MAIN LANE 582+60 - 587+00,1
0,65,0,65,0,65
T-L14 SB INNER MAIN LANE 582+60 - 587+00,2
6684,65,214,65,302,65
T-L54 SB HOV LANE 582+60 - 587+00,3
1500,65,0,65,0,65
T-L53 NB HOV LANE 582+60 - 587+00,4
1500,65,0,65,0,65
T-L13 NB INNER MAIN LANE 582+60 - 587+00,5
6684,65,214,65,302,65
T-L3 NB OUTER MAIN LANE 582+60 - 587+00,6
0,65,0,65,0,65
T-L41 NB OFF-RAMP TO VIA DEL VALLE,7
950,45,24,45,26,45
T-L40 VIA DEL VALLE SB ON-RAMP,8
855,45,22,45,23,45
T-L6 SB OUTER MAIN LANE 587+00 - 600+80,9
0,65,0,65,0,65
T-L16 SB INNER MAIN LANE 587+00 - 600+80,10
4963,65,132,65,305,65
T-L56 SB INNER LANE 587+00 - 600+80,11
3517,65,88,65,0,65
T-L55 NB INNER LANE 587+00 - 600+80,12
3517,65,88,65,0,65
T-L15 NB INNER MAIN LANE 587+00 - 600+80,13
4963,65,132,65,305,65
T-L5 NB OUTER MAIN LANE 587+00 - 600+80,14
0,65,0,65,0,65
T-L42 SB OFF-RAMP TO VIA DEL VALLE,15
950,45,24,45,26,45
T-L43 VIA DEL VALLE ON-RAMP TO NB,16
523,45,13,45,14,45
T-L8 SB OUTER MAIN LANE 600+80 - 615+00,17
0,65,0,65,0,65
T-L18 SB INNER MAIN LANE 600+80 - 615+00,18
4963,65,132,65,305,65
T-L58 SB INNER LANE 600+80 - 615+00,19
3517,65,88,65,0,65
T-L57 NB INNER LANE 600+80 - 615+00,20
3517,65,88,65,0,65
T-L17 NB INNER MAIN LANE 600+80 - 615+00,21
4963,65,132,65,305,65
T-L7 NB OUTER MAIN LANE 600+80 - 615+00,22
0,65,0,65,0,65
T-L44 LOMAS SANTA FE DR ON-RAMP TO SB,23
656,45,17,45,18,45
T-L46 SB OFF-RAMP TO LOMAS SANTA FE DR,24
798,45,20,45,22,45
T-L47 LOMAS SANTA FE DR ON-RAMP TO NB,25
840,45,20,45,22,45
L4 SB OUTER MAIN LANE 582+60 - 587+00,1
N,906524,589615,9.4,L4.11,
N,906496,589709,8.7,L4.12,
N,906454,589843,8.4,L4.13,
N,906424,589939,8.2,L4.14,

N,906395,590034,7.9,L4.15,
L14 SB INNER MAIN LANE 582+60 - 587+00,2
N,906535,589618,9.4,L14.11,
N,906506,589713,8.7,L14.12,
N,906465,589847,8.4,L14.13,
N,906435,589943,8.2,L14.14,
N,906406,590038,7.9,L14.15,
L54 SB HOV LANE 582+60 - 587+00,3
N,906545,589622,9.6,L54.11
N,906515,589716,8.9,L54.12
N,906475,589850,8.5,L54.13
N,906445,589945,8.3,L54.14
N,906416,590041,8,L54.15
L53 SB HOV LANE 582+60 - 587+00,4,
N,906560,589627,9.6,L53.11
N,906532,589721,8.9,L53.12
N,906490,589855,8.5,L53.13
N,906461,589950,8.3,L53.14
N,906431,590047,8,L53.15
L13 NB INNER MAIN LANE 582+60 - 587+00,5,
N,906570,589630,9.4,L13.11
N,906541,589724,8.7,L13.12
N,906500,589858,8.3,L13.13
N,906471,589954,8.1,L13.14
N,906441,590049,7.8,L13.15
L3 NB OUTER MAIN LANE 582+60 - 587+00,6,
N,906579,589634,9.4,L3.11
N,906551,589727,8.7,L3.12
N,906510,589861,8.3,L3.13
N,906480,589957,8.1,L3.14
N,906450,590053,7.8,L3.15
L41 NB OFF-RAMP TO VIA DEL VALLE,7,
N,906422,590148,7.7,L41.1
N,906409,590206,7.5,L41.2
N,906392,590285,7.5,L41.3
N,906379,590343,7.6,L41.4
N,906375,590393,7.8,L41.5
N,906377,590442,8,L41.6
N,906398,590539,8.3,L41.7
N,906404,590582,8.5,L41.8
N,906404,590621,8.6,L41.9
N,906394,590668,10.8,L41.10
L40 VIA DEL VALLE SB ON-RAMP,8,
N,906367,590130,7.5,L40.1
N,906332,590224,7.4,L40.2
N,906312,590281,7.4,L40.3
N,906293,590338,8.4,L40.4
N,906266,590413,10.3,L40.5
N,906244,590469,11.7,L40.6
N,906221,590524,12.3,L40.7
N,906202,590548,12.2,L40.8
N,906182,590568,12,L40.9
N,906149,590586,11.5,L40.10
N,906111,590598,11.5,L40.11
L6 SB OUTER MAIN LANE 587+00 - 600+80,9,
N,906395,590034,7.9,L6.1

N,906367,590130,7.5,L6.2
N,906337,590225,7.4,L6.3
N,906308,590321,8.3,L6.4
N,906278,590416,11,L6.5
N,906248,590513,13.8,L6.6
N,906221,590610,17,L6.7
N,906192,590705,20.1,L6.8
N,906163,590800,23.2,L6.9
N,906133,590895,26.1,L6.10
N,906104,590992,29.2,L6.11
N,906076,591088,32.4,L6.12
N,906052,591188,34.4,L6.13
N,906043,591260,35.5,L6.14
N,906030,591359,36.5,L6.15
L16 SB INNER MAIN LANE 587+00 - 600+80,10,
N,906406,590038,7.9,L16.1
N,906376,590134,7.6,L16.2
N,906348,590229,7.4,L16.3
N,906317,590325,8.3,L16.4
N,906289,590420,11,L16.5
N,906259,590516,13.8,L16.6
N,906230,590613,17,L16.7
N,906200,590707,20.1,L16.8
N,906171,590803,23.2,L16.9
N,906141,590898,26.1,L16.10
N,906112,590995,29.2,L16.11
N,906084,591090,32.4,L16.12
N,906063,591190,34.4,L16.13
N,906053,591261,35.5,L16.14
N,906041,591361,36.5,L16.15
L56 SB HOV LANE 587+00 - 600+80,11,
N,906416,590041,8,L56.1
N,906386,590136,7.8,L56.2
N,906356,590231,7.6,L56.3
N,906327,590328,8.5,L56.4
N,906298,590423,11.2,L56.5
N,906269,590519,14,L56.6
N,906239,590615,17.1,L56.7
N,906210,590710,20.2,L56.8
N,906180,590806,23.3,L56.9
N,906151,590902,26.3,L56.10
N,906122,590997,29.3,L56.11
N,906094,591093,32.1,L56.12
N,906073,591192,34.2,L56.13
N,906063,591262,35.4,L56.14
N,906051,591362,36.7,L56.15
L55 NB HOV LANE 587+00 - 600+80,12,
N,906431,590047,8,L55.1
N,906402,590142,7.8,L55.2
N,906371,590237,7.6,L55.3
N,906343,590332,8.5,L55.4
N,906313,590429,11.2,L55.5
N,906285,590523,14,L55.6
N,906254,590620,17.1,L55.7
N,906225,590715,20.2,L55.8
N,906197,590811,23.3,L55.9

N,906168,590907,26.2,L55.10
N,906138,591002,29.3,L55.11
N,906110,591098,31.9,L55.12
N,906089,591195,34,L55.13
N,906078,591275,35.5,L55.14
N,906067,591364,36.7,L55.15
L15 NB INNER MAIN LANE 587+00 - 600+80,13,
N,906441,590049,7.8,L15.1
N,906412,590145,7.7,L15.2
N,906382,590240,7.4,L15.3
N,906352,590336,8.3,L15.4
N,906323,590431,11,L15.5
N,906293,590527,13.9,L15.6
N,906264,590623,17,L15.7
N,906235,590718,20.1,L15.8
N,906206,590814,23.2,L15.9
N,906177,590909,26.1,L15.10
N,906148,591006,29.2,L15.11
N,906120,591100,31.6,L15.12
N,906098,591197,33.7,L15.13
N,906088,591276,35.3,L15.14
N,906077,591366,36.4,L15.15
L5 NB OUTER MAIN LANE 587+00 - 600+80,14,
N,906450,590053,7.8,L5.1
N,906422,590148,7.7,L5.2
N,906390,590242,7.4,L5.3
N,906360,590338,8.3,L5.4
N,906331,590434,11,L5.5
N,906302,590530,13.9,L5.6
N,906272,590626,17,L5.7
N,906243,590721,20.1,L5.8
N,906217,590817,23.2,L5.9
N,906188,590913,26.1,L5.10
N,906158,591009,29.2,L5.11
N,906130,591104,31.6,L5.12
N,906110,591199,33.7,L5.13
N,906099,591277,35.3,L5.14
N,906088,591367,36.4,L5.15
L42 SB OFF-RAMP TO VIA DEL VALLE,15,
N,906082,590633,10.8,L42.1
N,906074,590672,11.4,L42.2
N,906074,590693,11,L42.3
N,906081,590734,12,L42.4
N,906091,590793,15.7,L42.5
N,906104,590872,20.8,L42.6
N,906105,590911,23.4,L42.7
N,906099,590950,25.8,L42.8
N,906085,591008,28.6,L42.9
N,906073,591067,30.9,L42.10
N,906052,591188,34.4,L42.11
L43 VIA DEL VALLE ON-RAMP TO NB,16,
N,906381,590703,10.8,L43.1
N,906343,590711,10.3,L43.2
N,906308,590729,10.8,L43.3
N,906279,590754,13.1,L43.4
N,906258,590787,15.8,L43.5

N,906228,590861,21.3,L43.6
N,906206,590916,24.6,L43.7
N,906184,590972,27.2,L43.8
N,906164,591027,29.1,L43.9
N,906149,591066,30.1,L43.10
N,906127,591142,32,L43.11
N,906115,591200,33.5,L43.12
N,906099,591277,35.3,L43.13
L8 SB OUTER MAIN LANE 600+80 - 615+00,17,
N,906030,591359,36.5,L8.1
N,906016,591467,37.7,L8.2
N,906005,591565,38.1,L8.3
N,905992,591666,38.5,L8.4
N,905980,591764,39.1,L8.5
N,905968,591865,39.6,L8.6
N,905957,591953,40,L8.7
N,905943,592063,40.6,L8.8
N,905929,592161,41.1,L8.9
N,905919,592260,41.4,L8.10
N,905907,592361,41.9,L8.11
N,905893,592478,42.6,L8.12
N,905879,592578,43,L8.13
N,905868,592679,43.5,L8.14
N,905855,592776,43.9,L8.15
L18 SB INNER MAIN LANE 600+80 - 615+00,18,
N,906041,591361,36.5,L18.1
N,906027,591468,37.7,L18.2
N,906015,591567,38.1,L18.3
N,906002,591667,38.5,L18.4
N,905991,591766,39.1,L18.5
N,905979,591866,39.6,L18.6
N,905968,591954,40,L18.7
N,905954,592064,40.6,L18.8
N,905941,592163,41.1,L18.9
N,905930,592262,41.4,L18.10
N,905916,592362,41.9,L18.11
N,905902,592480,42.6,L18.12
N,905890,592579,43,L18.13
N,905879,592681,43.5,L18.14
N,905866,592778,43.9,L18.15
L58 SB HOV LANE 600+80 - 615+00,19,
N,906051,591362,36.7,L58.1
N,906037,591470,37.8,L58.2
N,906025,591568,38.2,L58.3
N,906014,591669,38.7,L58.4
N,906001,591767,39.2,L58.5
N,905988,591867,39.7,L58.6
N,905977,591956,40.2,L58.7
N,905963,592065,40.8,L58.8
N,905951,592164,41.2,L58.9
N,905939,592263,41.6,L58.10
N,905927,592363,42.1,L58.11
N,905911,592482,42.6,L58.12
N,905900,592581,43.2,L58.13
N,905887,592680,43.7,L58.14
N,905876,592779,44.2,L58.15

L57 NB HOV LANE 600+80 - 615+00,20,
N,906067,591364,36.7,L57.1
N,906054,591473,37.7,L57.2
N,906042,591571,38.2,L57.3
N,906030,591671,38.7,L57.4
N,906018,591769,39.2,L57.5
N,906005,591869,39.7,L57.6
N,905993,591959,40.2,L57.7
N,905980,592068,40.8,L57.8
N,905967,592168,41.2,L57.9
N,905955,592265,41.6,L57.10
N,905943,592365,42.1,L57.11
N,905928,592484,42.6,L57.12
N,905916,592583,43.2,L57.13
N,905904,592682,43.7,L57.14
N,905892,592782,44.1,L57.15
L17 NB INNER MAIN LANE 600+80 - 615+00,21,
N,906077,591366,36.4,L17.1
N,906065,591474,37.6,L17.2
N,906051,591571,38.1,L17.3
N,906040,591672,38.6,L17.4
N,906027,591770,39.1,L17.5
N,906015,591870,39.6,L17.6
N,906003,591961,40,L17.7
N,905989,592070,40.6,L17.8
N,905978,592169,41.1,L17.9
N,905965,592267,41.5,L17.10
N,905953,592367,42,L17.11
N,905939,592486,42.5,L17.12
N,905928,592585,43,L17.13
N,905914,592685,43.5,L17.14
N,905903,592783,44,L17.15
L7 NB OUTER MAIN LANE 600+80 - 615+00,22,
N,906025,591871,39.6,L7.6
N,906014,591962,40,L7.7
N,905998,592072,40.6,L7.8
N,905987,592170,41.1,L7.9
N,905974,592269,41.5,L7.10
N,905962,592369,42,L7.11
N,905949,592487,42.5,L7.12
N,905937,592586,43,L7.13
N,905925,592685,43.5,L7.14
N,905913,592785,44,L7.15
L44 LOMAS SANTA FE DR ON-RAMP TO SB,23,
N,905957,591953,40,L44.1
N,905936,592061,40.6,L44.2
N,905930,592102,40,L44.3
N,905917,592180,39,L44.4
N,905906,592239,40.7,L44.5
N,905897,592278,40.2,L44.6
N,905885,592315,38.3,L44.7
N,905867,592351,36.2,L44.8
N,905840,592405,35.4,L44.9
L46 SB OFF-RAMP TO LOMAS SANTA FE DR,24,
N,905818,592443,35.8,L46.1
N,905826,592482,36.4,L46.2

N,905838,592540,38.7,L46.3
N,905850,592600,41.1,L46.4
N,905857,592658,42.6,L46.5
N,905854,592738,43.3,L46.6
N,905850,592794,44,L46.7
N,905842,592876,44.4,L46.8
L47 LOMAS SANTA FE DR ON-RAMP TO NB,25,
N,906019,592426,36.2,L47.1
N,905999,592460,36.8,L47.2
N,905981,592494,39.3,L47.3
N,905964,592531,41.2,L47.4
N,905954,592569,41,L47.5
N,905942,592629,42.6,L47.6
N,905930,592707,43.1,L47.7
N,905918,592786,44,L47.8
N,905900,592883,49.5,L47.9
B80 CENTER DIVIDER 586+00 - 595+00,1,2,0,0
906452,589948,8.3,9.3,B80.1
906423,590044,8,9,B80.2
906395,590140,7.8,8.8,B80.3
906365,590234,7.6,8.6,B80.4
906334,590330,8.5,9.5,B80.5
906306,590425,11.2,12.2,B80.6
906277,590521,14,15,B80.7
906247,590617,17.1,18.1,B80.8
906219,590714,20.2,21.2,B80.9
906189,590809,23.3,24.3,B80.10
B51 CENTER DIVIDER 595+00 - 603+90,2,2,0,0
906189,590809,23.3,24.3,B51.1
906160,590904,26.3,27.3,B51.2
906131,591000,29.3,30.3,B51.3
906102,591096,31.9,32.9,B51.4
906081,591192,33.9,34.9,B51.5
906071,591268,35.4,36.4,B51.6
906059,591363,36.7,37.7,B51.7
906045,591471,37.8,38.8,B51.8
906033,591570,38.2,39.2,B51.9
906020,591670,38.7,39.7,B51.10
B60 EAST SIDE 2-STORY BUILDING NEAR R12,3,2,0,0
906237,590924,33.2,40.8,B60.1
906247,590929,31.7,39.3,B60.2
906254,590931,32.3,39.9,B60.3
906264,590934,32.1,39.7,B60.4
B100 EAST SIDE NEAR VIA DE NORTE NB ON-RAMP,4,2,0,0
906260,590810,26,26,B100.1
906239,590863,30,30,B100.2
906212,590928,34,34,B100.3
906191,590989,36,36,B100.4
906175,591043,40,40,B100.5
906159,591106,44,44,B100.6
906146,591169,48,48,B100.7
B100 EAST SIDE NEAR VIA DE NORTE NB ON-RAMP,5,2,0,0
906146,591169,48,48,B100.7
906138,591221,52,52,B100.8
906144,591243,54.5,54.5,B100.9
906138,591257,54.5,54.5,B6.8

906125,591296,52.1,52.1,B6.9
906121,591322,49.5,49.5,B6.10
B7 EAST SIDE NEAR R17_R18,6,2,0,0
906121,591322,49.5,49.5,B7.1
906111,591351,47,47,B7.2
906115,591396,51.1,51.1,B7.3
906115,591416,51,51,B7.4
906107,591436,48,48,B7.5
906114,591463,45,45,B7.6
906100,591483,42.3,42.3,B7.7
906092,591520,40.5,40.5,B7.7A
906083,591556,37.4,37.4,B7.8
906088,591577,36,36,B7.9
B12 EAST SIDE 3-STORY BUILDING BETWEEN R21_R22,7,2,0,0
906055,591733,38,49,B12.1
906067,591731,39,50,B12.2
906069,591751,41.5,52.5,B12.3
906096,591748,41.5,52.5,B12.4
906099,591765,43.5,54.5,B12.5
906068,591809,45,56,B12.6
906069,591824,45,56,B12.7
906056,591827,39,50,B12.8
B8 EAST SIDE ALONG NB NEAR L7,8,2,0,0
906097,591367,44,44,B8.1
906084,591478,41.2,41.2,B8.2
906074,591475,37.6,37.6,B8.2A
906062,591573,38.1,38.1,B8.3
906051,591674,38.6,38.6,B8.4
906037,591772,39.1,39.1,B8.5
906047,591775,39.1,39.1,B8.6
906035,591873,45,45,B8.7
906023,591963,47,47,B8.8
906015,592026,48,48,B8.9
B13 NAT BAR NEAR R22_R23,9,2,0,0
906045,591941,48.5,48.5,B13.1
906059,591960,56,56,B13.2
B14 EAST SIDE 13FT WALL NEAR R24_R25,10,2,0,0
906062,591984,58.5,62.4,B14.1
906055,592003,56.7,60.6,B14.2
906054,592035,58.1,62,B14.3
906050,592095,63,66.9,B14.4
906077,592097,62,65.9,B14.5
B52 CENTER DIVIDER 603+90 - 612+00,11,2,0,0
906020,591670,38.7,39.7,B52.1
906009,591768,39.2,40.2,B52.2
905997,591867,39.7,40.7,B52.3
905986,591957,40.2,41.2,B52.4
905972,592067,40.8,41.8,B52.5
905959,592166,41.2,42.2,B52.6
905947,592265,41.6,42.6,B52.7
905935,592364,42.1,43.1,B52.8
905921,592483,42.6,43.6,B52.9
B20 SCHOOL BUILDING NEAR R6.22A,12,2,0,0
906139,591857,52.9,57.9,B20.1
906120,591892,53,58,B20.2
906115,591887,53,53,B20.2

906110,591900,53,53,B21.1
906110,591900,53,58,B21.1
906097,591914,53,58,B21.2
906097,591914,53,53,B21.2
906086,591910,53,53,B22.1
906086,591910,53,58,B22.1
906090,591944,53.2,58.2,B22.2
R,1,67,4
906239,590912,34.6,R6.12A
R,2,67,4
906238,590965,34.7,R6.12
R,3,67,4
906230,591037,40.4,R6.12B
R,4,67,4
906189,591062,42.2,R6.13
R,5,67,4
906230,591084,44.3,R6.13A
R,6,67,4
906169,591146,47.8,R6.14
R,7,67,4
906230,591170,47.6,R6.14A
R,8,67,4
906167,591270,60.9,R6.15
R,9,67,4
906152,591304,57.2,R6.16
R,10,67,4
906121,591342,49.7,R6.16A
R,11,67,4
906138,591346,52,R6.17A
R,12,67,4
906123,591411,52.7,R6.17
R,13,67,4
906135,591440,50.8,R6.18
R,14,67,4
906127,591559,41.7,R6.19
R,15,67,4
906085,591607,36.1,R6.20
R,16,67,4
906136,591657,40.7,R6.21
R,17,67,4
906074,591906,54.5,R6.22
R,18,67,4
906131,591900,54.4,R6.22A
R,19,67,4
906058,591981,59.5,R6.23
R,20,67,4
906070,591992,60.5,R6.24
R,21,67,4
906064,592077,64.1,R6.25
D,4.5
ALL,1
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SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
06 VIA DE LA VALLE TO LOMAS SANTA FE,EAST - NO BUILD,0,FT

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	-	3.*							B80.1	329.1	
2	-	3.*							B80.2	328.1	
3	-	3.*							B80.3	323.7	
4	-	3.*							B80.4	331.0	
5	-	3.*							B80.5	325.1	
6	-	3.*							B80.6	329.2	
7	-	3.*							B80.7	330.1	
8	-	3.*							B80.8	331.5	
9	-	3.*							B80.9	326.9	
10	-	3.*							B51.1	326.0	
11	-	3.*							B51.2	329.2	
12	-	3.*							B51.3	329.1	
13	-	3.*							B51.4	322.5	
14	-	3.*							B51.5	251.5	
15	-	3.*							B51.6	314.2	
16	-	3.*							B51.7	357.4	
17	-	3.*							B51.8	327.2	
18	-	3.*							B51.9	330.8	
19	-	25.*							B60.1	37.0	
20	-	25.*							B60.2	24.0	
21	-	25.*							B60.3	34.2	
22	-	0.*							B100.1	187.5	
23	-	0.*							B100.2	231.3	
24	-	0.*							B100.3	211.7	
25	-	0.*							B100.4	185.3	
26	-	0.*							B100.5	213.6	
27	-	0.*							B100.6	211.5	
28	-	0.*							B100.7	173.1	
29	-	0.*							B100.8	75.3	
30	-	0.*							B100.9	50.0	
31	-	0.*							B6.8	135.1	
32	-	0.*							B6.9	86.7	
33	-	0.*							B7.1	101.0	
34	-	0.*							B7.2	148.8	
35	-	0.*							B7.3	65.6	
36	-	0.*							B7.4	71.3	
37	-	0.*							B7.5	92.1	
38	-	0.*							B7.6	80.6	

39	-	0.*	B7.7	124.3
40	-	0.*	B7.7A	122.2
41	-	0.*	B7.8	71.0
42	-	36.*	B12.1	40.1
43	-	36.*	B12.2	66.4
44	-	36.*	B12.3	89.2
45	-	36.*	B12.4	57.0
46	-	36.*	B12.5	176.7
47	-	36.*	B12.6	49.3
48	-	36.*	B12.7	47.9
49	-	0.*	B8.1	366.8
50	-	0.*	B8.2	36.2
51	-	0.*	B8.2A	323.9
52	-	0.*	B8.3	333.4
53	-	0.*	B8.4	324.8
54	-	0.*	B8.5	34.2
55	-	0.*	B8.6	324.6
56	-	0.*	B8.7	297.9
57	-	0.*	B8.8	208.4
58	-	0.*	B13.1	81.3
59	-	13.*	B14.1	66.8
60	-	13.*	B14.2	105.1
61	-	13.*	B14.3	198.0
62	-	13.*	B14.4	88.9
63	-	3.*	B52.1	323.6
64	-	3.*	B52.2	327.2
65	-	3.*	B52.3	297.4
66	-	3.*	B52.4	363.8
67	-	3.*	B52.5	327.6
68	-	3.*	B52.6	327.2
69	-	3.*	B52.7	327.2
70	-	3.*	B52.8	393.2
71	-	16.*	B20.1	130.7
72	-	8.*	B20.2	28.4
73	-	0.*	B20.2	45.6
74	-	8.*	B21.1	16.4
75	-	16.*	B21.1	62.7
76	-	8.*	B21.2	16.4
77	-	0.*	B21.2	38.4
78	-	8.*	B22.1	16.4
79	-	16.*	B22.1	112.4

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0 1 2 3 4 5 6 7

1

REC	REC ID	DNL	PEOPLE	LEQ(CAL)
1	R6.12A	67.	500.	73.1
2	R6.12	67.	500.	67.7
3	R6.12B	67.	500.	67.8
4	R6.13	67.	500.	71.2

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 5  R6.13A    67.    500.   66.6
 6  R6.14     67.    500.   70.1
 7  R6.14A    67.    500.   63.6
 8  R6.15     67.    500.   70.5
 9  R6.16     67.    500.   70.8
10  R6.16A    67.    500.   74.7
11  R6.17A    67.    500.   71.2
12  R6.17     67.    500.   73.3
13  R6.18     67.    500.   70.7
14  R6.19     67.    500.   72.3
15  R6.20     67.    500.   74.8
16  R6.21     67.    500.   70.4
17  R6.22     67.    500.   73.1
18  R6.22A    67.    500.   64.5
19  R6.23     67.    500.   77.7
20  R6.24     67.    500.   68.2
21  R6.25     67.    500.   64.5
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.25.25.25. 0. 0. 0. 0.
 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.36.36.36.36.36.36.36. 0. 0.
 0. 0. 0. 0. 0. 0. 0. 0.13.13.13.13. 3. 3. 3. 3. 3. 3. 3. 3.16. 8. 0. 8.16.
 8. 0. 8.16.
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06 Via De la Valle to Lomas Santa Fe EAST,Build,Bld,Ft
T-L4 SB OUTER MAIN LANE 582+60 - 587+00,1
4764,65,168,65,468,65
T-L14 SB INNER MAIN LANE 582+60 - 587+00,2
5412,65,168,65,0,65
T-L54 SB HOV LANE 582+60 - 587+00,3
3000,65,0,65,0,65
T-L53 NB HOV LANE 582+60 - 587+00,4
3000,65,0,65,0,65
T-L13 NB INNER MAIN LANE 582+60 - 587+00,5
5412,65,168,65,0,65
T-L3 NB OUTER MAIN LANE 582+60 - 587+00,6
4764,65,168,65,468,65
T-L41 NB OFF-RAMP TO VIA DEL VALLE,7
1900,45,48,45,52,45
T-L40 VIA DEL VALLE SB ON-RAMP,8
950,45,24,45,26,45
T-L6 SB OUTER MAIN LANE 587+00 - 600+80,9
4764,65,168,65,468,65
T-L16 SB INNER MAIN LANE 587+00 - 600+80,10
5412,65,168,65,0,65
T-L56 SB HOV LANE 587+00 - 600+80,11
3000,65,0,65,0,65
T-L55 NB HOV LANE 587+00 - 600+80,12
3000,65,0,65,0,65
T-L15 NB INNER MAIN LANE 587+00 - 600+80,13
5412,65,168,65,0,65
T-L5 NB OUTER MAIN LANE 587+00 - 600+80,14
4764,65,168,65,468,65
T-L42 SB OFF-RAMP TO VIA DEL VALLE,15
1900,45,48,45,52,45
T-L43 VIA DEL VALLE ON-RAMP TO NB,16
950,45,24,45,26,45
T-L8 SB OUTER MAIN LANE 600+80 - 615+00,17
4764,65,168,65,468,65
T-L18 SB INNER MAIN LANE 600+80 - 615+00,18
5412,65,168,65,0,65
T-L58 SB HOV LANE 600+80 - 615+00,19
3000,65,0,65,0,65
T-L57 NB HOV LANE 600+80 - 615+00,20
3000,65,0,65,0,65
T-L17 NB INNER MAIN LANE 600+80 - 615+00,21
5412,65,168,65,0,65
T-L7 NB OUTER MAIN LANE 600+80 - 615+00,22
4764,65,168,65,468,65
T-L44 LOMAS SANTA FE DR ON-RAMP TO SB,23
950,45,24,45,26,45
T-L46 SB OFF-RAMP TO LOMAS SANTA FE DR,24
950,45,24,45,26,45
T-L47 LOMAS SANTA FE DR ON-RAMP TO NB,25
950,45,24,45,26,45
T-L45 SB Lomas on-ramp (loop),26
950,45,24,45,26,45
L4 SB OUTER MAIN LANE 582+60 - 587+00,1
N,906524,589615,9.4,L4.11,
N,906496,589709,8.7,L4.12,

N,906454,589843,8.4,L4.13,
N,906424,589939,8.2,L4.14,
N,906395,590034,7.9,L4.15,
L14 SB INNER MAIN LANE 582+60 - 587+00,2
N,906535,589618,9.4,L14.11,
N,906506,589713,8.7,L14.12,
N,906465,589847,8.4,L14.13,
N,906435,589943,8.2,L14.14,
N,906406,590038,7.9,L14.15
L54 SB HOV LANE 582+60 - 587+00,3,
N,906545,589622,9.6,L54.11
N,906515,589716,8.9,L54.12
N,906475,589850,8.5,L54.13
N,906445,589945,8.3,L54.14
N,906416,590041,8,L54.15
L53 SB HOV LANE 582+60 - 587+00,4,
N,906560,589627,9.6,L53.11
N,906532,589721,8.9,L53.12
N,906490,589855,8.5,L53.13
N,906461,589950,8.3,L53.14
N,906431,590047,8,L53.15
L13 NB INNER MAIN LANE 582+60 - 587+00,5,
N,906570,589630,9.4,L13.11
N,906541,589724,8.7,L13.12
N,906500,589858,8.3,L13.13
N,906471,589954,8.1,L13.14
N,906441,590049,7.8,L13.15
L3 NB OUTER MAIN LANE 582+60 - 587+00,6,
N,906579,589634,9.4,L3.11
N,906551,589727,8.7,L3.12
N,906510,589861,8.3,L3.13
N,906480,589957,8.1,L3.14
N,906450,590053,7.8,L3.15
L41 NB OFF-RAMP TO VIA DEL VALLE,7,
N,906422,590148,7.7,L41.1
N,906409,590206,7.5,L41.2
N,906392,590285,7.5,L41.3
N,906379,590343,7.6,L41.4
N,906375,590393,7.8,L41.5
N,906377,590442,8,L41.6
N,906398,590539,8.3,L41.7
N,906404,590582,8.5,L41.8
N,906404,590621,8.6,L41.9
N,906394,590668,10.8,L41.10
L40 VIA DEL VALLE SB ON-RAMP,8,
N,906395,590034,7.9,L40.1
N,906361,590131,7.5,L40.2
N,906330,590224,7,L40.3
N,906295,590318,7.8,L40.4
N,906258,590410,10.3,L40.5
N,906235,590467,11.8,L40.6
N,906217,590501,12.2,L40.7
N,906192,590531,12.3,L40.8
N,906131,590583,11.6,L40.9
N,906108,590615,11.5,L40.10
L6 SB OUTER MAIN LANE 587+00 - 600+80,9,

N,906395,590034,7.9,L6.1
N,906367,590130,7.5,L6.2
N,906337,590225,7.4,L6.3
N,906308,590321,8.3,L6.4
N,906278,590416,11,L6.5
N,906248,590513,13.8,L6.6
N,906221,590610,17,L6.7
N,906192,590705,20.1,L6.8
N,906163,590800,23.2,L6.9
N,906133,590895,26.1,L6.10
N,906104,590992,29.2,L6.11
N,906076,591088,32.4,L6.12
N,906052,591188,34.4,L6.13
N,906043,591260,35.5,L6.14
N,906030,591359,36.5,L6.15
L16 SB INNER MAIN LANE 587+00 - 600+80,10,
N,906406,590038,7.9,L16.1
N,906376,590134,7.6,L16.2
N,906348,590229,7.4,L16.3
N,906317,590325,8.3,L16.4
N,906289,590420,11,L16.5
N,906259,590516,13.8,L16.6
N,906230,590613,17,L16.7
N,906200,590707,20.1,L16.8
N,906171,590803,23.2,L16.9
N,906141,590898,26.1,L16.10
N,906112,590995,29.2,L16.11
N,906084,591090,32.4,L16.12
N,906063,591190,34.4,L16.13
N,906053,591261,35.5,L16.14
N,906041,591361,36.5,L16.15
L56 SB HOV LANE 587+00 - 600+80,11,
N,906416,590041,8,L56.1
N,906386,590136,7.8,L56.2
N,906356,590231,7.6,L56.3
N,906327,590328,8.5,L56.4
N,906298,590423,11.2,L56.5
N,906269,590519,14,L56.6
N,906239,590615,17.1,L56.7
N,906210,590710,20.2,L56.8
N,906180,590806,23.3,L56.9
N,906151,590902,26.3,L56.10
N,906122,590997,29.3,L56.11
N,906094,591093,32.1,L56.12
N,906073,591192,34.2,L56.13
N,906063,591262,35.4,L56.14
N,906051,591362,36.7,L56.15
L55 NB HOV LANE 587+00 - 600+80,12,
N,906431,590047,8,L55.1
N,906402,590142,7.8,L55.2
N,906371,590237,7.6,L55.3
N,906343,590332,8.5,L55.4
N,906313,590429,11.2,L55.5
N,906285,590523,14,L55.6
N,906254,590620,17.1,L55.7
N,906225,590715,20.2,L55.8

N,906197,590811,23.3,L55.9
N,906168,590907,26.2,L55.10
N,906138,591002,29.3,L55.11
N,906110,591098,31.9,L55.12
N,906089,591195,34,L55.13
N,906078,591275,35.5,L55.14
N,906067,591364,36.7,L55.15
L15 NB INNER MAIN LANE 587+00 - 600+80,13,
N,906441,590049,7.8,L15.1
N,906412,590145,7.7,L15.2
N,906382,590240,7.4,L15.3
N,906352,590336,8.3,L15.4
N,906323,590431,11,L15.5
N,906293,590527,13.9,L15.6
N,906264,590623,17,L15.7
N,906235,590718,20.1,L15.8
N,906206,590814,23.2,L15.9
N,906177,590909,26.1,L15.10
N,906148,591006,29.2,L15.11
N,906120,591100,31.6,L15.12
N,906098,591197,33.7,L15.13
N,906088,591276,35.3,L15.14
N,906077,591366,36.4,L15.15
L5 NB OUTER MAIN LANE 587+00 - 600+80,14,
N,906450,590053,7.8,L5.1
N,906422,590148,7.7,L5.2
N,906390,590242,7.4,L5.3
N,906360,590338,8.3,L5.4
N,906331,590434,11,L5.5
N,906302,590530,13.9,L5.6
N,906272,590626,17,L5.7
N,906243,590721,20.1,L5.8
N,906217,590817,23.2,L5.9
N,906188,590913,26.1,L5.10
N,906158,591009,29.2,L5.11
N,906130,591104,31.6,L5.12
N,906110,591199,33.7,L5.13
N,906099,591277,35.3,L5.14
N,906088,591367,36.4,L5.15
L42 SB OFF-RAMP TO VIA DEL VALLE,15,
N,906104,590634,11.5,L42.1
N,906091,590691,11,L42.2
N,906086,590732,11.9,L42.3
N,906094,590792,15.7,L42.4
N,906101,590846,19.3,L42.5
N,906105,590891,22.1,L42.6
N,906103,590930,24.7,L42.7
N,906084,591020,29.3,L42.8
N,906071,591085,30.9,L42.9
N,906052,591188,34.4,L42.10
L43 VIA DEL VALLE ON-RAMP TO NB,16,
N,906362,590693,10.5,L43.1
N,906350,590709,10.2,L43.2
N,906334,590722,10.2,L43.3
N,906274,590771,14.4,L43.4
N,906250,590804,17.1,L43.5

N,906222,590877,22.5,L43.6
N,906185,590971,27.1,L43.7
N,906156,591045,29.6,L43.8
N,906138,591104,30,L43.9
N,906114,591197,33.5,L43.10
N,906099,591277,35.3,L43.11
L8 SB OUTER MAIN LANE 600+80 - 615+00,17,
N,906030,591359,36.5,L8.1
N,906016,591467,37.7,L8.2
N,906005,591565,38.1,L8.3
N,905992,591666,38.5,L8.4
N,905980,591764,39.1,L8.5
N,905968,591865,39.6,L8.6
N,905957,591953,40,L8.7
N,905943,592063,40.6,L8.8
N,905929,592161,41.1,L8.9
N,905919,592260,41.4,L8.10
N,905907,592361,41.9,L8.11
N,905893,592478,42.6,L8.12
N,905879,592578,43,L8.13
N,905868,592679,43.5,L8.14
N,905855,592776,43.9,L8.15
L18 SB INNER MAIN LANE 600+80 - 615+00,18,
N,906041,591361,36.5,L18.1
N,906027,591468,37.7,L18.2
N,906015,591567,38.1,L18.3
N,906002,591667,38.5,L18.4
N,905991,591766,39.1,L18.5
N,905979,591866,39.6,L18.6
N,905968,591954,40,L18.7
N,905954,592064,40.6,L18.8
N,905941,592163,41.1,L18.9
N,905930,592262,41.4,L18.10
N,905916,592362,41.9,L18.11
N,905902,592480,42.6,L18.12
N,905890,592579,43,L18.13
N,905879,592681,43.5,L18.14
N,905866,592778,43.9,L18.15
L58 SB HOV LANE 600+80 - 615+00,19,
N,906051,591362,36.7,L58.1
N,906037,591470,37.8,L58.2
N,906025,591568,38.2,L58.3
N,906014,591669,38.7,L58.4
N,906001,591767,39.2,L58.5
N,905988,591867,39.7,L58.6
N,905977,591956,40.2,L58.7
N,905963,592065,40.8,L58.8
N,905951,592164,41.2,L58.9
N,905939,592263,41.6,L58.10
N,905927,592363,42.1,L58.11
N,905911,592482,42.6,L58.12
N,905900,592581,43.2,L58.13
N,905887,592680,43.7,L58.14
N,905876,592779,44.2,L58.15
L57 NB HOV LANE 600+80 - 615+00,20,
N,906067,591364,36.7,L57.1

N,906054,591473,37.7,L57.2
N,906042,591571,38.2,L57.3
N,906030,591671,38.7,L57.4
N,906018,591769,39.2,L57.5
N,906005,591869,39.7,L57.6
N,905993,591959,40.2,L57.7
N,905980,592068,40.8,L57.8
N,905967,592168,41.2,L57.9
N,905955,592265,41.6,L57.10
N,905943,592365,42.1,L57.11
N,905928,592484,42.6,L57.12
N,905916,592583,43.2,L57.13
N,905904,592682,43.7,L57.14
N,905892,592782,44.1,L57.15
L17 NB INNER MAIN LANE 600+80 - 615+00,21,
N,906077,591366,36.4,L17.1
N,906065,591474,37.6,L17.2
N,906051,591571,38.1,L17.3
N,906040,591672,38.6,L17.4
N,906027,591770,39.1,L17.5
N,906015,591870,39.6,L17.6
N,906003,591961,40,L17.7
N,905989,592070,40.6,L17.8
N,905978,592169,41.1,L17.9
N,905965,592267,41.5,L17.10
N,905953,592367,42,L17.11
N,905939,592486,42.5,L17.12
N,905928,592585,43,L17.13
N,905914,592685,43.5,L17.14
N,905903,592783,44,L17.15
L7 NB OUTER MAIN LANE 600+80 - 615+00,22,
N,906088,591367,36.4,L7.1
N,906074,591475,37.6,L7.2
N,906062,591573,38.1,L7.3
N,906051,591674,38.6,L7.4
N,906037,591772,39.1,L7.5
N,906025,591871,39.6,L7.6
N,906014,591962,40,L7.7
N,905998,592072,40.6,L7.8
N,905987,592170,41.1,L7.9
N,905974,592269,41.5,L7.10
N,905962,592369,42,L7.11
N,905949,592487,42.5,L7.12
N,905937,592586,43,L7.13
N,905925,592685,43.5,L7.14
N,905913,592785,44,L7.15
L44 LOMAS SANTA FE DR ON-RAMP TO SB,23,
N,905957,591953,40,L44.1
N,905936,592061,40.6,L44.2
N,905930,592102,40,L44.3
N,905917,592180,39,L44.4
N,905906,592239,40.7,L44.5
N,905897,592278,40.2,L44.6
N,905885,592315,38.3,L44.7
N,905867,592351,36.2,L44.8
N,905840,592405,35.4,L44.9

L46 SB OFF-RAMP TO LOMAS SANTA FE DR,24,
N,905822,592442,35.8,L46.1
N,905844,592558,39.5,L46.2
N,905858,592638,42.2,L46.3
N,905856,592698,43,L46.4
N,905851,592775,43.9,L46.5
N,905842,592876,44.4,L46.6
L47 LOMAS SANTA FE DR ON-RAMP TO NB,25,
N,906019,592426,36.2,L47.1
N,905999,592460,36.8,L47.2
N,905981,592494,39.3,L47.3
N,905964,592531,41.2,L47.4
N,905954,592569,41,L47.5
N,905942,592629,42.6,L47.6
N,905930,592707,43.1,L47.7
N,905918,592786,44,L47.8
N,905900,592883,49.5,L47.9,
L45 SB Lomas on-ramp (loop),26
N,905919,592260,41.4,L45.1,
N,905908,592302,41.5,L45.2,
N,905898,592378,41.6,L45.3,
N,905886,592456,42.1,L45.4,
N,905875,592495,41.4,L45.5,
N,905857,592509,39.4,L45.6,
N,905844,592483,36.5,L45.7,
N,905832,592443,35.8,L45.8,
B80 CENTER DIVIDER 586+00 - 595+00,1,2,0,0,
906452,589948,8.3,9.3,B80.1,
906423,590044,8,9,B80.2,
906395,590140,7.8,8.8,B80.3,
906365,590234,7.6,8.6,B80.4,
906334,590330,8.5,9.5,B80.5,
906306,590425,11.2,12.2,B80.6,
906277,590521,14,15,B80.7,
906247,590617,17.1,18.1,B80.8,
906219,590714,20.2,21.2,B80.9,
906189,590809,23.3,24.3,B80.10,
B51 CENTER DIVIDER 595+00 - 603+90,2,2,0,0,
906189,590809,23.3,24.3,B51.1,
906160,590904,26.3,27.3,B51.2,
906131,591000,29.3,30.3,B51.3,
906102,591096,31.9,32.9,B51.4,
906081,591192,33.9,34.9,B51.5,
906071,591268,35.4,36.4,B51.6,
906059,591363,36.7,37.7,B51.7,
906045,591471,37.8,38.8,B51.8,
906033,591570,38.2,39.2,B51.9,
906020,591670,38.7,39.7,B51.10,
B60 EAST SIDE 2-STORY BUILDING NEAR R12,3,2,0,0,
906237,590924,33.2,40.8,B60.1,
906247,590929,31.7,39.3,B60.2,
906254,590931,32.3,39.9,B60.3,
906264,590934,32.1,39.7,B60.4,
B100 EAST SIDE NEAR VIA DE NORTE NB ON-RAMP,4,2,0,0,
906260,590810,26,26,B100.1,
906239,590863,30,30,B100.2,

906212,590928,34,34,B100.3,
906191,590989,36,36,B100.4,
906175,591043,40,40,B100.5,
906159,591106,44,44,B100.6,
906146,591169,48,48,B100.7,
B100 EAST SIDE NEAR VIA DE NORTE NB ON-RAMP,5,2,0,0,
906146,591169,48,48,B100.7,
906138,591221,52,52,B100.8,
906144,591243,54.5,54.5,B100.9,
906138,591257,54.5,54.5,B6.8,
906125,591296,52.1,52.1,B6.9,
906121,591322,49.5,49.5,B6.10,
B7 EAST SIDE NEAR R17_R18,6,2,0,0,
906121,591322,49.5,49.5,B7.1,
906111,591351,47,47,B7.2,
906115,591396,51.1,51.1,B7.3,
906115,591416,51,51,B7.4,
906107,591436,48,48,B7.5,
906114,591463,45,45,B7.6,
906100,591483,42.3,42.3,B7.7,
906092,591520,40.5,40.5,B7.7A,
906083,591556,37.4,37.4,B7.8,
906088,591577,36,36,B7.9,
B12 EAST SIDE 3-STORY BUILDING BETWEEN R21_R22,7,2,0,0,
906055,591733,38,49,B12.1,
906067,591731,39,50,B12.2,
906069,591751,41.5,52.5,B12.3,
906096,591748,41.5,52.5,B12.4,
906099,591765,43.5,54.5,B12.5,
906068,591809,45,56,B12.6,
906069,591824,45,56,B12.7,
906056,591827,39,50,B12.8,
B8 EAST SIDE ALONG NB NEAR L7,8,2,0,0,
906088,591577,36,36,B8.1,
906075,591604,34.5,34.5,B8.2,
906068,591616,38.1,38.1,B8.3,
906068,591616,38.1,39,B8.3,
906059,591675,38.6,39.5,B8.4,
906052,591733,38,38.9,B8.5,
B8 EAST SIDE ALONG NB NEAR L7,9,2,0,0,
906052,591733,38,38,B8.5,
906047,591775,39.1,39.1,B8.6,
906035,591873,45,45,B8.7,
906023,591963,47,47,B8.8,
906015,592026,48,48,B8.9,
B13 NAT BAR NEAR R22_R23,10,2,0,0,
906045,591941,48.5,48.5,B13.1,
906059,591960,56,56,B13.2,
B14 EAST SIDE 13FT WALL NEAR R24_R25,11,2,0,0,
906062,591984,58.5,62.4,B14.1,
906055,592003,56.7,60.6,B14.2,
906054,592035,58.1,62,B14.3,
906050,592095,63,66.9,B14.4,
906077,592097,62,65.9,B14.5,
B52 CENTER DIVIDER 603+90 - 612+00,12,2,0,0,
906020,591670,38.7,39.7,B52.1,

906009,591768,39.2,40.2,B52.2,
905997,591867,39.7,40.7,B52.3,
905986,591957,40.2,41.2,B52.4,
905972,592067,40.8,41.8,B52.5,
905959,592166,41.2,42.2,B52.6,
905947,592265,41.6,42.6,B52.7,
905935,592364,42.1,43.1,B52.8,
905921,592483,42.6,43.6,B52.9,
B20 SCHOOL BUILDING NEAR R6.22A,13,2,0,0,
906139,591857,52.9,56.9,B20.1,
906115,591887,53,57,B20.2,
906115,591887,53,53,B20.2,
906110,591900,53,53,B21.1,
906110,591900,53,57,B21.1,
906097,591914,53,57,B21.2,
906097,591914,53,53,B21.2,
906086,591910,53,53,B22.1,
906086,591910,53,57,B22.1,
906090,591944,53.2,57.2,B22.2,
B108 near Via De Val. Sta. 602+80-603+20,14,2,0,0,
906071,591574,38,38.9,B108.1,
906068,591616,38.1,39,B108.2,
R,1,67,4
906239,590912,34.6,R6.12A
R,2,67,4
906238,590965,34.7,R6.12
R,3,67,4
906230,591037,40.4,R6.12B
R,4,67,4
906189,591062,42.2,R6.13
R,5,67,4
906230,591084,44.3,R6.13A
R,6,67,4
906169,591146,47.8,R6.14
R,7,67,4
906230,591170,47.6,R6.14A
R,8,67,4
906167,591270,60.9,R6.15
R,9,67,4
906152,591304,57.2,R6.16
R,10,67,4
906121,591342,49.7,R6.16A
R,11,67,4
906138,591346,52,R6.17A
R,12,67,4
906123,591411,52.7,R6.17
R,13,67,4
906135,591440,50.8,R6.18
R,14,67,4
906127,591559,41.7,R6.19
R,15,67,4
906085,591607,36.1,R6.20
R,16,67,4
906136,591657,40.7,R6.21
R,17,67,4
906074,591906,54.5,R6.22

R,18,67,4
906131,591900,54.4,R6.22A
R,19,67,4
906058,591981,59.5,R6.23
R,20,67,4
906070,591992,60.5,R6.24
R,21,67,4
906064,592077,64.1,R6.25
D,4.5
ALL,1
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SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
06 VIA DE LA VALLE TO LOMAS SANTA FE EAST,BUILD,BLD,FT

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	3.*							B80.1	329.1	
2	-	3.*							B80.2	328.1	
3	-	3.*							B80.3	323.7	
4	-	3.*							B80.4	331.0	
5	-	3.*							B80.5	325.1	
6	-	3.*							B80.6	329.2	
7	-	3.*							B80.7	330.1	
8	-	3.*							B80.8	331.5	
9	-	3.*							B80.9	326.9	
10	-	3.*							B51.1	326.0	
11	-	3.*							B51.2	329.2	
12	-	3.*							B51.3	329.1	
13	-	3.*							B51.4	322.5	
14	-	3.*							B51.5	251.5	
15	-	3.*							B51.6	314.2	
16	-	3.*							B51.7	357.4	
17	-	3.*							B51.8	327.2	
18	-	3.*							B51.9	330.8	
19	-	25.*							B60.1	37.0	
20	-	25.*							B60.2	24.0	
21	-	25.*							B60.3	34.2	
22	-	0.*							B100.1	187.5	
23	-	0.*							B100.2	231.3	
24	-	0.*							B100.3	211.7	
25	-	0.*							B100.4	185.3	
26	-	0.*							B100.5	213.6	
27	-	0.*							B100.6	211.5	
28	-	0.*							B100.7	173.1	
29	-	0.*							B100.8	75.3	
30	-	0.*							B100.9	50.0	
31	-	0.*							B6.8	135.1	
32	-	0.*							B6.9	86.7	
33	-	0.*							B7.1	101.0	
34	-	0.*							B7.2	148.8	
35	-	0.*							B7.3	65.6	
36	-	0.*							B7.4	71.3	
37	-	0.*							B7.5	92.1	
38	-	0.*							B7.6	80.6	

39	-	0.*	B7.7	124.3
40	-	0.*	B7.7A	122.2
41	-	0.*	B7.8	71.0
42	-	36.*	B12.1	40.1
43	-	36.*	B12.2	66.4
44	-	36.*	B12.3	89.2
45	-	36.*	B12.4	57.0
46	-	36.*	B12.5	176.7
47	-	36.*	B12.6	49.3
48	-	36.*	B12.7	47.9
49	-	0.*	B8.1	98.5
50	-	0.*	B8.2	47.1
51	-	2.*	B8.3	3.0
52	-	3.*	B8.3	195.7
53	-	3.*	B8.4	191.7
54	-	0.*	B8.5	138.8
55	-	0.*	B8.6	324.6
56	-	0.*	B8.7	297.9
57	-	0.*	B8.8	208.4
58	-	0.*	B13.1	81.3
59	-	13.*	B14.1	66.8
60	-	13.*	B14.2	105.1
61	-	13.*	B14.3	198.0
62	-	13.*	B14.4	88.9
63	-	3.*	B52.1	323.6
64	-	3.*	B52.2	327.2
65	-	3.*	B52.3	297.4
66	-	3.*	B52.4	363.8
67	-	3.*	B52.5	327.6
68	-	3.*	B52.6	327.2
69	-	3.*	B52.7	327.2
70	-	3.*	B52.8	393.2
71	-	13.*	B20.1	126.1
72	-	7.*	B20.2	13.1
73	-	0.*	B20.2	45.6
74	-	7.*	B21.1	13.1
75	-	13.*	B21.1	62.7
76	-	7.*	B21.2	13.1
77	-	0.*	B21.2	38.4
78	-	7.*	B22.1	13.1
79	-	13.*	B22.1	112.4
80	-	3.*	B108.1	138.2

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0 1 2 3 4 5 6 7

1

REC	REC ID	DNL	PEOPLE	LEQ(CAL)
1	R6.12A	67.	500.	74.9

 2 R6.12   67.   500.   69.4
 3 R6.12B   67.   500.   69.4
 4 R6.13   67.   500.   72.8
 5 R6.13A   67.   500.   68.3
 6 R6.14   67.   500.   71.7
 7 R6.14A   67.   500.   65.4
 8 R6.15   67.   500.   71.8
 9 R6.16   67.   500.   72.2
10 R6.16A   67.   500.   76.4
11 R6.17A   67.   500.   72.3
12 R6.17   67.   500.   74.8
13 R6.18   67.   500.   72.5
14 R6.19   67.   500.   74.5
15 R6.20   67.   500.   75.2
16 R6.21   67.   500.   72.3
17 R6.22   67.   500.   74.1
18 R6.22A   67.   500.   66.5
19 R6.23   67.   500.   78.8
20 R6.24   67.   500.   69.6
21 R6.25   67.   500.   66.2
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
 1 1 1 1 1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.25.25.25. 0. 0. 0. 0.
 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.36.36.36.36.36.36.36. 0. 0.
 2. 3. 3. 0. 0. 0. 0. 0.13.13.13.13. 3. 3. 3. 3. 3. 3. 3. 3.13. 7. 0. 7.13.
 7. 0. 7.13. 3.

06 Via De la Valle to Lomas Santa Fe,Build,DGN,Ft
T-L4 SB OUTER MAIN LANE 582+60 - 587+00,1
4764,65,168,65,468,65
T-L14 SB INNER MAIN LANE 582+60 - 587+00,2
5412,65,168,65,0,65
T-L54 SB HOV LANE 582+60 - 587+00,3
3000,65,0,65,0,65
T-L53 NB HOV LANE 582+60 - 587+00,4
3000,65,0,65,0,65
T-L13 NB INNER MAIN LANE 582+60 - 587+00,5
5412,65,168,65,0,65
T-L3 NB OUTER MAIN LANE 582+60 - 587+00,6
4764,65,168,65,468,65
T-L41 NB OFF-RAMP TO VIA DEL VALLE,7
1900,45,48,45,52,45
T-L40 VIA DEL VALLE SB ON-RAMP,8
950,45,24,45,26,45
T-L6 SB OUTER MAIN LANE 587+00 - 600+80,9
4764,65,168,65,468,65
T-L16 SB INNER MAIN LANE 587+00 - 600+80,10
5412,65,168,65,0,65
T-L56 SB HOV LANE 587+00 - 600+80,11
3000,65,0,65,0,65
T-L55 NB HOV LANE 587+00 - 600+80,12
3000,65,0,65,0,65
T-L15 NB INNER MAIN LANE 587+00 - 600+80,13
5412,65,168,65,0,65
T-L5 NB OUTER MAIN LANE 587+00 - 600+80,14
4764,65,168,65,468,65
T-L42 SB OFF-RAMP TO VIA DEL VALLE,15
1900,45,48,45,52,45
T-L43 VIA DEL VALLE ON-RAMP TO NB,16
950,45,24,45,26,45
T-L8 SB OUTER MAIN LANE 600+80 - 615+00,17
4764,65,168,65,468,65
T-L18 SB INNER MAIN LANE 600+80 - 615+00,18
5412,65,168,65,0,65
T-L58 SB HOV LANE 600+80 - 615+00,19
3000,65,0,65,0,65
T-L57 NB HOV LANE 600+80 - 615+00,20
3000,65,0,65,0,65
T-L17 NB INNER MAIN LANE 600+80 - 615+00,21
5412,65,168,65,0,65
T-L7 NB OUTER MAIN LANE 600+80 - 615+00,22
4764,65,168,65,468,65
T-L44 LOMAS SANTA FE DR ON-RAMP TO SB,23
950,45,24,45,26,45
T-L46 SB OFF-RAMP TO LOMAS SANTA FE DR,24
950,45,24,45,26,45
T-L47 LOMAS SANTA FE DR ON-RAMP TO NB,25
950,45,24,45,26,45
T-L45 SB Lomas on-ramp (loop),26
950,45,24,45,26,45
L4 SB OUTER MAIN LANE 582+60 - 587+00,1
N,906524,589615,9.4,L4.11,
N,906496,589709,8.7,L4.12,

N,906454,589843,8.4,L4.13,
N,906424,589939,8.2,L4.14,
N,906395,590034,7.9,L4.15,
L14 SB INNER MAIN LANE 582+60 - 587+00,2
N,906535,589618,9.4,L14.11,
N,906506,589713,8.7,L14.12,
N,906465,589847,8.4,L14.13,
N,906435,589943,8.2,L14.14,
N,906406,590038,7.9,L14.15
L54 SB HOV LANE 582+60 - 587+00,3,
N,906545,589622,9.6,L54.11
N,906515,589716,8.9,L54.12
N,906475,589850,8.5,L54.13
N,906445,589945,8.3,L54.14
N,906416,590041,8,L54.15
L53 SB HOV LANE 582+60 - 587+00,4,
N,906560,589627,9.6,L53.11
N,906532,589721,8.9,L53.12
N,906490,589855,8.5,L53.13
N,906461,589950,8.3,L53.14
N,906431,590047,8,L53.15
L13 NB INNER MAIN LANE 582+60 - 587+00,5,
N,906570,589630,9.4,L13.11
N,906541,589724,8.7,L13.12
N,906500,589858,8.3,L13.13
N,906471,589954,8.1,L13.14
N,906441,590049,7.8,L13.15
L3 NB OUTER MAIN LANE 582+60 - 587+00,6,
N,906579,589634,9.4,L3.11
N,906551,589727,8.7,L3.12
N,906510,589861,8.3,L3.13
N,906480,589957,8.1,L3.14
N,906450,590053,7.8,L3.15
L41 NB OFF-RAMP TO VIA DEL VALLE,7,
N,906422,590148,7.7,L41.1
N,906409,590206,7.5,L41.2
N,906392,590285,7.5,L41.3
N,906379,590343,7.6,L41.4
N,906375,590393,7.8,L41.5
N,906377,590442,8,L41.6
N,906398,590539,8.3,L41.7
N,906404,590582,8.5,L41.8
N,906404,590621,8.6,L41.9
N,906394,590668,10.8,L41.10
L40 VIA DEL VALLE SB ON-RAMP,8,
N,906395,590034,7.9,L40.1
N,906361,590131,7.5,L40.2
N,906330,590224,7,L40.3
N,906295,590318,7.8,L40.4
N,906258,590410,10.3,L40.5
N,906235,590467,11.8,L40.6
N,906217,590501,12.2,L40.7
N,906192,590531,12.3,L40.8
N,906131,590583,11.6,L40.9
N,906108,590615,11.5,L40.10
L6 SB OUTER MAIN LANE 587+00 - 600+80,9,

N,906395,590034,7.9,L6.1
N,906367,590130,7.5,L6.2
N,906337,590225,7.4,L6.3
N,906308,590321,8.3,L6.4
N,906278,590416,11,L6.5
N,906248,590513,13.8,L6.6
N,906221,590610,17,L6.7
N,906192,590705,20.1,L6.8
N,906163,590800,23.2,L6.9
N,906133,590895,26.1,L6.10
N,906104,590992,29.2,L6.11
N,906076,591088,32.4,L6.12
N,906052,591188,34.4,L6.13
N,906043,591260,35.5,L6.14
N,906030,591359,36.5,L6.15
L16 SB INNER MAIN LANE 587+00 - 600+80,10,
N,906406,590038,7.9,L16.1
N,906376,590134,7.6,L16.2
N,906348,590229,7.4,L16.3
N,906317,590325,8.3,L16.4
N,906289,590420,11,L16.5
N,906259,590516,13.8,L16.6
N,906230,590613,17,L16.7
N,906200,590707,20.1,L16.8
N,906171,590803,23.2,L16.9
N,906141,590898,26.1,L16.10
N,906112,590995,29.2,L16.11
N,906084,591090,32.4,L16.12
N,906063,591190,34.4,L16.13
N,906053,591261,35.5,L16.14
N,906041,591361,36.5,L16.15
L56 SB HOV LANE 587+00 - 600+80,11,
N,906416,590041,8,L56.1
N,906386,590136,7.8,L56.2
N,906356,590231,7.6,L56.3
N,906327,590328,8.5,L56.4
N,906298,590423,11.2,L56.5
N,906269,590519,14,L56.6
N,906239,590615,17.1,L56.7
N,906210,590710,20.2,L56.8
N,906180,590806,23.3,L56.9
N,906151,590902,26.3,L56.10
N,906122,590997,29.3,L56.11
N,906094,591093,32.1,L56.12
N,906073,591192,34.2,L56.13
N,906063,591262,35.4,L56.14
N,906051,591362,36.7,L56.15
L55 NB HOV LANE 587+00 - 600+80,12,
N,906431,590047,8,L55.1
N,906402,590142,7.8,L55.2
N,906371,590237,7.6,L55.3
N,906343,590332,8.5,L55.4
N,906313,590429,11.2,L55.5
N,906285,590523,14,L55.6
N,906254,590620,17.1,L55.7
N,906225,590715,20.2,L55.8

N,906197,590811,23.3,L55.9
N,906168,590907,26.2,L55.10
N,906138,591002,29.3,L55.11
N,906110,591098,31.9,L55.12
N,906089,591195,34,L55.13
N,906078,591275,35.5,L55.14
N,906067,591364,36.7,L55.15
L15 NB INNER MAIN LANE 587+00 - 600+80,13,
N,906441,590049,7.8,L15.1
N,906412,590145,7.7,L15.2
N,906382,590240,7.4,L15.3
N,906352,590336,8.3,L15.4
N,906323,590431,11,L15.5
N,906293,590527,13.9,L15.6
N,906264,590623,17,L15.7
N,906235,590718,20.1,L15.8
N,906206,590814,23.2,L15.9
N,906177,590909,26.1,L15.10
N,906148,591006,29.2,L15.11
N,906120,591100,31.6,L15.12
N,906098,591197,33.7,L15.13
N,906088,591276,35.3,L15.14
N,906077,591366,36.4,L15.15
L5 NB OUTER MAIN LANE 587+00 - 600+80,14,
N,906450,590053,7.8,L5.1
N,906422,590148,7.7,L5.2
N,906390,590242,7.4,L5.3
N,906360,590338,8.3,L5.4
N,906331,590434,11,L5.5
N,906302,590530,13.9,L5.6
N,906272,590626,17,L5.7
N,906243,590721,20.1,L5.8
N,906217,590817,23.2,L5.9
N,906188,590913,26.1,L5.10
N,906158,591009,29.2,L5.11
N,906130,591104,31.6,L5.12
N,906110,591199,33.7,L5.13
N,906099,591277,35.3,L5.14
N,906088,591367,36.4,L5.15
L42 SB OFF-RAMP TO VIA DEL VALLE,15,
N,906104,590634,11.5,L42.1
N,906091,590691,11,L42.2
N,906086,590732,11.9,L42.3
N,906094,590792,15.7,L42.4
N,906101,590846,19.3,L42.5
N,906105,590891,22.1,L42.6
N,906103,590930,24.7,L42.7
N,906084,591020,29.3,L42.8
N,906071,591085,30.9,L42.9
N,906052,591188,34.4,L42.10
L43 VIA DEL VALLE ON-RAMP TO NB,16,
N,906362,590693,10.5,L43.1
N,906350,590709,10.2,L43.2
N,906334,590722,10.2,L43.3
N,906274,590771,14.4,L43.4
N,906250,590804,17.1,L43.5

N,906222,590877,22.5,L43.6
N,906185,590971,27.1,L43.7
N,906156,591045,29.6,L43.8
N,906138,591104,30,L43.9
N,906114,591197,33.5,L43.10
N,906099,591277,35.3,L43.11
L8 SB OUTER MAIN LANE 600+80 - 615+00,17,
N,906030,591359,36.5,L8.1
N,906016,591467,37.7,L8.2
N,906005,591565,38.1,L8.3
N,905992,591666,38.5,L8.4
N,905980,591764,39.1,L8.5
N,905968,591865,39.6,L8.6
N,905957,591953,40,L8.7
N,905943,592063,40.6,L8.8
N,905929,592161,41.1,L8.9
N,905919,592260,41.4,L8.10
N,905907,592361,41.9,L8.11
N,905893,592478,42.6,L8.12
N,905879,592578,43,L8.13
N,905868,592679,43.5,L8.14
N,905855,592776,43.9,L8.15
L18 SB INNER MAIN LANE 600+80 - 615+00,18,
N,906041,591361,36.5,L18.1
N,906027,591468,37.7,L18.2
N,906015,591567,38.1,L18.3
N,906002,591667,38.5,L18.4
N,905991,591766,39.1,L18.5
N,905979,591866,39.6,L18.6
N,905968,591954,40,L18.7
N,905954,592064,40.6,L18.8
N,905941,592163,41.1,L18.9
N,905930,592262,41.4,L18.10
N,905916,592362,41.9,L18.11
N,905902,592480,42.6,L18.12
N,905890,592579,43,L18.13
N,905879,592681,43.5,L18.14
N,905866,592778,43.9,L18.15
L58 SB HOV LANE 600+80 - 615+00,19,
N,906051,591362,36.7,L58.1
N,906037,591470,37.8,L58.2
N,906025,591568,38.2,L58.3
N,906014,591669,38.7,L58.4
N,906001,591767,39.2,L58.5
N,905988,591867,39.7,L58.6
N,905977,591956,40.2,L58.7
N,905963,592065,40.8,L58.8
N,905951,592164,41.2,L58.9
N,905939,592263,41.6,L58.10
N,905927,592363,42.1,L58.11
N,905911,592482,42.6,L58.12
N,905900,592581,43.2,L58.13
N,905887,592680,43.7,L58.14
N,905876,592779,44.2,L58.15
L57 NB HOV LANE 600+80 - 615+00,20,
N,906067,591364,36.7,L57.1

N,906054,591473,37.7,L57.2
N,906042,591571,38.2,L57.3
N,906030,591671,38.7,L57.4
N,906018,591769,39.2,L57.5
N,906005,591869,39.7,L57.6
N,905993,591959,40.2,L57.7
N,905980,592068,40.8,L57.8
N,905967,592168,41.2,L57.9
N,905955,592265,41.6,L57.10
N,905943,592365,42.1,L57.11
N,905928,592484,42.6,L57.12
N,905916,592583,43.2,L57.13
N,905904,592682,43.7,L57.14
N,905892,592782,44.1,L57.15
L17 NB INNER MAIN LANE 600+80 - 615+00,21,
N,906077,591366,36.4,L17.1
N,906065,591474,37.6,L17.2
N,906051,591571,38.1,L17.3
N,906040,591672,38.6,L17.4
N,906027,591770,39.1,L17.5
N,906015,591870,39.6,L17.6
N,906003,591961,40,L17.7
N,905989,592070,40.6,L17.8
N,905978,592169,41.1,L17.9
N,905965,592267,41.5,L17.10
N,905953,592367,42,L17.11
N,905939,592486,42.5,L17.12
N,905928,592585,43,L17.13
N,905914,592685,43.5,L17.14
N,905903,592783,44,L17.15
L7 NB OUTER MAIN LANE 600+80 - 615+00,22,
N,906088,591367,36.4,L7.1
N,906074,591475,37.6,L7.2
N,906062,591573,38.1,L7.3
N,906051,591674,38.6,L7.4
N,906037,591772,39.1,L7.5
N,906025,591871,39.6,L7.6
N,906014,591962,40,L7.7
N,905998,592072,40.6,L7.8
N,905987,592170,41.1,L7.9
N,905974,592269,41.5,L7.10
N,905962,592369,42,L7.11
N,905949,592487,42.5,L7.12
N,905937,592586,43,L7.13
N,905925,592685,43.5,L7.14
N,905913,592785,44,L7.15
L44 LOMAS SANTA FE DR ON-RAMP TO SB,23,
N,905957,591953,40,L44.1
N,905936,592061,40.6,L44.2
N,905930,592102,40,L44.3
N,905917,592180,39,L44.4
N,905906,592239,40.7,L44.5
N,905897,592278,40.2,L44.6
N,905885,592315,38.3,L44.7
N,905867,592351,36.2,L44.8
N,905840,592405,35.4,L44.9

L46 SB OFF-RAMP TO LOMAS SANTA FE DR,24,
N,905822,592442,35.8,L46.1
N,905844,592558,39.5,L46.2
N,905858,592638,42.2,L46.3
N,905856,592698,43,L46.4
N,905851,592775,43.9,L46.5
N,905842,592876,44.4,L46.6
L47 LOMAS SANTA FE DR ON-RAMP TO NB,25,
N,906019,592426,36.2,L47.1
N,905999,592460,36.8,L47.2
N,905981,592494,39.3,L47.3
N,905964,592531,41.2,L47.4
N,905954,592569,41,L47.5
N,905942,592629,42.6,L47.6
N,905930,592707,43.1,L47.7
N,905918,592786,44,L47.8
N,905900,592883,49.5,L47.9,
L45 SB Lomas on-ramp (loop),26
N,905919,592260,41.4,L45.1,
N,905908,592302,41.5,L45.2,
N,905898,592378,41.6,L45.3,
N,905886,592456,42.1,L45.4,
N,905875,592495,41.4,L45.5,
N,905857,592509,39.4,L45.6,
N,905844,592483,36.5,L45.7,
N,905832,592443,35.8,L45.8,
B80 CENTER DIVIDER 586+00 - 595+00,1,2,0,0,
906452,589948,8.3,9.3,B80.1,3.3
906423,590044,8,9,B80.2,3.3
906395,590140,7.8,8.8,B80.3,3.3
906365,590234,7.6,8.6,B80.4,3.3
906334,590330,8.5,9.5,B80.5,3.3
906306,590425,11.2,12.2,B80.6,3.3
906277,590521,14,15,B80.7,3.3
906247,590617,17.1,18.1,B80.8,3.3
906219,590714,20.2,21.2,B80.9,3.3
906189,590809,23.3,24.3,B80.10,3.3
B51 CENTER DIVIDER 595+00 - 603+90,2,2,0,0,
906189,590809,23.3,24.3,B51.1,3.3
906160,590904,26.3,27.3,B51.2,3.3
906131,591000,29.3,30.3,B51.3,3.3
906102,591096,31.9,32.9,B51.4,3.3
906081,591192,33.9,34.9,B51.5,3.3
906071,591268,35.4,36.4,B51.6,3.3
906059,591363,36.7,37.7,B51.7,3.3
906045,591471,37.8,38.8,B51.8,3.3
906033,591570,38.2,39.2,B51.9,3.3
906020,591670,38.7,39.7,B51.10,3.3
B60 EAST SIDE 2-STORY BUILDING NEAR R12,3,2,0,0,
906237,590924,33.2,40.8,B60.1,24.9
906247,590929,31.7,39.3,B60.2,24.9
906254,590931,32.3,39.9,B60.3,24.9
906264,590934,32.1,39.7,B60.4,24.9
B6 EAST SIDE NEAR,4,2,0,0,
906260,590810,26,26,B100.1,0.0
906256,590850,28,28,B6.1,0.0

906243,590885,30,30,B6.1A,0.0
906243,590885,30,34.9,B6.1A,16.0
906225,590924,33,37.3,B6.2,14.0
906202,590995,36,40.3,B6.2A,14.0
906202,590995,36,39.7,B6.2A,12.0
906194,591019,37.8,41.5,B6.3,12.0
906167,591111,44.2,47.9,B6.4,12.0
906158,591150,47,50.7,B6.5,12.0
B6 EAST SIDE NEAR,5,2,0,0,
906158,591150,47,50.7,B6.5,12.0
906152,591208,50.7,54.4,B6.6,12.0
906144,591243,54.5,58.2,B6.7,12.0
906144,591243,54.5,59.4,B6.7,16.0
906138,591257,54.5,59.4,B6.8,16.0
906125,591296,52.1,57.0,B6.9,16.0
906121,591322,49.5,54.4,B6.10,16.0
B100 EAST SIDE NEAR VIA DE NORTE NB ON-RAMP,6,2,0,0,
906260,590810,26,26,B100.1,0.0
906239,590863,30,30,B100.2,0.0
906212,590928,34,34,B100.3,0.0
906191,590989,36,36,B100.4,0.0
906175,591043,40,40,B100.5,0.0
906159,591106,44,44,B100.6,0.0
906146,591169,48,48,B100.7,0.0
906138,591221,52,52,B100.8,0.0
906144,591243,54.5,54.5,B100.9,0.0
B7 EAST SIDE NEAR R17_R18,7,2,0,0,
906121,591322,49.5,54.4,B7.1,16.0
906111,591351,47,51.9,B7.2,16.0
906115,591396,51.1,56.0,B7.3,16.0
906115,591416,51,55.9,B7.4,16.0
906107,591436,48.3,53.2,B7.5,16.0
906084,591478,41.2,46.1,B108.1A,16.0
906078,591521,40,44.9,B108.1B,16.0
906071,591574,38,42.9,B108.1,16.0
906068,591616,38.1,43.0,B108.2,16.0
B7/B8 EAST SIDE NEAR R17_R18,8,2,0,0,
906107,591436,48.3,48.3,B7.5,0.0
906114,591463,45.3,45.3,B7.6,0.0
906100,591483,42.3,42.3,B7.7,0.0
906083,591556,37.4,37.4,B7.8,0.0
906088,591577,35.5,35.5,B7.9,0.0
906088,591577,35.5,35.5,B8.1,0.0
906075,591604,34.5,34.5,B8.2,0.0
906068,591616,38.1,38.1,B8.3,0.0
B12 EAST SIDE 3-STORY BUILDING BETWEEN R21_R22,9,2,0,0,
906055,591733,38,49,B12.1,36.1
906067,591731,39,50,B12.2,36.1
906069,591751,41.5,52.5,B12.3,36.1
906096,591748,41.5,52.5,B12.4,36.1
906099,591765,43.5,54.5,B12.5,36.1
906068,591809,45,56,B12.6,36.1
906069,591824,45,56,B12.7,36.1
906056,591827,39,50,B12.8,36.1
B8 EAST SIDE ALONG NB NEAR L7,10,2,0,0,
906068,591616,38.1,43.0,B8.3,16.0

906059,591675,38.6,43.5,B8.4,16.0
906052,591733,38,42.9,B8.5,16.0
906052,591733,38,38,B8.5,0.0
906047,591775,39.1,39.1,B8.6,0.0
906035,591873,45,45,B8.7,0.0
906023,591963,47,47,B8.8,0.0
906015,592026,48,48,B8.9,0.0
B13 NAT BAR NEAR R22_R23,11,2,0,0,
906045,591941,48.5,48.5,B13.1,0.0
906059,591960,56,56,B13.2,0.0
B14 EAST SIDE 13FT WALL NEAR R24_R25,12,2,0,0,
906062,591984,58.5,62.4,B14.1,12.8
906055,592003,56.7,60.6,B14.2,12.8
906054,592035,58.1,62,B14.3,12.8
906050,592095,63,66.9,B14.4,12.8
906077,592097,62,65.9,B14.5,12.8
B52 CENTER DIVIDER 603+90 - 612+00,13,2,0,0,
906020,591670,38.7,39.7,B52.1,3.3
906009,591768,39.2,40.2,B52.2,3.3
905997,591867,39.7,40.7,B52.3,3.3
905986,591957,40.2,41.2,B52.4,3.3
905972,592067,40.8,41.8,B52.5,3.3
905959,592166,41.2,42.2,B52.6,3.3
905947,592265,41.6,42.6,B52.7,3.3
905935,592364,42.1,43.1,B52.8,3.3
905921,592483,42.6,43.6,B52.9,3.3
B20 SCHOOL BUILDING NEAR R6.22A,14,2,0,0,
906139,591857,52.9,56.9,B20.1,13.1
906115,591887,53,57,B20.2,13.1
906115,591887,53,53,B20.2,0.0
906110,591900,53,53,B21.1,0.0
906110,591900,53,57,B21.1,13.1
906097,591914,53,57,B21.2,13.1
906097,591914,53,53,B21.2,0.0
906086,591910,53,53,B22.1,0.0
906086,591910,53,57,B22.1,13.1
906090,591944,53.2,57.2,B22.2,13.1
R,1,67,4
906239,590912,34.6,R6.12A
R,2,67,4
906238,590965,34.7,R6.12
R,3,67,4
906230,591037,40.4,R6.12B
R,4,67,4
906189,591062,42.2,R6.13
R,5,67,4
906230,591084,44.3,R6.13A
R,6,67,4
906169,591146,47.8,R6.14
R,7,67,4
906230,591170,47.6,R6.14A
R,8,67,4
906167,591270,60.9,R6.15
R,9,67,4
906152,591304,57.2,R6.16
R,10,67,4

906121,591342,49.7,R6.16A
R,11,67,4
906138,591346,52,R6.17A
R,12,67,4
906123,591411,52.7,R6.17
R,13,67,4
906135,591440,50.8,R6.18
R,14,67,4
906127,591559,41.7,R6.19
R,15,67,4
906085,591607,36.1,R6.20
R,16,67,4
906136,591657,40.7,R6.21
R,17,67,4
906074,591906,54.5,R6.22
R,18,67,4
906131,591900,54.4,R6.22A
R,19,67,4
906058,591981,59.5,R6.23
R,20,67,4
906070,591992,60.5,R6.24
R,21,67,4
906064,592077,64.1,R6.25
D,4.5
ALL,1
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SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
06 VIA DE LA VALLE TO LOMAS SANTA FE,BUILD,DGN,FT

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	3.*							B80.1	329.1	
2	-	3.*							B80.2	328.1	
3	-	3.*							B80.3	323.7	
4	-	3.*							B80.4	331.0	
5	-	3.*							B80.5	325.1	
6	-	3.*							B80.6	329.2	
7	-	3.*							B80.7	330.1	
8	-	3.*							B80.8	331.5	
9	-	3.*							B80.9	326.9	
10	-	3.*							B51.1	326.0	
11	-	3.*							B51.2	329.2	
12	-	3.*							B51.3	329.1	
13	-	3.*							B51.4	322.5	
14	-	3.*							B51.5	251.5	
15	-	3.*							B51.6	314.2	
16	-	3.*							B51.7	357.4	
17	-	3.*							B51.8	327.2	
18	-	3.*							B51.9	330.8	
19	-	25.*							B60.1	37.0	
20	-	25.*							B60.2	24.0	
21	-	25.*							B60.3	34.2	
22	-	0.*							B100.1	132.1	
23	-	0.*							B6.1	122.6	
24	-	8.*							B6.1A	16.1	
25	-	15.*							B6.1A	141.1	
26	-	14.*							B6.2	245.1	
27	-	13.*							B6.2A	2.0	
28	-	12.*							B6.2A	83.2	
29	-	12.*							B6.3	315.3	
30	-	12.*							B6.4	131.6	
31	-	12.*							B6.5	191.7	
32	-	12.*							B6.6	118.4	
33	-	14.*							B6.7	4.0	
34	-	16.*							B6.7	50.0	
35	-	16.*							B6.8	135.1	
36	-	16.*							B6.9	86.7	
37	-	0.*							B100.1	187.5	
38	-	0.*							B100.2	231.3	

39	-	0.*	B100.3	211.7
40	-	0.*	B100.4	185.3
41	-	0.*	B100.5	213.6
42	-	0.*	B100.6	211.5
43	-	0.*	B100.7	173.1
44	-	0.*	B100.8	75.3
45	-	16.*	B7.1	101.0
46	-	16.*	B7.2	148.8
47	-	16.*	B7.3	65.6
48	-	16.*	B7.4	71.2
49	-	16.*	B7.5	158.8
50	-	16.*	B108.1A	142.5
51	-	16.*	B108.1B	175.5
52	-	16.*	B108.1	138.2
53	-	0.*	B7.5	92.1
54	-	0.*	B7.6	80.7
55	-	0.*	B7.7	246.4
56	-	0.*	B7.8	71.1
57	-	0.*	B7.9	.0
58	-	0.*	B8.1	98.4
59	-	0.*	B8.2	47.1
60	-	36.*	B12.1	40.1
61	-	36.*	B12.2	66.4
62	-	36.*	B12.3	89.2
63	-	36.*	B12.4	57.0
64	-	36.*	B12.5	176.7
65	-	36.*	B12.6	49.3
66	-	36.*	B12.7	47.9
67	-	16.*	B8.3	195.7
68	-	16.*	B8.4	191.7
69	-	8.*	B8.5	16.0
70	-	0.*	B8.5	138.8
71	-	0.*	B8.6	324.6
72	-	0.*	B8.7	297.9
73	-	0.*	B8.8	208.4
74	-	0.*	B13.1	81.3
75	-	13.*	B14.1	66.8
76	-	13.*	B14.2	105.1
77	-	13.*	B14.3	198.0
78	-	13.*	B14.4	88.9
79	-	3.*	B52.1	323.6
80	-	3.*	B52.2	327.2
81	-	3.*	B52.3	297.4
82	-	3.*	B52.4	363.8
83	-	3.*	B52.5	327.6
84	-	3.*	B52.6	327.2
85	-	3.*	B52.7	327.2
86	-	3.*	B52.8	393.2

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87    -  13.*                        B20.1      126.1
88    -   7.*                        B20.2       13.1
89    -   0.*                        B20.2       45.6
90    -   7.*                        B21.1       13.1
91    -  13.*                        B21.1       62.7
92    -   7.*                        B21.2       13.1
93    -   0.*                        B21.2       38.4
94    -   7.*                        B22.1       13.1
95    -  13.*                        B22.1      112.4
--------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
---------------------------------
 1  R6.12A    67.    500.   68.1
 2  R6.12     67.    500.   64.0
 3  R6.12B    67.    500.   65.8
 4  R6.13     67.    500.   67.1
 5  R6.13A    67.    500.   65.5
 6  R6.14     67.    500.   66.1
 7  R6.14A    67.    500.   63.4
 8  R6.15     67.    500.   68.0
 9  R6.16     67.    500.   67.2
10  R6.16A    67.    500.   64.3
11  R6.17A    67.    500.   65.3
12  R6.17     67.    500.   67.3
13  R6.18     67.    500.   67.7
14  R6.19     67.    500.   67.2
15  R6.20     67.    500.   65.7
16  R6.21     67.    500.   66.0
17  R6.22     67.    500.   74.1
18  R6.22A    67.    500.   66.5
19  R6.23     67.    500.   78.8
20  R6.24     67.    500.   69.6
21  R6.25     67.    500.   66.2
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.25.25.25. 0. 0. 8.15.
14.13.12.12.12.12.12.14.16.16.16. 0. 0. 0. 0. 0. 0. 0. 0.16.16.16.16.16.16.
16.16. 0. 0. 0. 0. 0. 0. 0.36.36.36.36.36.36.36.16.16. 8. 0. 0. 0. 0. 0.13.
13.13.13. 3. 3. 3. 3. 3. 3. 3. 3.13. 7. 0. 7.13. 7. 0. 7.13.
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06 Via De la Valle to Lomas Santa Fe EAST opt 2,Build,DGN,Ft,Opt 2,
T-L4 SB OUTER MAIN LANE 582+60 - 587+00,1
4764,65,168,65,468,65
T-L14 SB INNER MAIN LANE 582+60 - 587+00,2
5412,65,168,65,0,65
T-L54 SB HOV LANE 582+60 - 587+00,3
3000,65,0,65,0,65
T-L53 NB HOV LANE 582+60 - 587+00,4
3000,65,0,65,0,65
T-L13 NB INNER MAIN LANE 582+60 - 587+00,5
5412,65,168,65,0,65
T-L3 NB OUTER MAIN LANE 582+60 - 587+00,6
4764,65,168,65,468,65
T-L41 NB OFF-RAMP TO VIA DEL VALLE,7
1900,45,48,45,52,45
T-L40 VIA DEL VALLE SB ON-RAMP,8
950,45,24,45,26,45
T-L6 SB OUTER MAIN LANE 587+00 - 600+80,9
4764,65,168,65,468,65
T-L16 SB INNER MAIN LANE 587+00 - 600+80,10
5412,65,168,65,0,65
T-L56 SB HOV LANE 587+00 - 600+80,11
3000,65,0,65,0,65
T-L55 NB HOV LANE 587+00 - 600+80,12
3000,65,0,65,0,65
T-L15 NB INNER MAIN LANE 587+00 - 600+80,13
5412,65,168,65,0,65
T-L5 NB OUTER MAIN LANE 587+00 - 600+80,14
4764,65,168,65,468,65
T-L42 SB OFF-RAMP TO VIA DEL VALLE,15
1900,45,48,45,52,45
T-L43 VIA DEL VALLE ON-RAMP TO NB,16
950,45,24,45,26,45
T-L8 SB OUTER MAIN LANE 600+80 - 615+00,17
4764,65,168,65,468,65
T-L18 SB INNER MAIN LANE 600+80 - 615+00,18
5412,65,168,65,0,65
T-L58 SB HOV LANE 600+80 - 615+00,19
3000,65,0,65,0,65
T-L57 NB HOV LANE 600+80 - 615+00,20
3000,65,0,65,0,65
T-L17 NB INNER MAIN LANE 600+80 - 615+00,21
5412,65,168,65,0,65
T-L7 NB OUTER MAIN LANE 600+80 - 615+00,22
4764,65,168,65,468,65
T-L44 LOMAS SANTA FE DR ON-RAMP TO SB,23
950,45,24,45,26,45
T-L46 SB OFF-RAMP TO LOMAS SANTA FE DR,24
950,45,24,45,26,45
T-L47 LOMAS SANTA FE DR ON-RAMP TO NB,25
950,45,24,45,26,45
T-L45 SB LOMAS ON-RAMP,26
950,45,24,45,26,45
L4 SB OUTER MAIN LANE 582+60 - 587+00,1
N,906524,589615,9.4,L4.11,
N,906496,589709,8.7,L4.12,

N,906454,589843,8.4,L4.13,
N,906424,589939,8.2,L4.14,
N,906395,590034,7.9,L4.15,
L14 SB INNER MAIN LANE 582+60 - 587+00,2
N,906535,589618,9.4,L14.11,
N,906506,589713,8.7,L14.12,
N,906465,589847,8.4,L14.13,
N,906435,589943,8.2,L14.14,
N,906406,590038,7.9,L14.15
L54 SB HOV LANE 582+60 - 587+00,3,
N,906545,589622,9.6,L54.11
N,906515,589716,8.9,L54.12
N,906475,589850,8.5,L54.13
N,906445,589945,8.3,L54.14
N,906416,590041,8,L54.15
L53 SB HOV LANE 582+60 - 587+00,4,
N,906560,589627,9.6,L53.11
N,906532,589721,8.9,L53.12
N,906490,589855,8.5,L53.13
N,906461,589950,8.3,L53.14
N,906431,590047,8,L53.15
L13 NB INNER MAIN LANE 582+60 - 587+00,5,
N,906570,589630,9.4,L13.11
N,906541,589724,8.7,L13.12
N,906500,589858,8.3,L13.13
N,906471,589954,8.1,L13.14
N,906441,590049,7.8,L13.15
L3 NB OUTER MAIN LANE 582+60 - 587+00,6,
N,906579,589634,9.4,L3.11
N,906551,589727,8.7,L3.12
N,906510,589861,8.3,L3.13
N,906480,589957,8.1,L3.14
N,906450,590053,7.8,L3.15
L41 NB OFF-RAMP TO VIA DEL VALLE,7,
N,906422,590148,7.7,L41.1
N,906409,590206,7.5,L41.2
N,906392,590285,7.5,L41.3
N,906379,590343,7.6,L41.4
N,906375,590393,7.8,L41.5
N,906377,590442,8,L41.6
N,906398,590539,8.3,L41.7
N,906404,590582,8.5,L41.8
N,906404,590621,8.6,L41.9
N,906394,590668,10.8,L41.10
L40 VIA DEL VALLE SB ON-RAMP,8,
N,906395,590034,7.9,L40.1
N,906361,590131,7.5,L40.2
N,906330,590224,7,L40.3
N,906295,590318,7.8,L40.4
N,906258,590410,10.3,L40.5
N,906235,590467,11.8,L40.6
N,906217,590501,12.2,L40.7
N,906192,590531,12.3,L40.8
N,906131,590583,11.6,L40.9
N,906108,590615,11.5,L40.10
L6 SB OUTER MAIN LANE 587+00 - 600+80,9,

N,906395,590034,7.9,L6.1
N,906367,590130,7.5,L6.2
N,906337,590225,7.4,L6.3
N,906308,590321,8.3,L6.4
N,906278,590416,11,L6.5
N,906248,590513,13.8,L6.6
N,906221,590610,17,L6.7
N,906192,590705,20.1,L6.8
N,906163,590800,23.2,L6.9
N,906133,590895,26.1,L6.10
N,906104,590992,29.2,L6.11
N,906076,591088,32.4,L6.12
N,906052,591188,34.4,L6.13
N,906043,591260,35.5,L6.14
N,906030,591359,36.5,L6.15
L16 SB INNER MAIN LANE 587+00 - 600+80,10,
N,906406,590038,7.9,L16.1
N,906376,590134,7.6,L16.2
N,906348,590229,7.4,L16.3
N,906317,590325,8.3,L16.4
N,906289,590420,11,L16.5
N,906259,590516,13.8,L16.6
N,906230,590613,17,L16.7
N,906200,590707,20.1,L16.8
N,906171,590803,23.2,L16.9
N,906141,590898,26.1,L16.10
N,906112,590995,29.2,L16.11
N,906084,591090,32.4,L16.12
N,906063,591190,34.4,L16.13
N,906053,591261,35.5,L16.14
N,906041,591361,36.5,L16.15
L56 SB HOV LANE 587+00 - 600+80,11,
N,906416,590041,8,L56.1
N,906386,590136,7.8,L56.2
N,906356,590231,7.6,L56.3
N,906327,590328,8.5,L56.4
N,906298,590423,11.2,L56.5
N,906269,590519,14,L56.6
N,906239,590615,17.1,L56.7
N,906210,590710,20.2,L56.8
N,906180,590806,23.3,L56.9
N,906151,590902,26.3,L56.10
N,906122,590997,29.3,L56.11
N,906094,591093,32.1,L56.12
N,906073,591192,34.2,L56.13
N,906063,591262,35.4,L56.14
N,906051,591362,36.7,L56.15
L55 NB HOV LANE 587+00 - 600+80,12,
N,906431,590047,8,L55.1
N,906402,590142,7.8,L55.2
N,906371,590237,7.6,L55.3
N,906343,590332,8.5,L55.4
N,906313,590429,11.2,L55.5
N,906285,590523,14,L55.6
N,906254,590620,17.1,L55.7
N,906225,590715,20.2,L55.8

N,906197,590811,23.3,L55.9
N,906168,590907,26.2,L55.10
N,906138,591002,29.3,L55.11
N,906110,591098,31.9,L55.12
N,906089,591195,34,L55.13
N,906078,591275,35.5,L55.14
N,906067,591364,36.7,L55.15
L15 NB INNER MAIN LANE 587+00 - 600+80,13,
N,906441,590049,7.8,L15.1
N,906412,590145,7.7,L15.2
N,906382,590240,7.4,L15.3
N,906352,590336,8.3,L15.4
N,906323,590431,11,L15.5
N,906293,590527,13.9,L15.6
N,906264,590623,17,L15.7
N,906235,590718,20.1,L15.8
N,906206,590814,23.2,L15.9
N,906177,590909,26.1,L15.10
N,906148,591006,29.2,L15.11
N,906120,591100,31.6,L15.12
N,906098,591197,33.7,L15.13
N,906088,591276,35.3,L15.14
N,906077,591366,36.4,L15.15
L5 NB OUTER MAIN LANE 587+00 - 600+80,14,
N,906450,590053,7.8,L5.1
N,906422,590148,7.7,L5.2
N,906390,590242,7.4,L5.3
N,906360,590338,8.3,L5.4
N,906331,590434,11,L5.5
N,906302,590530,13.9,L5.6
N,906272,590626,17,L5.7
N,906243,590721,20.1,L5.8
N,906217,590817,23.2,L5.9
N,906188,590913,26.1,L5.10
N,906158,591009,29.2,L5.11
N,906130,591104,31.6,L5.12
N,906110,591199,33.7,L5.13
N,906099,591277,35.3,L5.14
N,906088,591367,36.4,L5.15
L42 SB OFF-RAMP TO VIA DEL VALLE,15,
N,906104,590634,11.5,L42.1
N,906091,590691,11,L42.2
N,906086,590732,11.9,L42.3
N,906094,590792,15.7,L42.4
N,906101,590846,19.3,L42.5
N,906105,590891,22.1,L42.6
N,906103,590930,24.7,L42.7
N,906084,591020,29.3,L42.8
N,906071,591085,30.9,L42.9
N,906052,591188,34.4,L42.10
L43 VIA DEL VALLE ON-RAMP TO NB,16,
N,906362,590693,10.5,L43.1
N,906350,590709,10.2,L43.2
N,906334,590722,10.2,L43.3
N,906274,590771,14.4,L43.4
N,906250,590804,17.1,L43.5

N,906222,590877,22.5,L43.6
N,906185,590971,27.1,L43.7
N,906156,591045,29.6,L43.8
N,906138,591104,30,L43.9
N,906114,591197,33.5,L43.10
N,906099,591277,35.3,L43.11
L8 SB OUTER MAIN LANE 600+80 - 615+00,17,
N,906030,591359,36.5,L8.1
N,906016,591467,37.7,L8.2
N,906005,591565,38.1,L8.3
N,905992,591666,38.5,L8.4
N,905980,591764,39.1,L8.5
N,905968,591865,39.6,L8.6
N,905957,591953,40,L8.7
N,905943,592063,40.6,L8.8
N,905929,592161,41.1,L8.9
N,905919,592260,41.4,L8.10
N,905907,592361,41.9,L8.11
N,905893,592478,42.6,L8.12
N,905879,592578,43,L8.13
N,905868,592679,43.5,L8.14
N,905855,592776,43.9,L8.15
L18 SB INNER MAIN LANE 600+80 - 615+00,18,
N,906041,591361,36.5,L18.1
N,906027,591468,37.7,L18.2
N,906015,591567,38.1,L18.3
N,906002,591667,38.5,L18.4
N,905991,591766,39.1,L18.5
N,905979,591866,39.6,L18.6
N,905968,591954,40,L18.7
N,905954,592064,40.6,L18.8
N,905941,592163,41.1,L18.9
N,905930,592262,41.4,L18.10
N,905916,592362,41.9,L18.11
N,905902,592480,42.6,L18.12
N,905890,592579,43,L18.13
N,905879,592681,43.5,L18.14
N,905866,592778,43.9,L18.15
L58 SB HOV LANE 600+80 - 615+00,19,
N,906051,591362,36.7,L58.1
N,906037,591470,37.8,L58.2
N,906025,591568,38.2,L58.3
N,906014,591669,38.7,L58.4
N,906001,591767,39.2,L58.5
N,905988,591867,39.7,L58.6
N,905977,591956,40.2,L58.7
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N,905911,592482,42.6,L58.12
N,905900,592581,43.2,L58.13
N,905887,592680,43.7,L58.14
N,905876,592779,44.2,L58.15
L57 NB HOV LANE 600+80 - 615+00,20,
N,906067,591364,36.7,L57.1

N,906054,591473,37.7,L57.2
N,906042,591571,38.2,L57.3
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N,905892,592782,44.1,L57.15
L17 NB INNER MAIN LANE 600+80 - 615+00,21,
N,906077,591366,36.4,L17.1
N,906065,591474,37.6,L17.2
N,906051,591571,38.1,L17.3
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N,905978,592169,41.1,L17.9
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N,905939,592486,42.5,L17.12
N,905928,592585,43,L17.13
N,905914,592685,43.5,L17.14
N,905903,592783,44,L17.15
L7 NB OUTER MAIN LANE 600+80 - 615+00,22,
N,906088,591367,36.4,L7.1
N,906074,591475,37.6,L7.2
N,906062,591573,38.1,L7.3
N,906051,591674,38.6,L7.4
N,906037,591772,39.1,L7.5
N,906025,591871,39.6,L7.6
N,906014,591962,40,L7.7
N,905998,592072,40.6,L7.8
N,905987,592170,41.1,L7.9
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N,905962,592369,42,L7.11
N,905949,592487,42.5,L7.12
N,905937,592586,43,L7.13
N,905925,592685,43.5,L7.14
N,905913,592785,44,L7.15
L44 LOMAS SANTA FE DR ON-RAMP TO SB,23,
N,905957,591953,40,L44.1
N,905936,592061,40.6,L44.2
N,905930,592102,40,L44.3
N,905917,592180,39,L44.4
N,905906,592239,40.7,L44.5
N,905897,592278,40.2,L44.6
N,905885,592315,38.3,L44.7
N,905867,592351,36.2,L44.8
N,905840,592405,35.4,L44.9

L46 SB OFF-RAMP TO LOMAS SANTA FE DR,24,
N,905822,592442,35.8,L46.1
N,905844,592558,39.5,L46.2
N,905858,592638,42.2,L46.3
N,905856,592698,43,L46.4
N,905851,592775,43.9,L46.5
N,905842,592876,44.4,L46.6
L47 LOMAS SANTA FE DR ON-RAMP TO NB,25,
N,906019,592426,36.2,L47.1
N,905999,592460,36.8,L47.2
N,905981,592494,39.3,L47.3
N,905964,592531,41.2,L47.4
N,905954,592569,41,L47.5
N,905942,592629,42.6,L47.6
N,905930,592707,43.1,L47.7
N,905918,592786,44,L47.8
N,905900,592883,49.5,L47.9,
L45 SB LOMAS ON-RAMP,26
N,905919,592260,41.4,L45.1,
N,905908,592302,41.5,L45.2,
N,905898,592378,41.6,L45.3,
N,905886,592456,42.1,L45.4,
N,905875,592495,41.4,L45.5,
N,905857,592509,39.4,L45.6,
N,905844,592483,36.5,L45.7,
N,905832,592443,35.8,L45.8,
B80 CENTER DIVIDER 586+00 - 595+00,1,2,0,0,
906452,589948,8.3,9.3,B80.1,
906423,590044,8,9,B80.2,
906395,590140,7.8,8.8,B80.3,
906365,590234,7.6,8.6,B80.4,
906334,590330,8.5,9.5,B80.5,
906306,590425,11.2,12.2,B80.6,
906277,590521,14,15,B80.7,
906247,590617,17.1,18.1,B80.8,
906219,590714,20.2,21.2,B80.9,
906189,590809,23.3,24.3,B80.10,
B51 CENTER DIVIDER 595+00 - 603+90,2,2,0,0,
906189,590809,23.3,24.3,B51.1,
906160,590904,26.3,27.3,B51.2,
906131,591000,29.3,30.3,B51.3,
906102,591096,31.9,32.9,B51.4,
906081,591192,33.9,34.9,B51.5,
906071,591268,35.4,36.4,B51.6,
906059,591363,36.7,37.7,B51.7,
906045,591471,37.8,38.8,B51.8,
906033,591570,38.2,39.2,B51.9,
906020,591670,38.7,39.7,B51.10,
B60 EAST SIDE 2-STORY BUILDING NEAR R12,3,2,0,0,
906237,590924,33.2,40.8,B60.1,
906247,590929,31.7,39.3,B60.2,
906254,590931,32.3,39.9,B60.3,
906264,590934,32.1,39.7,B60.4,
B6 EAST SIDE NEAR,4,2,0,0,
906260,590810,26,26,B100.1,
906256,590850,28,28,B6.1,

906243,590885,30,30,B6.1A,
906225,590924,33,33,B6.2,
906202,590995,36,36,B6.2A,
906194,591019,37.8,37.8,B6.3,
906167,591111,44.2,44.2,B6.4,
906158,591150,48,48,B6.5,
B6 EAST SIDE NEAR,5,2,0,0,
906158,591150,48,48,B6.5,
906152,591208,50.7,50.7,B6.6,
906144,591243,54.5,54.5,B6.7,
906138,591257,54.5,54.5,B6.8,
906125,591296,52.1,52.1,B6.9,
906125,591296,52.1,55.8,B6.9,
906121,591322,49.5,53.2,B6.10,
B100 EAST SIDE NEAR VIA DE NORTE NB ON-RAMP,6,2,0,0,
906260,590810,26,26,B100.1,
906239,590863,30,30,B100.2,
906212,590928,34,34,B100.3,
906191,590989,36,36,B100.4,
906175,591043,40,40,B100.5,
906159,591106,44,44,B100.6,
906146,591169,48,48,B100.7,
906138,591221,52,52,B100.8,
906144,591243,54.5,54.5,B100.9,
B7 EAST SIDE NEAR R17_R18,7,2,0,0,
906121,591322,49.5,53.2,B7.1,
906111,591351,47,50.7,B7.2,
906115,591396,51.1,54.8,B7.3,
906115,591416,51,54.7,B7.4,
906107,591436,48.3,52.0,B7.5,
906107,591436,48.3,53.2,B7.5,
906114,591463,45.3,50.2,B7.6,
B7 EAST SIDE NEAR R17_R18,7,2,0,0,
906114,591463,45.3,50.2,B7.6,
906100,591483,42.3,47.2,B7.7,
906092,591520,40.5,45.4,B7.7A,
906083,591556,37.4,42.3,B7.8,
906088,591577,35.5,40.4,B7.9,
B12 EAST SIDE 3-STORY BUILDING BETWEEN R21_R22,8,2,0,0,
906055,591733,38,49,B12.1,
906067,591731,39,50,B12.2,
906069,591751,41.5,52.5,B12.3,
906096,591748,41.5,52.5,B12.4,
906099,591765,43.5,54.5,B12.5,
906068,591809,45,56,B12.6,
906069,591824,45,56,B12.7,
906056,591827,39,50,B12.8,
B8 EAST SIDE ALONG NB NEAR L7,9,2,0,0,
906088,591577,36,40.9,B8.1,
906075,591604,34.5,39.4,B8.2,
906068,591616,38.1,43.0,B8.3,
906059,591675,38.6,43.5,B8.4,
906052,591733,38,42.9,B8.5,
906052,591733,38,38,B8.5,
906047,591775,39.1,39.1,B8.6,
906035,591873,45,45,B8.7,

906023,591963,47,47,B8.8,
906015,592026,48,48,B8.9,
B13 NAT BAR NEAR R22_R23,10,2,0,0,
906045,591941,48.5,48.5,B13.1,
906059,591960,56,56,B13.2,
B14 EAST SIDE 13FT WALL NEAR R24_R25,11,2,0,0,
906062,591984,58.5,62.4,B14.1,
906055,592003,56.7,60.6,B14.2,
906054,592035,58.1,62,B14.3,
906050,592095,63,66.9,B14.4,
906077,592097,62,65.9,B14.5,
B52 CENTER DIVIDER 603+90 - 612+00,12,2,0,0,
906020,591670,38.7,39.7,B52.1,
906009,591768,39.2,40.2,B52.2,
905997,591867,39.7,40.7,B52.3,
905986,591957,40.2,41.2,B52.4,
905972,592067,40.8,41.8,B52.5,
905959,592166,41.2,42.2,B52.6,
905947,592265,41.6,42.6,B52.7,
905935,592364,42.1,43.1,B52.8,
905921,592483,42.6,43.6,B52.9,
R,1,67,4
906239,590912,34.6,R6.12A
R,2,67,4
906238,590965,34.7,R6.12
R,3,67,4
906230,591037,40.4,R6.12B
R,4,67,4
906189,591062,42.2,R6.13
R,5,67,4
906230,591084,44.3,R6.13A
R,6,67,4
906169,591146,47.8,R6.14
R,7,67,4
906230,591170,47.6,R6.14A
R,8,67,4
906167,591270,60.9,R6.15
R,9,67,4
906152,591304,57.2,R6.16
R,10,67,4
906121,591342,49.7,R6.16A
R,11,67,4
906138,591346,52,R6.17A
R,12,67,4
906123,591411,52.7,R6.17
R,13,67,4
906135,591440,50.8,R6.18
R,14,67,4
906127,591559,41.7,R6.19
R,15,67,4
906085,591607,36.1,R6.20
R,16,67,4
906136,591657,40.7,R6.21
R,17,67,4
906074,591906,54.5,R6.22
R,18,67,4

906131,591900,54.4,R6.22A
R,19,67,4
906058,591981,59.5,R6.23
R,20,67,4
906070,591992,60.5,R6.24
R,21,67,4
906064,592077,64.1,R6.25
D,4.5
ALL,1
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SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
06 VIA DE LA VALLE TO LOMAS SANTA FE EAST OPT 2,BUILD,DGN,FT,OPT 2,

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	-	3.*							B80.1	329.1	
2	-	3.*							B80.2	328.1	
3	-	3.*							B80.3	323.7	
4	-	3.*							B80.4	331.0	
5	-	3.*							B80.5	325.1	
6	-	3.*							B80.6	329.2	
7	-	3.*							B80.7	330.1	
8	-	3.*							B80.8	331.5	
9	-	3.*							B80.9	326.9	
10	-	3.*							B51.1	326.0	
11	-	3.*							B51.2	329.2	
12	-	3.*							B51.3	329.1	
13	-	3.*							B51.4	322.5	
14	-	3.*							B51.5	251.5	
15	-	3.*							B51.6	314.2	
16	-	3.*							B51.7	357.4	
17	-	3.*							B51.8	327.2	
18	-	3.*							B51.9	330.8	
19	-	25.*							B60.1	37.0	
20	-	25.*							B60.2	24.0	
21	-	25.*							B60.3	34.2	
22	-	0.*							B100.1	132.1	
23	-	0.*							B6.1	122.6	
24	-	0.*							B6.1A	141.2	
25	-	0.*							B6.2	245.1	
26	-	0.*							B6.2A	83.2	
27	-	0.*							B6.3	315.3	
28	-	0.*							B6.4	131.9	
29	-	0.*							B6.5	191.5	
30	-	0.*							B6.6	118.4	
31	-	0.*							B6.7	50.0	
32	-	0.*							B6.8	135.1	
33	-	6.*							B6.9	12.2	
34	-	12.*							B6.9	86.7	
35	-	0.*							B100.1	187.5	
36	-	0.*							B100.2	231.3	
37	-	0.*							B100.3	211.7	
38	-	0.*							B100.4	185.3	

39	-	0.*	B100.5	213.6
40	-	0.*	B100.6	211.5
41	-	0.*	B100.7	173.1
42	-	0.*	B100.8	75.3
43	-	12.*	B7.1	101.0
44	-	12.*	B7.2	148.8
45	-	12.*	B7.3	65.6
46	-	12.*	B7.4	71.2
47	-	14.*	B7.5	3.9
48	-	16.*	B7.5	92.1
49	-	16.*	B7.6	80.7
50	-	16.*	B7.7	124.3
51	-	16.*	B7.7A	122.2
52	-	16.*	B7.8	71.1
53	-	36.*	B12.1	40.1
54	-	36.*	B12.2	66.4
55	-	36.*	B12.3	89.2
56	-	36.*	B12.4	57.0
57	-	36.*	B12.5	176.7
58	-	36.*	B12.6	49.3
59	-	36.*	B12.7	47.9
60	-	16.*	B8.1	98.5
61	-	16.*	B8.2	47.1
62	-	16.*	B8.3	195.7
63	-	16.*	B8.4	191.7
64	-	8.*	B8.5	16.0
65	-	0.*	B8.5	138.8
66	-	0.*	B8.6	324.6
67	-	0.*	B8.7	297.9
68	-	0.*	B8.8	208.4
69	-	0.*	B13.1	81.3
70	-	13.*	B14.1	66.8
71	-	13.*	B14.2	105.1
72	-	13.*	B14.3	198.0
73	-	13.*	B14.4	88.9
74	-	3.*	B52.1	323.6
75	-	3.*	B52.2	327.2
76	-	3.*	B52.3	297.4
77	-	3.*	B52.4	363.8
78	-	3.*	B52.5	327.6
79	-	3.*	B52.6	327.2
80	-	3.*	B52.7	327.2
81	-	3.*	B52.8	393.2

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0 1 2 3 4 5 6 7

1

REC	REC ID	DNL	PEOPLE	LEQ(CAL)
1	R6.12A	67.	500.	74.9

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 2  R6.12     67.    500.   69.4
 3  R6.12B    67.    500.   69.5
 4  R6.13     67.    500.   72.8
 5  R6.13A    67.    500.   68.3
 6  R6.14     67.    500.   71.4
 7  R6.14A    67.    500.   65.1
 8  R6.15     67.    500.   71.3
 9  R6.16     67.    500.   70.2
10  R6.16A    67.    500.   66.6
11  R6.17A    67.    500.   66.9
12  R6.17     67.    500.   67.8
13  R6.18     67.    500.   68.0
14  R6.19     67.    500.   70.2
15  R6.20     67.    500.   68.0
16  R6.21     67.    500.   68.1
17  R6.22     67.    500.   74.1
18  R6.22A    67.    500.   68.5
19  R6.23     67.    500.   78.8
20  R6.24     67.    500.   69.6
21  R6.25     67.    500.   66.2
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.25.25.25. 0. 0. 0. 0.
 0. 0. 0. 0. 0. 0. 0. 6.12. 0. 0. 0. 0. 0. 0. 0. 0.12.12.12.12.14.16.16.16.
16.16.36.36.36.36.36.36.36.16.16.16.16. 8. 0. 0. 0. 0. 0.13.13.13.13. 3. 3.
 3. 3. 3. 3. 3. 3.
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07 Lomas Santa Fe to Manchester,WEST - No Build,0,Ft
T-L8 SB Outer Main Lane 606+80 to 615+00,1
0,65,0,65,0,65
T-L18 SB Inner Main Lane 606+80 to 615+00,2
3268,65,88,65,244,65
T-L58 SB INNER 606+80 to 615+00,3
3512,65,88,65,0,65
T-L57 NB INNER 606+80 to 615+00,4
3521,65,88,65,0,65
T-L17 NB Inner Main Lane 606+80 to 615+00,5
3268,65,88,65,244,65
T-L7 NB Outer Main Lane 606+80 to 615+00,6
0,65,0,65,0,65
T-L44 Lomas Santa Fe Dr. ON RAMP TO SB I-5,7
656,45,17,45,18,45
T-L46 SB OFF RAMP TO LOMAS SANTA FE ,8
798,45,20,45,22,45
T-L47 T-LOAMS SANTA FE DR ON RAMP TO NB 1-5,9
798,45,20,45,22,45
T-L10 SB OUTER MAIN LANE 615+00 TO 627+50,10
0,65,0,65,0,65
T-L20 SB INNER MAIN LANE 615+00 TO 627+50,11
3268,65,88,65,244,65
T-L60 SB INNER 615+00 TO 627+50,12
3521,65,88,65,0,65
T-L59 NB INNER 615+00 TO 627+50,13
3521,65,88,65,0,65
T-L19 NB INNER MAIN LANE 615+00 TO 627+50,14
3268,65,88,65,244,65
T-L9 OUTER MAIN LANE 615+00 - 627+50,15
0,65,0,65,0,65
L8 SB Outer Main Lane 606+80 to 615+00,1
N,905957,591953,40,L8.7
N,905943,592063,40.6,L8.8
N,905929,592161,41.1,L8.9
N,905919,592260,41.4,L8.10
N,905907,592361,41.9,L8.11
N,905893,592478,42.6,L8.12
N,905879,592578,43,L8.13
N,905868,592679,43.5,L8.14
N,905855,592776,43.9,L8.15
L18 SB Inner Main Lane 606+80 to 615+00,2,
N,905968,591954,40,L18.7
N,905954,592064,40.6,L18.8
N,905941,592163,41.1,L18.9
N,905930,592262,41.4,L18.10
N,905916,592362,41.9,L18.11
N,905902,592480,42.6,L18.12
N,905890,592579,43,L18.13
N,905879,592681,43.5,L18.14
N,905866,592778,43.9,L18.15
L58 SB INNER 606+80 to 615+00,3,
N,905977,591956,40.2,L58.7
N,905963,592065,40.8,L58.8
N,905951,592164,41.2,L58.9
N,905939,592263,41.6,L58.10

N,905927,592363,42.1,L58.11
N,905911,592482,42.6,L58.12
N,905900,592581,43.2,L58.13
N,905887,592680,43.7,L58.14
N,905876,592779,44.2,L58.15
L57 NB INNER 606+80 to 615+00,4,
N,905993,591959,40.2,L57.7
N,905980,592068,40.8,L57.8
N,905967,592168,41.2,L57.9
N,905955,592265,41.6,L57.10
N,905943,592365,42.1,L57.11
N,905928,592484,42.6,L57.12
N,905916,592583,43.2,L57.13
N,905904,592682,43.7,L57.14
N,905892,592782,44.1,L57.15
L17 NB Inner Main Lane 606+80 to 615+00,5,
N,906003,591961,40,L17.7
N,905989,592070,40.6,L17.8
N,905978,592169,41.1,L17.9
N,905965,592267,41.5,L17.10
N,905953,592367,42,L17.11
N,905939,592486,42.5,L17.12
N,905928,592585,43,L17.13
N,905914,592685,43.5,L17.14
N,905903,592783,44,L17.15
L7 NB Outer Main Lane 606+80 to 615+00,6,
N,906014,591962,40,L7.7
N,905998,592072,40.6,L7.8
N,905987,592170,41.1,L7.9
N,905974,592269,41.5,L7.10
N,905962,592369,42,L7.11
N,905949,592487,42.5,L7.12
N,905937,592586,43,L7.13
N,905925,592685,43.5,L7.14
N,905913,592785,44,L7.15
L44 Lomas Santa Fe Dr. ON RAMP TO SB I-5,7,
N,905941,592163,41.1,L44.6
N,905885,592315,38.3,L44.7
N,905867,592351,36.2,L44.8
N,905840,592405,35.4,L44.9
L46 SB OFF RAMP TO LOMAS SANTA FE ,8,
N,905833,592443,35.8,L46.1
N,905841,592482,36.4,L46.2
N,905853,592540,38.7,L46.3
N,905865,592600,41.1,L46.4
N,905872,592658,42.6,L46.5
N,905866,592778,43.9,L46.6
L47 LOAMS SANTA FE DR ON RAMP TO NB 1-5,9,
N,906019,592426,36.2,L47.1
N,905999,592460,36.8,L47.2
N,905981,592494,39.3,L47.3
N,905937,592586,43,L47.4
N,905914,592685,43.5,L47.5
L10 SB OUTER MAIN LANE 615+00 TO 627+50,10,
N,905855,592776,43.9,L10.1
N,905842,592876,44.4,L10.2

N,905834,592947,44.8,L10.3
N,905826,593022,44.4,L10.4
N,905817,593093,43.2,L10.5
N,905801,593170,41.3,L10.6
N,905776,593253,38.7,L10.7
N,905747,593328,36,L10.8
N,905710,593403,33.5,L10.9
N,905667,593471,31,L10.10
N,905608,593547,28,L10.11
N,905537,593625,25,L10.12
N,905468,593696,22,L10.13
N,905400,593770,19,L10.14
N,905331,593844,16,L10.15
L20 SB INNER MAIN LANE 615+00 TO 627+50,11,
N,905866,592778,43.9,L20.1
N,905853,592877,44.4,L20.2
N,905845,592948,44.8,L20.3
N,905836,593024,44.4,L20.4
N,905827,593095,43.2,L20.5
N,905812,593171,41.3,L20.6
N,905787,593257,38.7,L20.7
N,905756,593335,36,L20.8
N,905720,593408,33.5,L20.9
N,905676,593477,31,L20.10
N,905616,593555,28,L20.11
N,905544,593632,25,L20.12
N,905477,593704,22,L20.13
N,905406,593777,19,L20.14
N,905339,593850,16,L20.15
L60 SB INNER 615+00 TO 627+50,12,
N,905876,592779,44.2,L60.1
N,905864,592879,44.6,L60.2
N,905854,592949,44.8,L60.3
N,905846,593025,44.5,L60.4
N,905837,593098,43.5,L60.5
N,905822,593174,41.6,L60.6
N,905796,593260,39,L60.7
N,905765,593339,36.4,L60.8
N,905728,593413,33.8,L60.9
N,905683,593483,31.3,L60.10
N,905621,593562,28.3,L60.11
N,905551,593639,25.2,L60.12
N,905483,593711,22.2,L60.13
N,905413,593784,19.2,L60.14
N,905346,593857,16.2,L60.15
L59 NB INNER 615+00 TO 627+50,13,
N,905892,592782,44.1,L59.1
N,905880,592880,44.6,L59.2
N,905871,592952,44.8,L59.3
N,905862,593027,44.5,L59.4
N,905851,593109,43.5,L59.5
N,905837,593187,41.5,L59.6
N,905810,593272,39,L59.7
N,905778,593351,36.5,L59.8
N,905734,593438,33.7,L59.9
N,905687,593508,31.2,L59.10

N,905634,593573,28.6,L59.11
N,905563,593652,25.2,L59.12
N,905496,593722,22.2,L59.13
N,905426,593796,19.2,L59.14
N,905357,593869,16,L59.15
L19 NB INNER MAIN LANE 615+00 TO 627+50,14,
N,905903,592783,44,L19.1
N,905890,592881,49.5,L19.2
N,905882,592953,44.8,L19.3
N,905872,593029,44.4,L19.4
N,905861,593112,43.7,L19.5
N,905845,593190,42,L19.6
N,905819,593276,39.3,L19.7
N,905786,593356,36.7,L19.8
N,905740,593443,34,L19.9
N,905695,593513,31.5,L19.10
N,905642,593580,29,L19.11
N,905570,593658,25,L19.12
N,905502,593729,22,L19.13
N,905433,593803,19,L19.14
N,905365,593876,15.9,L19.15
L9 OUTER MAIN LANE 615+00 - 627+50,15,
N,905913,592785,44,L9.1
N,905900,592883,49.5,L9.2
N,905892,592955,44.8,L9.3
N,905883,593030,44.4,L9.4
N,905872,593115,43.7,L9.5
N,905856,593193,42,L9.6
N,905828,593279,39.3,L9.7
N,905795,593361,36.7,L9.8
N,905751,593446,34,L9.9
N,905703,593520,31.5,L9.10
N,905650,593588,29,L9.11
N,905578,593665,25,L9.12
N,905511,593737,22,L9.13
N,905442,593811,19,L9.14
N,905373,593884,15.9,L9.15
B52 CENTER DIVIDER 606+80 - 612+00,1,2,0,0
905986,591957,40.2,41.2,B52.4
905972,592067,40.8,41.8,B52.5
905959,592166,41.2,42.2,B52.6
905947,592265,41.6,42.6,B52.7
905935,592364,42.1,43.1,B52.8
905921,592483,42.6,43.6,B52.9
B20 W. SIDE BUILDING ALONG SB LOMAS SANT FE DR OFF RAMP,2,2,0,0
905802,592462,39,46.6,B20.1
905818,592478,39,46.6,B20.2
905824,592529,41,48.6,B20.3
905831,592542,40.8,48.4,B20.4
905826,592548,40.7,48.3,B20.5
B1 W. SIDE ALONG SOLANA HILL DR. ROW,3,2,0,0
905833,592534,38.6,38.6,B1.1
905844,592596,43.5,43.5,B1.2
905848,592629,45.4,45.4,B1.3
905830,592720,52,52,B1.4
905813,592795,58,58,B1.5

905793,592864,64,64,B1.6
905772,592932,70.7,70.7,B1.7
905755,592969,76,76,B1.8
905744,592993,80,80,B1.9
905734,593021,82.5,82.5,B1.10
B30 W. SIDE ALONG SOLANA HILL DR. ROW,4,2,0,0
905734,593021,82.5,82.5,B30.1
905733,593040,83,83,B30.2
905729,593051,82,82,B30.3
B2 W. SIDE ALONG SOLANA HILL DR. NAT. BAR. IN FRONT OF B1,5,2,0,0
905848,592629,45.4,45.4,B2.1
905851,592672,48.4,48.4,B2.2
905841,592722,52.4,52.4,B2.3
905827,592791,58,58,B2.4
905821,592797,58.5,58.5,B2.5
905810,592827,61.2,61.2,B2.6
B2 W. SIDE ALONG SOLANA HILL DR. NAT. BAR. IN FRONT OF B1,5,1,0,0
905810,592827,61.2,61.2,B2.6
905799,592865,64.5,64.5,B2.7
905782,592933,70.5,70.5,B2.8
905765,592978,76,76,B2.9
905747,593012,81,81,B2.10
905742,593049,82.9,82.9,B2.11
905750,593105,70,70,B2.12
905750,593177,62,62,B2.13
B3 W. SIDE NEAR R7.10&11 NAT. BAR.,6,2,0,0
905739,593040,82.2,82.2,B3.1
905722,593045,83,83,B3.2
905683,593065,84,84,B3.3
905640,593095,84,84,B3.4
905623,593104,80,80,B3.5
905616,593114,80,80,B3.6
905612,593129,80,80,B3.7
905595,593154,80,80,B3.8
B21 W. SIDE RESIDENCE NEAR R7.3,7,2,0,0
905795,592699,54.8,60.3,B21.1
905807,592703,54.5,60,B21.2
905805,592713,54.8,60.3,B21.3
905789,592713,54.8,60.3,B21.4
B4 NAT. BAR. NEAR R7.7,8,2,0,0
905769,592889,66,66,B4.1
905743,592902,73,73,B4.2
905706,592887,83,83,B4.3
B50 CENTER DIVIDER 612+00 TO 619+90,9,2,0,0
905921,592483,42.6,43.6,B50.1
905908,592583,43.2,44.2,B50.2
905896,592681,43.7,44.7,B50.3
905884,592781,44.2,45.2,B50.4
905872,592880,44.6,45.6,B50.5
905863,592950,44.8,45.8,B50.6
905854,593026,44.5,45.5,B50.7
905844,593098,43.5,44.5,B50.8
905829,593180,41.6,42.6,B50.9
905802,593266,39,40,B50.10
B51 CENTER DIVIDER 619+90 TO 627+00,10,2,0,0
905802,593266,39,40,B51.1

905771,593345,36.5,37.5,B51.2
905731,593424,33.8,34.8,B51.3
905686,593496,31.3,32.3,B51.4
905628,593569,28.5,29.5,B51.5
905557,593644,25.2,26.2,B51.6
905490,593716,22.2,23.2,B51.7
905420,593789,19.2,20.2,B51.8
905353,593863,16.1,17.1,B51.9
R,1,67,4
905778,592577,48.7,R7.1
R,2,67,4
905814,592622,48.3,R7.2
R,3,67,4
905804,592694,57.1,R7.3
R,4,67,4
905779,592750,61.3,R7.4
R,5,67,4
905795,592759,61.3,R7.5
R,6,67,4
905776,592819,68.1,R7.6
R,7,67,4
905704,592884,86.5,R7.7
R,8,67,4
905694,592967,86.2,R7.8
R,9,67,4
905694,592989,87.5,R7.9
R,10,67,4
905661,593034,89,R7.10
R,11,67,4
905609,593108,84.7,R7.11
D,4.5
ALL,ALL
C,C

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
07 LOMAS SANTA FE TO MANCHESTER,WEST - NO BUILD,0,FT

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	- 3.*								B52.4	363.8	
2	- 3.*								B52.5	327.6	
3	- 3.*								B52.6	327.2	
4	- 3.*								B52.7	327.2	
5	- 3.*								B52.8	393.2	
6	- 25.*								B20.1	74.2	
7	- 25.*								B20.2	168.6	
8	- 25.*								B20.3	48.4	
9	- 25.*								B20.4	25.6	
10	- 0.*								B1.1	207.2	
11	- 0.*								B1.2	109.3	
12	- 0.*								B1.3	305.1	
13	- 0.*								B1.4	253.1	
14	- 0.*								B1.5	236.5	
15	- 0.*								B1.6	234.5	
16	- 0.*								B1.7	134.7	
17	- 0.*								B1.8	87.6	
18	- 0.*								B1.9	97.9	
19	- 0.*								B30.1	62.4	
20	- 0.*								B30.2	38.6	
21	- 0.*								B2.1	141.7	
22	- 0.*								B2.2	167.9	
23	- 0.*								B2.3	231.7	
24	- 0.*								B2.4	27.8	
25	- 0.*								B2.5	105.3	
26	- 0.*								B2.6	130.2	
27	- 0.*								B2.7	230.8	
28	- 0.*								B2.8	158.9	
29	- 0.*								B2.9	127.2	
30	- 0.*								B2.10	122.7	
31	- 0.*								B2.11	190.3	
32	- 0.*								B2.12	237.8	
33	- 0.*								B3.1	58.1	
34	- 0.*								B3.2	143.9	
35	- 0.*								B3.3	172.0	
36	- 0.*								B3.4	64.4	
37	- 0.*								B3.5	40.1	

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38    -  0.*                    B3.6      50.9
39    -  0.*                    B3.7      99.2

40    - 18.*                    B21.1     41.4
41    - 18.*                    B21.2     33.5
42    - 18.*                    B21.3     52.5

43    -  0.*                    B4.1      98.1
44    -  0.*                    B4.2     135.0

45    -  3.*                    B50.1     330.8
46    -  3.*                    B50.2     324.0
47    -  3.*                    B50.3     330.4
48    -  3.*                    B50.4     327.2
49    -  3.*                    B50.5     231.5
50    -  3.*                    B50.6     251.2
51    -  3.*                    B50.7     238.5
52    -  3.*                    B50.8     273.5
53    -  3.*                    B50.9     295.9

54    -  3.*                    B51.1     278.5
55    -  3.*                    B51.2     290.6
56    -  3.*                    B51.3     278.7
57    -  3.*                    B51.4     306.0
58    -  3.*                    B51.5     339.0
59    -  3.*                    B51.6     322.8
60    -  3.*                    B51.7     331.9
61    -  3.*                    B51.8     327.7
-------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
-------------------------------
 1  R7.1      67.    500.   68.8
 2  R7.2      67.    500.   71.4
 3  R7.3      67.    500.   70.9
 4  R7.4      67.    500.   67.6
 5  R7.5      67.    500.   69.5
 6  R7.6      67.    500.   68.4
 7  R7.7      67.    500.   64.0
 8  R7.8      67.    500.   61.2
 9  R7.9      67.    500.   61.6
10  R7.10     67.    500.   61.8
11  R7.11     67.    500.   62.5
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 3. 3. 3. 3. 3.25.25.25.25. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.18.18.18. 0. 0. 3. 3. 3. 3. 3. 3.
 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
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07 Lomas Santa Fe to Manchester WEST, Build,Bld,Ft
T-L8 SB Outer Main Lane 606+80 to 615+00,1
4902,65,132,65,366,65
T-L18 SB Inner Main Lane 606+80 to 615+00,2
5268,65,132,65,0,65
T-L58 SB HOV 606+80 to 615+00,3
3000,65,0,65,0,65
T-L57 NB HOV 606+80 to 615+00,4
3000,65,0,65,0,65
T-L17 NB Inner Main Lane 606+80 to 615+00,5
5268,65,132,65,0,65
T-L7 NB Outer Main Lane 606+80 to 615+00,6
4902,65,132,65,366,65
T-L44 Lomas Santa Fe Dr. ON RAMP TO SB I-5,7
950,45,24,45,26,45
T-L46 SB OFF RAMP TO LOMAS SANTA FE ,8
950,45,24,45,26,45
T-L47 T-LOAMS SANTA FE DR ON RAMP TO NB 1-5,9
950,45,24,45,26,45
T-L45 SB Lomas on-ramp (loop),10
950,45,24,45,26,45
T-L10 SB OUTER MAIN LANE 615+00 TO 627+50,11
4902,65,132,65,366,65
T-L20 SB INNER MAIN LANE 615+00 TO 627+50,12
5268,65,132,65,0,65
T-L60 SB HOV 615+00 TO 627+50,13
3000,65,0,65,0,65
T-L59 NB HOV 615+00 TO 627+50,14
3000,65,0,65,0,65
T-L19 NB INNER MAIN LANE 615+00 TO 627+50,15
5268,65,132,65,0,65
T-L9 OUTER MAIN LANE 615+00 - 627+50,16
4902,65,132,65,366,65
L8 SB Outer Main Lane 606+80 to 615+00,1
N,905957,591953,40,L8.7,
N,905943,592063,40.6,L8.8,
N,905929,592161,41.1,L8.9,
N,905919,592260,41.4,L8.10,
N,905907,592361,41.9,L8.11,
N,905893,592478,42.6,L8.12,
N,905879,592578,43,L8.13,
N,905868,592679,43.5,L8.14,
N,905855,592776,43.9,L8.15,
L18 SB Inner Main Lane 606+80 to 615+00,2
N,905968,591954,40,L18.7,
N,905954,592064,40.6,L18.8,
N,905941,592163,41.1,L18.9,
N,905930,592262,41.4,L18.10,
N,905916,592362,41.9,L18.11
N,905902,592480,42.6,L18.12
N,905890,592579,43,L18.13
N,905879,592681,43.5,L18.14
N,905866,592778,43.9,L18.15
L58 SB INNER 606+80 to 615+00,3,
N,905977,591956,40.2,L58.7
N,905963,592065,40.8,L58.8

N,905951,592164,41.2,L58.9
N,905939,592263,41.6,L58.10
N,905927,592363,42.1,L58.11
N,905911,592482,42.6,L58.12
N,905900,592581,43.2,L58.13
N,905887,592680,43.7,L58.14
N,905876,592779,44.2,L58.15
L57 NB INNER 606+80 to 615+00,4,
N,905993,591959,40.2,L57.7
N,905980,592068,40.8,L57.8
N,905967,592168,41.2,L57.9
N,905955,592265,41.6,L57.10
N,905943,592365,42.1,L57.11
N,905928,592484,42.6,L57.12
N,905916,592583,43.2,L57.13
N,905904,592682,43.7,L57.14
N,905892,592782,44.1,L57.15
L17 NB Inner Main Lane 606+80 to 615+00,5,
N,906003,591961,40,L17.7
N,905989,592070,40.6,L17.8
N,905978,592169,41.1,L17.9
N,905965,592267,41.5,L17.10
N,905953,592367,42,L17.11
N,905939,592486,42.5,L17.12
N,905928,592585,43,L17.13
N,905914,592685,43.5,L17.14
N,905903,592783,44,L17.15
L7 NB Outer Main Lane 606+80 to 615+00,6,
N,906014,591962,40,L7.7
N,905998,592072,40.6,L7.8
N,905987,592170,41.1,L7.9
N,905974,592269,41.5,L7.10
N,905962,592369,42,L7.11
N,905949,592487,42.5,L7.12
N,905937,592586,43,L7.13
N,905925,592685,43.5,L7.14
N,905913,592785,44,L7.15
L44 Lomas Santa Fe Dr. ON RAMP TO SB I-5,7,
N,905957,591953,40,L44.1
N,905936,592061,40.6,L44.2
N,905930,592102,40,L44.3
N,905917,592180,39,L44.4
N,905906,592239,40.7,L44.5
N,905897,592278,40.2,L44.6
N,905885,592315,38.3,L44.7
N,905867,592351,36.2,L44.8
N,905840,592405,35.4,L44.9
L46 SB OFF RAMP TO LOMAS SANTA FE ,8,
N,905822,592442,35.8,L46.1
N,905844,592558,39.5,L46.2
N,905858,592638,42.2,L46.3
N,905856,592698,43,L46.4
N,905851,592775,43.9,L46.5
N,905842,592876,44.4,L46.6
L47 LOAMS SANTA FE DR ON RAMP TO NB 1-5,9,
N,906019,592426,36.2,L47.1

N,905999,592460,36.8,L47.2
N,905981,592494,39.3,L47.3
N,905964,592531,41.2,L47.4
N,905954,592569,41,L47.5
N,905942,592629,42.6,L47.6
N,905930,592707,43.1,L47.7
N,905918,592786,44,L47.8
N,905900,592883,49.5,L47.9
L45 SB Lomas on-ramp (loop),10,
N,905919,592260,41.4,L45.1
N,905908,592302,41.5,L45.2
N,905898,592378,41.6,L45.3
N,905886,592456,42.1,L45.4
N,905875,592495,41.4,L45.5
N,905857,592509,39.4,L45.6
N,905844,592483,36.5,L45.7
N,905832,592443,35.8,L45.8
L10 SB OUTER MAIN LANE 615+00 TO 627+50,11,
N,905855,592776,43.9,L10.1
N,905842,592876,44.4,L10.2
N,905834,592947,44.8,L10.3
N,905826,593022,44.4,L10.4
N,905817,593093,43.2,L10.5
N,905801,593170,41.3,L10.6
N,905776,593253,38.7,L10.7
N,905747,593328,36,L10.8
N,905710,593403,33.5,L10.9
N,905667,593471,31,L10.10
N,905608,593547,28,L10.11
N,905537,593625,25,L10.12
N,905468,593696,22,L10.13
N,905400,593770,19,L10.14
N,905331,593844,16,L10.15
L20 SB INNER MAIN LANE 615+00 TO 627+50,12,
N,905866,592778,43.9,L20.1
N,905853,592877,44.4,L20.2
N,905845,592948,44.8,L20.3
N,905836,593024,44.4,L20.4
N,905827,593095,43.2,L20.5
N,905812,593171,41.3,L20.6
N,905787,593257,38.7,L20.7
N,905756,593335,36,L20.8
N,905720,593408,33.5,L20.9
N,905676,593477,31,L20.10
N,905616,593555,28,L20.11
N,905544,593632,25,L20.12
N,905477,593704,22,L20.13
N,905406,593777,19,L20.14
N,905339,593850,16,L20.15
L60 SB HOV 615+00 TO 627+50,13,
N,905876,592779,44.2,L60.1
N,905864,592879,44.6,L60.2
N,905854,592949,44.8,L60.3
N,905846,593025,44.5,L60.4
N,905837,593098,43.5,L60.5
N,905822,593174,41.6,L60.6

N,905796,593260,39,L60.7
N,905765,593339,36.4,L60.8
N,905728,593413,33.8,L60.9
N,905683,593483,31.3,L60.10
N,905621,593562,28.3,L60.11
N,905551,593639,25.2,L60.12
N,905483,593711,22.2,L60.13
N,905413,593784,19.2,L60.14
N,905346,593857,16.2,L60.15
L59 NB HOV 615+00 TO 627+50,14,
N,905892,592782,44.1,L59.1
N,905880,592880,44.6,L59.2
N,905871,592952,44.8,L59.3
N,905862,593027,44.5,L59.4
N,905851,593109,43.5,L59.5
N,905837,593187,41.5,L59.6
N,905810,593272,39,L59.7
N,905778,593351,36.5,L59.8
N,905734,593438,33.7,L59.9
N,905687,593508,31.2,L59.10
N,905634,593573,28.6,L59.11
N,905563,593652,25.2,L59.12
N,905496,593722,22.2,L59.13
N,905426,593796,19.2,L59.14
N,905357,593869,16,L59.15
L19 NB INNER MAIN LANE 615+00 TO 627+50,15,
N,905903,592783,44,L19.1
N,905890,592881,49.5,L19.2
N,905882,592953,44.8,L19.3
N,905872,593029,44.4,L19.4
N,905861,593112,43.7,L19.5
N,905845,593190,42,L19.6
N,905819,593276,39.3,L19.7
N,905786,593356,36.7,L19.8
N,905740,593443,34,L19.9
N,905695,593513,31.5,L19.10
N,905642,593580,29,L19.11
N,905570,593658,25,L19.12
N,905502,593729,22,L19.13
N,905433,593803,19,L19.14
N,905365,593876,15.9,L19.15
L9 OUTER MAIN LANE 615+00 - 627+50,16,
N,905913,592785,44,L9.1
N,905900,592883,49.5,L9.2
N,905892,592955,44.8,L9.3
N,905883,593030,44.4,L9.4
N,905872,593115,43.7,L9.5
N,905856,593193,42,L9.6
N,905828,593279,39.3,L9.7
N,905795,593361,36.7,L9.8
N,905751,593446,34,L9.9
N,905703,593520,31.5,L9.10
N,905650,593588,29,L9.11
N,905578,593665,25,L9.12
N,905511,593737,22,L9.13
N,905442,593811,19,L9.14

N,905373,593884,15.9,L9.15,
B52 CENTER DIVIDER 606+80 - 612+00,1,2,0,0,
905986,591957,40.2,41.2,B52.4,
905972,592067,40.8,41.8,B52.5,
905959,592166,41.2,42.2,B52.6,
905947,592265,41.6,42.6,B52.7,
905935,592364,42.1,43.1,B52.8,
905921,592483,42.6,43.6,B52.9,
B20 W. SIDE BUILDING ALONG SB LOMAS SANT FE DR OFF RAMP,2,2,0,0,
905802,592462,39,46.6,B20.1,
905818,592478,39,46.6,B20.2,
905824,592529,41,48.6,B20.3,
905831,592542,40.8,48.4,B20.4,
905826,592548,40.7,48.3,B20.5,
B1 W. SIDE ALONG SOLANA HILL DR. ROW,3,2,0,0,
905833,592534,38.6,38.6,B1.1,
905844,592596,43.5,43.5,B1.2,
905848,592629,45.4,45.4,B1.3,
905834,592695,50,50,B1.3A,
905830,592720,52,52,B1.4,
905813,592795,58,58,B1.5,
B1 W. SIDE ALONG SOLANA HILL DR. ROW,4,2,0,0,
905813,592795,58,58,B1.5,
905793,592864,64,64,B1.6,
905772,592932,70.7,70.7,B1.7,
905755,592969,76,76,B1.8,
905744,592993,80,80,B1.9,
905734,593021,82.5,82.5,B1.10,
B30 W. SIDE ALONG SOLANA HILL DR. ROW,5,2,0,0,
905734,593021,82.5,82.5,B30.1,
905733,593040,83,83,B30.2,
905729,593051,82,82,B30.3,
B2 W. SIDE ALONG SOLANA HILL DR. NAT. BAR. IN FRONT OF B1,6,2,0,0,
905848,592629,45.4,45.4,B2.1,
905851,592672,48.4,48.4,B2.2,
905841,592722,52.4,52.4,B2.3,
905827,592791,58,58,B2.4,
905821,592797,58.5,58.5,B2.5,
905810,592827,61.2,61.2,B2.6,
B2 W. SIDE ALONG SOLANA HILL DR. NAT. BAR. IN FRONT OF B1,7,1,0,0,
905810,592827,61.2,61.2,B2.6,
905799,592865,64.5,64.5,B2.7,
905782,592933,70.5,70.5,B2.8,
905765,592978,76,76,B2.9,
905747,593012,81,81,B2.10,
905742,593049,82.9,82.9,B2.11,
905750,593105,70,70,B2.12,
905750,593177,62,62,B2.13,
B3 W. SIDE NEAR R7.10&11 NAT. BAR.,8,2,0,0,
905739,593040,82.2,82.2,B3.1,
905722,593045,83,83,B3.2,
905683,593065,84,84,B3.3,
905640,593095,84,84,B3.4,
905623,593104,80,80,B3.5,
905616,593114,80,80,B3.6,
905612,593129,80,80,B3.7,

905595,593154,80,80,B3.8,
B21 W. SIDE RESIDENCE NEAR R7.3,9,2,0,0,
905795,592699,54.8,60.3,B21.1,
905807,592703,54.5,60,B21.2,
905805,592713,54.8,60.3,B21.3,
905789,592713,54.8,60.3,B21.4,
B4 NAT. BAR. NEAR R7.7,10,2,0,0,
905769,592889,66,66,B4.1,
905743,592902,73,73,B4.2,
905706,592887,83,83,B4.3,
B50 CENTER DIVIDER 612+00 TO 619+90,11,2,0,0,
905921,592483,42.6,43.6,B50.1,
905908,592583,43.2,44.2,B50.2,
905896,592681,43.7,44.7,B50.3,
905884,592781,44.2,45.2,B50.4,
905872,592880,44.6,45.6,B50.5,
905863,592950,44.8,45.8,B50.6,
905854,593026,44.5,45.5,B50.7,
905844,593098,43.5,44.5,B50.8,
905829,593180,41.6,42.6,B50.9,
905802,593266,39,40,B50.10,
B51 CENTER DIVIDER 619+90 TO 627+00,12,2,0,0,
905802,593266,39,40,B51.1,
905771,593345,36.5,37.5,B51.2,
905731,593424,33.8,34.8,B51.3,
905686,593496,31.3,32.3,B51.4,
905628,593569,28.5,29.5,B51.5,
905557,593644,25.2,26.2,B51.6,
905490,593716,22.2,23.2,B51.7,
905420,593789,19.2,20.2,B51.8,
905353,593863,16.1,17.1,B51.9,
B100 Between Lomas & Manchester R.O.W.,13,2,0,0,
905681,593431,39.6,39.6,B100.1,
905657,593469,39,39,B100.2,
905596,593547,40.7,40.7,B100.3,
905549,593597,40.5,40.5,B100.4,
905517,593629,39.2,39.2,B100.5,
R,1,67,4
905778,592577,48.7,R7.1
R,2,67,4
905814,592622,48.3,R7.2
R,3,67,4
905804,592694,57.1,R7.3
R,4,67,4
905779,592750,61.3,R7.4
R,5,67,4
905795,592759,61.3,R7.5
R,6,67,4
905776,592819,68.1,R7.6
R,7,67,4
905704,592884,86.5,R7.7
R,8,67,4
905694,592967,86.2,R7.8
R,9,67,4
905694,592989,87.5,R7.9
R,10,67,4

905661,593034,89,R7.10
R,11,67,4
905609,593108,84.7,R7.11
D,4.5
ALL,ALL
C,C

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
07 LOMAS SANTA FE TO MANCHESTER WEST, BUILD,BLD,FT

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	-	3.*							B52.4	363.8	
2	-	3.*							B52.5	327.6	
3	-	3.*							B52.6	327.2	
4	-	3.*							B52.7	327.2	
5	-	3.*							B52.8	393.2	
6	-	25.*							B20.1	74.2	
7	-	25.*							B20.2	168.6	
8	-	25.*							B20.3	48.4	
9	-	25.*							B20.4	25.6	
10	-	0.*							B1.1	207.2	
11	-	0.*							B1.2	109.3	
12	-	0.*							B1.3	221.8	
13	-	0.*							B1.3A	83.3	
14	-	0.*							B1.4	253.1	
15	-	0.*							B1.5	236.5	
16	-	0.*							B1.6	234.5	
17	-	0.*							B1.7	134.7	
18	-	0.*							B1.8	87.6	
19	-	0.*							B1.9	97.9	
20	-	0.*							B30.1	62.4	
21	-	0.*							B30.2	38.6	
22	-	0.*							B2.1	141.7	
23	-	0.*							B2.2	167.9	
24	-	0.*							B2.3	231.7	
25	-	0.*							B2.4	27.8	
26	-	0.*							B2.5	105.3	
27	-	0.*							B2.6	130.2	
28	-	0.*							B2.7	230.8	
29	-	0.*							B2.8	158.9	
30	-	0.*							B2.9	127.2	
31	-	0.*							B2.10	122.7	
32	-	0.*							B2.11	190.3	
33	-	0.*							B2.12	237.8	
34	-	0.*							B3.1	58.1	
35	-	0.*							B3.2	143.9	
36	-	0.*							B3.3	172.0	

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37    -  0.*                    B3.4       64.4
38    -  0.*                    B3.5       40.1
39    -  0.*                    B3.6       50.9
40    -  0.*                    B3.7       99.2

41    - 18.*                    B21.1      41.4
42    - 18.*                    B21.2      33.5
43    - 18.*                    B21.3      52.5

44    -  0.*                    B4.1       98.1
45    -  0.*                    B4.2      135.0

46    -  3.*                    B50.1      330.8
47    -  3.*                    B50.2      324.0
48    -  3.*                    B50.3      330.4
49    -  3.*                    B50.4      327.2
50    -  3.*                    B50.5      231.5
51    -  3.*                    B50.6      251.2
52    -  3.*                    B50.7      238.5
53    -  3.*                    B50.8      273.5
54    -  3.*                    B50.9      295.9

55    -  3.*                    B51.1      278.5
56    -  3.*                    B51.2      290.6
57    -  3.*                    B51.3      278.7
58    -  3.*                    B51.4      306.0
59    -  3.*                    B51.5      339.0
60    -  3.*                    B51.6      322.8
61    -  3.*                    B51.7      331.9
62    -  3.*                    B51.8      327.7

63    -  0.*                    B100.1     147.5
64    -  0.*                    B100.2     324.9
65    -  0.*                    B100.3     225.1
66    -  0.*                    B100.4     148.6
-------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
---------------------------------
 1  R7.1      67.   500.   71.4
 2  R7.2      67.   500.   74.2
 3  R7.3      67.   500.   73.1
 4  R7.4      67.   500.   69.9
 5  R7.5      67.   500.   71.7
 6  R7.6      67.   500.   70.4
 7  R7.7      67.   500.   66.4
 8  R7.8      67.   500.   63.7
 9  R7.9      67.   500.   64.1
10  R7.10     67.   500.   64.1
11  R7.11     67.   500.   64.7
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
```

3. 3. 3. 3. 3.25.25.25.25. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.18.18.18. 0. 0. 3. 3. 3. 3. 3.
3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0.

07 Lomas Santa Fe to Manchester,EAST - No Build,0,Ft
T-L8 SB Outer Main Lane 606+80 to 615+00,1
0,65,0,65,0,65
T-L18 SB Inner Main Lane 606+80 to 615+00,2
3268,65,88,65,244,65
T-L58 SB INNER 606+80 to 615+00,3
3512,65,88,65,0,65
T-L57 NB INNER 606+80 to 615+00,4
3521,65,88,65,0,65
T-L17 NB Inner Main Lane 606+80 to 615+00,5
3268,65,88,65,244,65
T-L7 NB Outer Main Lane 606+80 to 615+00,6
0,65,0,65,0,65
T-L44 Lomas Santa Fe Dr. ON RAMP TO SB I-5,7
656,45,17,45,18,45
T-L46 SB OFF RAMP TO LOMAS SANTA FE ,8
798,45,20,45,22,45
T-L47 T-LOAMS SANTA FE DR ON RAMP TO NB 1-5,9
798,45,20,45,22,45
T-L10 SB OUTER MAIN LANE 615+00 TO 627+50,10
0,65,0,65,0,65
T-L20 SB INNER MAIN LANE 615+00 TO 627+50,11
3268,65,88,65,244,65
T-L60 SB INNER 615+00 TO 627+50,12
3521,65,88,65,0,65
T-L59 NB INNER 615+00 TO 627+50,13
3521,65,88,65,0,65
T-L19 NB INNER MAIN LANE 615+00 TO 627+50,14
3268,65,88,65,244,65
T-L9 OUTER MAIN LANE 615+00 - 627+50,15
0,65,0,65,0,65
L8 SB Outer Main Lane 606+80 to 615+00,1
N,905957,591953,40,L8.7
N,905943,592063,40.6,L8.8
N,905929,592161,41.1,L8.9
N,905919,592260,41.4,L8.10
N,905907,592361,41.9,L8.11
N,905893,592478,42.6,L8.12
N,905879,592578,43,L8.13
N,905868,592679,43.5,L8.14
N,905855,592776,43.9,L8.15
L18 SB Inner Main Lane 606+80 to 615+00,2,
N,905968,591954,40,L18.7
N,905954,592064,40.6,L18.8
N,905941,592163,41.1,L18.9
N,905930,592262,41.4,L18.10
N,905916,592362,41.9,L18.11
N,905902,592480,42.6,L18.12
N,905890,592579,43,L18.13
N,905879,592681,43.5,L18.14
N,905866,592778,43.9,L18.15
L58 SB HOV 606+80 to 615+00,3,
N,905977,591956,40.2,L58.7
N,905963,592065,40.8,L58.8
N,905951,592164,41.2,L58.9
N,905939,592263,41.6,L58.10

N,905927,592363,42.1,L58.11
N,905911,592482,42.6,L58.12
N,905900,592581,43.2,L58.13
N,905887,592680,43.7,L58.14
N,905876,592779,44.2,L58.15
L57 NB HOV 606+80 to 615+00,4,
N,905993,591959,40.2,L57.7
N,905980,592068,40.8,L57.8
N,905967,592168,41.2,L57.9
N,905955,592265,41.6,L57.10
N,905943,592365,42.1,L57.11
N,905928,592484,42.6,L57.12
N,905916,592583,43.2,L57.13
N,905904,592682,43.7,L57.14
N,905892,592782,44.1,L57.15
L17 NB Inner Main Lane 606+80 to 615+00,5,
N,906003,591961,40,L17.7
N,905989,592070,40.6,L17.8
N,905978,592169,41.1,L17.9
N,905965,592267,41.5,L17.10
N,905953,592367,42,L17.11
N,905939,592486,42.5,L17.12
N,905928,592585,43,L17.13
N,905914,592685,43.5,L17.14
N,905903,592783,44,L17.15
L7 NB Outer Main Lane 606+80 to 615+00,6,
N,906014,591962,40,L7.7
N,905998,592072,40.6,L7.8
N,905987,592170,41.1,L7.9
N,905974,592269,41.5,L7.10
N,905962,592369,42,L7.11
N,905949,592487,42.5,L7.12
N,905937,592586,43,L7.13
N,905925,592685,43.5,L7.14
N,905913,592785,44,L7.15
L44 Lomas Santa Fe Dr. ON RAMP TO SB I-5,7,
N,905957,591953,40,L44.1
N,905936,592061,40.6,L44.2
N,905930,592102,40,L44.3
N,905917,592180,39,L44.4
N,905906,592239,40.7,L44.5
N,905897,592278,40.2,L44.6
N,905885,592315,38.3,L44.7
N,905867,592351,36.2,L44.8
N,905840,592405,35.4,L44.9
L46 SB OFF RAMP TO LOMAS SANTA FE ,8,
N,905818,592443,35.8,L46.1
N,905826,592482,36.4,L46.2
N,905838,592540,38.7,L46.3
N,905850,592600,41.1,L46.4
N,905857,592658,42.6,L46.5
N,905854,592738,43.3,L46.6
N,905850,592794,44,L46.7
N,905842,592876,44.4,L46.8
L47 LOAMS SANTA FE DR ON RAMP TO NB 1-5,9,
N,906019,592426,36.2,L47.1

N,905999,592460,36.8,L47.2
N,905981,592494,39.3,L47.3
N,905964,592531,41.2,L47.4
N,905954,592569,41,L47.5
N,905942,592629,42.6,L47.6
N,905930,592707,43.1,L47.7
N,905918,592786,44,L47.8
N,905900,592883,49.5,L47.9
L10 SB OUTER MAIN LANE 615+00 TO 627+50,10,
N,905855,592776,43.9,L10.1
N,905842,592876,44.4,L10.2
N,905834,592947,44.8,L10.3
N,905826,593022,44.4,L10.4
N,905817,593093,43.2,L10.5
N,905801,593170,41.3,L10.6
N,905776,593253,38.7,L10.7
N,905747,593328,36,L10.8
N,905710,593403,33.5,L10.9
N,905667,593471,31,L10.10
N,905608,593547,28,L10.11
N,905537,593625,25,L10.12
N,905468,593696,22,L10.13
N,905400,593770,19,L10.14
N,905331,593844,16,L10.15
L20 SB INNER MAIN LANE 615+00 TO 627+50,11,
N,905866,592778,43.9,L20.1
N,905853,592877,44.4,L20.2
N,905845,592948,44.8,L20.3
N,905836,593024,44.4,L20.4
N,905827,593095,43.2,L20.5
N,905812,593171,41.3,L20.6
N,905787,593257,38.7,L20.7
N,905756,593335,36,L20.8
N,905720,593408,33.5,L20.9
N,905676,593477,31,L20.10
N,905616,593555,28,L20.11
N,905544,593632,25,L20.12
N,905477,593704,22,L20.13
N,905406,593777,19,L20.14
N,905339,593850,16,L20.15
L60 SB HOV 615+00 TO 627+50,12,
N,905876,592779,44.2,L60.1
N,905864,592879,44.6,L60.2
N,905854,592949,44.8,L60.3
N,905846,593025,44.5,L60.4
N,905837,593098,43.5,L60.5
N,905822,593174,41.6,L60.6
N,905796,593260,39,L60.7
N,905765,593339,36.4,L60.8
N,905728,593413,33.8,L60.9
N,905683,593483,31.3,L60.10
N,905621,593562,28.3,L60.11
N,905551,593639,25.2,L60.12
N,905483,593711,22.2,L60.13
N,905413,593784,19.2,L60.14
N,905346,593857,16.2,L60.15

L59 NB HOV 615+00 TO 627+50,13,
N,905892,592782,44.1,L59.1
N,905880,592880,44.6,L59.2
N,905871,592952,44.8,L59.3
N,905862,593027,44.5,L59.4
N,905851,593109,43.5,L59.5
N,905837,593187,41.5,L59.6
N,905810,593272,39,L59.7
N,905778,593351,36.5,L59.8
N,905734,593438,33.7,L59.9
N,905687,593508,31.2,L59.10
N,905634,593573,28.6,L59.11
N,905563,593652,25.2,L59.12
N,905496,593722,22.2,L59.13
N,905426,593796,19.2,L59.14
N,905357,593869,16,L59.15
L19 NB INNER MAIN LANE 615+00 TO 627+50,14,
N,905903,592783,44,L19.1
N,905890,592881,49.5,L19.2
N,905882,592953,44.8,L19.3
N,905872,593029,44.4,L19.4
N,905861,593112,43.7,L19.5
N,905845,593190,42,L19.6
N,905819,593276,39.3,L19.7
N,905786,593356,36.7,L19.8
N,905740,593443,34,L19.9
N,905695,593513,31.5,L19.10
N,905642,593580,29,L19.11
N,905570,593658,25,L19.12
N,905502,593729,22,L19.13
N,905433,593803,19,L19.14
N,905365,593876,15.9,L19.15
L9 OUTER MAIN LANE 615+00 - 627+50,15,
N,905913,592785,44,L9.1
N,905900,592883,49.5,L9.2
N,905892,592955,44.8,L9.3
N,905883,593030,44.4,L9.4
B52 CENTER DIVIDER 606+80 - 612+00,1,2,0,0
905986,591957,40.2,41.2,B52.4
905972,592067,40.8,41.8,B52.5
905959,592166,41.2,42.2,B52.6
905947,592265,41.6,42.6,B52.7
905935,592364,42.1,43.1,B52.8
905921,592483,42.6,43.6,B52.9
B25 E. SIDE BUILDING NEAR R7.12,2,2,0,0
906000,592580,37.4,45,B25.1
905965,592561,37,44.6,B25.2
B5 E SIDE NEAR R7.12 THRU R7.15 ROW,3,2,0,0
905965,592561,37,40.7,B5.1
905954,592610,40.6,44.3,B5.2
905948,592636,44,47.7,B5.3
905944,592661,48,51.7,B5.4
905939,592691,48.6,52.3,B5.5
905937,592720,50,53.7,B5.6
B5 E SIDE NEAR R7.12 THRU R7.15 ROW,4,2,0,0
905937,592720,50,50,B5.6

905947,592731,52,52,B5.7
905941,592768,53.5,53.5,B5.8
905933,592828,56.5,56.5,B5.9
905932,592837,57,57,B5.10
B31 E. SIDE NEAR R7.15 THRU R7.21 NAT. BAR.,5,2,0,0
905945,592915,62,62,B31.1
905934,592928,64,64,B31.2
905936,592949,67,67,B31.3
905936,592977,68,68,B31.4
905939,593009,72,72,B31.5
905946,593035,74.2,74.2,B31.6
B6 E. SIDE NEAR R7.15 THRU R7.21 Private Property,6,2,0,0
905975,592939,65,67.4,B6.4B
905945,592953,66,68.4,B6.4A
B6 E. SIDE NEAR R7.15 THRU R7.21 ROW,6,2,0,0
905932,592837,57,57,B6.1
905940,592860,59,59,B6.2
905944,592870,61.5,61.5,B6.3
905945,592915,62,62,B6.4
905945,592953,66,68.4,B6.4A
905949,592972,67.2,67.2,B6.5
905946,593035,74.2,74.2,B6.6
B6 E. SIDE NEAR R7.15 THRU R7.21 ROW,7,2,0,0
905946,593035,74.2,74.2,B6.6
905944,593081,76.6,76.6,B6.7
905941,593104,76.6,76.6,B6.8
905930,593132,71.5,71.5,B6.8
905933,593144,69.5,69.5,B6.9
905917,593173,64.9,64.9,B6.9A
905911,593196,62.3,62.3,B6.10
B15 E. SIDE NAT. BAR. NEAR R7.15 THRU R7.17,8,2,0,0
905933,592828,56.5,56.5,B15.1
905950,592858,56.5,56.5,B15.2
905956,592887,56.5,56.5,B15.3
905956,592904,56.5,56.5,B15.4
905962,592912,56.5,56.5,B15.5
905971,592915,56.5,56.5,B15.6
905986,592906,56.5,56.5,B15.7
B7 E. SIDE NEAR R7.22 THRU R7.30 ROW,9,2,0,0
905911,593196,62.3,62.3,B7.1
905886,593232,57.5,57.5,B7.1A
905870,593267,54,54,B7.2
905849,593301,50,50,B7.3
905815,593355,44,44,B7.4
905812,593343,44,44,B7.4A
B7 E. SIDE NEAR R7.22 THRU R7.30 ROW,10,2,0,0
905812,593343,44,44,B7.4A
905798,593374,40.5,40.5,B7.5
905789,593392,40.5,40.5,B7.6
905770,593427,39.5,39.5,B7.6A
905747,593473,37,37,B7.7
905711,593525,30,30,B7.8
905689,593555,26,26,B7.9
905651,593629,16,16,B7.10
B9 E. SIDE NAT. BAR NEAR R7.21&R7.22,11,1,0,0
905946,593035,74.2,74.2,B9.1

905950,593082,74.5,74.5,B9.2
905946,593104,74,74,B9.3
905933,593144,69.5,69.5,B9.4
B17 SHOULDER/RETAING WALL,12,2,0,0
905689,593555,26,26,B17.1
905656,593594,22,22,B17.2
905619,593634,20.3,20.3,B17.3
905583,593672,18,18,B17.4
905551,593707,17,17,B17.5
905518,593743,15.5,15.5,B17.6
905447,593817,12.5,12.5,B17.7
905378,593889,10,10,B17.8
B50 CENTER DIVIDER 612+00 TO 619+90,13,2,0,0
905921,592483,42.6,43.6,B50.1
905908,592583,43.2,44.2,B50.2
905896,592681,43.7,44.7,B50.3
905884,592781,44.2,45.2,B50.4
905872,592880,44.6,45.6,B50.5
905863,592950,44.8,45.8,B50.6
905854,593026,44.5,45.5,B50.7
905844,593098,43.5,44.5,B50.8
905829,593180,41.6,42.6,B50.9
905802,593266,39,40,B50.10
B51 CENTER DIVIDER 619+90 TO 627+00,14,2,0,0
905802,593266,39,40,B51.1
905771,593345,36.5,37.5,B51.2
905731,593424,33.8,34.8,B51.3
905686,593496,31.3,32.3,B51.4
905628,593569,28.5,29.5,B51.5
905557,593644,25.2,26.2,B51.6
905490,593716,22.2,23.2,B51.7
905420,593789,19.2,20.2,B51.8
905353,593863,16.1,17.1,B51.9
B40 No Build ROW 619+90 TO 627+00,15,2,0,0
905872,593115,43.7,43.7,B40.5
905856,593193,42,42,B40.6
905828,593279,39.3,39.3,B40.7
905795,593361,36.7,36.7,B40.8
905751,593446,34,34,B40.9
905703,593520,31.5,31.5,B40.10
905650,593588,29,29,B40.11
905578,593665,25,25,B40.12
905511,593737,22,22,B40.13
R,12,67,4
905958,592618,42.3,R7.12
R,13,67,4
905957,592697,48.3,R7.13
R,14,67,4
905949,592784,55,R7.14
R,15,67,4
905957,592872,57.7,R7.15
R,16,67,4
905965,592908,57.9,R7.16
R,17,67,4
905988,592929,64.9,R7.17
R,18,67,4

905961,592952,67.3,R7.18
R,19,67,4
905957,593008,71,R7.19
R,20,67,4
905953,593070,75.3,R7.20
R,21,67,4
905939,593135,73.6,R7.21
R,21,67,4
905960,593173,68.5,R7.21A
R,22,67,4
905904,593230,62.9,R7.22
R,23,67,4
905873,593290,57.7,R7.23
R,24,67,4
905852,593322,53.1,R7.24
R,25,67,4
905823,593367,47.7,R7.25
R,26,67,4
905797,593408,42.2,R7.26
R,27,67,4
905779,593449,35.7,R7.27
R,28,67,4
905742,593507,29.2,R7.28
R,29,67,4
905714,593550,23.6,R7.29
R,30,67,4
905675,593611,18.1,R7.30
R,31,67,4
905633,593672,16.5,R7.31
R,32,67,4
905697,593692,16.1,R7.32
D,4.5
ALL,ALL
C,C

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
07 LOMAS SANTA FE TO MANCHESTER,EAST - NO BUILD,0,FT

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	-	3.*							B52.4	363.8	
2	-	3.*							B52.5	327.6	
3	-	3.*							B52.6	327.2	
4	-	3.*							B52.7	327.2	
5	-	3.*							B52.8	393.2	
6	-	25.*							B25.1	130.6	
7	-	12.*							B5.1	165.1	
8	-	12.*							B5.2	88.3	
9	-	12.*							B5.3	84.2	
10	-	12.*							B5.4	99.8	
11	-	12.*							B5.5	95.4	
12	-	0.*							B5.6	49.2	
13	-	0.*							B5.7	123.1	
14	-	0.*							B5.8	198.9	
15	-	0.*							B5.9	29.7	
16	-	0.*							B31.1	56.2	
17	-	0.*							B31.2	69.9	
18	-	0.*							B31.3	92.0	
19	-	0.*							B31.4	106.3	
20	-	0.*							B31.5	88.6	
21	-	8.*							B6.4B	108.7	
22	-	0.*							B6.1	80.1	
23	-	0.*							B6.2	36.3	
24	-	0.*							B6.3	147.7	
25	-	4.*							B6.4	126.5	
26	-	4.*							B6.4A	63.8	
27	-	0.*							B6.5	208.2	
28	-	0.*							B6.6	151.3	
29	-	0.*							B6.7	76.1	
30	-	0.*							B6.8	100.0	
31	-	0.*							B6.8	41.1	
32	-	0.*							B6.9	109.7	
33	-	0.*							B6.9A	78.5	
34	-	0.*							B15.1	113.1	
35	-	0.*							B15.2	97.1	

36	-	0.*	B15.3	55.8
37	-	0.*	B15.4	32.8
38	-	0.*	B15.5	31.1
39	-	0.*	B15.6	57.4
40	-	0.*	B7.1	144.7
41	-	0.*	B7.1A	126.7
42	-	0.*	B7.2	131.8
43	-	0.*	B7.3	210.3
44	-	0.*	B7.4	40.6
45	-	0.*	B7.4A	112.2
46	-	0.*	B7.5	66.0
47	-	0.*	B7.6	130.7
48	-	0.*	B7.6A	168.9
49	-	0.*	B7.7	208.8
50	-	0.*	B7.8	122.7
51	-	0.*	B7.9	274.9
52	-	0.*	B9.1	154.8
53	-	0.*	B9.2	73.4
54	-	0.*	B9.3	138.8
55	-	0.*	B17.1	168.2
56	-	0.*	B17.2	178.8
57	-	0.*	B17.3	171.9
58	-	0.*	B17.4	155.6
59	-	0.*	B17.5	160.2
60	-	0.*	B17.6	336.7
61	-	0.*	B17.7	327.2
62	-	3.*	B50.1	330.8
63	-	3.*	B50.2	324.0
64	-	3.*	B50.3	330.4
65	-	3.*	B50.4	327.2
66	-	3.*	B50.5	231.5
67	-	3.*	B50.6	251.2
68	-	3.*	B50.7	238.5
69	-	3.*	B50.8	273.5
70	-	3.*	B50.9	295.9
71	-	3.*	B51.1	278.5
72	-	3.*	B51.2	290.6
73	-	3.*	B51.3	278.7
74	-	3.*	B51.4	306.0
75	-	3.*	B51.5	339.0
76	-	3.*	B51.6	322.8
77	-	3.*	B51.7	331.9
78	-	3.*	B51.8	327.7
79	-	0.*	B40.5	261.3
80	-	0.*	B40.6	296.8
81	-	0.*	B40.7	290.1
82	-	0.*	B40.8	314.2
83	-	0.*	B40.9	289.5
84	-	0.*	B40.10	282.9

```
85    -  0.*                        B40.11    346.1
86    -  0.*                        B40.12    322.8
-------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
--------------------------------
 1  REC 1     67.    500.   67.1
 2  REC 2     67.    500.   65.7
 3  REC 3     67.    500.   71.7
 4  REC 4     67.    500.   64.1
 5  REC 5     67.    500.   61.8
 6  REC 6     67.    500.   63.2
 7  R7.18     67.    500.   63.5
 8  R7.19     67.    500.   63.4
 9  R7.20     67.    500.   63.1
10  R7.21     67.    500.   69.5
11  R7.21A    67.    500.   63.1
12  R7.22     67.    500.   71.9
13  R7.23     67.    500.   73.3
14  R7.24     67.    500.   73.9
15  R7.25     67.    500.   74.7
16  R7.26     67.    500.   74.4
17  R7.27     67.    500.   67.4
18  R7.28     67.    500.   68.2
19  R7.29     67.    500.   68.2
20  R7.30     67.    500.   66.9
21  R7.31     67.    500.   68.1
22  R7.32     67.    500.   66.5
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 3. 3. 3. 3. 3.25.12.12.12.12.12. 0. 0. 0. 0. 0. 0. 0. 0. 0. 8. 0. 0. 0. 4.
 4. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0.
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07 Lomas Santa Fe to Manchester EAST - Build,Build,BLD,Ft
T-L8 SB Outer Main Lane 606+80 to 615+00,1
4902,65,132,65,366,65
T-L18 SB Inner Main Lane 606+80 to 615+00,2
5268,65,132,65,0,65
T-L58 SB HOV 606+80 to 615+00,3
3000,65,0,65,0,65
T-L57 NB HOV 606+80 to 615+00,4
3000,65,0,65,0,65
T-L17 NB Inner Main Lane 606+80 to 615+00,5
5268,65,132,65,0,65
T-L7 NB Outer Main Lane 606+80 to 615+00,6
4902,65,132,65,366,65
T-L44 Lomas Santa Fe Dr. ON RAMP TO SB I-5,7
950,45,24,45,26,45
T-L46 SB OFF RAMP TO LOMAS SANTA FE ,8
950,45,24,45,26,45
T-L47 T-LOAMS SANTA FE DR ON RAMP TO NB 1-5,9
950,45,24,45,26,45
T-L45 SB LOMAS SANTA FE ON-RAMP(LOOP),10
950,45,24,45,26,45
T-L10 SB OUTER MAIN LANE 615+00 TO 627+50,11
4902,65,132,65,366,65
T-L20 SB INNER MAIN LANE 615+00 TO 627+50,12
5268,65,132,65,0,65
T-L60 SB HOV 615+00 TO 627+50,13
3000,65,0,65,0,65
T-L59 NB HOV 615+00 TO 627+50,14
3000,65,0,65,0,65
T-L19 NB INNER MAIN LANE 615+00 TO 627+50,15
5268,65,132,65,0,65
T-L9 OUTER MAIN LANE 615+00 - 627+50,16
4902,65,132,65,366,65
L8 SB Outer Main Lane 606+80 to 615+00,1
N,905957,591953,40,L8.7,
N,905943,592063,40.6,L8.8,
N,905929,592161,41.1,L8.9,
N,905919,592260,41.4,L8.10,
N,905907,592361,41.9,L8.11,
N,905893,592478,42.6,L8.12,
N,905879,592578,43,L8.13,
N,905868,592679,43.5,L8.14,
N,905855,592776,43.9,L8.15,
L18 SB Inner Main Lane 606+80 to 615+00,2
N,905968,591954,40,L18.7,
N,905954,592064,40.6,L18.8,
N,905941,592163,41.1,L18.9,
N,905930,592262,41.4,L18.10,
N,905916,592362,41.9,L18.11
N,905902,592480,42.6,L18.12
N,905890,592579,43,L18.13
N,905879,592681,43.5,L18.14
N,905866,592778,43.9,L18.15
L58 SB HOV 606+80 to 615+00,3,
N,905977,591956,40.2,L58.7
N,905963,592065,40.8,L58.8

N,905951,592164,41.2,L58.9
N,905939,592263,41.6,L58.10
N,905927,592363,42.1,L58.11
N,905911,592482,42.6,L58.12
N,905900,592581,43.2,L58.13
N,905887,592680,43.7,L58.14
N,905876,592779,44.2,L58.15
L57 NB HOV 606+80 to 615+00,4,
N,905993,591959,40.2,L57.7
N,905980,592068,40.8,L57.8
N,905967,592168,41.2,L57.9
N,905955,592265,41.6,L57.10
N,905943,592365,42.1,L57.11
N,905928,592484,42.6,L57.12
N,905916,592583,43.2,L57.13
N,905904,592682,43.7,L57.14
N,905892,592782,44.1,L57.15
L17 NB Inner Main Lane 606+80 to 615+00,5,
N,906003,591961,40,L17.7
N,905989,592070,40.6,L17.8
N,905978,592169,41.1,L17.9
N,905965,592267,41.5,L17.10
N,905953,592367,42,L17.11
N,905939,592486,42.5,L17.12
N,905928,592585,43,L17.13
N,905914,592685,43.5,L17.14
N,905903,592783,44,L17.15
L7 NB Outer Main Lane 606+80 to 615+00,6,
N,906014,591962,40,L7.7
N,905998,592072,40.6,L7.8
N,905987,592170,41.1,L7.9
N,905974,592269,41.5,L7.10
N,905962,592369,42,L7.11
N,905949,592487,42.5,L7.12
N,905937,592586,43,L7.13
N,905925,592685,43.5,L7.14
N,905913,592785,44,L7.15
L44 Lomas Santa Fe Dr. ON RAMP TO SB I-5,7,
N,905957,591953,40,L44.1
N,905936,592061,40.6,L44.2
N,905930,592102,40,L44.3
N,905917,592180,39,L44.4
N,905906,592239,40.7,L44.5
N,905897,592278,40.2,L44.6
N,905885,592315,38.3,L44.7
N,905867,592351,36.2,L44.8
N,905840,592405,35.4,L44.9
L46 SB OFF RAMP TO LOMAS SANTA FE ,8,
N,905822,592442,35.8,L46.1
N,905844,592558,39.5,L46.2
N,905858,592638,42.2,L46.3
N,905856,592698,43,L46.4
N,905851,592775,43.9,L46.5
N,905842,592876,44.4,L46.6
L47 LOAMS SANTA FE DR ON RAMP TO NB 1-5,9,
N,906019,592426,36.2,L47.1

N,905999,592460,36.8,L47.2
N,905981,592494,39.3,L47.3
N,905964,592531,41.2,L47.4
N,905954,592569,41,L47.5
N,905942,592629,42.6,L47.6
N,905930,592707,43.1,L47.7
N,905918,592786,44,L47.8
N,905900,592883,49.5,L47.9
L45 LOMAS SANTA FE ON-RAMP(LOOP),10,
N,905919,592260,41.4,L45.1
N,905908,592302,41.5,L45.2
N,905898,592378,41.6,L45.3
N,905886,592456,42.1,L45.4
N,905875,592495,41.4,L45.5
N,905857,592509,39.4,L45.6
N,905844,592483,36.5,L45.7
N,905832,592443,35.8,L45.8
L10 SB OUTER MAIN LANE 615+00 TO 627+50,11,
N,905855,592776,43.9,L10.1
N,905842,592876,44.4,L10.2
N,905834,592947,44.8,L10.3
N,905826,593022,44.4,L10.4
N,905817,593093,43.2,L10.5
N,905801,593170,41.3,L10.6
N,905776,593253,38.7,L10.7
N,905747,593328,36,L10.8
N,905710,593403,33.5,L10.9
N,905667,593471,31,L10.10
N,905608,593547,28,L10.11
N,905537,593625,25,L10.12
N,905468,593696,22,L10.13
N,905400,593770,19,L10.14
N,905331,593844,16,L10.15
L20 SB INNER MAIN LANE 615+00 TO 627+50,12,
N,905866,592778,43.9,L20.1
N,905853,592877,44.4,L20.2
N,905845,592948,44.8,L20.3
N,905836,593024,44.4,L20.4
N,905827,593095,43.2,L20.5
N,905812,593171,41.3,L20.6
N,905787,593257,38.7,L20.7
N,905756,593335,36,L20.8
N,905720,593408,33.5,L20.9
N,905676,593477,31,L20.10
N,905616,593555,28,L20.11
N,905544,593632,25,L20.12
N,905477,593704,22,L20.13
N,905406,593777,19,L20.14
N,905339,593850,16,L20.15
L60 SB HOV 615+00 TO 627+50,13,
N,905876,592779,44.2,L60.1
N,905864,592879,44.6,L60.2
N,905854,592949,44.8,L60.3
N,905846,593025,44.5,L60.4
N,905837,593098,43.5,L60.5
N,905822,593174,41.6,L60.6

N,905796,593260,39,L60.7
N,905765,593339,36.4,L60.8
N,905728,593413,33.8,L60.9
N,905683,593483,31.3,L60.10
N,905621,593562,28.3,L60.11
N,905551,593639,25.2,L60.12
N,905483,593711,22.2,L60.13
N,905413,593784,19.2,L60.14
N,905346,593857,16.2,L60.15
L59 NB HOV 615+00 TO 627+50,14,
N,905892,592782,44.1,L59.1
N,905880,592880,44.6,L59.2
N,905871,592952,44.8,L59.3
N,905862,593027,44.5,L59.4
N,905851,593109,43.5,L59.5
N,905837,593187,41.5,L59.6
N,905810,593272,39,L59.7
N,905778,593351,36.5,L59.8
N,905734,593438,33.7,L59.9
N,905687,593508,31.2,L59.10
N,905634,593573,28.6,L59.11
N,905563,593652,25.2,L59.12
N,905496,593722,22.2,L59.13
N,905426,593796,19.2,L59.14
N,905357,593869,16,L59.15
L19 NB INNER MAIN LANE 615+00 TO 627+50,15,
N,905903,592783,44,L19.1
N,905890,592881,49.5,L19.2
N,905882,592953,44.8,L19.3
N,905872,593029,44.4,L19.4
N,905861,593112,43.7,L19.5
N,905845,593190,42,L19.6
N,905819,593276,39.3,L19.7
N,905786,593356,36.7,L19.8
N,905740,593443,34,L19.9
N,905695,593513,31.5,L19.10
N,905642,593580,29,L19.11
N,905570,593658,25,L19.12
N,905502,593729,22,L19.13
N,905433,593803,19,L19.14
N,905365,593876,15.9,L19.15
L9 OUTER MAIN LANE 615+00 - 627+50,16,
N,905913,592785,44,L9.1
N,905900,592883,49.5,L9.2
N,905892,592955,44.8,L9.3
N,905883,593030,44.4,L9.4
N,905872,593115,43.7,L9.5
N,905856,593193,42,L9.6
N,905828,593279,39.3,L9.7
N,905795,593361,36.7,L9.8
N,905751,593446,34,L9.9
N,905703,593520,31.5,L9.10
N,905650,593588,29,L9.11
N,905578,593665,25,L9.12
N,905511,593737,22,L9.13
N,905442,593811,19,L9.14

N,905373,593884,15.9,L9.15,
B52 CENTER DIVIDER 606+80 - 612+00,1,2,0,0,
905986,591957,40.2,41.2,B52.4,
905972,592067,40.8,41.8,B52.5,
905959,592166,41.2,42.2,B52.6,
905947,592265,41.6,42.6,B52.7,
905935,592364,42.1,43.1,B52.8,
905921,592483,42.6,43.6,B52.9,
B25 E. SIDE BUILDING NEAR R7.12,2,2,0,0,
906000,592580,37.4,45,B25.1,
905965,592561,37,44.6,B25.2,
B5 E SIDE NEAR R7.12 THRU R7.15 ROW,3,2,0,0,
905965,592561,37,40.7,B5.1,
905954,592610,40.6,44.3,B5.2,
905948,592636,44,47.7,B5.3,
905944,592661,48,51.7,B5.4,
905939,592691,48.6,52.3,B5.5,
905937,592720,50,53.7,B5.6,
B5 E SIDE NEAR R7.12 THRU R7.15 ROW,4,2,0,0,
905937,592720,50,50,B5.6,
905947,592731,52,52,B5.7,
905941,592768,53.5,53.5,B5.8,
905933,592828,56.5,56.5,B5.9,
905932,592837,57,57,B5.10,
B31 E. SIDE NEAR R7.15 THRU R7.21 NAT. BAR.,5,2,0,0,
905945,592915,62,62,B31.1,
905934,592928,64,64,B31.2,
905936,592949,67,67,B31.3,
905936,592977,68,68,B31.4,
905939,593009,72,72,B31.5,
905946,593035,74.2,74.2,B31.6,
B6 E. SIDE NEAR R7.15 THRU R7.21 Private Property,6,2,0,0,
905975,592939,65,65,B6.4B,
905945,592953,66,66,B6.4A,
B6 E. SIDE NEAR R7.15 THRU R7.21 ROW,7,2,0,0,
905932,592837,57,57,B6.1,
905940,592860,59,59,B6.2,
905944,592870,61.5,61.5,B6.3,
905945,592915,62,62,B6.4,
905945,592953,66,66,B6.4A,
905949,592972,67.2,67.2,B6.5,
905946,593035,74.2,74.2,B6.6,
B6 E. SIDE NEAR R7.15 THRU R7.21 ROW,8,2,0,0,
905946,593035,74.2,74.2,B6.6,
905944,593081,76.6,76.6,B6.7,
905941,593104,76.6,76.6,B6.8,
905930,593132,71.5,71.5,B6.8,
905933,593144,69.5,69.5,B6.9,
905917,593173,64.9,64.9,B6.9A,
905911,593196,62.3,62.3,B6.10,
B15 E. SIDE NAT. BAR. NEAR R7.15 THRU R7.17,9,2,0,0,
905933,592828,56.5,56.5,B15.1,
905950,592858,56.5,56.5,B15.2,
905956,592887,56.5,56.5,B15.3,
905956,592904,56.5,56.5,B15.4,
905962,592912,56.5,56.5,B15.5,

905971,592915,56.5,56.5,B15.6,
905986,592906,56.5,56.5,B15.7,
B7 E. SIDE NEAR R7.22 THRU R7.30 ROW,10,2,0,0,
905911,593196,62.3,62.3,B7.1,
905886,593232,57.5,57.5,B7.1A,
905870,593267,54,54,B7.2,
905849,593301,50,50,B7.3,
905815,593355,44,44,B7.4,
905812,593343,44,44,B7.4A,
B7 E. SIDE NEAR R7.22 THRU R7.30 ROW,11,2,0,0,
905812,593343,44,44,B7.4A,
905798,593374,40.5,40.5,B7.5,
905789,593392,40.5,40.5,B7.6,
905770,593427,39.5,39.5,B7.6A,
905747,593473,37,37,B7.7,
905711,593525,31.5,31.5,B7.8,
905711,593525,31.5,32.4,B7.8,
905689,593555,30.5,31.4,B7.9,
B9 E. SIDE NAT. BAR NEAR R7.21&R7.22,12,1,0,0,
905946,593035,74.2,74.2,B9.1,
905950,593082,74.5,74.5,B9.2,
905946,593104,74,74,B9.3,
905933,593144,69.5,69.5,B9.4,
B17 SHOULDER/RETAING WALL,13,2,0,0,
905689,593555,30.5,31.4,B17.1,
905656,593594,29,29.9,B17.2,
905619,593634,27.2,28.1,B17.3,
905619,593634,27.2,27.2,B17.3,
905583,593672,25,25,B17.4,
905551,593707,23.5,23.5,B17.5,
905518,593743,22,22,B17.6,
905447,593817,19,19,B17.7,
905378,593889,15.9,15.9,B17.8,
B50 CENTER DIVIDER 612+00 TO 619+90,14,2,0,0,
905921,592483,42.6,43.6,B50.1,
905908,592583,43.2,44.2,B50.2,
905896,592681,43.7,44.7,B50.3,
905884,592781,44.2,45.2,B50.4,
905872,592880,44.6,45.6,B50.5,
905863,592950,44.8,45.8,B50.6,
905854,593026,44.5,45.5,B50.7,
905844,593098,43.5,44.5,B50.8,
905829,593180,41.6,42.6,B50.9,
905802,593266,39,40,B50.10,
B51 CENTER DIVIDER 619+90 TO 627+00,15,2,0,0,
905802,593266,39,40,B51.1,
905771,593345,36.5,37.5,B51.2,
905731,593424,33.8,34.8,B51.3,
905686,593496,31.3,32.3,B51.4,
905628,593569,28.5,29.5,B51.5,
905557,593644,25.2,26.2,B51.6,
905490,593716,22.2,23.2,B51.7,
905420,593789,19.2,20.2,B51.8,
905353,593863,16.1,17.1,B51.9,
R,1,67,4
905958,592618,42.3,R7.12

R,2,67,4
905957,592697,48.3,R7.13
R,3,67,4
905949,592784,55,R7.14
R,4,67,4
905957,592872,57.7,R7.15
R,5,67,4
905965,592908,57.9,R7.16
R,6,67,4
905988,592929,64.9,R7.17
R,7,67,4
905961,592952,67.3,R7.18
R,8,67,4
905957,593008,71,R7.19
R,9,67,4
905953,593070,75.3,R7.20
R,10,67,4
905939,593135,73.6,R7.21
R,11,67,4
905960,593173,68.5,R7.21A
R,12,67,4
905904,593230,62.9,R7.22
R,13,67,4
905873,593290,57.7,R7.23
R,14,67,4
905852,593322,53.1,R7.24
R,15,67,4
905823,593367,47.7,R7.25
R,16,67,4
905797,593408,42.2,R7.26
R,17,67,4
905779,593449,35.7,R7.27
R,18,67,4
905742,593507,29.2,R7.28
R,19,67,4
905714,593551,23.6,R7.29
R,20,67,4
905675,593611,18.1,R7.30
R,21,67,4
905633,593672,16.5,R7.31
R,22,67,4
905697,593692,16.1,R7.32
D,4.5
ALL,ALL
C,C

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
07 LOMAS SANTA FE TO MANCHESTER EAST - BUILD,BUILD,BLD,FT

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	-	3.*							B52.4	363.8	
2	-	3.*							B52.5	327.6	
3	-	3.*							B52.6	327.2	
4	-	3.*							B52.7	327.2	
5	-	3.*							B52.8	393.2	
6	-	25.*							B25.1	130.6	
7	-	12.*							B5.1	165.1	
8	-	12.*							B5.2	88.3	
9	-	12.*							B5.3	84.2	
10	-	12.*							B5.4	99.8	
11	-	12.*							B5.5	95.4	
12	-	0.*							B5.6	49.2	
13	-	0.*							B5.7	123.1	
14	-	0.*							B5.8	198.9	
15	-	0.*							B5.9	29.7	
16	-	0.*							B31.1	56.2	
17	-	0.*							B31.2	69.9	
18	-	0.*							B31.3	92.0	
19	-	0.*							B31.4	106.3	
20	-	0.*							B31.5	88.6	
21	-	0.*							B6.4B	108.7	
22	-	0.*							B6.1	80.1	
23	-	0.*							B6.2	36.3	
24	-	0.*							B6.3	147.7	
25	-	0.*							B6.4	125.4	
26	-	0.*							B6.4A	63.8	
27	-	0.*							B6.5	208.2	
28	-	0.*							B6.6	151.3	
29	-	0.*							B6.7	76.1	
30	-	0.*							B6.8	100.0	
31	-	0.*							B6.8	41.1	
32	-	0.*							B6.9	109.7	
33	-	0.*							B6.9A	78.5	
34	-	0.*							B15.1	113.1	
35	-	0.*							B15.2	97.1	

36	-	0.*	B15.3	55.8
37	-	0.*	B15.4	32.8
38	-	0.*	B15.5	31.1
39	-	0.*	B15.6	57.4
40	-	0.*	B7.1	144.7
41	-	0.*	B7.1A	126.7
42	-	0.*	B7.2	131.8
43	-	0.*	B7.3	210.3
44	-	0.*	B7.4	40.6
45	-	0.*	B7.4A	112.2
46	-	0.*	B7.5	66.0
47	-	0.*	B7.6	130.7
48	-	0.*	B7.6A	168.9
49	-	0.*	B7.7	208.3
50	-	2.*	B7.8	3.0
51	-	3.*	B7.8	122.1
52	-	0.*	B9.1	154.8
53	-	0.*	B9.2	73.4
54	-	0.*	B9.3	138.8
55	-	3.*	B17.1	167.7
56	-	3.*	B17.2	178.8
57	-	2.*	B17.3	3.0
58	-	0.*	B17.3	171.9
59	-	0.*	B17.4	155.7
60	-	0.*	B17.5	160.2
61	-	0.*	B17.6	336.7
62	-	0.*	B17.7	327.3
63	-	3.*	B50.1	330.8
64	-	3.*	B50.2	324.0
65	-	3.*	B50.3	330.4
66	-	3.*	B50.4	327.2
67	-	3.*	B50.5	231.5
68	-	3.*	B50.6	251.2
69	-	3.*	B50.7	238.5
70	-	3.*	B50.8	273.5
71	-	3.*	B50.9	295.9
72	-	3.*	B51.1	278.5
73	-	3.*	B51.2	290.6
74	-	3.*	B51.3	278.7
75	-	3.*	B51.4	306.0
76	-	3.*	B51.5	339.0
77	-	3.*	B51.6	322.8
78	-	3.*	B51.7	331.9
79	-	3.*	B51.8	327.7

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0 1 2 3 4 5 6 7

1

REC	REC ID	DNL	PEOPLE	LEQ(CAL)
1	R7.12	67.	500.	70.2

 2 R7.13 67. 500. 68.4
 3 R7.14 67. 500. 73.9
 4 R7.15 67. 500. 66.4
 5 R7.16 67. 500. 64.2
 6 R7.17 67. 500. 65.5
 7 R7.18 67. 500. 68.2
 8 R7.19 67. 500. 66.0
 9 R7.20 67. 500. 65.6
10 R7.21 67. 500. 72.0
11 R7.21A 67. 500. 65.6
12 R7.22 67. 500. 74.3
13 R7.23 67. 500. 75.8
14 R7.24 67. 500. 76.2
15 R7.25 67. 500. 76.8
16 R7.26 67. 500. 76.4
17 R7.27 67. 500. 70.1
18 R7.28 67. 500. 69.9
19 R7.29 67. 500. 67.6
20 R7.30 67. 500. 66.8
21 R7.31 67. 500. 69.5
22 R7.32 67. 500. 67.8
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
 1 1 1 1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 3. 3. 3. 3. 3.25.12.12.12.12.12. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 2.
 3. 0. 0. 0. 3. 3. 2. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
 3. 3. 3. 3.

07 Lomas Santa Fe to Manchester EAST - DGN,Build,DGN,Ft
T-L8 SB Outer Main Lane 606+80 to 615+00,1
4902,65,132,65,366,65
T-L18 SB Inner Main Lane 606+80 to 615+00,2
5268,65,132,65,0,65
T-L58 SB HOV 606+80 to 615+00,3
3000,65,0,65,0,65
T-L57 NB HOV 606+80 to 615+00,4
3000,65,0,65,0,65
T-L17 NB Inner Main Lane 606+80 to 615+00,5
5268,65,132,65,0,65
T-L7 NB Outer Main Lane 606+80 to 615+00,6
4902,65,132,65,366,65
T-L44 Lomas Santa Fe Dr. ON RAMP TO SB I-5,7
950,45,24,45,26,45
T-L46 SB OFF RAMP TO LOMAS SANTA FE ,8
950,45,24,45,26,45
T-L47 T-LOAMS SANTA FE DR ON RAMP TO NB 1-5,9
950,45,24,45,26,45
T-L45 SB LOMAS SANTA FE ON-RAMP(LOOP),10
950,45,24,45,26,45
T-L10 SB OUTER MAIN LANE 615+00 TO 627+50,11
4902,65,132,65,366,65
T-L20 SB INNER MAIN LANE 615+00 TO 627+50,12
5268,65,132,65,0,65
T-L60 SB HOV 615+00 TO 627+50,13
3000,65,0,65,0,65
T-L59 NB HOV 615+00 TO 627+50,14
3000,65,0,65,0,65
T-L19 NB INNER MAIN LANE 615+00 TO 627+50,15
5268,65,132,65,0,65
T-L9 OUTER MAIN LANE 615+00 - 627+50,16
4902,65,132,65,366,65
L8 SB Outer Main Lane 606+80 to 615+00,1
N,905957,591953,40,L8.7,
N,905943,592063,40.6,L8.8,
N,905929,592161,41.1,L8.9,
N,905919,592260,41.4,L8.10,
N,905907,592361,41.9,L8.11,
N,905893,592478,42.6,L8.12,
N,905879,592578,43,L8.13,
N,905868,592679,43.5,L8.14,
N,905855,592776,43.9,L8.15,
L18 SB Inner Main Lane 606+80 to 615+00,2
N,905968,591954,40,L18.7,
N,905954,592064,40.6,L18.8,
N,905941,592163,41.1,L18.9,
N,905930,592262,41.4,L18.10,
N,905916,592362,41.9,L18.11
N,905902,592480,42.6,L18.12
N,905890,592579,43,L18.13
N,905879,592681,43.5,L18.14
N,905866,592778,43.9,L18.15
L58 SB HOV 606+80 to 615+00,3,
N,905977,591956,40.2,L58.7
N,905963,592065,40.8,L58.8

N,905951,592164,41.2,L58.9
N,905939,592263,41.6,L58.10
N,905927,592363,42.1,L58.11
N,905911,592482,42.6,L58.12
N,905900,592581,43.2,L58.13
N,905887,592680,43.7,L58.14
N,905876,592779,44.2,L58.15
L57 NB HOV 606+80 to 615+00,4,
N,905993,591959,40.2,L57.7
N,905980,592068,40.8,L57.8
N,905967,592168,41.2,L57.9
N,905955,592265,41.6,L57.10
N,905943,592365,42.1,L57.11
N,905928,592484,42.6,L57.12
N,905916,592583,43.2,L57.13
N,905904,592682,43.7,L57.14
N,905892,592782,44.1,L57.15
L17 NB Inner Main Lane 606+80 to 615+00,5,
N,906003,591961,40,L17.7
N,905989,592070,40.6,L17.8
N,905978,592169,41.1,L17.9
N,905965,592267,41.5,L17.10
N,905953,592367,42,L17.11
N,905939,592486,42.5,L17.12
N,905928,592585,43,L17.13
N,905914,592685,43.5,L17.14
N,905903,592783,44,L17.15
L7 NB Outer Main Lane 606+80 to 615+00,6,
N,906014,591962,40,L7.7
N,905998,592072,40.6,L7.8
N,905987,592170,41.1,L7.9
N,905974,592269,41.5,L7.10
N,905962,592369,42,L7.11
N,905949,592487,42.5,L7.12
N,905937,592586,43,L7.13
N,905925,592685,43.5,L7.14
N,905913,592785,44,L7.15
L44 Lomas Santa Fe Dr. ON RAMP TO SB I-5,7,
N,905957,591953,40,L44.1
N,905936,592061,40.6,L44.2
N,905930,592102,40,L44.3
N,905917,592180,39,L44.4
N,905906,592239,40.7,L44.5
N,905897,592278,40.2,L44.6
N,905885,592315,38.3,L44.7
N,905867,592351,36.2,L44.8
N,905840,592405,35.4,L44.9
L46 SB OFF RAMP TO LOMAS SANTA FE ,8,
N,905822,592442,35.8,L46.1
N,905844,592558,39.5,L46.2
N,905858,592638,42.2,L46.3
N,905856,592698,43,L46.4
N,905851,592775,43.9,L46.5
N,905842,592876,44.4,L46.6
L47 LOAMS SANTA FE DR ON RAMP TO NB 1-5,9,
N,906019,592426,36.2,L47.1

N,905999,592460,36.8,L47.2
N,905981,592494,39.3,L47.3
N,905964,592531,41.2,L47.4
N,905954,592569,41,L47.5
N,905942,592629,42.6,L47.6
N,905930,592707,43.1,L47.7
N,905918,592786,44,L47.8
N,905900,592883,49.5,L47.9
L45 LOMAS SANTA FE ON-RAMP(LOOP),10,
N,905919,592260,41.4,L45.1
N,905908,592302,41.5,L45.2
N,905898,592378,41.6,L45.3
N,905886,592456,42.1,L45.4
N,905875,592495,41.4,L45.5
N,905857,592509,39.4,L45.6
N,905844,592483,36.5,L45.7
N,905832,592443,35.8,L45.8
L10 SB OUTER MAIN LANE 615+00 TO 627+50,11,
N,905855,592776,43.9,L10.1
N,905842,592876,44.4,L10.2
N,905834,592947,44.8,L10.3
N,905826,593022,44.4,L10.4
N,905817,593093,43.2,L10.5
N,905801,593170,41.3,L10.6
N,905776,593253,38.7,L10.7
N,905747,593328,36,L10.8
N,905710,593403,33.5,L10.9
N,905667,593471,31,L10.10
N,905608,593547,28,L10.11
N,905537,593625,25,L10.12
N,905468,593696,22,L10.13
N,905400,593770,19,L10.14
N,905331,593844,16,L10.15
L20 SB INNER MAIN LANE 615+00 TO 627+50,12,
N,905866,592778,43.9,L20.1
N,905853,592877,44.4,L20.2
N,905845,592948,44.8,L20.3
N,905836,593024,44.4,L20.4
N,905827,593095,43.2,L20.5
N,905812,593171,41.3,L20.6
N,905787,593257,38.7,L20.7
N,905756,593335,36,L20.8
N,905720,593408,33.5,L20.9
N,905676,593477,31,L20.10
N,905616,593555,28,L20.11
N,905544,593632,25,L20.12
N,905477,593704,22,L20.13
N,905406,593777,19,L20.14
N,905339,593850,16,L20.15
L60 SB HOV 615+00 TO 627+50,13,
N,905876,592779,44.2,L60.1
N,905864,592879,44.6,L60.2
N,905854,592949,44.8,L60.3
N,905846,593025,44.5,L60.4
N,905837,593098,43.5,L60.5
N,905822,593174,41.6,L60.6

N,905796,593260,39,L60.7
N,905765,593339,36.4,L60.8
N,905728,593413,33.8,L60.9
N,905683,593483,31.3,L60.10
N,905621,593562,28.3,L60.11
N,905551,593639,25.2,L60.12
N,905483,593711,22.2,L60.13
N,905413,593784,19.2,L60.14
N,905346,593857,16.2,L60.15
L59 NB HOV 615+00 TO 627+50,14,
N,905892,592782,44.1,L59.1
N,905880,592880,44.6,L59.2
N,905871,592952,44.8,L59.3
N,905862,593027,44.5,L59.4
N,905851,593109,43.5,L59.5
N,905837,593187,41.5,L59.6
N,905810,593272,39,L59.7
N,905778,593351,36.5,L59.8
N,905734,593438,33.7,L59.9
N,905687,593508,31.2,L59.10
N,905634,593573,28.6,L59.11
N,905563,593652,25.2,L59.12
N,905496,593722,22.2,L59.13
N,905426,593796,19.2,L59.14
N,905357,593869,16,L59.15
L19 NB INNER MAIN LANE 615+00 TO 627+50,15,
N,905903,592783,44,L19.1
N,905890,592881,49.5,L19.2
N,905882,592953,44.8,L19.3
N,905872,593029,44.4,L19.4
N,905861,593112,43.7,L19.5
N,905845,593190,42,L19.6
N,905819,593276,39.3,L19.7
N,905786,593356,36.7,L19.8
N,905740,593443,34,L19.9
N,905695,593513,31.5,L19.10
N,905642,593580,29,L19.11
N,905570,593658,25,L19.12
N,905502,593729,22,L19.13
N,905433,593803,19,L19.14
N,905365,593876,15.9,L19.15
L9 OUTER MAIN LANE 615+00 - 627+50,16,
N,905913,592785,44,L9.1
N,905900,592883,49.5,L9.2
N,905892,592955,44.8,L9.3
N,905883,593030,44.4,L9.4
N,905872,593115,43.7,L9.5
N,905856,593193,42,L9.6
N,905828,593279,39.3,L9.7
N,905795,593361,36.7,L9.8
N,905751,593446,34,L9.9
N,905703,593520,31.5,L9.10
N,905650,593588,29,L9.11
N,905578,593665,25,L9.12
N,905511,593737,22,L9.13
N,905442,593811,19,L9.14

N,905373,593884,15.9,L9.15,
B52 CENTER DIVIDER 606+80 - 612+00,1,2,0,0,
905986,591957,40.2,41.2,B52.4,
905972,592067,40.8,41.8,B52.5,
905959,592166,41.2,42.2,B52.6,
905947,592265,41.6,42.6,B52.7,
905935,592364,42.1,43.1,B52.8,
905921,592483,42.6,43.6,B52.9,
B25 E. SIDE BUILDING NEAR R7.12,2,2,0,0,
906000,592580,37.4,45,B25.1,
905965,592561,37,44.6,B25.2,
B5 E SIDE NEAR R7.12 THRU R7.15 ROW,3,2,0,0,
905965,592561,37,40.7,B5.1,
905954,592610,40.6,44.3,B5.2,
905948,592636,44,47.7,B5.3,
905944,592661,48,51.7,B5.4,
905939,592691,48.6,52.3,B5.5,
905937,592720,50,53.7,B5.6,
B5 E SIDE NEAR R7.12 THRU R7.15 ROW,4,2,0,0,
905937,592720,50,52.4,B5.6,
905947,592731,52,54.4,B5.7,
905941,592768,53.5,55.9,B5.8,
905933,592828,56.5,58.9,B5.9,
905932,592837,57,59.4,B5.10,
B31 E. SIDE NEAR R7.15 THRU R7.21 NAT. BAR.,5,2,0,0,
905945,592915,62,62,B31.1,
905934,592928,64,64,B31.2,
905936,592949,67,67,B31.3,
905936,592977,68,68,B31.4,
905939,593009,72,72,B31.5,
905946,593035,74.2,74.2,B31.6,
B6 E. SIDE NEAR R7.15 THRU R7.21 Private Property,6,2,0,0,
905975,592939,65,68.7,B6.4B,
905945,592953,66,69.7,B6.4A,
B6 E. SIDE NEAR R7.15 THRU R7.21 ROW,7,2,0,0,
905932,592837,57,57,B6.1,
905940,592860,59,59,B6.2,
905944,592870,61.5,61.5,B6.3,
905945,592915,62,62,B6.4,
905945,592953,66,66,B6.4A,
905945,592953,66,69.7,B6.4A,
905949,592972,67.2,70.9,B6.5,
905946,593035,74.2,77.9,B6.6,
B6 E. SIDE NEAR R7.15 THRU R7.21 ROW,8,2,0,0,
905946,593035,74.2,77.9,B6.6,
905944,593081,76.6,80.3,B6.7,
905941,593104,76.6,80.3,B6.8,
905933,593144,69.5,73.2,B6.9,
905917,593173,64.9,68.6,B6.9A,
905911,593196,62.3,66.0,B6.10,
B15 E. SIDE NAT. BAR. NEAR R7.15 THRU R7.17,9,2,0,0,
905933,592828,56.5,56.5,B15.1,
905950,592858,56.5,56.5,B15.2,
905956,592887,56.5,56.5,B15.3,
905956,592904,56.5,56.5,B15.4,
905962,592912,56.5,56.5,B15.5,

905971,592915,56.5,56.5,B15.6,
905986,592906,56.5,56.5,B15.7,
B7 E. SIDE NEAR R7.22 THRU R7.30 ROW,10,2,0,0,
905911,593196,62.3,66.0,B7.1,
905886,593232,57.5,61.2,B7.1A,
905886,593232,57.5,61.8,B7.1A,
905870,593267,54,58.3,B7.2,
905849,593301,50,54.3,B7.3,
905849,593301,50,53.7,B7.3,
905815,593355,44,47.7,B7.4,
B7 E. SIDE NEAR R7.22 THRU R7.30 ROW,11,2,0,0,
905815,593355,44,47.7,B7.4,
905798,593374,40.5,44.2,B7.5,
905789,593392,40.5,44.2,B7.6,
905770,593427,39.5,43.2,B7.6A,
905747,593473,37,40.7,B7.7,
905711,593525,31.5,35.2,B7.8,
905711,593525,31.5,35.8,B7.8,
905689,593555,30.5,34.8,B7.9,
B9 E. SIDE NAT. BAR NEAR R7.21&R7.22,12,1,0,0,
905946,593035,74.2,74.2,B9.1,
905950,593082,74.5,74.5,B9.2,
905946,593104,74,74,B9.3,
905933,593144,69.5,69.5,B9.4,
B17 SHOULDER/RETAING WALL,13,2,0,0,
905689,593555,30.5,34.8,B17.1,
905656,593594,29,33.3,B17.2,
905619,593634,27,31.3,B17.3,
905583,593672,25,29.3,B17.4,
B17 SHOULDER/RETAING WALL,13,2,0,0,
905583,593672,25,29.3,B17.4,
905551,593707,23.5,27.8,B17.5,
905551,593707,23.5,26.5,B17.5,
905518,593743,22,25.0,B17.6,
905482.5,593780,20.5,23.5,B17.6A,
905482.5,593780,20.5,20.5,B17.6A,
905447,593817,19,19,B17.7,
905378,593889,15.9,15.9,B17.8,
B50 CENTER DIVIDER 612+00 TO 619+90,14,2,0,0,
905921,592483,42.6,43.6,B50.1,
905908,592583,43.2,44.2,B50.2,
905896,592681,43.7,44.7,B50.3,
905884,592781,44.2,45.2,B50.4,
905872,592880,44.6,45.6,B50.5,
905863,592950,44.8,45.8,B50.6,
905854,593026,44.5,45.5,B50.7,
905844,593098,43.5,44.5,B50.8,
905829,593180,41.6,42.6,B50.9,
905802,593266,39,40,B50.10,
B51 CENTER DIVIDER 619+90 TO 627+00,15,2,0,0,
905802,593266,39,40,B51.1,
905771,593345,36.5,37.5,B51.2,
905731,593424,33.8,34.8,B51.3,
905686,593496,31.3,32.3,B51.4,
905628,593569,28.5,29.5,B51.5,
905557,593644,25.2,26.2,B51.6,

905490,593716,22.2,23.2,B51.7,
905420,593789,19.2,20.2,B51.8,
905353,593863,16.1,17.1,B51.9,
R,1,67,4
905958,592618,42.3,R7.12
R,2,67,4
905957,592697,48.3,R7.13
R,3,67,4
905949,592784,55,R7.14
R,4,67,4
905957,592872,57.7,R7.15
R,5,67,4
905965,592908,57.9,R7.16
R,6,67,4
905988,592929,64.9,R7.17
R,7,67,4
905961,592952,67.3,R7.18
R,8,67,4
905957,593008,71,R7.19
R,9,67,4
905953,593070,75.3,R7.20
R,10,67,4
905939,593135,73.6,R7.21
R,11,67,4
905960,593173,68.5,R7.21A
R,12,67,4
905904,593230,62.9,R7.22
R,13,67,4
905873,593290,57.7,R7.23
R,14,67,4
905852,593322,53.1,R7.24
R,15,67,4
905823,593367,47.7,R7.25
R,16,67,4
905797,593408,42.2,R7.26
R,17,67,4
905779,593449,35.7,R7.27
R,18,67,4
905742,593507,29.2,R7.28
R,19,67,4
905714,593551,23.6,R7.29
R,20,67,4
905675,593611,18.1,R7.30
R,21,67,4
905633,593672,16.5,R7.31
R,32,67,4
905697,593692,16.1,R7.32
D,4.5
ALL,ALL
C,C

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
07 LOMAS SANTA FE TO MANCHESTER EAST - DGN,BUILD,DGN,FT

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	-	3.*							B52.4	363.8	
2	-	3.*							B52.5	327.6	
3	-	3.*							B52.6	327.2	
4	-	3.*							B52.7	327.2	
5	-	3.*							B52.8	393.2	
6	-	25.*							B25.1	130.6	
7	-	12.*							B5.1	165.1	
8	-	12.*							B5.2	88.3	
9	-	12.*							B5.3	84.2	
10	-	12.*							B5.4	99.8	
11	-	12.*							B5.5	95.4	
12	-	8.*							B5.6	49.2	
13	-	8.*							B5.7	123.1	
14	-	8.*							B5.8	198.9	
15	-	8.*							B5.9	29.7	
16	-	0.*							B31.1	56.2	
17	-	0.*							B31.2	69.9	
18	-	0.*							B31.3	92.0	
19	-	0.*							B31.4	106.3	
20	-	0.*							B31.5	88.6	
21	-	12.*							B6.4B	108.7	
22	-	0.*							B6.1	80.1	
23	-	0.*							B6.2	36.3	
24	-	0.*							B6.3	147.7	
25	-	0.*							B6.4	125.4	
26	-	6.*							B6.4A	12.2	
27	-	12.*							B6.4A	63.8	
28	-	12.*							B6.5	208.2	
29	-	12.*							B6.6	151.3	
30	-	12.*							B6.7	76.1	
31	-	12.*							B6.8	135.8	
32	-	12.*							B6.9	109.7	
33	-	12.*							B6.9A	78.5	
34	-	0.*							B15.1	113.1	
35	-	0.*							B15.2	97.1	

36	-	0.*	B15.3	55.8
37	-	0.*	B15.4	32.8
38	-	0.*	B15.5	31.1
39	-	0.*	B15.6	57.4
40	-	12.*	B7.1	144.7
41	-	13.*	B7.1A	2.0
42	-	14.*	B7.1A	126.8
43	-	14.*	B7.2	131.8
44	-	13.*	B7.3	1.9
45	-	12.*	B7.3	210.3
46	-	12.*	B7.4	84.4
47	-	12.*	B7.5	66.0
48	-	12.*	B7.6	130.7
49	-	12.*	B7.6A	168.9
50	-	12.*	B7.7	208.3
51	-	13.*	B7.8	2.0
52	-	14.*	B7.8	122.1
53	-	0.*	B9.1	154.8
54	-	0.*	B9.2	73.4
55	-	0.*	B9.3	138.8
56	-	14.*	B17.1	167.7
57	-	14.*	B17.2	178.9
58	-	14.*	B17.3	171.9
59	-	14.*	B17.4	155.7
60	-	12.*	B17.5	4.3
61	-	10.*	B17.5	160.2
62	-	10.*	B17.6	168.3
63	-	5.*	B17.6A	9.8
64	-	0.*	B17.6A	168.3
65	-	0.*	B17.7	327.3
66	-	3.*	B50.1	330.8
67	-	3.*	B50.2	324.0
68	-	3.*	B50.3	330.4
69	-	3.*	B50.4	327.2
70	-	3.*	B50.5	231.5
71	-	3.*	B50.6	251.2
72	-	3.*	B50.7	238.5
73	-	3.*	B50.8	273.5
74	-	3.*	B50.9	295.9
75	-	3.*	B51.1	278.5
76	-	3.*	B51.2	290.6
77	-	3.*	B51.3	278.7
78	-	3.*	B51.4	306.0
79	-	3.*	B51.5	339.0
80	-	3.*	B51.6	322.8
81	-	3.*	B51.7	331.9
82	-	3.*	B51.8	327.7

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0 1 2 3 4 5 6 7

1

REC	REC ID	DNL	PEOPLE	LEQ(CAL)
1	R7.12	67.	500.	70.2
2	R7.13	67.	500.	67.6
3	R7.14	67.	500.	68.3
4	R7.15	67.	500.	65.3
5	R7.16	67.	500.	63.4
6	R7.17	67.	500.	65.0
7	R7.18	67.	500.	62.2
8	R7.19	67.	500.	62.9
9	R7.20	67.	500.	61.3
10	R7.21	67.	500.	65.1
11	R7.21A	67.	500.	62.7
12	R7.22	67.	500.	68.6
13	R7.23	67.	500.	70.8
14	R7.24	67.	500.	71.2
15	R7.25	67.	500.	72.1
16	R7.26	67.	500.	69.0
17	R7.27	67.	500.	64.9
18	R7.28	67.	500.	63.9
19	R7.29	67.	500.	63.0
20	R7.30	67.	500.	62.4
21	R7.31	67.	500.	62.8
22	R7.32	67.	500.	61.9

BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1

CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION

3. 3. 3. 3. 3.25.12.12.12.12.12. 8. 8. 8. 8. 0. 0. 0. 0. 0.12. 0. 0. 0. 0.
6.12.12.12.12.12.12.12. 0. 0. 0. 0. 0. 0.12.13.14.14.13.12.12.12.12.12.12.
13.14. 0. 0. 0.14.14.14.14.12.10.10. 5. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3.
3. 3. 3. 3. 3. 3. 3.

07 Lomas Santa Fe to Manchester EAST - DGN opt 2,Opt 2,DGN,Ft
T-L8 SB Outer Main Lane 606+80 to 615+00,1
4902,65,132,65,366,65
T-L18 SB Inner Main Lane 606+80 to 615+00,2
5268,65,132,65,0,65
T-L58 SB HOV 606+80 to 615+00,3
3000,65,0,65,0,65
T-L57 NB HOV 606+80 to 615+00,4
3000,65,0,65,0,65
T-L17 NB Inner Main Lane 606+80 to 615+00,5
5268,65,132,65,0,65
T-L7 NB Outer Main Lane 606+80 to 615+00,6
4902,65,132,65,366,65
T-L44 Lomas Santa Fe Dr. ON RAMP TO SB I-5,7
950,45,24,45,26,45
T-L46 SB OFF RAMP TO LOMAS SANTA FE ,8
950,45,24,45,26,45
T-L47 T-LOAMS SANTA FE DR ON RAMP TO NB 1-5,9
950,45,24,45,26,45
T-L45 SB LOMAS SANTA FE ON-RAMP(LOOP),10
950,45,24,45,26,45
T-L10 SB OUTER MAIN LANE 615+00 TO 627+50,11
4902,65,132,65,366,65
T-L20 SB INNER MAIN LANE 615+00 TO 627+50,12
5268,65,132,65,0,65
T-L60 SB HOV 615+00 TO 627+50,13
3000,65,0,65,0,65
T-L59 NB HOV 615+00 TO 627+50,14
3000,65,0,65,0,65
T-L19 NB INNER MAIN LANE 615+00 TO 627+50,15
5268,65,132,65,0,65
T-L9 OUTER MAIN LANE 615+00 - 627+50,16
4902,65,132,65,366,65
L8 SB Outer Main Lane 606+80 to 615+00,1
N,905957,591953,40,L8.7,
N,905943,592063,40.6,L8.8,
N,905929,592161,41.1,L8.9,
N,905919,592260,41.4,L8.10,
N,905907,592361,41.9,L8.11,
N,905893,592478,42.6,L8.12,
N,905879,592578,43,L8.13,
N,905868,592679,43.5,L8.14,
N,905855,592776,43.9,L8.15,
L18 SB Inner Main Lane 606+80 to 615+00,2
N,905968,591954,40,L18.7,
N,905954,592064,40.6,L18.8,
N,905941,592163,41.1,L18.9,
N,905930,592262,41.4,L18.10,
N,905916,592362,41.9,L18.11
N,905902,592480,42.6,L18.12
N,905890,592579,43,L18.13
N,905879,592681,43.5,L18.14
N,905866,592778,43.9,L18.15
L58 SB HOV 606+80 to 615+00,3,
N,905977,591956,40.2,L58.7
N,905963,592065,40.8,L58.8

N,905951,592164,41.2,L58.9
N,905939,592263,41.6,L58.10
N,905927,592363,42.1,L58.11
N,905911,592482,42.6,L58.12
N,905900,592581,43.2,L58.13
N,905887,592680,43.7,L58.14
N,905876,592779,44.2,L58.15
L57 NB HOV 606+80 to 615+00,4,
N,905993,591959,40.2,L57.7
N,905980,592068,40.8,L57.8
N,905967,592168,41.2,L57.9
N,905955,592265,41.6,L57.10
N,905943,592365,42.1,L57.11
N,905928,592484,42.6,L57.12
N,905916,592583,43.2,L57.13
N,905904,592682,43.7,L57.14
N,905892,592782,44.1,L57.15
L17 NB Inner Main Lane 606+80 to 615+00,5,
N,906003,591961,40,L17.7
N,905989,592070,40.6,L17.8
N,905978,592169,41.1,L17.9
N,905965,592267,41.5,L17.10
N,905953,592367,42,L17.11
N,905939,592486,42.5,L17.12
N,905928,592585,43,L17.13
N,905914,592685,43.5,L17.14
N,905903,592783,44,L17.15
L7 NB Outer Main Lane 606+80 to 615+00,6,
N,906014,591962,40,L7.7
N,905998,592072,40.6,L7.8
N,905987,592170,41.1,L7.9
N,905974,592269,41.5,L7.10
N,905962,592369,42,L7.11
N,905949,592487,42.5,L7.12
N,905937,592586,43,L7.13
N,905925,592685,43.5,L7.14
N,905913,592785,44,L7.15
L44 Lomas Santa Fe Dr. ON RAMP TO SB I-5,7,
N,905957,591953,40,L44.1
N,905936,592061,40.6,L44.2
N,905930,592102,40,L44.3
N,905917,592180,39,L44.4
N,905906,592239,40.7,L44.5
N,905897,592278,40.2,L44.6
N,905885,592315,38.3,L44.7
N,905867,592351,36.2,L44.8
N,905840,592405,35.4,L44.9
L46 SB OFF RAMP TO LOMAS SANTA FE ,8,
N,905822,592442,35.8,L46.1
N,905844,592558,39.5,L46.2
N,905858,592638,42.2,L46.3
N,905856,592698,43,L46.4
N,905851,592775,43.9,L46.5
N,905842,592876,44.4,L46.6
L47 LOAMS SANTA FE DR ON RAMP TO NB 1-5,9,
N,906019,592426,36.2,L47.1

N,905999,592460,36.8,L47.2
N,905981,592494,39.3,L47.3
N,905964,592531,41.2,L47.4
N,905954,592569,41,L47.5
N,905942,592629,42.6,L47.6
N,905930,592707,43.1,L47.7
N,905918,592786,44,L47.8
N,905900,592883,49.5,L47.9
L45 SB LOMAS SANTA FE ON-RAMP,10,
N,905919,592260,41.4,L45.1
N,905908,592302,41.5,L45.2
N,905898,592378,41.6,L45.3
N,905886,592456,42.1,L45.4
N,905875,592495,41.4,L45.5
N,905857,592509,39.4,L45.6
N,905844,592483,36.5,L45.7
N,905832,592443,35.8,L45.8
L10 SB OUTER MAIN LANE 615+00 TO 627+50,11,
N,905855,592776,43.9,L10.1
N,905842,592876,44.4,L10.2
N,905834,592947,44.8,L10.3
N,905826,593022,44.4,L10.4
N,905817,593093,43.2,L10.5
N,905801,593170,41.3,L10.6
N,905776,593253,38.7,L10.7
N,905747,593328,36,L10.8
N,905710,593403,33.5,L10.9
N,905667,593471,31,L10.10
N,905608,593547,28,L10.11
N,905537,593625,25,L10.12
N,905468,593696,22,L10.13
N,905400,593770,19,L10.14
N,905331,593844,16,L10.15
L20 SB INNER MAIN LANE 615+00 TO 627+50,12,
N,905866,592778,43.9,L20.1
N,905853,592877,44.4,L20.2
N,905845,592948,44.8,L20.3
N,905836,593024,44.4,L20.4
N,905827,593095,43.2,L20.5
N,905812,593171,41.3,L20.6
N,905787,593257,38.7,L20.7
N,905756,593335,36,L20.8
N,905720,593408,33.5,L20.9
N,905676,593477,31,L20.10
N,905616,593555,28,L20.11
N,905544,593632,25,L20.12
N,905477,593704,22,L20.13
N,905406,593777,19,L20.14
N,905339,593850,16,L20.15
L60 SB HOV 615+00 TO 627+50,13,
N,905876,592779,44.2,L60.1
N,905864,592879,44.6,L60.2
N,905854,592949,44.8,L60.3
N,905846,593025,44.5,L60.4
N,905837,593098,43.5,L60.5
N,905822,593174,41.6,L60.6

N,905796,593260,39,L60.7
N,905765,593339,36.4,L60.8
N,905728,593413,33.8,L60.9
N,905683,593483,31.3,L60.10
N,905621,593562,28.3,L60.11
N,905551,593639,25.2,L60.12
N,905483,593711,22.2,L60.13
N,905413,593784,19.2,L60.14
N,905346,593857,16.2,L60.15
L59 NB HOV 615+00 TO 627+50,14,
N,905892,592782,44.1,L59.1
N,905880,592880,44.6,L59.2
N,905871,592952,44.8,L59.3
N,905862,593027,44.5,L59.4
N,905851,593109,43.5,L59.5
N,905837,593187,41.5,L59.6
N,905810,593272,39,L59.7
N,905778,593351,36.5,L59.8
N,905734,593438,33.7,L59.9
N,905687,593508,31.2,L59.10
N,905634,593573,28.6,L59.11
N,905563,593652,25.2,L59.12
N,905496,593722,22.2,L59.13
N,905426,593796,19.2,L59.14
N,905357,593869,16,L59.15
L19 NB INNER MAIN LANE 615+00 TO 627+50,15,
N,905903,592783,44,L19.1
N,905890,592881,49.5,L19.2
N,905882,592953,44.8,L19.3
N,905872,593029,44.4,L19.4
N,905861,593112,43.7,L19.5
N,905845,593190,42,L19.6
N,905819,593276,39.3,L19.7
N,905786,593356,36.7,L19.8
N,905740,593443,34,L19.9
N,905695,593513,31.5,L19.10
N,905642,593580,29,L19.11
N,905570,593658,25,L19.12
N,905502,593729,22,L19.13
N,905433,593803,19,L19.14
N,905365,593876,15.9,L19.15
L9 OUTER MAIN LANE 615+00 - 627+50,16,
N,905913,592785,44,L9.1
N,905900,592883,49.5,L9.2
N,905892,592955,44.8,L9.3
N,905883,593030,44.4,L9.4
N,905872,593115,43.7,L9.5
N,905856,593193,42,L9.6
N,905828,593279,39.3,L9.7
N,905795,593361,36.7,L9.8
N,905751,593446,34,L9.9
N,905703,593520,31.5,L9.10
N,905650,593588,29,L9.11
N,905578,593665,25,L9.12
N,905511,593737,22,L9.13
N,905442,593811,19,L9.14

N,905373,593884,15.9,L9.15,
B52 CENTER DIVIDER 606+80 - 612+00,1,2,0,0,
905986,591957,40.2,41.2,B52.4,
905972,592067,40.8,41.8,B52.5,
905959,592166,41.2,42.2,B52.6,
905947,592265,41.6,42.6,B52.7,
905935,592364,42.1,43.1,B52.8,
905921,592483,42.6,43.6,B52.9,
B25 E. SIDE BUILDING NEAR R7.12,2,2,0,0,
906000,592580,37.4,45,B25.1,
905965,592561,37,44.6,B25.2,
B5 E SIDE NEAR R7.12 THRU R7.15 ROW,3,2,0,0,
905965,592561,37,40.7,B5.1,
905954,592610,40.6,44.3,B5.2,
905948,592636,44,47.7,B5.3,
905944,592661,48,51.7,B5.4,
905939,592691,48.6,52.3,B5.5,
905937,592720,50,53.7,B5.6,
B5 E SIDE NEAR R7.12 THRU R7.15 ROW,4,2,0,0,
905937,592720,50,50,B5.6,
905947,592731,52,52,B5.7,
905941,592768,53.5,53.5,B5.8,
905933,592828,56.5,56.5,B5.9,
905932,592837,57,57,B5.10,
B31 E. SIDE NEAR R7.15 THRU R7.21 NAT. BAR.,5,2,0,0,
905945,592915,62,62,B31.1,
905934,592928,64,64,B31.2,
905936,592949,67,67,B31.3,
905936,592977,68,68,B31.4,
905939,593009,72,72,B31.5,
905946,593035,74.2,74.2,B31.6,
B6 E. SIDE NEAR R7.15 THRU R7.21 Private Property,6,2,0,0,
905975,592939,65,65,B6.4B,
905945,592953,66,66,B6.4A,
B6 E. SIDE NEAR R7.15 THRU R7.21 ROW,7,2,0,0,
905932,592837,57,57,B6.1,
905940,592860,59,59,B6.2,
905944,592870,61.5,61.5,B6.3,
905945,592915,62,62,B6.4,
905945,592953,66,66,B6.4A,
905949,592972,67.2,67.2,B6.5,
905946,593035,74.2,74.2,B6.6,
B6 E. SIDE NEAR R7.15 THRU R7.21 ROW,8,2,0,0,
905946,593035,74.2,74.2,B6.6,
905944,593081,76.6,76.6,B6.7,
905941,593104,76.6,76.6,B6.8,
905930,593132,71.5,71.5,B6.8,
905933,593144,69.5,69.5,B6.9,
905917,593173,64.9,64.9,B6.9A,
905911,593196,62.3,62.3,B6.10,
B15 E. SIDE NAT. BAR. NEAR R7.15 THRU R7.17,9,2,0,0,
905933,592828,56.5,56.5,B15.1,
905950,592858,56.5,56.5,B15.2,
905956,592887,56.5,56.5,B15.3,
905956,592904,56.5,56.5,B15.4,
905962,592912,56.5,56.5,B15.5,

905971,592915,56.5,56.5,B15.6,
905986,592906,56.5,56.5,B15.7,
B7 E. SIDE NEAR R7.22 THRU R7.30 ROW,10,2,0,0,
905911,593196,62.3,62.3,B7.1,
905886,593232,57.5,57.5,B7.1A,
905886,593232,57.5,61.8,B7.1A,
905870,593267,54,58.3,B7.2,
905849,593301,50,54.3,B7.3,
905849,593301,50,53.7,B7.3,
905815,593355,44,47.7,B7.4,
B7 E. SIDE NEAR R7.22 THRU R7.30 ROW,11,2,0,0,
905815,593355,44,47.7,B7.4,
905798,593374,40.5,44.2,B7.5,
905789,593392,40.5,44.2,B7.6,
905770,593427,39.5,43.2,B7.6A,
905747,593473,37,40.7,B7.7,
905747,593473,37,37,B7.7,
905711,593525,31.5,31.5,B7.8,
905711,593525,31.5,32.4,B7.8,
905689,593555,30.5,31.4,B7.9,
B9 E. SIDE NAT. BAR NEAR R7.21&R7.22,12,1,0,0,
905946,593035,74.2,74.2,B9.1,
905950,593082,74.5,74.5,B9.2,
905946,593104,74,74,B9.3,
905933,593144,69.5,69.5,B9.4,
B17 SHOULDER/RETAING WALL,13,2,0,0,
905689,593555,30.5,31.4,B17.1,
905656,593594,29,29.9,B17.2,
905619,593634,27.2,28.1,B17.3,
905619,593634,27.2,27.2,B17.3,
905583,593672,25,25,B17.4,
905551,593707,23.5,23.5,B17.5,
905518,593743,22,22,B17.6,
905447,593817,19,19,B17.7,
905378,593889,15.9,15.9,B17.8,
B50 CENTER DIVIDER 612+00 TO 619+90,14,2,0,0,
905921,592483,42.6,43.6,B50.1,
905908,592583,43.2,44.2,B50.2,
905896,592681,43.7,44.7,B50.3,
905884,592781,44.2,45.2,B50.4,
905872,592880,44.6,45.6,B50.5,
905863,592950,44.8,45.8,B50.6,
905854,593026,44.5,45.5,B50.7,
905844,593098,43.5,44.5,B50.8,
905829,593180,41.6,42.6,B50.9,
905802,593266,39,40,B50.10,
B51 CENTER DIVIDER 619+90 TO 627+00,15,2,0,0,
905802,593266,39,40,B51.1,
905771,593345,36.5,37.5,B51.2,
905731,593424,33.8,34.8,B51.3,
905686,593496,31.3,32.3,B51.4,
905628,593569,28.5,29.5,B51.5,
905557,593644,25.2,26.2,B51.6,
905490,593716,22.2,23.2,B51.7,
905420,593789,19.2,20.2,B51.8,
905353,593863,16.1,17.1,B51.9,

R,1,67,4
905958,592618,42.3,R7.12
R,2,67,4
905957,592697,48.3,R7.13
R,3,67,4
905949,592784,55,R7.14
R,4,67,4
905957,592872,57.7,R7.15
R,5,67,4
905965,592908,57.9,R7.16
R,6,67,4
905988,592929,64.9,R7.17
R,7,67,4
905961,592952,67.3,R7.18
R,8,67,4
905957,593008,71,R7.19
R,9,67,4
905953,593070,75.3,R7.20
R,10,67,4
905939,593135,73.6,R7.21
R,11,67,4
905960,593173,68.5,R7.21A
R,12,67,4
905904,593230,62.9,R7.22
R,13,67,4
905873,593290,57.7,R7.23
R,14,67,4
905852,593322,53.1,R7.24
R,15,67,4
905823,593367,47.7,R7.25
R,16,67,4
905797,593408,42.2,R7.26
R,17,67,4
905779,593449,35.7,R7.27
R,18,67,4
905742,593507,29.2,R7.28
R,19,67,4
905714,593550,23.6,R7.29
R,20,67,4
905675,593611,18.1,R7.30
R,21,67,4
905633,593672,16.5,R7.31
R,32,67,4
905697,593692,16.1,R7.32
D,4.5
ALL,ALL
C,C

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
07 LOMAS SANTA FE TO MANCHESTER EAST - DGN OPT 2,OPT 2,DGN,FT

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BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	-	3.*							B52.4	363.8	
2	-	3.*							B52.5	327.6	
3	-	3.*							B52.6	327.2	
4	-	3.*							B52.7	327.2	
5	-	3.*							B52.8	393.2	
6	-	25.*							B25.1	130.6	
7	-	12.*							B5.1	165.1	
8	-	12.*							B5.2	88.3	
9	-	12.*							B5.3	84.2	
10	-	12.*							B5.4	99.8	
11	-	12.*							B5.5	95.4	
12	-	0.*							B5.6	49.2	
13	-	0.*							B5.7	123.1	
14	-	0.*							B5.8	198.9	
15	-	0.*							B5.9	29.7	
16	-	0.*							B31.1	56.2	
17	-	0.*							B31.2	69.9	
18	-	0.*							B31.3	92.0	
19	-	0.*							B31.4	106.3	
20	-	0.*							B31.5	88.6	
21	-	0.*							B6.4B	108.7	
22	-	0.*							B6.1	80.1	
23	-	0.*							B6.2	36.3	
24	-	0.*							B6.3	147.7	
25	-	0.*							B6.4	125.4	
26	-	0.*							B6.4A	63.8	
27	-	0.*							B6.5	208.2	
28	-	0.*							B6.6	151.3	
29	-	0.*							B6.7	76.1	
30	-	0.*							B6.8	100.0	
31	-	0.*							B6.8	41.1	
32	-	0.*							B6.9	109.7	
33	-	0.*							B6.9A	78.5	
34	-	0.*							B15.1	113.1	
35	-	0.*							B15.2	97.1	

36	-	0.*	B15.3	55.8
37	-	0.*	B15.4	32.8
38	-	0.*	B15.5	31.1
39	-	0.*	B15.6	57.4
40	-	0.*	B7.1	144.7
41	-	7.*	B7.1A	14.2
42	-	14.*	B7.1A	126.8
43	-	14.*	B7.2	131.8
44	-	13.*	B7.3	1.9
45	-	12.*	B7.3	210.3
46	-	12.*	B7.4	84.4
47	-	12.*	B7.5	66.0
48	-	12.*	B7.6	130.7
49	-	12.*	B7.6A	168.9
50	-	6.*	B7.7	12.1
51	-	0.*	B7.7	208.3
52	-	2.*	B7.8	3.0
53	-	3.*	B7.8	122.1
54	-	0.*	B9.1	154.8
55	-	0.*	B9.2	73.4
56	-	0.*	B9.3	138.8
57	-	3.*	B17.1	167.7
58	-	3.*	B17.2	178.8
59	-	2.*	B17.3	3.0
60	-	0.*	B17.3	171.9
61	-	0.*	B17.4	155.7
62	-	0.*	B17.5	160.2
63	-	0.*	B17.6	336.7
64	-	0.*	B17.7	327.3
65	-	3.*	B50.1	330.8
66	-	3.*	B50.2	324.0
67	-	3.*	B50.3	330.4
68	-	3.*	B50.4	327.2
69	-	3.*	B50.5	231.5
70	-	3.*	B50.6	251.2
71	-	3.*	B50.7	238.5
72	-	3.*	B50.8	273.5
73	-	3.*	B50.9	295.9
74	-	3.*	B51.1	278.5
75	-	3.*	B51.2	290.6
76	-	3.*	B51.3	278.7
77	-	3.*	B51.4	306.0
78	-	3.*	B51.5	339.0
79	-	3.*	B51.6	322.8
80	-	3.*	B51.7	331.9
81	-	3.*	B51.8	327.7

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0 1 2 3 4 5 6 7

1

REC REC ID DNL PEOPLE LEQ(CAL)

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 1  R7.12     67.    500.   70.2
 2  R7.13     67.    500.   68.4
 3  R7.14     67.    500.   73.9
 4  R7.15     67.    500.   66.4
 5  R7.16     67.    500.   64.2
 6  R7.17     67.    500.   65.5
 7  R7.18     67.    500.   68.2
 8  R7.19     67.    500.   66.0
 9  R7.20     67.    500.   65.6
10  R7.21     67.    500.   72.0
11  R7.21A    67.    500.   65.0
12  R7.22     67.    500.   73.3
13  R7.23     67.    500.   70.8
14  R7.24     67.    500.   71.2
15  R7.25     67.    500.   72.1
16  R7.26     67.    500.   69.0
17  R7.27     67.    500.   67.0
18  R7.28     67.    500.   69.7
19  R7.29     67.    500.   67.4
20  R7.30     67.    500.   66.8
21  R7.31     67.    500.   69.5
22  R7.32     67.    500.   67.8
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 3. 3. 3. 3. 3.25.12.12.12.12.12. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 7.14.14.13.12.12.12.12.12. 6.
 0. 2. 3. 0. 0. 0. 3. 3. 2. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
 3. 3. 3. 3. 3. 3.
```

08 Manchester to Birmingham - WEST-No Build,0,Ft
T-L2 SB Outer General Lane ST 628-640,1,
0,65,0,65,0,65,
T-L12 SB Inner General Lane ST 628-640,2,
3269,65,87,65,244,65,
T-L52 SB General - Future HOV Lane ST 628-640,3,
3513,65,87,65,0,65,
T-L51 NB General - Future HOV Lane ST 628-640,4,
3513,65,87,65,0,65,
T-L11 NB Inner General Lane ST 628-640,5,
3269,65,87,65,244,65,
T-L1 NB Outer Genral Lane ST 628-640,6,
0,65,0,65,0,65,
T-L24 SB Manchester On-Ramp Loop,7,
903,25,23,25,25,25,
T-L23 NB Manchester Off-ramp Loop,8,
950,25,24,25,26,25
T-L21 NB Manchester On-ramp,9
133,45,3,45,4,45
T-L22 SB Manchester Off-ramp ,10
190,45,5,45,5,45
T-L26 SB Birmingham On-Ramp,11
912,45,8,45,9,45
T-L25 NB Birmingham Ave Off-Ramp,12
468,45,7,45,5,45
T-L14 SB Inner General Lane ST 640-654,13
3269,65,87,65,244,65
T-L54 SB General - Future HOV Lane ST 640-654,14
3513,65,87,65,0,65
T-L53 NB General - Future HOV Lane ST 640-654,15
3513,65,87,65,0,65
T-L13 NB Inner General Lane ST 640-654,16
3269,65,87,65,244,65
T-L3 NB Outer General Lane ST 640-654,17
0,65,0,65,0,65
T-L27 NB Brimingham Dr on-ramp,18
420,45,6,45,4,45
T-L28 SB Brimingham off-ramp ,19
410,45,6,45,4,45
L2 SB Outer General Lane ST 628-640,1
N,905328,593844,16,L2.1,
N,905253,593924,12.9,L2.2,
N,905192,593991,11.8,L2.3,
N,905149,594036,11.6,L2.4,
N,905095,594094,12.3,L2.5,
N,905035,594157,14,L2.6,
N,904966,594230,17.3,L2.7,
N,904897,594304,20.3,L2.8,
N,904829,594374,23.3,L2.9
N,904760,594449,26.3,L2.10
N,904698,594514,29.7,L2.11
N,904644,594577,31.8,L2.12
N,904591,594649,33.2,L2.13
N,904541,594729,34,L2.14
N,904494,594818,35.3,L2.15
L12 SB Inner General Lane ST628-640,2,

N,905336,593852,16,L12.1
N,905261,593931,12.9,L12.2
N,905199,593997,11.8,L12.3
N,905154,594043,11.6,L12.4
N,905101,594100,12.3,L12.5
N,905041,594163,14.3,L12.6
N,904972,594236,17.3,L12.7
N,904903,594310,20.3,L12.8
N,904835,594380,23.3,L12.9
N,904766,594454,26.3,L12.10
N,904705,594520,29.7,L12.11
N,904651,594583,31.8,L12.12
N,904598,594655,33.2,L12.13
N,904549,594734,34,L12.14
N,904502,594823,35.3,L12.15
L52 SB Inner HOV Lane ST 628-640,3,
N,905343,593859,16.2,L52.1
N,905268,593938,13,L52.2
N,905206,594004,12,L52.3
N,905162,594050,11.7,L52.4
N,905109,594106,12.5,L52.5
N,905049,594170,14.5,L52.6
N,904979,594244,17.3,L52.7
N,904911,594316,20.5,L52.8
N,904843,594387,23.5,L52.9
N,904774,594461,26.5,L52.10
N,904711,594528,29.5,L52.11
N,904659,594590,31.5,L52.12
N,904606,594662,33,L52.13
N,904557,594739,34,L52.14
N,904511,594827,35.3,L52.15
L51 NB Inner HOV Lane ST 628-640,4,
N,905355,593870,16,L51.1
N,905280,593950,13.2,L51.2
N,905218,594016,12,L51.3
N,905173,594062,11.6,L51.4
N,905121,594119,12.5,L51.5
N,905060,594183,14.5,L51.6
N,904992,594256,17.5,L51.7
N,904924,594326,20.5,L51.8
N,904856,594398,23.5,L51.9
N,904787,594472,26.5,L51.10
N,904718,594545,29.5,L51.11
N,904666,594607,31.5,L51.12
N,904618,594673,32.7,L51.13
N,904568,594756,34,L51.14
N,904526,594835,35,L51.15
L11 NB Inner General Lane ST 628-640,5,
N,905362,593877,15.8,L11.1
N,905287,593957,13,L11.2
N,905225,594023,11.9,L11.3
N,905181,594070,11.5,L11.4
N,905127,594126,12.4,L11.5
N,905066,594189,14.4,L11.6
N,904998,594261,17.3,L11.7
N,904931,594334,20.3,L11.8

N,904864,594404,23.3,L11.9
N,904793,594478,26.3,L11.10
N,904726,594552,29.2,L11.11
N,904674,594614,31.3,L11.12
N,904625,594681,32.7,L11.13
N,904575,594760,33.7,L11.14
N,904534,594840,34.7,L11.15
L1 NB Outer Genral Lane ST 628-640,6,
N,905371,593885,15.8,L1.1
N,905295,593965,13,L1.2
N,905230,594029,11.9,L1.3
N,905187,594077,11.5,L1.4
N,905133,594133,12.4,L1.5
N,905073,594196,14.4,L1.6
N,905005,594269,17.3,L1.7
N,904937,594341,20.3,L1.8
N,904871,594411,23.3,L1.9
N,904799,594486,26.3,L1.10
N,904731,594558,29.2,L1.11
N,904681,594619,31.3,L1.12
N,904632,594686,32.7,L1.13
N,904583,594766,33.7,L1.14
N,904542,594845,34.7,L1.15
L23 NB Manchester Off-ramp Loop,7,
N,905295,593965,13.0,L23.1
N,905239,594038,12.0,L23.2
N,905199,594089,11.5,L23.3
N,905150,594151,11.0,L23.4
N,905148,594207,10.5,L23.5
N,905186,594223,10.0,L23.6
N,905230,594209,7.0,L23.7
N,905263,594137,5.7,L23.8
N,905286,594076,4.8,L23.9
L24 SB Manchester Ave. Access Ramp,8,
N,905042,593976,5.3,L24.1
N,905027,594026,6.4,L24.2
N,905018,594073,8.3,L24.3
N,905041,594095,9.3,L24.4
N,905060,594095,10.2,L24.5
N,905076,594086,11,L24.6
N,905150,594019,11.1,L24.7
N,905221,593948,11.9,L24.8
N,905255,593914,13,L24.9
N,905328,593844,16,L24.10
L21 NB Manchester ave on ramp,9,
N,905293,594084,5,L21.1
N,905278,594120,5,L21.2
N,905246,594194,7.8,L21.3
N,905226,594217,9,L21.4
N,905198,594229,10,L21.5
N,905100,594232,13.5,L21.6
N,905061,594241,15.5,L21.7
N,905026,594261,16.1,L21.8
N,904997,594288,17.5,L21.9
N,904940,594343,19.9,L21.10
N,904871,594411,23.3,L21.11

L22 SB off ramp to Manchester ave,10,
N,905034,593976,5.2,L22.1
N,905017,594034,6,L22.2
N,905006,594073,9,L22.3
N,904995,594132,12.2,L22.4
N,904984,594170,14,L22.5
N,904965,594203,15.5,L22.6
N,904902,594283,19.2,L22.7
N,904878,594312,20.5,L22.8
N,904829,594374,23.3,L22.9
L26 SB Birmingham Ave Access Ramp,11,
N,904385,595187,39.6,L26.1
N,904358,595316,40,L26.2
N,904340,595415,41.7,L26.3
N,904328,595473,42.2,L26.4
N,904313,595532,42.9,L26.5
N,904301,595570,44.5,L26.6
N,904278,595623,48.5,L26.7
N,904228,595711,55.8,L26.8
N,904189,595780,59.8,L26.9
L25 SB Birmingham Ave Exit Ramp,12,
N,904406,595402,41.8,L25.1
N,904399,595485,43.8,L25.2
N,904390,595565,45.1,L25.3
N,904383,595604,45.8,L25.4
N,904376,595644,47.3,L25.5
N,904353,595741,53,L25.6
N,904335,595818,56.3,L25.7
L14 SB Outer General Lane ST 640-654,13,
N,904502,594823,35.5,L14.1
N,904463,594916,36.6,L14.2
N,904430,595013,37.7,L14.3
N,904407,595110,38.3,L14.4
N,904394,595189,39.6,L14.5
N,904378,595286,40.5,L14.6
N,904361,595398,41.8,L14.7
N,904345,595495,43,L14.8
N,904322,595592,44.3,L14.9
N,904298,595671,45.3,L14.10
N,904263,595763,47.2,L14.11
N,904227,595838,49.8,L14.12
N,904178,595925,52.8,L14.13
N,904127,596016,55.8,L14.14
N,904079,596104,58.3,L14.15
L54 SB Inner HOV Lane ST 640-654,14,
N,904511,594827,35.3,L54.1
N,904471,594920,36.3,L54.2
N,904440,595016,37.4,L54.3
N,904417,595112,38.5,L54.4
N,904403,595191,39.5,L54.5
N,904387,595288,40.6,L54.6
N,904371,595400,42,L54.7
N,904354,595497,43.3,L54.8
N,904332,595595,44.5,L54.9
N,904308,595674,45.5,L54.10
N,904272,595767,47.5,L54.11

N,904234,595841,50,L54.12
N,904187,595929,53,L54.13
N,904137,596020,56,L54.14
N,904087,596108,58.5,L54.15
L53 NB Inner HOV Lane ST 640-654,15,
N,904526,594835,35,L53.1
N,904487,594927,36.3,L53.2
N,904455,595023,37.4,L53.3
N,904433,595116,38.5,L53.4
N,904421,595192,39.5,L53.5
N,904404,595289,40.7,L53.6
N,904387,595399,42,L53.7
N,904371,595499,43.4,L53.8
N,904349,595599,44.8,L53.9
N,904325,595678,45.8,L53.10
N,904290,595768,47.5,L53.11
N,904252,595844,50,L53.12
N,904201,595937,53,L53.13
N,904152,596028,56,L53.14
N,904103,596117,58.5,L53.15
L13 NB Inner General Lane ST 640-654,16,
N,904534,594840,34.7,L13.1
N,904496,594932,36.3,L13.2
N,904465,595027,37.1,L13.3
N,904442,595119,38.3,L13.4
N,904430,595194,39.3,L13.5
N,904414,595292,40.5,L13.6
N,904397,595401,41.8,L13.7
N,904381,595501,43.3,L13.8
N,904358,595602,45,L13.9
N,904334,595681,46,L13.10
N,904298,595771,47.7,L13.11
N,904262,595848,50.2,L13.12
N,904210,595943,52.8,L13.13
N,904160,596033,55.8,L13.14
N,904110,596123,58.3,L13.15
L3   NB Outer General Lane ST 640-654,17,
N,904542,594845,34.7,L3.1
N,904504,594936,36.3,L3.2
N,904473,595030,37.1,L3.3
N,904452,595122,38.3,L3.4
N,904439,595196,39.3,L3.5
N,904423,595294,40.5,L3.6
N,904406,595402,41.8,L3.7
N,904390,595503,43.3,L3.8
N,904366,595604,45,L3.9
N,904342,595685,46,L3.10
N,904308,595775,47.7,L3.11
N,904269,595852,50.2,L3.12
N,904217,595948,52.8,L3.13
N,904168,596038,55.8,L3.14
N,904118,596127,58.3,L3.15
L27 NB Brimingham Dr on-ramp,18,
N,904325,595829,56.5,L27.1
N,904305,595852,56.7,L27.2
N,904269,595899,55,L27.3

N,904235,595948,53.2,L27.4
N,904213,595981,53.1,L27.5
N,904171,596049,55.7,L27.6
N,904131,596118,57.7,L27.7
N,904093,596184,59.6,L27.8
N,904026,596295,61.8,L27.9
L28 SB off-ramp to Brimingham Dr,19,
N,904181,595796,59.9,L28.1
N,904162,595867,57.2,L28.2
N,904144,595921,54.8,L28.3
N,904128,595957,53.6,L28.4
N,904112,595994,55.1,L28.5
N,904088,596049,56.7,L28.6
N,904067,596096,57.9,L28.7
N,904034,596165,59.8,L28.8
B1 ROW near Manchester SB off ramp,1,2,0,0
905002,593973,5.2,5.2,B1.1
904996,594039,6,6,B1.2
904985,594148,9.9,9.9,B1.3
904982,594156,10.5,10.5,B1.4
904976,594165,13.5,13.5,B1.5
904962,594189,15,15,B1.6
904928,594232,17,17,B1.7
904906,594248,21,21,B1.7A
B1 ROW near Manchester SB off ramp,2,2,0,0
904906,594248,21,21,B1.7A
904890,594268,21.2,21.2,B1.7B
904871,594291,20.8,20.8,B1.7C
904862,594314,21.5,21.5,B1.9
904827,594356,20.3,20.3,B1.10
B2 Natural Barrier,3,2,0,0
904836,594339,20,20,B2.1
904792,594338,36,36,B2.2
904760,594340,54,54,B2.3
B3 Natural Barrier,4,2,0,0
904816,594278,24,24,B3.1
904785,594294,36,36,B3.2
904762,594307,44,44,B3.3
B50 Center divider 628 - 636,5,2,0,0
905350,593864,16.1,17.1,B50.1
905275,593944,13.1,14.1,B50.2
905211,594009,12,13,B50.3
905168,594055,11.7,12.7,B50.4
905114,594113,12.5,13.5,B50.5
905054,594176,14.5,15.5,B50.6
904985,594250,17.5,18.5,B50.7
904916,594322,20.5,21.5,B50.8
904847,594394,23.5,24.5,B50.9
904779,594466,26.5,27.5,B50.10
B51 Center divider 636 - 644,6,2,0,0
904779,594466,26.5,27.5,B51.1
904714,594535,29.5,30.5,B51.2
904663,594598,31.5,32.5,B51.3
904611,594667,32.8,33.8,B51.4
904562,594747,34,35,B51.5
904519,594831,35.1,36.1,B51.6

904481,594925,36.3,37.3,B51.7
904448,595019,37.4,38.4,B51.8
904425,595114,38.5,39.5,B51.9
904413,595192,39.5,40.5,B51.10
B20 SB Side 3-Story Building near R10,7,2,0,0
904259,595327,37,47.6,B20.1
904307,595332,37,47.6,B20.2
904300,595407,37.8,48.4,B20.3
B5 SB Existing Shoulder 641+50 - 650,8,2,0,0
904443,594952,37,37,B5.1
904433,594985,37.5,37.5,B5.2
904418,595039,38,38,B5.3
904404,595104,38.5,38.5,B5.4
904389,595184,39.6,39.6,B5.5
904369,595291,40.5,40.5,B5.6
904357,595362,41.5,41.5,B5.7
904346,595417,42,42,B5.8
904326,595499,43,43,B5.9
904313,595546,44,44,B5.10
B6 SB Existing Shoulder 648 - 650,9,2,0,0
904313,595546,44,44,B6.1
904299,595587,46,46,B6.2
904272,595642,50,50,B6.3
904240,595700,54,54,B6.4
904210,595751,57.5,57.5,B6.5
B52 Center divider 644 - 653,10,2,0,0
904413,595192,39.5,40.5,B52.1
904397,595289,40.6,41.6,B52.2
904379,595400,42,43,B52.3
904362,595498,43.3,44.3,B52.4
904339,595597,44.6,45.6,B52.5
904316,595676,45.6,46.6,B52.6
904281,595767,47.5,48.5,B52.7
904244,595844,50,51,B52.8
904194,595933,53,54,B52.9
904145,596025,56,57,B52.10
B44 Shoulder of SB Birmingham ramps,11,2,0,0
904235,595685,53.8,53.8,B44.1
904205,595738,57.5,57.5,B44.2
904183,595774,59.8,59.8,B44.3
904167,595801,60,60,B44.4
904157,595866,57.2,57.2,B44.5
904137,595918,54.8,54.8,B44.6
B46 - 3 story Apt Building,12,2,0,0
904209,595480,40.5,51.1,B46.1
904262,595484,40.5,51.1,B46.2
904258,595535,40.5,51.1,B46.3
904248,595541,41,51.6,B46.4
904245,595593,41.4,52,B46.5
B20 Priv Property near Manchester SB off ramp,13,2,0,0
904954,593954,5.5,5.5,B20.1
904948,594020,8.9,8.9,B20.2
904942,594082,9.5,9.5,B20.3
904938,594150,13.5,13.5,B20.4
904973,594156,13.5,13.5,B20.5
904976,594165,13.5,13.5,B20.6

B60 SB Side 3-Story Building near R8.8,14,2,0,0
904293,595093,28,38.6,B60.1
904322,595095,26.5,37.1,B60.2
904319,595139,28,38.6,B60.3
B60 SB Side 3-Story Building near R8.8,15,2,0,0
904319,595145,28,38.6,B60.4
904315,595195,29.5,40.1,B60.5
904277,595192,30,40.6,B60.6
B21 SB Side 3-Story Building near R10,16,2,0,0
904245,595419,40,50.6,B21.1
904300,595422,38.2,48.8,B21.2
R,1,67,4
904943,593987,7,R8.1
R,2,67,4
904936,594072,10.7,R8.2
R,3,67,4
904981,594128,11,R8.3
R,4,67,4
904930,594155,14.5,R8.4A
R,5,67,4
904957,594176,15.3,R8.4
R,6,67,4
904889,594258,22.5,R8.5
R,7,67,4
904838,594305,24.1,R8.6
R,8,67,4
904809,594265,25.3,R8.7
R,9,67,4
904297,595119,29.5,R8.8
R,10,67,4
904272,595373,39.5,R8.9
R,11,67,4
904310,595353,38.5,R8.10
R,11,67,4
904275,595518,41.8,R8.10A
R,12,67,4
904254,595587,42.9,R8.11
R,13,67,4
904106,595643,69.9,R8.12
D,4.5
ALL,ALL
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
08 MANCHESTER TO BIRMINGHAM - WEST-NO BUILD,0,FT

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	-	0.*							B1.1	217.5	
2	-	0.*							B1.2	359.6	
3	-	0.*							B1.3	28.1	
4	-	0.*							B1.4	36.8	
5	-	0.*							B1.5	91.4	
6	-	0.*							B1.6	180.0	
7	-	0.*							B1.7	90.2	
8	-	0.*							B1.7A	84.1	
9	-	0.*							B1.7B	97.8	
10	-	0.*							B1.7C	81.1	
11	-	0.*							B1.9	179.4	
12	-	0.*							B2.1	153.6	
13	-	0.*							B2.2	120.7	
14	-	0.*							B3.1	121.0	
15	-	0.*							B3.2	90.5	
16	-	3.*							B50.1	360.0	
17	-	3.*							B50.2	299.2	
18	-	3.*							B50.3	206.6	
19	-	3.*							B50.4	260.0	
20	-	3.*							B50.5	285.5	
21	-	3.*							B50.6	332.1	
22	-	3.*							B50.7	327.3	
23	-	3.*							B50.8	327.3	
24	-	3.*							B50.9	325.1	
25	-	3.*							B51.1	311.1	
26	-	3.*							B51.2	266.0	
27	-	3.*							B51.3	283.5	
28	-	3.*							B51.4	307.9	
29	-	3.*							B51.5	309.6	
30	-	3.*							B51.6	332.7	
31	-	3.*							B51.7	326.8	
32	-	3.*							B51.8	320.7	
33	-	3.*							B51.9	258.9	
34	-	35.*							B20.1	158.4	
35	-	35.*							B20.2	247.1	
36	-	0.*							B5.1	113.1	

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37    -  0.*                    B5.2      183.9
38    -  0.*                    B5.3      218.1
39    -  0.*                    B5.4      267.1
40    -  0.*                    B5.5      357.2
41    -  0.*                    B5.6      236.2
42    -  0.*                    B5.7      184.0
43    -  0.*                    B5.8      277.0
44    -  0.*                    B5.9      160.0

45    -  0.*                    B6.1      142.3
46    -  0.*                    B6.2      201.4
47    -  0.*                    B6.3      217.7
48    -  0.*                    B6.4      194.5

49    -  3.*                    B52.1     322.5
50    -  3.*                    B52.2     369.0
51    -  3.*                    B52.3     326.3
52    -  3.*                    B52.4     333.5
53    -  3.*                    B52.5     270.0
54    -  3.*                    B52.6     319.9
55    -  3.*                    B52.7     280.5
56    -  3.*                    B52.8     335.1
57    -  3.*                    B52.9     342.1

58    -  0.*                    B44.1     200.2
59    -  0.*                    B44.2     138.6
60    -  0.*                    B44.3     103.0
61    -  0.*                    B44.4     215.9
62    -  0.*                    B44.5     183.0

63    - 35.*                    B46.1     174.3
64    - 35.*                    B46.2     167.8
65    - 35.*                    B46.3      38.3
66    - 35.*                    B46.4     170.9

67    -  0.*                    B20.1     217.7
68    -  0.*                    B20.2     204.4
69    -  0.*                    B20.3     223.9
70    -  0.*                    B20.4     116.5
71    -  0.*                    B20.5      31.1

72    - 35.*                    B60.1      95.4
73    - 35.*                    B60.2     144.8

74    - 35.*                    B60.4     164.6
75    - 35.*                    B60.5     125.0

76    - 35.*                    B21.1     180.8
-------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
--------------------------------
 1  REC 1     67.   500.   65.4
 2  REC 2     67.   500.   67.7
 3  REC 3     67.   500.   72.3
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 4  REC 4     67.    500.   70.6
 5  REC 5     67.    500.   73.6
 6  REC 6     67.    500.   74.6
 7  R8.6      67.    500.   74.1
 8  R8.7      67.    500.   69.2
 9  R8.8      67.    500.   60.0
10  R8.9      67.    500.   61.1
11  R8.10     67.    500.   72.3
12  R8.10A    67.    500.   71.8
13  R8.11     67.    500.   69.3
14  R8.12     67.    500.   66.1
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3.
 3. 3. 3. 3. 3. 3. 3. 3.35.35. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 3.
 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0.35.35.35.35. 0. 0. 0. 0. 0.35.35.35.35.
35.
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08 Manchester to Birmingham - WEST- Build,Bld,Ft
T-L2 SB Outer General Lane ST 628-640,1,
3052,65,122,65,426,65,
T-L12 SB Inner General Lane ST 628-640,2,
5217,65,183,65,0,65,
T-L52 SB HOV Lane ST 628-640,3,
3000,65,0,65,0,65,
T-L51 NB HOV Lane ST 628-640,4,
3000,65,0,65,0,65,
T-L11 NB Inner General Lane ST 628-640,5,
5217,65,183,65,0,65,
T-L1 NB Outer Genral Lane ST 628-640,6,
3052,65,122,65,426,65,
T-L23 NB Manchester Off-ramp Loop,7,
1900,25,48,25,52,25,
T-L24 SB Manchester On-Ramp Loop,8,
1900,25,48,25,52,25
T-L21 NB Manchester On-ramp,9
950,45,24,45,26,45
T-L22 SB Manchester Off-ramp ,10
950,45,24,45,26,45
T-L99 SB Birmingham On-Ramp,11
976,45,14,45,10,45
T-L25 NB Birmingham Ave Off-Ramp,12
976,45,14,45,10,45
T-L14 SB Inner General Lane ST 640-654,13
5217,65,183,65,0,65
T-L54 SB HOV Lane ST 640-654,14
3000,65,0,65,0,65
T-L53 NB HOV Lane ST 640-654,15
3000,65,0,65,0,65
T-L13 NB Inner General Lane ST 640-654,16
5217,65,183,65,0,65
T-L3 NB Outer General Lane ST 640-654,17
3052,65,122,65,426,65
T-L4 SB Outer General Lane ST 640-654,18
3052,65,122,65,426,65
T-L27 NB Brimingham Dr on-ramp,19
976,45,14,45,10,45
T-L28 SB Brimingham off-ramp ,20
976,45,14,45,10,45
L2 SB Outer General Lane ST 628-640,1
N,905192,593991,11.8,L2.3,
N,905149,594036,11.6,L2.4,
N,905095,594094,12.3,L2.5,
N,905035,594157,14,L2.6,
N,904966,594230,17.3,L2.7,
N,904897,594304,20.3,L2.8,
N,904829,594374,23.3,L2.9
N,904760,594449,26.3,L2.10
N,904698,594514,29.7,L2.11
N,904644,594577,31.8,L2.12
N,904591,594649,33.2,L2.13
N,904541,594729,34,L2.14
N,904494,594818,35.3,L2.15
L12 SB Inner General Lane ST628-640,2,

N,905336,593852,16,L12.1
N,905261,593931,12.9,L12.2
N,905199,593997,11.8,L12.3
N,905154,594043,11.6,L12.4
N,905101,594100,12.3,L12.5
N,905041,594163,14.3,L12.6
N,904972,594236,17.3,L12.7
N,904903,594310,20.3,L12.8
N,904835,594380,23.3,L12.9
N,904766,594454,26.3,L12.10
N,904705,594520,29.7,L12.11
N,904651,594583,31.8,L12.12
N,904598,594655,33.2,L12.13
N,904549,594734,34,L12.14
N,904502,594823,35.3,L12.15
L52 SB Inner HOV Lane ST 628-640,3,
N,905343,593859,16.2,L52.1
N,905268,593938,13,L52.2
N,905206,594004,12,L52.3
N,905162,594050,11.7,L52.4
N,905109,594106,12.5,L52.5
N,905049,594170,14.5,L52.6
N,904979,594244,17.3,L52.7
N,904911,594316,20.5,L52.8
N,904843,594387,23.5,L52.9
N,904774,594461,26.5,L52.10
N,904711,594528,29.5,L52.11
N,904659,594590,31.5,L52.12
N,904606,594662,33,L52.13
N,904557,594739,34,L52.14
N,904511,594827,35.3,L52.15
L51 NB Inner HOV Lane ST 628-640,4,
N,905355,593870,16,L51.1
N,905280,593950,13.2,L51.2
N,905218,594016,12,L51.3
N,905173,594062,11.6,L51.4
N,905121,594119,12.5,L51.5
N,905060,594183,14.5,L51.6
N,904992,594256,17.5,L51.7
N,904924,594326,20.5,L51.8
N,904856,594398,23.5,L51.9
N,904787,594472,26.5,L51.10
N,904718,594545,29.5,L51.11
N,904666,594607,31.5,L51.12
N,904618,594673,32.7,L51.13
N,904568,594756,34,L51.14
N,904526,594835,35,L51.15
L11 NB Inner General Lane ST 628-640,5,
N,905362,593877,15.8,L11.1
N,905287,593957,13,L11.2
N,905225,594023,11.9,L11.3
N,905181,594070,11.5,L11.4
N,905127,594126,12.4,L11.5
N,905066,594189,14.4,L11.6
N,904998,594261,17.3,L11.7
N,904931,594334,20.3,L11.8

N,904864,594404,23.3,L11.9
N,904793,594478,26.3,L11.10
N,904726,594552,29.2,L11.11
N,904674,594614,31.3,L11.12
N,904625,594681,32.7,L11.13
N,904575,594760,33.7,L11.14
N,904534,594840,34.7,L11.15
L1 NB Outer Genral Lane ST 628-640,6,
N,905371,593885,15.8,L1.1
N,905295,593965,13,L1.2
N,905230,594029,11.9,L1.3
N,905187,594077,11.5,L1.4
N,905133,594133,12.4,L1.5
N,905073,594196,14.4,L1.6
N,905005,594269,17.3,L1.7
N,904937,594341,20.3,L1.8
N,904871,594411,23.3,L1.9
N,904799,594486,26.3,L1.10
N,904731,594558,29.2,L1.11
N,904681,594619,31.3,L1.12
N,904632,594686,32.7,L1.13
N,904583,594766,33.7,L1.14
N,904542,594845,34.7,L1.15
L23 NB Manchester Off-ramp Loop,7,
N,905371,593885,15.8,L23.1
N,905319,593954,13.1,L23.2
N,905255,594033,11.6,L23.3
N,905193,594113,10.6,L23.4
N,905176,594147,10.2,L23.5
N,905180,594182,9.6,L23.6
N,905191,594195,9.2,L23.7
N,905205,594205,8.5,L23.8
N,905222,594209,7.6,L23.9
N,905241,594207,6.6,L23.10
N,905255,594198,5.5,L23.11
N,905306,594093,4,L23.12
L24 SB Manchester Ave. Access Ramp,8,
N,905328,593844,16,L24.1
N,905289,593872,13.5,L24.2
N,905219,593946,12.3,L24.3
N,905149,594017,11.2,L24.4
N,905091,594073,11.4,L24.5
N,905062,594095,11,L24.6
N,905043,594097,10.4,L24.7
N,905027,594087,9.6,L24.8
N,905018,594068,8.6,L24.9
N,905022,594050,7.7,L24.10
N,905046,593974,5.2,L24.11
L21 NB Manchester ave on ramp,9,
N,905321,594095,3.8,L21.1
N,905279,594187,4.7,L21.2
N,905268,594205,5.7,L21.3
N,905249,594223,6.8,L21.4
N,905224,594232,7.9,L21.5
N,905156,594228,10.7,L21.6
N,905118,594225,12.4,L21.7

N,905080,594232,14,L21.8
N,905044,594251,15.4,L21.9
N,904974,594321,18.5,L21.10
N,904932,594363,20.4,L21.11
N,904871,594411,23.3,L21.12
L22 SB off ramp to Manchester ave,10,
N,905033,593976,5.1,L22.1
N,905011,594053,7.6,L22.2
N,905006,594093,10.1,L22.3
N,905005,594113,11.4,L22.4
N,904994,594152,13.6,L22.5
N,904974,594185,15.2,L22.6
N,904925,594247,17.7,L22.7
N,904876,594308,20.4,L22.8
N,904829,594374,23.3,L22.9
L99 SB Birmingham Ave Access Ramp,11,
N,904361,595398,41.8,L99.1
N,904344,595454,42.8,L99.2
N,904331,595501,42.8,L99.3
N,904321,595538,44,L99.4
N,904302,595590,46,L99.5
N,904286,595630,48,L99.6
N,904253,595686,52,L99.7
N,904228,595730,55,L99.8
N,904202,595778,59.8,L99.9
L25 SB Birmingham Ave Exit Ramp,12,
N,904406,595402,41.8,L25.1
N,904400,595468,43,L25.2
N,904395,595525,44.4,L25.3
N,904387,595584,45.4,L25.4
N,904373,595664,48.2,L25.5
N,904361,595722,51.3,L25.6
N,904348,595781,54.8,L25.7
N,904347,595807,55.6,L25.8
L14 SB Outer General Lane ST 640-654,13,
N,904502,594823,35.5,L14.1
N,904463,594916,36.6,L14.2
N,904430,595013,37.7,L14.3
N,904407,595110,38.3,L14.4
N,904394,595189,39.6,L14.5
N,904378,595286,40.5,L14.6
N,904361,595398,41.8,L14.7
N,904345,595495,43,L14.8
N,904322,595592,44.3,L14.9
N,904298,595671,45.3,L14.10
N,904263,595763,47.2,L14.11
N,904227,595838,49.8,L14.12
N,904178,595925,52.8,L14.13
N,904127,596016,55.8,L14.14
N,904079,596104,58.3,L14.15
L54 SB Inner HOV Lane ST 640-654,14,
N,904511,594827,35.3,L54.1
N,904471,594920,36.3,L54.2
N,904440,595016,37.4,L54.3
N,904417,595112,38.5,L54.4
N,904403,595191,39.5,L54.5

N,904387,595288,40.6,L54.6
N,904371,595400,42,L54.7
N,904354,595497,43.3,L54.8
N,904332,595595,44.5,L54.9
N,904308,595674,45.5,L54.10
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N,904187,595929,53,L54.13
N,904137,596020,56,L54.14
N,904087,596108,58.5,L54.15
L53 NB Inner HOV Lane ST 640-654,15,
N,904526,594835,35,L53.1
N,904487,594927,36.3,L53.2
N,904455,595023,37.4,L53.3
N,904433,595116,38.5,L53.4
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N,904201,595937,53,L53.13
N,904152,596028,56,L53.14
N,904103,596117,58.5,L53.15
L13 NB Inner General Lane ST 640-654,16,
N,904534,594840,34.7,L13.1
N,904496,594932,36.3,L13.2
N,904465,595027,37.1,L13.3
N,904442,595119,38.3,L13.4
N,904430,595194,39.3,L13.5
N,904414,595292,40.5,L13.6
N,904397,595401,41.8,L13.7
N,904381,595501,43.3,L13.8
N,904358,595602,45,L13.9
N,904334,595681,46,L13.10
N,904298,595771,47.7,L13.11
N,904262,595848,50.2,L13.12
N,904210,595943,52.8,L13.13
N,904160,596033,55.8,L13.14
N,904110,596123,58.3,L13.15
L3   NB Outer General Lane ST 640-654,17,
N,904542,594845,34.7,L3.1
N,904504,594936,36.3,L3.2
N,904473,595030,37.1,L3.3
N,904452,595122,38.3,L3.4
N,904439,595196,39.3,L3.5
N,904423,595294,40.5,L3.6
N,904406,595402,41.8,L3.7
N,904390,595503,43.3,L3.8
N,904366,595604,45,L3.9
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N,904269,595852,50.2,L3.12
N,904217,595948,52.8,L3.13

N,904168,596038,55.8,L3.14
N,904118,596127,58.3,L3.15
L4 SB Outer General Lane ST 640-654,18,
N,904494,594818,35.5,L4.1
N,904453,594913,36.6,L4.2
N,904421,595011,37.7,L4.3
N,904399,595107,38.5,L4.4
N,904385,595187,39.6,L4.5
N,904369,595285,40.5,L4.6
N,904351,595396,41.8,L4.7
N,904336,595494,43,L4.8
N,904314,595589,44.3,L4.9
N,904290,595668,45.3,L4.10
N,904255,595759,47.2,L4.11
N,904217,595833,49.8,L4.12
N,904170,595921,52.8,L4.13
N,904119,596012,55.8,L4.14
N,904071,596099,58.3,L4.15
L27 NB Brimingham Dr on-ramp,19,
N,904306,595834,56.9,L27.1
N,904296,595844,57,L27.2
N,904281,595881,56.6,L27.3
N,904251,595934,55.1,L27.4
N,904220,595985,54.4,L27.5
N,904187,596036,55.1,L27.6
N,904154,596085,56.7,L27.7
N,904121,596136,58.1,L27.8
N,904091,596187,59.4,L27.9
N,904072,596221,60,L27.10
N,904026,596295,61.8,L27.11
L28 SB off-ramp to Brimingham Dr,20,
N,904181,595796,59.9,L28.1
N,904162,595867,57.2,L28.2
N,904144,595921,54.8,L28.3
N,904128,595957,53.6,L28.4
N,904112,595994,55.1,L28.5
N,904088,596049,56.7,L28.6
N,904067,596096,57.9,L28.7
N,904034,596165,59.8,L28.8
B1 ROW near Manchester SB off ramp,1,2,0,0
905002,593973,5.2,5.2,B1.1
904996,594039,6,6,B1.2
904985,594148,9.9,9.9,B1.3
904982,594156,10.5,10.5,B1.4
904976,594165,13.5,13.5,B1.5
904976,594165,13.5,14.5,B1.5
904962,594189,15,16,B1.6
904928,594232,17,18,B1.7
904906,594248,21,22,B1.7A
B1 ROW near Manchester SB off ramp,2,2,0,0
904906,594248,21,21,B1.7A
904890,594268,21.2,21.2,B1.7B
904871,594291,20.8,20.8,B1.7C
904862,594313,21.6,21.6,B1.9
B2 Natural Barrier,3,2,0,0
904836,594341,21.9,21.9,B2.1A

904836,594339,20,20,B2.1,
904792,594338,36,36,B2.2,
904760,594340,54,54,B2.3,
B3 Natural Barrier,4,2,0,0,
904816,594278,24,24,B3.1,
904785,594294,36,36,B3.2,
904762,594307,44,44,B3.3,
B104 SB Future Shoulder 641+50 - 650,5,2,0,0,
904437,594925,37.2,38.1,B104.1,
904407,595017,38.1,39,B104.2,
904385,595118,39.4,40.3,B104.3,
904371,595197,39.8,40.7,B104.4,
904356,595296,40.9,41.8,B104.5,
904346,595355,41,41.9,B104.6,
904334,595413,41.6,42.5,B104.7,
904316,595474,42.2,43.1,B104.8,
904315,595485,42.2,43.1,B104.9,
904297,595547,43.5,44.4,B104.10,
B50 Center divider 628 - 636,6,2,0,0,
905350,593864,16.1,17.1,B50.1,
905275,593944,13.1,14.1,B50.2,
905211,594009,12,13,B50.3,
905168,594055,11.7,12.7,B50.4,
905114,594113,12.5,13.5,B50.5,
905054,594176,14.5,15.5,B50.6,
904985,594250,17.5,18.5,B50.7,
904916,594322,20.5,21.5,B50.8,
904847,594394,23.5,24.5,B50.9,
904779,594466,26.5,27.5,B50.10,
B51 Center divider 636 - 644,7,2,0,0,
904779,594466,26.5,27.5,B51.1,
904714,594535,29.5,30.5,B51.2,
904663,594598,31.5,32.5,B51.3,
904611,594667,32.8,33.8,B51.4,
904562,594747,34,35,B51.5,
904519,594831,35.1,36.1,B51.6,
904481,594925,36.3,37.3,B51.7,
904448,595019,37.4,38.4,B51.8,
904425,595114,38.5,39.5,B51.9,
904413,595192,39.5,40.5,B51.10,
B20 SB Side 3-Story Building near R10,8,2,0,0,
904259,595327,37,47.6,B20.1,
904307,595332,37,47.6,B20.2,
904300,595407,37.8,48.4,B20.3,
B52 Center divider 644 - 653,9,2,0,0,
904413,595192,39.5,40.5,B52.1,
904397,595289,40.6,41.6,B52.2,
904379,595400,42,43,B52.3,
904362,595498,43.3,44.3,B52.4,
904339,595597,44.6,45.6,B52.5,
904316,595676,45.6,46.6,B52.6,
904281,595767,47.5,48.5,B52.7,
904244,595844,50,51,B52.8,
904194,595933,53,54,B52.9,
904145,596025,56,57,B52.10,
B144 Shoulder of SB Birmingham ramps,10,2,0,0,

904297,595547,43.5,44.4,B144.1,
904276,595603,47.2,48.1,B144.2,
904269,595617,48.1,49,B144.3,
904269,595617,48.1,48.1,B144.3,
904217,595718,55.5,55.5,B144.4a,
904209,595746,57.8,57.8,B144.5a,
904197,595761,58.6,58.6,B144.6a,
904167,595801,60,60,B44.4,
904157,595866,57.2,57.2,B44.5,
904137,595918,54.8,54.8,B44.6,
B46 - 3 story Apt Building,11,2,0,0,
904209,595480,40.5,51.2,B46.1,
904262,595484,40.5,51.2,B46.2,
904258,595535,40.5,51.2,B46.3,
904248,595541,41,51.7,B46.4,
904245,595593,41.4,52.1,B46.5,
B47 - Shoulder by loop ramp,12,2,0,0,
905131,594044,11.9,11.9,B47.1,
905089,594087,12.3,12.3,B47.2,
905027,594146,14.3,14.3,B47.3,
904986,594196,15.8,15.8,B47.4,
904912,594281,17.3,17.3,B47.5,
B148 - by Retaining Wall,13,2,0,0,
904871,594304,20.4,20.4,B148.1,
904862,594313,21.6,21.6,B148.1A,
904836,594341,21.9,21.9,B148.2,
904805,594375,23.7,23.7,B148.3,
B100 - Buildings 2 story in front of R8.7,14,2,0,0,
904888,594239,21,31,B100.1,
904838,594300,23,33,B100.2,
B20 Priv Property near Manchester SB off ramp,15,2,0,0,
904954,593954,5.5,5.5,B20.1,
904948,594020,8.9,8.9,B20.2,
904942,594082,9.5,9.5,B20.3,
904938,594150,13.5,13.5,B20.4,
904973,594156,13.5,13.5,B20.5,
904976,594165,13.5,13.5,B20.6,
B60 SB Side 3-Story Building near R8.8,16,2,0,0,
904293,595093,28,38.6,B60.1,
904322,595095,26.5,37.1,B60.2,
904319,595139,28,38.6,B60.3,
B60 SB Side 3-Story Building near R8.8,17,2,0,0,
904319,595145,28,38.6,B60.4,
904315,595195,29.5,40.1,B60.5,
904277,595192,30,40.6,B60.6,
B21 SB Side 3-Story Building near R10,18,2,0,0,
904245,595419,40,50.6,B21.1,
904300,595422,38.2,48.8,B21.2,
R,1,67,4
904943,593987,7,R8.1
R,2,67,4
904936,594072,10.7,R8.2
R,3,67,4
904981,594128,11,R8.3
R,4,67,4
904930,594155,14.5,R8.4A

R,5,67,4
904957,594176,15.3,R8.4
R,6,67,4
904889,594258,22.5,R8.5
R,7,67,4
904838,594305,24.1,R8.6
R,8,67,4
904809,594265,25.3,R8.7
R,9,67,4
904297,595119,29.5,R8.8
R,10,67,4
904272,595373,39.5,R8.9
R,11,67,4
904310,595353,38.5,R8.10
R,11,67,4
904275,595518,41.8,R8.10A
R,12,67,4
904254,595587,42.9,R8.11
R,13,67,4
904106,595643,69.9,R8.12
D,4.5
ALL,ALL
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
08 MANCHESTER TO BIRMINGHAM - WEST- BUILD,BLD,FT

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	-	0.*							B1.1	217.5	
2	-	0.*							B1.2	359.6	
3	-	0.*							B1.3	28.1	
4	-	0.*							B1.4	36.8	
5	-	2.*							B1.5	3.3	
6	-	3.*							B1.5	91.4	
7	-	3.*							B1.6	180.0	
8	-	3.*							B1.7	90.2	
9	-	0.*							B1.7A	84.1	
10	-	0.*							B1.7B	97.8	
11	-	0.*							B1.7C	78.1	
12	-	0.*							B2.1A	9.1	
13	-	0.*							B2.1	153.6	
14	-	0.*							B2.2	120.7	
15	-	0.*							B3.1	121.0	
16	-	0.*							B3.2	90.5	
17	-	3.*							B104.1	317.5	
18	-	3.*							B104.2	339.2	
19	-	3.*							B104.3	263.2	
20	-	3.*							B104.4	328.5	
21	-	3.*							B104.5	196.3	
22	-	3.*							B104.6	194.3	
23	-	3.*							B104.7	208.8	
24	-	3.*							B104.8	36.2	
25	-	3.*							B104.9	211.9	
26	-	3.*							B50.1	360.0	
27	-	3.*							B50.2	299.2	
28	-	3.*							B50.3	206.6	
29	-	3.*							B50.4	260.0	
30	-	3.*							B50.5	285.5	
31	-	3.*							B50.6	332.1	
32	-	3.*							B50.7	327.3	
33	-	3.*							B50.8	327.3	
34	-	3.*							B50.9	325.1	
35	-	3.*							B51.1	311.1	
36	-	3.*							B51.2	266.0	
37	-	3.*							B51.3	283.5	

38	- 3.*	B51.4	307.9
39	- 3.*	B51.5	309.6
40	- 3.*	B51.6	332.7
41	- 3.*	B51.7	326.8
42	- 3.*	B51.8	320.7
43	- 3.*	B51.9	258.9
44	- 35.*	B20.1	158.4
45	- 35.*	B20.2	247.1
46	- 3.*	B52.1	322.5
47	- 3.*	B52.2	369.0
48	- 3.*	B52.3	326.3
49	- 3.*	B52.4	333.5
50	- 3.*	B52.5	270.0
51	- 3.*	B52.6	319.9
52	- 3.*	B52.7	280.5
53	- 3.*	B52.8	335.1
54	- 3.*	B52.9	342.1
55	- 3.*	B144.1	196.6
56	- 3.*	B144.2	51.4
57	- 2.*	B144.3	3.0
58	- 0.*	B144.3	373.5
59	- 0.*	B144.4A	95.8
60	- 0.*	B144.5A	63.2
61	- 0.*	B144.6A	164.1
62	- 0.*	B44.4	215.9
63	- 0.*	B44.5	183.0
64	- 35.*	B46.1	174.3
65	- 35.*	B46.2	167.8
66	- 35.*	B46.3	38.3
67	- 35.*	B46.4	170.9
68	- 0.*	B47.1	197.2
69	- 0.*	B47.2	280.9
70	- 0.*	B47.3	212.2
71	- 0.*	B47.4	369.8
72	- 0.*	B148.1	42.0
73	- 0.*	B148.1A	125.4
74	- 0.*	B148.2	151.0
75	- 33.*	B100.1	258.9
76	- 0.*	B20.1	217.7
77	- 0.*	B20.2	204.4
78	- 0.*	B20.3	223.9
79	- 0.*	B20.4	116.5
80	- 0.*	B20.5	31.1
81	- 35.*	B60.1	95.4
82	- 35.*	B60.2	144.8
83	- 35.*	B60.4	164.6

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84    - 35.*                        B60.5     125.0

85    - 35.*                        B21.1     180.8
-------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
---------------------------------
 1  R8.1      67.    500.   67.6
 2  R8.2      67.    500.   69.8
 3  R8.3      67.    500.   74.3
 4  R8.4A     67.    500.   72.7
 5  R8.4      67.    500.   75.6
 6  R8.5      67.    500.   77.5
 7  R8.6      67.    500.   76.7
 8  R8.7      67.    500.   68.3
 9  R8.8      67.    500.   61.6
10  R8.9      67.    500.   63.3
11  R8.10     67.    500.   73.3
12  R8.10A    67.    500.   73.5
13  R8.11     67.    500.   69.6
14  R8.12     67.    500.   68.3
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 0. 0. 0. 0. 2. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3.
 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.35.35. 3. 3. 3. 3. 3.
 3. 3. 3. 3. 3. 3. 2. 0. 0. 0. 0. 0. 0.35.35.35.35. 0. 0. 0. 0. 0. 0. 0.33.
 0. 0. 0. 0. 0.35.35.35.35.35.
```

08 Manchester to Birmingham - WEST- DGN,DGN,ft
T-L2 SB Outer General Lane ST 628-640,1,
3052,65,122,65,426,65,
T-L12 SB Inner General Lane ST 628-640,2,
5217,65,183,65,0,65,
T-L52 SB HOV Lane ST 628-640,3,
3000,65,0,65,0,65,
T-L51 NB HOV Lane ST 628-640,4,
3000,65,0,65,0,65,
T-L11 NB Inner General Lane ST 628-640,5,
5217,65,183,65,0,65,
T-L1 NB Outer Genral Lane ST 628-640,6,
3052,65,122,65,426,65,
T-L23 NB Manchester Off-ramp Loop,7,
1900,25,48,25,52,25,
T-L24 SB Manchester On-Ramp Loop,8,
1900,25,48,25,52,25
T-L21 NB Manchester On-ramp,9
950,45,24,45,26,45
T-L22 SB Manchester Off-ramp ,10
950,45,24,45,26,45
T-L99 SB Birmingham On-Ramp,11
976,45,14,45,10,45
T-L25 NB Birmingham Ave Off-Ramp,12
976,45,14,45,10,45
T-L14 SB Inner General Lane ST 640-654,13
5217,65,183,65,0,65
T-L54 SB HOV Lane ST 640-654,14
3000,65,0,65,0,65
T-L53 NB HOV Lane ST 640-654,15
3000,65,0,65,0,65
T-L13 NB Inner General Lane ST 640-654,16
5217,65,183,65,0,65
T-L3 NB Outer General Lane ST 640-654,17
3052,65,122,65,426,65
T-L4 SB Outer General Lane ST 640-654,18
3052,65,122,65,426,65
T-L27 NB Brimingham Dr on-ramp,19
976,45,14,45,10,45
T-L28 SB Brimingham off-ramp ,20
976,45,14,45,10,45
L2 SB Outer General Lane ST 628-640,1
N,905192,593991,11.8,L2.3,
N,905149,594036,11.6,L2.4,
N,905095,594094,12.3,L2.5,
N,905035,594157,14,L2.6,
N,904966,594230,17.3,L2.7,
N,904897,594304,20.3,L2.8,
N,904829,594374,23.3,L2.9
N,904760,594449,26.3,L2.10
N,904698,594514,29.7,L2.11
N,904644,594577,31.8,L2.12
N,904591,594649,33.2,L2.13
N,904541,594729,34,L2.14
N,904494,594818,35.3,L2.15
L12 SB Inner General Lane ST628-640,2,

N,905336,593852,16,L12.1
N,905261,593931,12.9,L12.2
N,905199,593997,11.8,L12.3
N,905154,594043,11.6,L12.4
N,905101,594100,12.3,L12.5
N,905041,594163,14.3,L12.6
N,904972,594236,17.3,L12.7
N,904903,594310,20.3,L12.8
N,904835,594380,23.3,L12.9
N,904766,594454,26.3,L12.10
N,904705,594520,29.7,L12.11
N,904651,594583,31.8,L12.12
N,904598,594655,33.2,L12.13
N,904549,594734,34,L12.14
N,904502,594823,35.3,L12.15
L52 SB Inner HOV Lane ST 628-640,3,
N,905343,593859,16.2,L52.1
N,905268,593938,13,L52.2
N,905206,594004,12,L52.3
N,905162,594050,11.7,L52.4
N,905109,594106,12.5,L52.5
N,905049,594170,14.5,L52.6
N,904979,594244,17.3,L52.7
N,904911,594316,20.5,L52.8
N,904843,594387,23.5,L52.9
N,904774,594461,26.5,L52.10
N,904711,594528,29.5,L52.11
N,904659,594590,31.5,L52.12
N,904606,594662,33,L52.13
N,904557,594739,34,L52.14
N,904511,594827,35.3,L52.15
L51 NB Inner HOV Lane ST 628-640,4,
N,905355,593870,16,L51.1
N,905280,593950,13.2,L51.2
N,905218,594016,12,L51.3
N,905173,594062,11.6,L51.4
N,905121,594119,12.5,L51.5
N,905060,594183,14.5,L51.6
N,904992,594256,17.5,L51.7
N,904924,594326,20.5,L51.8
N,904856,594398,23.5,L51.9
N,904787,594472,26.5,L51.10
N,904718,594545,29.5,L51.11
N,904666,594607,31.5,L51.12
N,904618,594673,32.7,L51.13
N,904568,594756,34,L51.14
N,904526,594835,35,L51.15
L11 NB Inner General Lane ST 628-640,5,
N,905362,593877,15.8,L11.1
N,905287,593957,13,L11.2
N,905225,594023,11.9,L11.3
N,905181,594070,11.5,L11.4
N,905127,594126,12.4,L11.5
N,905066,594189,14.4,L11.6
N,904998,594261,17.3,L11.7
N,904931,594334,20.3,L11.8

N,904864,594404,23.3,L11.9
N,904793,594478,26.3,L11.10
N,904726,594552,29.2,L11.11
N,904674,594614,31.3,L11.12
N,904625,594681,32.7,L11.13
N,904575,594760,33.7,L11.14
N,904534,594840,34.7,L11.15
L1 NB Outer Genral Lane ST 628-640,6,
N,905371,593885,15.8,L1.1
N,905295,593965,13,L1.2
N,905230,594029,11.9,L1.3
N,905187,594077,11.5,L1.4
N,905133,594133,12.4,L1.5
N,905073,594196,14.4,L1.6
N,905005,594269,17.3,L1.7
N,904937,594341,20.3,L1.8
N,904871,594411,23.3,L1.9
N,904799,594486,26.3,L1.10
N,904731,594558,29.2,L1.11
N,904681,594619,31.3,L1.12
N,904632,594686,32.7,L1.13
N,904583,594766,33.7,L1.14
N,904542,594845,34.7,L1.15
L23 NB Manchester Off-ramp Loop,7,
N,905371,593885,15.8,L23.1
N,905319,593954,13.1,L23.2
N,905255,594033,11.6,L23.3
N,905193,594113,10.6,L23.4
N,905176,594147,10.2,L23.5
N,905180,594182,9.6,L23.6
N,905191,594195,9.2,L23.7
N,905205,594205,8.5,L23.8
N,905222,594209,7.6,L23.9
N,905241,594207,6.6,L23.10
N,905255,594198,5.5,L23.11
N,905306,594093,4,L23.12
L24 SB Manchester Ave. Access Ramp,8,
N,905328,593844,16,L24.1
N,905289,593872,13.5,L24.2
N,905219,593946,12.3,L24.3
N,905149,594017,11.2,L24.4
N,905091,594073,11.4,L24.5
N,905062,594095,11,L24.6
N,905043,594097,10.4,L24.7
N,905027,594087,9.6,L24.8
N,905018,594068,8.6,L24.9
N,905022,594050,7.7,L24.10
N,905046,593974,5.2,L24.11
L21 NB Manchester ave on ramp,9,
N,905321,594095,3.8,L21.1
N,905279,594187,4.7,L21.2
N,905268,594205,5.7,L21.3
N,905249,594223,6.8,L21.4
N,905224,594232,7.9,L21.5
N,905156,594228,10.7,L21.6
N,905118,594225,12.4,L21.7

N,905080,594232,14,L21.8
N,905044,594251,15.4,L21.9
N,904974,594321,18.5,L21.10
N,904932,594363,20.4,L21.11
N,904871,594411,23.3,L21.12
L22 SB off ramp to Manchester ave,10,
N,905033,593976,5.1,L22.1
N,905011,594053,7.6,L22.2
N,905006,594093,10.1,L22.3
N,905005,594113,11.4,L22.4
N,904994,594152,13.6,L22.5
N,904974,594185,15.2,L22.6
N,904925,594247,17.7,L22.7
N,904876,594308,20.4,L22.8
N,904829,594374,23.3,L22.9
L99 SB Birmingham Ave Access Ramp,11,
N,904361,595398,41.8,L99.1
N,904344,595454,42.8,L99.2
N,904331,595501,42.8,L99.3
N,904321,595538,44,L99.4
N,904302,595590,46,L99.5
N,904286,595630,48,L99.6
N,904253,595686,52,L99.7
N,904228,595730,55,L99.8
N,904202,595778,59.8,L99.9
L25 NB Birmingham Ave Exit Ramp,12,
N,904406,595402,41.8,L25.1
N,904400,595468,43,L25.2
N,904395,595525,44.4,L25.3
N,904387,595584,45.4,L25.4
N,904373,595664,48.2,L25.5
N,904361,595722,51.3,L25.6
N,904348,595781,54.8,L25.7
N,904347,595807,55.6,L25.8
L14 SB Outer General Lane ST 640-654,13,
N,904502,594823,35.5,L14.1
N,904463,594916,36.6,L14.2
N,904430,595013,37.7,L14.3
N,904407,595110,38.3,L14.4
N,904394,595189,39.6,L14.5
N,904378,595286,40.5,L14.6
N,904361,595398,41.8,L14.7
N,904345,595495,43,L14.8
N,904322,595592,44.3,L14.9
N,904298,595671,45.3,L14.10
N,904263,595763,47.2,L14.11
N,904227,595838,49.8,L14.12
N,904178,595925,52.8,L14.13
N,904127,596016,55.8,L14.14
N,904079,596104,58.3,L14.15
L54 SB Inner HOV Lane ST 640-654,14,
N,904511,594827,35.3,L54.1
N,904471,594920,36.3,L54.2
N,904440,595016,37.4,L54.3
N,904417,595112,38.5,L54.4
N,904403,595191,39.5,L54.5

N,904387,595288,40.6,L54.6
N,904371,595400,42,L54.7
N,904354,595497,43.3,L54.8
N,904332,595595,44.5,L54.9
N,904308,595674,45.5,L54.10
N,904272,595767,47.5,L54.11
N,904234,595841,50,L54.12
N,904187,595929,53,L54.13
N,904137,596020,56,L54.14
N,904087,596108,58.5,L54.15
L53 NB Inner HOV Lane ST 640-654,15,
N,904526,594835,35,L53.1
N,904487,594927,36.3,L53.2
N,904455,595023,37.4,L53.3
N,904433,595116,38.5,L53.4
N,904421,595192,39.5,L53.5
N,904404,595289,40.7,L53.6
N,904387,595399,42,L53.7
N,904371,595499,43.4,L53.8
N,904349,595599,44.8,L53.9
N,904325,595678,45.8,L53.10
N,904290,595768,47.5,L53.11
N,904252,595844,50,L53.12
N,904201,595937,53,L53.13
N,904152,596028,56,L53.14
N,904103,596117,58.5,L53.15
L13 NB Inner General Lane ST 640-654,16,
N,904534,594840,34.7,L13.1
N,904496,594932,36.3,L13.2
N,904465,595027,37.1,L13.3
N,904442,595119,38.3,L13.4
N,904430,595194,39.3,L13.5
N,904414,595292,40.5,L13.6
N,904397,595401,41.8,L13.7
N,904381,595501,43.3,L13.8
N,904358,595602,45,L13.9
N,904334,595681,46,L13.10
N,904298,595771,47.7,L13.11
N,904262,595848,50.2,L13.12
N,904210,595943,52.8,L13.13
N,904160,596033,55.8,L13.14
N,904110,596123,58.3,L13.15
L3   NB Outer General Lane ST 640-654,17,
N,904542,594845,34.7,L3.1
N,904504,594936,36.3,L3.2
N,904473,595030,37.1,L3.3
N,904452,595122,38.3,L3.4
N,904439,595196,39.3,L3.5
N,904423,595294,40.5,L3.6
N,904406,595402,41.8,L3.7
N,904390,595503,43.3,L3.8
N,904366,595604,45,L3.9
N,904342,595685,46,L3.10
N,904308,595775,47.7,L3.11
N,904269,595852,50.2,L3.12
N,904217,595948,52.8,L3.13

N,904168,596038,55.8,L3.14
N,904118,596127,58.3,L3.15
L4 SB Outer General Lane ST 640-654,18,
N,904494,594818,35.5,L4.1
N,904453,594913,36.6,L4.2
N,904421,595011,37.7,L4.3
N,904399,595107,38.5,L4.4
N,904385,595187,39.6,L4.5
N,904369,595285,40.5,L4.6
N,904351,595396,41.8,L4.7
N,904336,595494,43,L4.8
N,904314,595589,44.3,L4.9
N,904290,595668,45.3,L4.10
N,904255,595759,47.2,L4.11
N,904217,595833,49.8,L4.12
N,904170,595921,52.8,L4.13
N,904119,596012,55.8,L4.14
N,904071,596099,58.3,L4.15
L27 NB Brimingham Dr on-ramp,19,
N,904306,595834,56.9,L27.1
N,904296,595844,57,L27.2
N,904281,595881,56.6,L27.3
N,904251,595934,55.1,L27.4
N,904220,595985,54.4,L27.5
N,904187,596036,55.1,L27.6
N,904154,596085,56.7,L27.7
N,904121,596136,58.1,L27.8
N,904091,596187,59.4,L27.9
N,904072,596221,60,L27.10
N,904026,596295,61.8,L27.11
L28 SB off-ramp to Brimingham Dr,20,
N,904181,595796,59.9,L28.1
N,904162,595867,57.2,L28.2
N,904144,595921,54.8,L28.3
N,904128,595957,53.6,L28.4
N,904112,595994,55.1,L28.5
N,904088,596049,56.7,L28.6
N,904067,596096,57.9,L28.7
N,904034,596165,59.8,L28.8
B1 ROW near Manchester SB off ramp,1,2,0,0
905002,593973,5.2,5.2,B1.1,
904996,594039,6,6,B1.2,
904990,594090,8,8,B1.2A,
904990,594090,8,11.7,B1.2A,
904985,594148,9.9,13.6,B1.3,
904982,594156,10.5,14.2,B1.4,
904976,594165,13.5,17.2,B1.5,
904976,594165,13.5,17.2,B1.5,
904962,594189,15,18.7,B1.6,
904928,594232,17,20.7,B1.7,
904906,594248,21,24.7,B1.7A,
B1 ROW near Manchester SB off ramp,2,2,0,0,
904906,594248,21,24.7,B1.7A,
904890,594268,21.2,24.9,B1.7B,
904871,594291,20.8,24.5,B1.7C,
904862,594307,21.3,25.0,B1.9,

B2 Natural Barrier,3,2,0,0
904836,594341,21.9,21.9,B2.1A
904836,594339,20,20,B2.1
904792,594338,36,36,B2.2
904760,594340,54,54,B2.3
B3 Natural Barrier,4,2,0,0
904816,594278,24,24,B3.1
904785,594294,36,36,B3.2
904762,594307,44,44,B3.3
B104 SB Future Shoulder 641+50 - 650,5,2,0,0
904437,594925,37.2,38.1,B104.1
904407,595017,38.1,39.0,B104.2
904385,595118,39.4,40.3,B104.3
904371,595197,39.8,40.7,B104.4
904356,595296,40.9,41.8,B104.5
904346,595355,41,41.9,B104.6
904334,595413,41.6,42.5,B104.7
904316,595474,42.2,43.1,B104.8
904316,595474,42.2,46.5,B104.8
904315,595485,42.2,46.5,B104.9
904297,595547,43.5,47.8,B104.10
B50 Center divider 628 - 636,6,2,0,0
905350,593864,16.1,17.1,B50.1
905275,593944,13.1,14.1,B50.2
905211,594009,12,13,B50.3
905168,594055,11.7,12.7,B50.4
905114,594113,12.5,13.5,B50.5
905054,594176,14.5,15.5,B50.6
904985,594250,17.5,18.5,B50.7
904916,594322,20.5,21.5,B50.8
904847,594394,23.5,24.5,B50.9
904779,594466,26.5,27.5,B50.10
B51 Center divider 636 - 644,7,2,0,0,
904779,594466,26.5,27.5,B51.1,
904714,594535,29.5,30.5,B51.2,
904663,594598,31.5,32.5,B51.3,
904611,594667,32.8,33.8,B51.4,
904562,594747,34,35,B51.5,
904519,594831,35.1,36.1,B51.6,
904481,594925,36.3,37.3,B51.7,
904448,595019,37.4,38.4,B51.8,
904425,595114,38.5,39.5,B51.9,
904413,595192,39.5,40.5,B51.10,
B20 SB Side 3-Story Building near R10,8,2,0,0,
904259,595327,37,47.6,B20.1,
904307,595332,37,47.6,B20.2,
904300,595407,37.8,48.4,B20.3,
B52 Center divider 644 - 653,9,2,0,0,
904413,595192,39.5,40.5,B52.1,
904397,595289,40.6,41.6,B52.2,
904379,595400,42,43,B52.3,
904362,595498,43.3,44.3,B52.4,
904339,595597,44.6,45.6,B52.5,
904316,595676,45.6,46.6,B52.6,
904281,595767,47.5,48.5,B52.7,
904244,595844,50,51,B52.8,

904194,595933,53,54,B52.9,
904145,596025,56,57,B52.10,
B144 Shoulder of SB Birmingham ramps,10,2,0,0,
904297,595547,43.5,47.8,B144.1,
904276,595603,47.2,51.5,B144.2,
904269,595617,48.1,52.4,B144.3,
904243,595668,51.6,55.9,B144.3A,
B144 Shoulder of SB Birmingham ramps,11,2,0,0,
904243,595668,51.6,51.6,B144.3A,
904217,595718,55.5,55.5,B144.4,
904209,595746,57.8,57.8,B144.5a,
904197,595761,58.6,58.6,B144.6a,
904197,595761,58.6,58.6,B144.6a,
904167,595801,60,60,B44.4,
904157,595866,57.2,57.2,B44.5,
904137,595918,54.8,54.8,B44.6,
B46 - 3 story Apt Building,12,2,0,0,
904209,595480,40.5,51.2,B46.1,
904262,595484,40.5,51.2,B46.2,
904258,595535,40.5,51.2,B46.3,
904248,595541,41,51.7,B46.4,
904245,595593,41.4,52.1,B46.5,
B47 - Shoulder by loop ramp,13,2,0,0,
905131,594044,11.9,11.9,B47.1,
905089,594087,12.3,12.3,B47.2,
905027,594146,14.3,14.3,B47.3,
904986,594196,15.8,15.8,B47.4,
904912,594281,17.3,17.3,B47.5,
B148 - by Retaining Wall,14,2,0,0,
904871,594304,20.4,24.7,B148.1,
904862,594313,21.3,25.6,B148.1A,
904836,594341,21.9,26.2,B148.2,
904805,594375,23.7,28.0,B148.3,
B20 Priv Property near Manchester SB off ramp,15,2,0,0,
904954,593954,5.5,8.5,B20.1,
904948,594020,8.9,11.9,B20.2,
904948,594020,8.9,12.6,B20.2,
904942,594082,9.5,13.2,B20.3,
904938,594150,13.5,17.2,B20.4,
904973,594156,13.5,17.2,B20.5,
904976,594165,13.5,17.2,B20.6,
B60 SB Side 3-Story Building near R8.8,16,2,0,0,
904293,595093,28,38.6,B60.1,
904322,595095,26.5,37.1,B60.2,
904319,595139,28,38.6,B60.3,
B60 SB Side 3-Story Building near R8.8,17,2,0,0,
904319,595145,28,38.6,B60.4,
904315,595195,29.5,40.1,B60.5,
904277,595192,30,40.6,B60.6,
B21 SB Side 3-Story Building near R10,18,2,0,0,
904245,595419,40,50.6,B21.1,
904300,595422,38.2,48.8,B21.2,
R,1,67,4
904943,593987,7,R8.1
R,2,67,4
904936,594072,10.7,R8.2

R,3,67,4
904981,594128,11,R8.3
R,4,67,4
904930,594155,14.5,R8.4A
R,5,67,4
904957,594176,15.3,R8.4
R,6,67,4
904889,594258,22.5,R8.5
R,7,67,4
904838,594305,24.1,R8.6
R,8,67,4
904809,594265,25.3,R8.7
R,9,67,4
904297,595119,29.5,R8.8
R,10,67,4
904272,595373,39.5,R8.9
R,11,67,4
904310,595353,38.5,R8.10
R,11,67,4
904275,595518,41.8,R8.10A
R,12,67,4
904254,595587,42.9,R8.11
R,13,67,4
904106,595643,69.9,R8.12
D,4.5
ALL,ALL
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
08 MANCHESTER TO BIRMINGHAM - WEST- DGN,DGN,FT

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	-	0.*							B1.1	217.5	
2	-	0.*							B1.2	168.6	
3	-	6.*							B1.2A	12.2	
4	-	12.*							B1.2A	191.1	
5	-	12.*							B1.3	28.1	
6	-	12.*							B1.4	36.7	
7	-	12.*							B1.5	.0	
8	-	12.*							B1.5	91.4	
9	-	12.*							B1.6	180.0	
10	-	12.*							B1.7	90.2	
11	-	12.*							B1.7A	84.1	
12	-	12.*							B1.7B	97.8	
13	-	12.*							B1.7C	60.3	
14	-	0.*							B2.1A	9.1	
15	-	0.*							B2.1	153.6	
16	-	0.*							B2.2	120.7	
17	-	0.*							B3.1	121.0	
18	-	0.*							B3.2	90.5	
19	-	3.*							B104.1	317.5	
20	-	3.*							B104.2	339.2	
21	-	3.*							B104.3	263.2	
22	-	3.*							B104.4	328.5	
23	-	3.*							B104.5	196.3	
24	-	3.*							B104.6	194.3	
25	-	3.*							B104.7	208.8	
26	-	9.*							B104.8	11.2	
27	-	14.*							B104.8	36.2	
28	-	14.*							B104.9	211.9	
29	-	3.*							B50.1	360.0	
30	-	3.*							B50.2	299.2	
31	-	3.*							B50.3	206.6	
32	-	3.*							B50.4	260.0	
33	-	3.*							B50.5	285.5	
34	-	3.*							B50.6	332.1	
35	-	3.*							B50.7	327.3	
36	-	3.*							B50.8	327.3	
37	-	3.*							B50.9	325.1	

38	- 3.*	B51.1	311.1
39	- 3.*	B51.2	266.0
40	- 3.*	B51.3	283.5
41	- 3.*	B51.4	307.9
42	- 3.*	B51.5	309.6
43	- 3.*	B51.6	332.7
44	- 3.*	B51.7	326.8
45	- 3.*	B51.8	320.7
46	- 3.*	B51.9	258.9
47	- 35.*	B20.1	158.4
48	- 35.*	B20.2	247.1
49	- 3.*	B52.1	322.5
50	- 3.*	B52.2	369.0
51	- 3.*	B52.3	326.3
52	- 3.*	B52.4	333.5
53	- 3.*	B52.5	270.0
54	- 3.*	B52.6	319.9
55	- 3.*	B52.7	280.5
56	- 3.*	B52.8	335.1
57	- 3.*	B52.9	342.1
58	- 14.*	B144.1	196.6
59	- 14.*	B144.2	51.4
60	- 14.*	B144.3	188.1
61	- 0.*	B144.3A	185.4
62	- 0.*	B144.4	95.8
63	- 0.*	B144.5A	63.2
64	- 0.*	B144.6A	.0
65	- 0.*	B144.6A	164.1
66	- 0.*	B44.4	215.9
67	- 0.*	B44.5	183.0
68	- 35.*	B46.1	174.3
69	- 35.*	B46.2	167.8
70	- 35.*	B46.3	38.3
71	- 35.*	B46.4	170.9
72	- 0.*	B47.1	197.2
73	- 0.*	B47.2	280.9
74	- 0.*	B47.3	212.2
75	- 0.*	B47.4	369.8
76	- 14.*	B148.1	41.9
77	- 14.*	B148.1A	125.4
78	- 14.*	B148.2	151.0
79	- 10.*	B20.1	217.7
80	- 11.*	B20.2	2.3
81	- 12.*	B20.2	204.4
82	- 12.*	B20.3	223.9
83	- 12.*	B20.4	116.5
84	- 12.*	B20.5	31.1

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85    - 35.*                        B60.1      95.4
86    - 35.*                        B60.2     144.8

87    - 35.*                        B60.4     164.6
88    - 35.*                        B60.5     125.0

89    - 35.*                        B21.1     180.8
--------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
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 1  R8.1      67.    500.   61.3
 2  R8.2      67.    500.   64.6
 3  R8.3      67.    500.   69.1
 4  R8.4A     67.    500.   68.2
 5  R8.4      67.    500.   69.0
 6  R8.5      67.    500.   69.6
 7  R8.6      67.    500.   71.8
 8  R8.7      67.    500.   68.9
 9  R8.8      67.    500.   61.6
10  R8.9      67.    500.   63.3
11  R8.10     67.    500.   73.2
12  R8.10A    67.    500.   68.4
13  R8.11     67.    500.   65.4
14  R8.12     67.    500.   68.1
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 0. 0. 6.12.12.12.12.12.12.12.12.12. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3.
 9.14.14. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.35.35. 3. 3.
 3. 3. 3. 3. 3. 3. 3.14.14.14. 0. 0. 0. 0. 0. 0. 0.35.35.35.35. 0. 0. 0. 0.
14.14.14.10.11.12.12.12.12.35.35.35.35.35.
```

08 Manchester to Birmingham - EAST-No Build,0,Ft
T-L2 SB Outer General Lane ST 628-640,1,
0,65,0,65,0,65,
T-L12 SB Inner General Lane ST 628-640,2,
3269,65,87,65,244,65,
T-L52 SB General - Future HOV Lane ST 628-640,3,
3513,65,87,65,0,65,
T-L51 NB General - Future HOV Lane ST 628-640,4,
3513,65,87,65,0,65,
T-L11 NB Inner General Lane ST 628-640,5,
3269,65,87,65,244,65,
T-L1 NB Outer Genral Lane ST 628-640,6,
0,65,0,65,0,65,
T-L24 SB Manchester On-Ramp Loop,7,
903,25,23,25,25,25,
T-L23 NB Manchester Off-ramp Loop,8,
950,25,24,25,26,25
T-L21 NB Manchester On-ramp,9
133,45,3,45,4,45
T-L22 SB Manchester Off-ramp ,10
190,45,5,45,5,45
T-L26 SB Birmingham On-Ramp,11
908,45,13,45,9,45
T-L25 NB Birmingham Ave Off-Ramp,12
468,45,7,45,5,45
T-L4 SB Outer General Lane ST 640-654,13
0,65,0,65,0,65
T-L14 SB Inner General Lane ST 640-654,14
3269,65,87,65,244,65
T-L54 SB General - Future HOV Lane ST 640-654,15
3513,65,87,65,0,65
T-L53 NB General - Future HOV Lane ST 640-654,16
3513,65,87,65,0,65
T-L13 NB Inner General Lane ST 640-654,17
3269,65,87,65,244,65
T-L3 NB Outer General Lane ST 640-654,18
0,65,0,65,0,65
T-L27 NB Brimingham Dr on-ramp,19
420,45,6,45,4,45
T-L28 SB Brimingham off-ramp ,20
410,45,6,45,4,45
L2 SB Outer General Lane ST 628-640,1
N,905328,593844,16,L2.1,
N,905253,593924,12.9,L2.2,
N,905192,593991,11.8,L2.3,
N,905149,594036,11.6,L2.4,
N,905095,594094,12.3,L2.5,
N,905035,594157,14,L2.6,
N,904966,594230,17.3,L2.7
N,904897,594304,20.3,L2.8
N,904829,594374,23.3,L2.9
N,904760,594449,26.3,L2.10
N,904698,594514,29.7,L2.11
N,904644,594577,31.8,L2.12
N,904591,594649,33.2,L2.13
N,904541,594729,34,L2.14

N,904494,594818,35.3,L2.15
L12 SB Inner General Lane ST628-640,2,
N,905336,593852,16,L12.1
N,905261,593931,12.9,L12.2
N,905199,593997,11.8,L12.3
N,905154,594043,11.6,L12.4
N,905101,594100,12.3,L12.5
N,905041,594163,14.3,L12.6
N,904972,594236,17.3,L12.7
N,904903,594310,20.3,L12.8
N,904835,594380,23.3,L12.9
N,904766,594454,26.3,L12.10
N,904705,594520,29.7,L12.11
N,904651,594583,31.8,L12.12
N,904598,594655,33.2,L12.13
N,904549,594734,34,L12.14
N,904502,594823,35.3,L12.15
L52 SB Inner HOV Lane ST 628-640,3,
N,905343,593859,16.2,L52.1
N,905268,593938,13,L52.2
N,905206,594004,12,L52.3
N,905162,594050,11.7,L52.4
N,905109,594106,12.5,L52.5
N,905049,594170,14.5,L52.6
N,904979,594244,17.3,L52.7
N,904911,594316,20.5,L52.8
N,904843,594387,23.5,L52.9
N,904774,594461,26.5,L52.10
N,904711,594528,29.5,L52.11
N,904659,594590,31.5,L52.12
N,904606,594662,33,L52.13
N,904557,594739,34,L52.14
N,904511,594827,35.3,L52.15
L51 NB Inner HOV Lane ST 628-640,4,
N,905355,593870,16,L51.1
N,905280,593950,13.2,L51.2
N,905218,594016,12,L51.3
N,905173,594062,11.6,L51.4
N,905121,594119,12.5,L51.5
N,905060,594183,14.5,L51.6
N,904992,594256,17.5,L51.7
N,904924,594326,20.5,L51.8
N,904856,594398,23.5,L51.9
N,904787,594472,26.5,L51.10
N,904718,594545,29.5,L51.11
N,904666,594607,31.5,L51.12
N,904618,594673,32.7,L51.13
N,904568,594756,34,L51.14
N,904526,594835,35,L51.15
L11 NB Inner General Lane ST 628-640,5,
N,905362,593877,15.8,L11.1
N,905287,593957,13,L11.2
N,905225,594023,11.9,L11.3
N,905181,594070,11.5,L11.4
N,905127,594126,12.4,L11.5
N,905066,594189,14.4,L11.6

N,904998,594261,17.3,L11.7
N,904931,594334,20.3,L11.8
N,904864,594404,23.3,L11.9
N,904793,594478,26.3,L11.10
N,904726,594552,29.2,L11.11
N,904674,594614,31.3,L11.12
N,904625,594681,32.7,L11.13
N,904575,594760,33.7,L11.14
N,904534,594840,34.7,L11.15
L1 NB Outer Genral Lane ST 628-640,6,
N,905371,593885,15.8,L1.1
N,905295,593965,13,L1.2
N,905230,594029,11.9,L1.3
N,905187,594077,11.5,L1.4
N,905133,594133,12.4,L1.5
N,905073,594196,14.4,L1.6
N,905005,594269,17.3,L1.7
N,904937,594341,20.3,L1.8
N,904871,594411,23.3,L1.9
N,904799,594486,26.3,L1.10
N,904731,594558,29.2,L1.11
N,904681,594619,31.3,L1.12
N,904632,594686,32.7,L1.13
N,904583,594766,33.7,L1.14
N,904542,594845,34.7,L1.15
L23 NB Manchester Off-ramp Loop,7,
N,905295,593965,13.0,L23.1
N,905239,594038,12.0,L23.2
N,905199,594089,11.5,L23.3
N,905150,594151,11.0,L23.4
N,905148,594207,10.5,L23.5
N,905186,594223,10.0,L23.6
N,905230,594209,7.0,L23.7
N,905263,594137,5.7,L23.8
N,905286,594076,4.8,L23.9
L24 SB Manchester Ave. Access Ramp,8,
N,905042,593976,5.3,L24.1
N,905027,594026,6.4,L24.2
N,905018,594073,8.3,L24.3
N,905041,594095,9.3,L24.4
N,905060,594095,10.2,L24.5
N,905076,594086,11,L24.6
N,905150,594019,11.1,L24.7
N,905221,593948,11.9,L24.8
N,905255,593914,13,L24.9
N,905328,593844,16,L24.10
L21 NB Manchester ave on ramp,9,
N,905293,594084,5,L21.1
N,905278,594120,5,L21.2
N,905246,594194,7.8,L21.3
N,905226,594217,9,L21.4
N,905198,594229,10,L21.5
N,905100,594232,13.5,L21.6
N,905061,594241,15.5,L21.7
N,905026,594261,16.1,L21.8
N,904997,594288,17.5,L21.9

N,904940,594343,19.9,L21.10
N,904871,594411,23.3,L21.11
L22 SB off ramp to Manchester ave,10,
N,905034,593976,5.2,L22.1
N,905017,594034,6,L22.2
N,905006,594073,9,L22.3
N,904995,594132,12.2,L22.4
N,904984,594170,14,L22.5
N,904965,594203,15.5,L22.6
N,904902,594283,19.2,L22.7
N,904878,594312,20.5,L22.8
N,904829,594374,23.3,L22.9
L26 SB Birmingham Ave Access Ramp,11,
N,904385,595187,39.6,L26.1
N,904358,595316,40,L26.2
N,904340,595415,41.7,L26.3
N,904328,595473,42.2,L26.4
N,904313,595532,42.9,L26.5
N,904301,595570,44.5,L26.6
N,904278,595623,48.5,L26.7
N,904228,595711,55.8,L26.8
N,904189,595780,59.8,L26.9
L25 SB Birmingham Ave Exit Ramp,12,
N,904406,595402,41.8,L25.1
N,904399,595485,43.8,L25.2
N,904390,595565,45.1,L25.3
N,904383,595604,45.8,L25.4
N,904376,595644,47.3,L25.5
N,904353,595741,53,L25.6
N,904335,595818,56.3,L25.7
L4 SB Outer General Lane ST 640-654,13,
N,904494,594818,35.5,L4.1
N,904453,594913,36.6,L4.2
N,904421,595011,37.7,L4.3
N,904399,595107,38.5,L4.4
N,904385,595187,39.6,L4.5
N,904369,595285,40.5,L4.6
N,904351,595396,41.8,L4.7
N,904336,595494,43,L4.8
N,904314,595589,44.3,L4.9
N,904290,595668,45.3,L4.10
N,904255,595759,47.2,L4.11
N,904217,595833,49.8,L4.12
N,904170,595921,52.8,L4.13
N,904119,596012,55.8,L4.14
N,904071,596099,58.3,L4.15
L14 SB Outer General Lane ST 640-654,14,
N,904502,594823,35.5,L14.1
N,904463,594916,36.6,L14.2
N,904430,595013,37.7,L14.3
N,904407,595110,38.3,L14.4
N,904394,595189,39.6,L14.5
N,904378,595286,40.5,L14.6
N,904361,595398,41.8,L14.7
N,904345,595495,43,L14.8
N,904322,595592,44.3,L14.9

N,904298,595671,45.3,L14.10
N,904263,595763,47.2,L14.11
N,904227,595838,49.8,L14.12
N,904178,595925,52.8,L14.13
N,904127,596016,55.8,L14.14
N,904079,596104,58.3,L14.15
L54 SB Inner HOV Lane ST 640-654,15,
N,904511,594827,35.3,L54.1
N,904471,594920,36.3,L54.2
N,904440,595016,37.4,L54.3
N,904417,595112,38.5,L54.4
N,904403,595191,39.5,L54.5
N,904387,595288,40.6,L54.6
N,904371,595400,42,L54.7
N,904354,595497,43.3,L54.8
N,904332,595595,44.5,L54.9
N,904308,595674,45.5,L54.10
N,904272,595767,47.5,L54.11
N,904234,595841,50,L54.12
N,904187,595929,53,L54.13
N,904137,596020,56,L54.14
N,904087,596108,58.5,L54.15
L53 NB Inner HOV Lane ST 640-654,16,
N,904526,594835,35,L53.1
N,904487,594927,36.3,L53.2
N,904455,595023,37.4,L53.3
N,904433,595116,38.5,L53.4
N,904421,595192,39.5,L53.5
N,904404,595289,40.7,L53.6
N,904387,595399,42,L53.7
N,904371,595499,43.4,L53.8
N,904349,595599,44.8,L53.9
N,904325,595678,45.8,L53.10
N,904290,595768,47.5,L53.11
N,904252,595844,50,L53.12
N,904201,595937,53,L53.13
N,904152,596028,56,L53.14
N,904103,596117,58.5,L53.15
L13 NB Inner General Lane ST 640-654,17,
N,904534,594840,34.7,L13.1
N,904496,594932,36.3,L13.2
N,904465,595027,37.1,L13.3
N,904442,595119,38.3,L13.4
N,904430,595194,39.3,L13.5
N,904414,595292,40.5,L13.6
N,904397,595401,41.8,L13.7
N,904381,595501,43.3,L13.8
N,904358,595602,45,L13.9
N,904334,595681,46,L13.10
N,904298,595771,47.7,L13.11
N,904262,595848,50.2,L13.12
N,904210,595943,52.8,L13.13
N,904160,596033,55.8,L13.14
N,904110,596123,58.3,L13.15
L3   NB Outer General Lane ST 640-654,18,
N,904542,594845,34.7,L3.1

N,904504,594936,36.3,L3.2
N,904473,595030,37.1,L3.3
N,904452,595122,38.3,L3.4
N,904439,595196,39.3,L3.5
N,904423,595294,40.5,L3.6
N,904406,595402,41.8,L3.7
N,904390,595503,43.3,L3.8
N,904366,595604,45,L3.9
N,904342,595685,46,L3.10
N,904308,595775,47.7,L3.11
N,904269,595852,50.2,L3.12
N,904217,595948,52.8,L3.13
N,904168,596038,55.8,L3.14
N,904118,596127,58.3,L3.15
L27 NB Brimingham Dr on-ramp,19,
N,904325,595829,56.5,L27.1
N,904305,595852,56.7,L27.2
N,904269,595899,55,L27.3
N,904235,595948,53.2,L27.4
N,904213,595981,53.1,L27.5
N,904171,596049,55.7,L27.6
N,904131,596118,57.7,L27.7
N,904093,596184,59.6,L27.8
N,904026,596295,61.8,L27.9
L28 SB off-ramp to Brimingham Dr,20,
N,904181,595796,59.9,L28.1
N,904162,595867,57.2,L28.2
N,904144,595921,54.8,L28.3
N,904128,595957,53.6,L28.4
N,904112,595994,55.1,L28.5
N,904088,596049,56.7,L28.6
N,904067,596096,57.9,L28.7
N,904034,596165,59.8,L28.8
B100 NB Side,1,2,0,0
905168,594251,16,16,B100.1
905095,594253,18,18,B100.2
905082,594266,24,24,B100.3
905062,594284,30.3,30.3,B100.4
905044,594321,38,38,B100.5
905028,594361,48,48,B100.6
905010,594402,52,52,B100.7
B8 ROW NB Side near R18 - R21,2,2,0,0
904668,594788,68,68,B8.1
904645,594818,66.5,66.5,B8.2
904621,594848,66,66,B8.3
904608,594876,64,64,B8.4
904585,594921,64,64,B8.5
B7 NB Side near R14 - R17,3,2,0,0
905066,594513,67,67,B7.1
905047,594514,67.5,67.5,B7.2
905022,594518,67.2,67.2,B7.3
905010,594524,67,67,B7.4
904992,594538,67,67,B7.5
904965,594542,68,68,B7.6
904946,594553,68,68,B7.7
904931,594567,68,68,B7.8

904923,594591,68.2,68.2,B7.9
904915,594606,66,66,B7.10
B7 NB Side near R14 - R17,4,2,0,0
904915,594606,66,66,B7.10
904914,594620,66,66,B7.11
904897,594647,66,66,B7.12
904894,594676,69,69,B7.13
B50 Center divider 628 - 636,5,2,0,0
905350,593864,16.1,17.1,B50.1
905275,593944,13.1,14.1,B50.2
905211,594009,12,13,B50.3
905168,594055,11.7,12.7,B50.4
905114,594113,12.5,13.5,B50.5
905054,594176,14.5,15.5,B50.6
904985,594250,17.5,18.5,B50.7
904916,594322,20.5,21.5,B50.8
904847,594394,23.5,24.5,B50.9
904779,594466,26.5,27.5,B50.10
B51 Center divider 636 - 644,6,2,0,0
904779,594466,26.5,27.5,B51.1
904714,594535,29.5,30.5,B51.2
904663,594598,31.5,32.5,B51.3
904611,594667,32.8,33.8,B51.4
904562,594747,34,35,B51.5
904519,594831,35.1,36.1,B51.6
904481,594925,36.3,37.3,B51.7
904448,595019,37.4,38.4,B51.8
904425,595114,38.5,39.5,B51.9
904413,595192,39.5,40.5,B51.10
B9 NB Side near R19 - R21,7,2,0,0
904600,594909,68.5,68.5,B9.1
904590,595000,69,69,B9.2
904604,595030,69,69,B9.3
904616,595067,69,69,B9.4
904625,595111,66.3,66.3,B9.5
904624,595139,68.5,68.5,B9.6
904618,595156,68,68,B9.7
904588,595187,68,68,B9.8
904560,595177,68,68,B9.9
904548,595189,68,68,B9.10
B10 NB Side near R21,8,2,0,0
904548,595189,68,68,B10.1
904541,595219,68,68,B10.2
904548,595235,68,68,B10.3
904564,595265,68,68,B10.4
B21 NB Side Building near R22,9,2,0,0
904494,595305,44.5,49.1,B21.1
904501,595305,44.9,49.5,B21.2
904502,595318,44.3,48.9,B21.3
B11 Right of Way near R23 - R24,10,2,0,0
904468,595210,37,37,B11.1
904458,595256,37.5,37.5,B11.2
904453,595292,38.1,38.1,B11.3
904441,595307,40.5,40.5,B11.4
904437,595345,42,42,B11.5
904434,595379,46,46,B11.6

B12 NB Side Property line near R23 - R27,11,2,0,0
904446,595307,42.5,42.5,B12.1
904443,595344,45.5,45.5,B12.2
904441,595349,46.5,46.5,B12.3
904439,595368,47,47,B12.4
904439,595423,50,50,B12.5
904440,595463,52,52,B12.6
904435,595491,52.2,52.2,B12.7
904428,595509,53,53,B12.8
904429,595526,55,55,B12.9
904434,595538,60,60,B12.10
B13 NB Side Property line near,12,2,0,0
904434,595538,60,60,B13.1
904435,595547,62.5,62.5,B13.2
904436,595586,64,64,B13.3
904445,595625,63,63,B13.4
904449,595664,63.2,63.2,B13.5
904446,595704,64,64,B13.6
904438,595729,64,64,B13.7
904434,595741,66,66,B13.8
904434,595766,68.5,68.5,B13.9
904434,595788,62,62,B13.10
B52 Center divider 644 - 653,13,2,0,0
904413,595192,39.5,40.5,B52.1
904397,595289,40.6,41.6,B52.2
904379,595400,42,43,B52.3
904362,595498,43.3,44.3,B52.4
904339,595597,44.6,45.6,B52.5
904316,595676,45.6,46.6,B52.6
904281,595767,47.5,48.5,B52.7
904244,595844,50,51,B52.8
904194,595933,53,54,B52.9
904145,596025,56,57,B52.10
B23 Nat Barrier NB Birmingham ramps,14,2,0,0
904351,595693,50,50,B23.1
904339,595769,54,54,B23.2
904328,595821,56.2,56.2,B23.3
904294,595814,56.3,56.3,B23.4
904289,595824,56.3,56.3,B23.5
904313,595830,56.4,56.4,B23.6
904312,595841,56.8,56.8,B23.7
904250,595913,54.5,54.5,B23.8
904219,595951,53.6,53.6,B23.9
B45 Storage Facility,15,2,0,0
904420,595581,58,60,B45.1
904415,595641,54,60,B45.2
904415,595697,54,60,B45.3
R,1,67,4
905107,594277,19.8,R8.13
R,2,67,4
905047,594520,70.6,R8.14
R,3,67,4
905002,594534,71,R8.15
R,4,67,4
904946,594559,71.1,R8.16
R,5,67,4

904912,594632,69.5,R8.17
R,6,67,4
904626,594863,70.5,R8.18
R,7,67,4
904600,594923,70.5,R8.19
R,8,67,4
904629,595112,71.1,R8.20
R,9,67,4
904553,595209,70.4,R8.21
R,10,67,4
904505,595304,46.4,R8.22
R,11,67,4
904451,595306,44.7,R8.23
R,12,67,4
904443,595359,48,R8.24
R,13,67,4
904443,595419,51.3,R8.25
R,14,67,4
904441,595476,54.5,R8.26
R,15,67,4
904438,595558,64,R8.27
R,16,67,4
904449,595629,64.2,R8.28/ST8.6
R,17,67,4
904452,595697,65.6,R8.29
R,18,67,4
904445,595784,64.8,R8.30
D,4.5
ALL,1
ALL,2
ALL,3
ALL,4
ALL,5
ALL,6
ALL,7
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ALL,10
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ALL,15
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c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
08 MANCHESTER TO BIRMINGHAM - EAST-NO BUILD,0,FT

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	-	0.*							B100.1	239.7	
2	-	0.*							B100.2	63.4	
3	-	0.*							B100.3	90.7	
4	-	0.*							B100.4	137.2	
5	-	0.*							B100.5	145.2	
6	-	0.*							B100.6	147.5	
7	-	0.*							B8.1	124.1	
8	-	0.*							B8.2	126.0	
9	-	0.*							B8.3	101.5	
10	-	0.*							B8.4	165.8	
11	-	0.*							B7.1	62.4	
12	-	0.*							B7.2	83.1	
13	-	0.*							B7.3	44.1	
14	-	0.*							B7.4	74.8	
15	-	0.*							B7.5	89.6	
16	-	0.*							B7.6	72.1	
17	-	0.*							B7.7	67.3	
18	-	0.*							B7.8	83.0	
19	-	0.*							B7.9	56.3	
20	-	0.*							B7.10	46.0	
21	-	0.*							B7.11	104.7	
22	-	0.*							B7.12	96.1	
23	-	3.*							B50.1	360.0	
24	-	3.*							B50.2	299.2	
25	-	3.*							B50.3	206.6	
26	-	3.*							B50.4	260.0	
27	-	3.*							B50.5	285.5	
28	-	3.*							B50.6	332.1	
29	-	3.*							B50.7	327.3	
30	-	3.*							B50.8	327.3	
31	-	3.*							B50.9	325.1	
32	-	3.*							B51.1	311.1	
33	-	3.*							B51.2	266.0	
34	-	3.*							B51.3	283.5	
35	-	3.*							B51.4	307.9	
36	-	3.*							B51.5	309.6	
37	-	3.*							B51.6	332.7	
38	-	3.*							B51.7	326.8	

39	-	3.*	B51.8	320.7
40	-	3.*	B51.9	258.9
41	-	0.*	B9.1	300.3
42	-	0.*	B9.2	108.7
43	-	0.*	B9.3	127.6
44	-	0.*	B9.4	147.6
45	-	0.*	B9.5	92.2
46	-	0.*	B9.6	59.1
47	-	0.*	B9.7	141.6
48	-	0.*	B9.8	97.6
49	-	0.*	B9.9	55.6
50	-	0.*	B10.1	101.1
51	-	0.*	B10.2	57.3
52	-	0.*	B10.3	111.6
53	-	15.*	B21.1	23.0
54	-	15.*	B21.2	42.8
55	-	0.*	B11.1	154.4
56	-	0.*	B11.2	119.3
57	-	0.*	B11.3	63.6
58	-	0.*	B11.4	125.4
59	-	0.*	B11.5	112.8
60	-	0.*	B12.1	122.1
61	-	0.*	B12.2	18.1
62	-	0.*	B12.3	62.7
63	-	0.*	B12.4	180.7
64	-	0.*	B12.5	131.5
65	-	0.*	B12.6	93.3
66	-	0.*	B12.7	63.4
67	-	0.*	B12.8	56.3
68	-	0.*	B12.9	45.7
69	-	0.*	B13.1	30.9
70	-	0.*	B13.2	128.0
71	-	0.*	B13.3	131.4
72	-	0.*	B13.4	128.6
73	-	0.*	B13.5	131.6
74	-	0.*	B13.6	86.2
75	-	0.*	B13.7	42.0
76	-	0.*	B13.8	82.5
77	-	0.*	B13.9	75.2
78	-	3.*	B52.1	322.5
79	-	3.*	B52.2	369.0
80	-	3.*	B52.3	326.3
81	-	3.*	B52.4	333.5
82	-	3.*	B52.5	270.0
83	-	3.*	B52.6	319.9
84	-	3.*	B52.7	280.5
85	-	3.*	B52.8	335.1
86	-	3.*	B52.9	342.1

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87    -  0.*                        B23.1     252.7
88    -  0.*                        B23.2     174.5
89    -  0.*                        B23.3     113.9
90    -  0.*                        B23.4      36.7
91    -  0.*                        B23.5      81.2
92    -  0.*                        B23.6      36.3
93    -  0.*                        B23.7     311.8
94    -  0.*                        B23.8     160.9

95    - 13.*                         B45.1     197.6
96    - 20.*                         B45.2     183.7
-------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
---------------------------------
 1  REC 1     67.    500.   67.8
 2  REC 2     67.    500.   64.7
 3  REC 3     67.    500.   65.9
 4  REC 4     67.    500.   66.8
 5  R8.17     67.    500.   65.7
 6  R8.18     67.    500.   70.5
 7  R8.19     67.    500.   70.6
 8  R8.20     67.    500.   71.4
 9  R8.21     67.    500.   68.8
10  R8.22     67.    500.   68.7
11  R8.23     67.    500.   75.5
12  R8.24     67.    500.   75.5
13  R8.25     67.    500.   74.4
14  R8.26     67.    500.   73.6
15  R8.27     67.    500.   72.1
16  R8.28/ST  67.    500.   70.0
17  R8.29     67.    500.   70.3
18  R8.30     67.    500.   65.4
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 3. 3.
 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 0. 0.15.15. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0.13.20.
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08 Manchester to Birmingham - EAST- Build,Bld,Ft
T-L2 SB Outer General Lane ST 628-640,1,
3052,65,122,65,426,65,
T-L12 SB Inner General Lane ST 628-640,2,
5217,65,183,65,0,65,
T-L52 SB HOV Lane ST 628-640,3,
3000,65,0,65,0,65,
T-L51 NB HOV Lane ST 628-640,4,
3000,65,0,65,0,65,
T-L11 NB Inner General Lane ST 628-640,5,
5217,65,183,65,0,65,
T-L1 NB Outer Genral Lane ST 628-640,6,
3052,65,122,65,426,65,
T-L23 NB Manchester Off-ramp Loop,7,
1900,25,48,25,52,25,
T-L24 SB Manchester On-Ramp Loop,8,
1900,25,48,25,52,25
T-L21 NB Manchester On-ramp,9
950,45,24,45,26,45
T-L22 SB Manchester Off-ramp ,10
950,45,24,45,26,45
T-L99 SB Birmingham On-Ramp,11
976,45,14,45,10,45
T-L25 NB Birmingham Ave Off-Ramp,12
976,45,14,45,10,45
T-L14 SB Inner General Lane ST 640-654,13
5217,65,183,65,0,65
T-L54 SB HOV Lane ST 640-654,14
3000,65,0,65,0,65
T-L53 NB HOV Lane ST 640-654,15
3000,65,0,65,0,65
T-L13 NB Inner General Lane ST 640-654,16
5217,65,183,65,0,65
T-L3 NB Outer General Lane ST 640-654,17
3052,65,122,65,426,65
T-L4 SB Outer General Lane ST 640-654,18
3052,65,122,65,426,65
T-L27 NB Brimingham Dr on-ramp,19
976,45,14,45,10,45
T-L28 SB Brimingham off-ramp ,20
976,45,14,45,10,45
L2 SB Outer General Lane ST 628-640,1
N,905192,593991,11.8,L2.3,
N,905149,594036,11.6,L2.4,
N,905095,594094,12.3,L2.5,
N,905035,594157,14,L2.6,
N,904966,594230,17.3,L2.7,
N,904897,594304,20.3,L2.8,
N,904829,594374,23.3,L2.9
N,904760,594449,26.3,L2.10
N,904698,594514,29.7,L2.11
N,904644,594577,31.8,L2.12
N,904591,594649,33.2,L2.13
N,904541,594729,34,L2.14
N,904494,594818,35.3,L2.15
L12 SB Inner General Lane ST628-640,2,

N,905336,593852,16,L12.1
N,905261,593931,12.9,L12.2
N,905199,593997,11.8,L12.3
N,905154,594043,11.6,L12.4
N,905101,594100,12.3,L12.5
N,905041,594163,14.3,L12.6
N,904972,594236,17.3,L12.7
N,904903,594310,20.3,L12.8
N,904835,594380,23.3,L12.9
N,904766,594454,26.3,L12.10
N,904705,594520,29.7,L12.11
N,904651,594583,31.8,L12.12
N,904598,594655,33.2,L12.13
N,904549,594734,34,L12.14
N,904502,594823,35.3,L12.15
L52 SB Inner HOV Lane ST 628-640,3,
N,905343,593859,16.2,L52.1
N,905268,593938,13,L52.2
N,905206,594004,12,L52.3
N,905162,594050,11.7,L52.4
N,905109,594106,12.5,L52.5
N,905049,594170,14.5,L52.6
N,904979,594244,17.3,L52.7
N,904911,594316,20.5,L52.8
N,904843,594387,23.5,L52.9
N,904774,594461,26.5,L52.10
N,904711,594528,29.5,L52.11
N,904659,594590,31.5,L52.12
N,904606,594662,33,L52.13
N,904557,594739,34,L52.14
N,904511,594827,35.3,L52.15
L51 NB Inner HOV Lane ST 628-640,4,
N,905355,593870,16,L51.1
N,905280,593950,13.2,L51.2
N,905218,594016,12,L51.3
N,905173,594062,11.6,L51.4
N,905121,594119,12.5,L51.5
N,905060,594183,14.5,L51.6
N,904992,594256,17.5,L51.7
N,904924,594326,20.5,L51.8
N,904856,594398,23.5,L51.9
N,904787,594472,26.5,L51.10
N,904718,594545,29.5,L51.11
N,904666,594607,31.5,L51.12
N,904618,594673,32.7,L51.13
N,904568,594756,34,L51.14
N,904526,594835,35,L51.15
L11 NB Inner General Lane ST 628-640,5,
N,905362,593877,15.8,L11.1
N,905287,593957,13,L11.2
N,905225,594023,11.9,L11.3
N,905181,594070,11.5,L11.4
N,905127,594126,12.4,L11.5
N,905066,594189,14.4,L11.6
N,904998,594261,17.3,L11.7
N,904931,594334,20.3,L11.8

N,904864,594404,23.3,L11.9
N,904793,594478,26.3,L11.10
N,904726,594552,29.2,L11.11
N,904674,594614,31.3,L11.12
N,904625,594681,32.7,L11.13
N,904575,594760,33.7,L11.14
N,904534,594840,34.7,L11.15
L1 NB Outer Genral Lane ST 628-640,6,
N,905371,593885,15.8,L1.1
N,905295,593965,13,L1.2
N,905230,594029,11.9,L1.3
N,905187,594077,11.5,L1.4
N,905133,594133,12.4,L1.5
N,905073,594196,14.4,L1.6
N,905005,594269,17.3,L1.7
N,904937,594341,20.3,L1.8
N,904871,594411,23.3,L1.9
N,904799,594486,26.3,L1.10
N,904731,594558,29.2,L1.11
N,904681,594619,31.3,L1.12
N,904632,594686,32.7,L1.13
N,904583,594766,33.7,L1.14
N,904542,594845,34.7,L1.15
L23 NB Manchester Off-ramp Loop,7,
N,905371,593885,15.8,L23.1
N,905319,593954,13.1,L23.2
N,905255,594033,11.6,L23.3
N,905193,594113,10.6,L23.4
N,905176,594147,10.2,L23.5
N,905180,594182,9.6,L23.6
N,905191,594195,9.2,L23.7
N,905205,594205,8.5,L23.8
N,905222,594209,7.6,L23.9
N,905241,594207,6.6,L23.10
N,905255,594198,5.5,L23.11
N,905306,594093,4,L23.12
L24 SB Manchester Ave. Access Ramp,8,
N,905328,593844,16,L24.1
N,905289,593872,13.5,L24.2
N,905219,593946,12.3,L24.3
N,905149,594017,11.2,L24.4
N,905091,594073,11.4,L24.5
N,905062,594095,11,L24.6
N,905043,594097,10.4,L24.7
N,905027,594087,9.6,L24.8
N,905018,594068,8.6,L24.9
N,905022,594050,7.7,L24.10
N,905046,593974,5.2,L24.11
L21 NB Manchester ave on ramp,9,
N,905321,594095,3.8,L21.1
N,905279,594187,4.7,L21.2
N,905268,594205,5.7,L21.3
N,905249,594223,6.8,L21.4
N,905224,594232,7.9,L21.5
N,905156,594228,10.7,L21.6
N,905118,594225,12.4,L21.7

N,905080,594232,14,L21.8
N,905044,594251,15.4,L21.9
N,904974,594321,18.5,L21.10
N,904932,594363,20.4,L21.11
N,904871,594411,23.3,L21.12
L22 SB off ramp to Manchester ave,10,
N,905033,593976,5.1,L22.1
N,905011,594053,7.6,L22.2
N,905006,594093,10.1,L22.3
N,905005,594113,11.4,L22.4
N,904994,594152,13.6,L22.5
N,904974,594185,15.2,L22.6
N,904925,594247,17.7,L22.7
N,904876,594308,20.4,L22.8
N,904829,594374,23.3,L22.9
L99 SB Birmingham Ave Access Ramp,11,
N,904361,595398,41.8,L99.1
N,904344,595454,42.8,L99.2
N,904331,595501,42.8,L99.3
N,904321,595538,44,L99.4
N,904302,595590,46,L99.5
N,904286,595630,48,L99.6
N,904253,595686,52,L99.7
N,904228,595730,55,L99.8
N,904202,595778,59.8,L99.9
L25 SB Birmingham Ave Exit Ramp,12,
N,904406,595402,41.8,L25.1
N,904400,595468,43,L25.2
N,904395,595525,44.4,L25.3
N,904387,595584,45.4,L25.4
N,904373,595664,48.2,L25.5
N,904361,595722,51.3,L25.6
N,904348,595781,54.8,L25.7
N,904347,595807,55.6,L25.8
L14 SB Outer General Lane ST 640-654,13,
N,904502,594823,35.5,L14.1
N,904463,594916,36.6,L14.2
N,904430,595013,37.7,L14.3
N,904407,595110,38.3,L14.4
N,904394,595189,39.6,L14.5
N,904378,595286,40.5,L14.6
N,904361,595398,41.8,L14.7
N,904345,595495,43,L14.8
N,904322,595592,44.3,L14.9
N,904298,595671,45.3,L14.10
N,904263,595763,47.2,L14.11
N,904227,595838,49.8,L14.12
N,904178,595925,52.8,L14.13
N,904127,596016,55.8,L14.14
N,904079,596104,58.3,L14.15
L54 SB Inner HOV Lane ST 640-654,14,
N,904511,594827,35.3,L54.1
N,904471,594920,36.3,L54.2
N,904440,595016,37.4,L54.3
N,904417,595112,38.5,L54.4
N,904403,595191,39.5,L54.5

N,904387,595288,40.6,L54.6
N,904371,595400,42,L54.7
N,904354,595497,43.3,L54.8
N,904332,595595,44.5,L54.9
N,904308,595674,45.5,L54.10
N,904272,595767,47.5,L54.11
N,904234,595841,50,L54.12
N,904187,595929,53,L54.13
N,904137,596020,56,L54.14
N,904087,596108,58.5,L54.15
L53 NB Inner HOV Lane ST 640-654,15,
N,904526,594835,35,L53.1
N,904487,594927,36.3,L53.2
N,904455,595023,37.4,L53.3
N,904433,595116,38.5,L53.4
N,904421,595192,39.5,L53.5
N,904404,595289,40.7,L53.6
N,904387,595399,42,L53.7
N,904371,595499,43.4,L53.8
N,904349,595599,44.8,L53.9
N,904325,595678,45.8,L53.10
N,904290,595768,47.5,L53.11
N,904252,595844,50,L53.12
N,904201,595937,53,L53.13
N,904152,596028,56,L53.14
N,904103,596117,58.5,L53.15
L13 NB Inner General Lane ST 640-654,16,
N,904534,594840,34.7,L13.1
N,904496,594932,36.3,L13.2
N,904465,595027,37.1,L13.3
N,904442,595119,38.3,L13.4
N,904430,595194,39.3,L13.5
N,904414,595292,40.5,L13.6
N,904397,595401,41.8,L13.7
N,904381,595501,43.3,L13.8
N,904358,595602,45,L13.9
N,904334,595681,46,L13.10
N,904298,595771,47.7,L13.11
N,904262,595848,50.2,L13.12
N,904210,595943,52.8,L13.13
N,904160,596033,55.8,L13.14
N,904110,596123,58.3,L13.15
L3   NB Outer General Lane ST 640-654,17,
N,904542,594845,34.7,L3.1
N,904504,594936,36.3,L3.2
N,904473,595030,37.1,L3.3
N,904452,595122,38.3,L3.4
N,904439,595196,39.3,L3.5
N,904423,595294,40.5,L3.6
N,904406,595402,41.8,L3.7
N,904390,595503,43.3,L3.8
N,904366,595604,45,L3.9
N,904342,595685,46,L3.10
N,904308,595775,47.7,L3.11
N,904269,595852,50.2,L3.12
N,904217,595948,52.8,L3.13

N,904168,596038,55.8,L3.14
N,904118,596127,58.3,L3.15
L4 SB Outer General Lane ST 640-654,18,
N,904494,594818,35.5,L4.1
N,904453,594913,36.6,L4.2
N,904421,595011,37.7,L4.3
N,904399,595107,38.5,L4.4
N,904385,595187,39.6,L4.5
N,904369,595285,40.5,L4.6
N,904351,595396,41.8,L4.7
N,904336,595494,43,L4.8
N,904314,595589,44.3,L4.9
N,904290,595668,45.3,L4.10
N,904255,595759,47.2,L4.11
N,904217,595833,49.8,L4.12
N,904170,595921,52.8,L4.13
N,904119,596012,55.8,L4.14
N,904071,596099,58.3,L4.15
L27 NB Brimingham Dr on-ramp,19,
N,904306,595834,56.9,L27.1
N,904296,595844,57,L27.2
N,904281,595881,56.6,L27.3
N,904251,595934,55.1,L27.4
N,904220,595985,54.4,L27.5
N,904187,596036,55.1,L27.6
N,904154,596085,56.7,L27.7
N,904121,596136,58.1,L27.8
N,904091,596187,59.4,L27.9
N,904072,596221,60,L27.10
N,904026,596295,61.8,L27.11
L28 SB off-ramp to Brimingham Dr,20,
N,904181,595796,59.9,L28.1
N,904162,595867,57.2,L28.2
N,904144,595921,54.8,L28.3
N,904128,595957,53.6,L28.4
N,904112,595994,55.1,L28.5
N,904088,596049,56.7,L28.6
N,904067,596096,57.9,L28.7
N,904034,596165,59.8,L28.8
B100 NB Side,1,2,0,0
905168,594251,16,16,B100.1,
905095,594253,18,18,B100.2,
905082,594266,24,24,B100.3,
905062,594284,30.3,30.3,B100.4,
905044,594321,38,38,B100.5,
905028,594361,48,48,B100.6,
905010,594402,52,52,B100.7,
B8 ROW NB Side near R18 - R21,2,2,0,0,
904668,594788,68,68,B8.1,
904645,594818,66.5,66.5,B8.2,
904621,594848,66,66,B8.3,
904608,594876,64,64,B8.4,
904585,594921,64,64,B8.5,
B7 NB Side near R14 - R17,3,2,0,0,
905066,594513,67,67,B7.1,
905047,594514,67.5,67.5,B7.2,

905022,594518,67.2,67.2,B7.3,
905010,594524,67,67,B7.4,
904992,594538,67,67,B7.5,
904965,594542,68,68,B7.6,
904946,594553,68,68,B7.7,
904931,594567,68,68,B7.8,
904923,594591,68.2,68.2,B7.9,
904915,594606,66,66,B7.10,
B7 NB Side near R14 - R17,4,2,0,0,
904915,594606,66,66,B7.10,
904914,594620,66,66,B7.11,
904897,594647,66,66,B7.12,
904894,594676,69,69,B7.13,
B50 Center divider 628 - 636,5,2,0,0,
905350,593864,16.1,17.1,B50.1,
905275,593944,13.1,14.1,B50.2,
905211,594009,12,13,B50.3,
905168,594055,11.7,12.7,B50.4,
905114,594113,12.5,13.5,B50.5,
905054,594176,14.5,15.5,B50.6,
904985,594250,17.5,18.5,B50.7,
904916,594322,20.5,21.5,B50.8,
904847,594394,23.5,24.5,B50.9,
904779,594466,26.5,27.5,B50.10,
B51 Center divider 636 - 644,6,2,0,0,
904779,594466,26.5,27.5,B51.1,
904714,594535,29.5,30.5,B51.2,
904663,594598,31.5,32.5,B51.3,
904611,594667,32.8,33.8,B51.4,
904562,594747,34,35,B51.5,
904519,594831,35.1,36.1,B51.6,
904481,594925,36.3,37.3,B51.7,
904448,595019,37.4,38.4,B51.8,
904425,595114,38.5,39.5,B51.9,
904413,595192,39.5,40.5,B51.10,
B9 NB Side near R19 - R21,7,2,0,0,
904600,594909,68.5,68.5,B9.1,
904590,595000,69,69,B9.2,
904604,595030,69,69,B9.3,
904616,595067,69,69,B9.4,
904625,595111,66.3,66.3,B9.5,
904624,595139,68.5,68.5,B9.6,
904618,595156,68,68,B9.7,
904588,595187,68,68,B9.8,
904560,595177,68,68,B9.9,
904548,595189,68,68,B9.10,
B10 NB Side near R21,8,2,0,0,
904548,595189,68,68,B10.1,
904541,595219,68,68,B10.2
904548,595235,68,68,B10.3
904564,595265,68,68,B10.4
B21 NB Side Building near R22,9,2,0,0
904494,595305,44.5,49.1,B21.1
904501,595305,44.9,49.5,B21.2
904502,595318,44.3,48.9,B21.3
B11 Right of Way near R23 - R24,10,2,0,0

904468,595210,37,37,B11.1
904458,595256,37.5,37.5,B11.2
904453,595292,38.1,38.1,B11.3
904441,595307,40.5,40.5,B11.4
904437,595345,42,42,B11.5
904434,595379,46,46,B11.6
B12 NB Side Property line near R23 - R27,11,2,0,0
904446,595307,42.5,42.5,B12.1
904443,595344,45.5,45.5,B12.2,
904441,595349,46.5,46.5,B12.3,
904439,595368,47,47,B12.4,
904439,595423,50,50,B12.5,
904440,595463,52,52,B12.6,
904435,595491,52.2,52.2,B12.7,
904428,595509,53,53,B12.8,
904429,595526,55,55,B12.9,
904434,595538,60,60,B12.10,
B13 NB Side Property line near,12,2,0,0,
904434,595538,60,60,B13.1,
904435,595547,62.5,62.5,B13.2,
904436,595586,64,64,B13.3,
904445,595625,63,63,B13.4,
904449,595664,63.2,63.2,B13.5,
904446,595704,64,64,B13.6,
904438,595729,64,64,B13.7,
904434,595741,66,66,B13.8,
904434,595766,68.5,68.5,B13.9,
904434,595788,62,62,B13.10,
B52 Center divider 644 - 653,13,2,0,0,
904413,595192,39.5,40.5,B52.1,
904397,595289,40.6,41.6,B52.2,
904379,595400,42,43,B52.3,
904362,595498,43.3,44.3,B52.4,
904339,595597,44.6,45.6,B52.5,
904316,595676,45.6,46.6,B52.6,
904281,595767,47.5,48.5,B52.7,
904244,595844,50,51,B52.8,
904194,595933,53,54,B52.9,
904145,596025,56,57,B52.10,
B23 Nat Barrier NB Birmingham ramps,14,2,0,0,
904351,595693,50,50,B23.1,
904339,595769,54,54,B23.2,
904328,595821,56.2,56.2,B23.3,
904294,595814,56.3,56.3,B23.4,
904289,595824,56.3,56.3,B23.5,
904290,595849,57,57,B23.5B,
904244,595930,55.1,55.1,B23.5C,
B45 Storage Facility,15,2,0,0,
904420,595581,58,60,B45.1,
904415,595641,54,60,B45.2,
904415,595697,54,60,B45.3,
R,1,67,4
905107,594277,19.8,R8.13
R,2,67,4
905047,594520,70.6,R8.14
R,3,67,4

905002,594534,71,R8.15
R,4,67,4
904946,594559,71.1,R8.16
R,5,67,4
904912,594632,69.5,R8.17
R,6,67,4
904626,594863,70.5,R8.18
R,7,67,4
904600,594923,70.5,R8.19
R,8,67,4
904629,595112,71.1,R8.20
R,9,67,4
904553,595209,70.4,R8.21
R,10,67,4
904505,595304,46.4,R8.22
R,11,67,4
904451,595306,44.7,R8.23
R,12,67,4
904443,595359,48,R8.24
R,13,67,4
904443,595419,51.3,R8.25
R,14,67,4
904441,595476,54.5,R8.26
R,15,67,4
904438,595558,64,R8.27
R,16,67,4
904449,595629,64.2,R8.28/ST8.6
R,17,67,4
904452,595697,65.6,R8.29
R,18,67,4
904445,595784,64.8,R8.30
D,4.5
ALL,1
ALL,2
ALL,3
ALL,4
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SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
08 MANCHESTER TO BIRMINGHAM - EAST- BUILD,BLD,FT

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	- 0.*								B100.1	239.7	
2	- 0.*								B100.2	63.4	
3	- 0.*								B100.3	90.7	
4	- 0.*								B100.4	137.2	
5	- 0.*								B100.5	145.2	
6	- 0.*								B100.6	147.5	
7	- 0.*								B8.1	124.1	
8	- 0.*								B8.2	126.0	
9	- 0.*								B8.3	101.5	
10	- 0.*								B8.4	165.8	
11	- 0.*								B7.1	62.4	
12	- 0.*								B7.2	83.1	
13	- 0.*								B7.3	44.1	
14	- 0.*								B7.4	74.8	
15	- 0.*								B7.5	89.6	
16	- 0.*								B7.6	72.1	
17	- 0.*								B7.7	67.3	
18	- 0.*								B7.8	83.0	
19	- 0.*								B7.9	56.3	
20	- 0.*								B7.10	46.0	
21	- 0.*								B7.11	104.7	
22	- 0.*								B7.12	96.1	
23	- 3.*								B50.1	360.0	
24	- 3.*								B50.2	299.2	
25	- 3.*								B50.3	206.6	
26	- 3.*								B50.4	260.0	
27	- 3.*								B50.5	285.5	
28	- 3.*								B50.6	332.1	
29	- 3.*								B50.7	327.3	
30	- 3.*								B50.8	327.3	
31	- 3.*								B50.9	325.1	
32	- 3.*								B51.1	311.1	
33	- 3.*								B51.2	266.0	
34	- 3.*								B51.3	283.5	
35	- 3.*								B51.4	307.9	
36	- 3.*								B51.5	309.6	
37	- 3.*								B51.6	332.7	
38	- 3.*								B51.7	326.8	

39	-	3.*	B51.8	320.7
40	-	3.*	B51.9	258.9
41	-	0.*	B9.1	300.3
42	-	0.*	B9.2	108.7
43	-	0.*	B9.3	127.6
44	-	0.*	B9.4	147.6
45	-	0.*	B9.5	92.2
46	-	0.*	B9.6	59.1
47	-	0.*	B9.7	141.6
48	-	0.*	B9.8	97.6
49	-	0.*	B9.9	55.6
50	-	0.*	B10.1	101.1
51	-	0.*	B10.2	57.3
52	-	0.*	B10.3	111.6
53	-	15.*	B21.1	23.0
54	-	15.*	B21.2	42.8
55	-	0.*	B11.1	154.4
56	-	0.*	B11.2	119.3
57	-	0.*	B11.3	63.6
58	-	0.*	B11.4	125.4
59	-	0.*	B11.5	112.8
60	-	0.*	B12.1	122.1
61	-	0.*	B12.2	18.1
62	-	0.*	B12.3	62.7
63	-	0.*	B12.4	180.7
64	-	0.*	B12.5	131.5
65	-	0.*	B12.6	93.3
66	-	0.*	B12.7	63.4
67	-	0.*	B12.8	56.3
68	-	0.*	B12.9	45.7
69	-	0.*	B13.1	30.9
70	-	0.*	B13.2	128.0
71	-	0.*	B13.3	131.4
72	-	0.*	B13.4	128.6
73	-	0.*	B13.5	131.6
74	-	0.*	B13.6	86.2
75	-	0.*	B13.7	42.0
76	-	0.*	B13.8	82.5
77	-	0.*	B13.9	75.2
78	-	3.*	B52.1	322.5
79	-	3.*	B52.2	369.0
80	-	3.*	B52.3	326.3
81	-	3.*	B52.4	333.5
82	-	3.*	B52.5	270.0
83	-	3.*	B52.6	319.9
84	-	3.*	B52.7	280.5
85	-	3.*	B52.8	335.1
86	-	3.*	B52.9	342.1

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87    -  0.*                        B23.1     252.7
88    -  0.*                        B23.2     174.5
89    -  0.*                        B23.3     113.9
90    -  0.*                        B23.4      36.7
91    -  0.*                        B23.5      82.2
92    -  0.*                        B23.5B    305.6

93    - 13.*                         B45.1     197.6
94    - 20.*                         B45.2     183.7
-------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
---------------------------------
 1  R8.13     67.    500.   70.3
 2  R8.14     67.    500.   67.0
 3  R8.15     67.    500.   68.2
 4  R8.16     67.    500.   69.2
 5  R8.17     67.    500.   68.1
 6  R8.18     67.    500.   72.9
 7  R8.19     67.    500.   72.9
 8  R8.20     67.    500.   73.9
 9  R8.21     67.    500.   71.1
10  R8.22     67.    500.   71.2
11  R8.23     67.    500.   78.6
12  R8.24     67.    500.   78.4
13  R8.25     67.    500.   77.2
14  R8.26     67.    500.   76.4
15  R8.27     67.    500.   74.4
16  R8.28/ST  67.    500.   72.2
17  R8.29     67.    500.   72.3
18  R8.30     67.    500.   67.3
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 3. 3.
 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 0. 0.15.15. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0.13.20.
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08 Manchester to Birmingham - EAST- DGN,DGN,Ft
T-L2 SB Outer General Lane ST 628-640,1,
3052,65,122,65,426,65,
T-L12 SB Inner General Lane ST 628-640,2,
5217,65,183,65,0,65,
T-L52 SB HOV Lane ST 628-640,3,
3000,65,0,65,0,65,
T-L51 NB HOV Lane ST 628-640,4,
3000,65,0,65,0,65,
T-L11 NB Inner General Lane ST 628-640,5,
5217,65,183,65,0,65,
T-L1 NB Outer Genral Lane ST 628-640,6,
3052,65,122,65,426,65,
T-L23 NB Manchester Off-ramp Loop,7,
1900,25,48,25,52,25,
T-L24 SB Manchester On-Ramp Loop,8,
1900,25,48,25,52,25
T-L21 NB Manchester On-ramp,9
950,45,24,45,26,45
T-L22 SB Manchester Off-ramp ,10
950,45,24,45,26,45
T-L99 SB Birmingham On-Ramp,11
976,45,14,45,10,45
T-L25 NB Birmingham Ave Off-Ramp,12
976,45,14,45,10,45
T-L14 SB Inner General Lane ST 640-654,13
5217,65,183,65,0,65
T-L54 SB HOV Lane ST 640-654,14
3000,65,0,65,0,65
T-L53 NB HOV Lane ST 640-654,15
3000,65,0,65,0,65
T-L13 NB Inner General Lane ST 640-654,16
5217,65,183,65,0,65
T-L3 NB Outer General Lane ST 640-654,17
3052,65,122,65,426,65
T-L4 SB Outer General Lane ST 640-654,18
3052,65,122,65,426,65
T-L27 NB Brimingham Dr on-ramp,19
976,45,14,45,10,45
T-L28 SB Brimingham off-ramp ,20
976,45,14,45,10,45
L2 SB Outer General Lane ST 628-640,1
N,905192,593991,11.8,L2.3,
N,905149,594036,11.6,L2.4,
N,905095,594094,12.3,L2.5,
N,905035,594157,14,L2.6,
N,904966,594230,17.3,L2.7,
N,904897,594304,20.3,L2.8,
N,904829,594374,23.3,L2.9
N,904760,594449,26.3,L2.10
N,904698,594514,29.7,L2.11
N,904644,594577,31.8,L2.12
N,904591,594649,33.2,L2.13
N,904541,594729,34,L2.14
N,904494,594818,35.3,L2.15
L12 SB Inner General Lane ST628-640,2,

N,905336,593852,16,L12.1
N,905261,593931,12.9,L12.2
N,905199,593997,11.8,L12.3
N,905154,594043,11.6,L12.4
N,905101,594100,12.3,L12.5
N,905041,594163,14.3,L12.6
N,904972,594236,17.3,L12.7
N,904903,594310,20.3,L12.8
N,904835,594380,23.3,L12.9
N,904766,594454,26.3,L12.10
N,904705,594520,29.7,L12.11
N,904651,594583,31.8,L12.12
N,904598,594655,33.2,L12.13
N,904549,594734,34,L12.14
N,904502,594823,35.3,L12.15
L52 SB Inner HOV Lane ST 628-640,3,
N,905343,593859,16.2,L52.1
N,905268,593938,13,L52.2
N,905206,594004,12,L52.3
N,905162,594050,11.7,L52.4
N,905109,594106,12.5,L52.5
N,905049,594170,14.5,L52.6
N,904979,594244,17.3,L52.7
N,904911,594316,20.5,L52.8
N,904843,594387,23.5,L52.9
N,904774,594461,26.5,L52.10
N,904711,594528,29.5,L52.11
N,904659,594590,31.5,L52.12
N,904606,594662,33,L52.13
N,904557,594739,34,L52.14
N,904511,594827,35.3,L52.15
L51 NB Inner HOV Lane ST 628-640,4,
N,905355,593870,16,L51.1
N,905280,593950,13.2,L51.2
N,905218,594016,12,L51.3
N,905173,594062,11.6,L51.4
N,905121,594119,12.5,L51.5
N,905060,594183,14.5,L51.6
N,904992,594256,17.5,L51.7
N,904924,594326,20.5,L51.8
N,904856,594398,23.5,L51.9
N,904787,594472,26.5,L51.10
N,904718,594545,29.5,L51.11
N,904666,594607,31.5,L51.12
N,904618,594673,32.7,L51.13
N,904568,594756,34,L51.14
N,904526,594835,35,L51.15
L11 NB Inner General Lane ST 628-640,5,
N,905362,593877,15.8,L11.1
N,905287,593957,13,L11.2
N,905225,594023,11.9,L11.3
N,905181,594070,11.5,L11.4
N,905127,594126,12.4,L11.5
N,905066,594189,14.4,L11.6
N,904998,594261,17.3,L11.7
N,904931,594334,20.3,L11.8

N,904864,594404,23.3,L11.9
N,904793,594478,26.3,L11.10
N,904726,594552,29.2,L11.11
N,904674,594614,31.3,L11.12
N,904625,594681,32.7,L11.13
N,904575,594760,33.7,L11.14
N,904534,594840,34.7,L11.15
L1 NB Outer Genral Lane ST 628-640,6,
N,905371,593885,15.8,L1.1
N,905295,593965,13,L1.2
N,905230,594029,11.9,L1.3
N,905187,594077,11.5,L1.4
N,905133,594133,12.4,L1.5
N,905073,594196,14.4,L1.6
N,905005,594269,17.3,L1.7
N,904937,594341,20.3,L1.8
N,904871,594411,23.3,L1.9
N,904799,594486,26.3,L1.10
N,904731,594558,29.2,L1.11
N,904681,594619,31.3,L1.12
N,904632,594686,32.7,L1.13
N,904583,594766,33.7,L1.14
N,904542,594845,34.7,L1.15
L23 NB Manchester Off-ramp Loop,7,
N,905371,593885,15.8,L23.1
N,905319,593954,13.1,L23.2
N,905255,594033,11.6,L23.3
N,905193,594113,10.6,L23.4
N,905176,594147,10.2,L23.5
N,905180,594182,9.6,L23.6
N,905191,594195,9.2,L23.7
N,905205,594205,8.5,L23.8
N,905222,594209,7.6,L23.9
N,905241,594207,6.6,L23.10
N,905255,594198,5.5,L23.11
N,905306,594093,4,L23.12
L24 SB Manchester Ave. Access Ramp,8,
N,905328,593844,16,L24.1
N,905289,593872,13.5,L24.2
N,905219,593946,12.3,L24.3
N,905149,594017,11.2,L24.4
N,905091,594073,11.4,L24.5
N,905062,594095,11,L24.6
N,905043,594097,10.4,L24.7
N,905027,594087,9.6,L24.8
N,905018,594068,8.6,L24.9
N,905022,594050,7.7,L24.10
N,905046,593974,5.2,L24.11
L21 NB Manchester ave on ramp,9,
N,905321,594095,3.8,L21.1
N,905279,594187,4.7,L21.2
N,905268,594205,5.7,L21.3
N,905249,594223,6.8,L21.4
N,905224,594232,7.9,L21.5
N,905156,594228,10.7,L21.6
N,905118,594225,12.4,L21.7

N,905080,594232,14,L21.8
N,905044,594251,15.4,L21.9
N,904974,594321,18.5,L21.10
N,904932,594363,20.4,L21.11
N,904871,594411,23.3,L21.12
L22 SB off ramp to Manchester ave,10,
N,905033,593976,5.1,L22.1
N,905011,594053,7.6,L22.2
N,905006,594093,10.1,L22.3
N,905005,594113,11.4,L22.4
N,904994,594152,13.6,L22.5
N,904974,594185,15.2,L22.6
N,904925,594247,17.7,L22.7
N,904876,594308,20.4,L22.8
N,904829,594374,23.3,L22.9
L99 SB Birmingham Ave Access Ramp,11,
N,904361,595398,41.8,L99.1
N,904344,595454,42.8,L99.2
N,904331,595501,42.8,L99.3
N,904321,595538,44,L99.4
N,904302,595590,46,L99.5
N,904286,595630,48,L99.6
N,904253,595686,52,L99.7
N,904228,595730,55,L99.8
N,904202,595778,59.8,L99.9
L25 SB Birmingham Ave Exit Ramp,12,
N,904406,595402,41.8,L25.1
N,904400,595468,43,L25.2
N,904395,595525,44.4,L25.3
N,904387,595584,45.4,L25.4
N,904373,595664,48.2,L25.5
N,904361,595722,51.3,L25.6
N,904348,595781,54.8,L25.7
N,904347,595807,55.6,L25.8
L14 SB Outer General Lane ST 640-654,13,
N,904502,594823,35.5,L14.1
N,904463,594916,36.6,L14.2
N,904430,595013,37.7,L14.3
N,904407,595110,38.3,L14.4
N,904394,595189,39.6,L14.5
N,904378,595286,40.5,L14.6
N,904361,595398,41.8,L14.7
N,904345,595495,43,L14.8
N,904322,595592,44.3,L14.9
N,904298,595671,45.3,L14.10
N,904263,595763,47.2,L14.11
N,904227,595838,49.8,L14.12
N,904178,595925,52.8,L14.13
N,904127,596016,55.8,L14.14
N,904079,596104,58.3,L14.15
L54 SB Inner HOV Lane ST 640-654,14,
N,904511,594827,35.3,L54.1
N,904471,594920,36.3,L54.2
N,904440,595016,37.4,L54.3
N,904417,595112,38.5,L54.4
N,904403,595191,39.5,L54.5

N,904387,595288,40.6,L54.6
N,904371,595400,42,L54.7
N,904354,595497,43.3,L54.8
N,904332,595595,44.5,L54.9
N,904308,595674,45.5,L54.10
N,904272,595767,47.5,L54.11
N,904234,595841,50,L54.12
N,904187,595929,53,L54.13
N,904137,596020,56,L54.14
N,904087,596108,58.5,L54.15
L53 NB Inner HOV Lane ST 640-654,15,
N,904526,594835,35,L53.1
N,904487,594927,36.3,L53.2
N,904455,595023,37.4,L53.3
N,904433,595116,38.5,L53.4
N,904421,595192,39.5,L53.5
N,904404,595289,40.7,L53.6
N,904387,595399,42,L53.7
N,904371,595499,43.4,L53.8
N,904349,595599,44.8,L53.9
N,904325,595678,45.8,L53.10
N,904290,595768,47.5,L53.11
N,904252,595844,50,L53.12
N,904201,595937,53,L53.13
N,904152,596028,56,L53.14
N,904103,596117,58.5,L53.15
L13 NB Inner General Lane ST 640-654,16,
N,904534,594840,34.7,L13.1
N,904496,594932,36.3,L13.2
N,904465,595027,37.1,L13.3
N,904442,595119,38.3,L13.4
N,904430,595194,39.3,L13.5
N,904414,595292,40.5,L13.6
N,904397,595401,41.8,L13.7
N,904381,595501,43.3,L13.8
N,904358,595602,45,L13.9
N,904334,595681,46,L13.10
N,904298,595771,47.7,L13.11
N,904262,595848,50.2,L13.12
N,904210,595943,52.8,L13.13
N,904160,596033,55.8,L13.14
N,904110,596123,58.3,L13.15
L3   NB Outer General Lane ST 640-654,17,
N,904542,594845,34.7,L3.1
N,904504,594936,36.3,L3.2
N,904473,595030,37.1,L3.3
N,904452,595122,38.3,L3.4
N,904439,595196,39.3,L3.5
N,904423,595294,40.5,L3.6
N,904406,595402,41.8,L3.7
N,904390,595503,43.3,L3.8
N,904366,595604,45,L3.9
N,904342,595685,46,L3.10
N,904308,595775,47.7,L3.11
N,904269,595852,50.2,L3.12
N,904217,595948,52.8,L3.13

N,904168,596038,55.8,L3.14
N,904118,596127,58.3,L3.15
L4 SB Outer General Lane ST 640-654,18,
N,904494,594818,35.5,L4.1
N,904453,594913,36.6,L4.2
N,904421,595011,37.7,L4.3
N,904399,595107,38.5,L4.4
N,904385,595187,39.6,L4.5
N,904369,595285,40.5,L4.6
N,904351,595396,41.8,L4.7
N,904336,595494,43,L4.8
N,904314,595589,44.3,L4.9
N,904290,595668,45.3,L4.10
N,904255,595759,47.2,L4.11
N,904217,595833,49.8,L4.12
N,904170,595921,52.8,L4.13
N,904119,596012,55.8,L4.14
N,904071,596099,58.3,L4.15
L27 NB Brimingham Dr on-ramp,19,
N,904306,595834,56.9,L27.1
N,904296,595844,57,L27.2
N,904281,595881,56.6,L27.3
N,904251,595934,55.1,L27.4
N,904220,595985,54.4,L27.5
N,904187,596036,55.1,L27.6
N,904154,596085,56.7,L27.7
N,904121,596136,58.1,L27.8
N,904091,596187,59.4,L27.9
N,904072,596221,60,L27.10
N,904026,596295,61.8,L27.11
L28 SB off-ramp to Brimingham Dr,20,
N,904181,595796,59.9,L28.1
N,904162,595867,57.2,L28.2
N,904144,595921,54.8,L28.3
N,904128,595957,53.6,L28.4
N,904112,595994,55.1,L28.5
N,904088,596049,56.7,L28.6
N,904067,596096,57.9,L28.7
N,904034,596165,59.8,L28.8
B100 NB Side,1,2,0,0
905168,594251,16,16,B100.1
905095,594253,18,18,B100.2
905082,594266,24,24,B100.3
905062,594284,30.3,30.3,B100.4
905044,594321,38,38,B100.5
905028,594361,48,48,B100.6
905010,594402,52,52,B100.7
B8 ROW NB Side near R18 - R21,2,2,0,0
904668,594788,68,68,B8.1
904645,594818,66.5,66.5,B8.2
904645,594818,66.5,70.8,B8.2
904621,594848,66,70.3,B8.3
904608,594876,64,68.3,B8.4
904585,594921,64,68.3,B8.5
B7 NB Side near R14 - R17,3,2,0,0
905066,594513,67,67,B7.1

905047,594514,67.5,67.5,B7.2,
905022,594518,67.2,67.2,B7.3,
905010,594524,67,67,B7.4,
904992,594538,67,67,B7.5,
904965,594542,68,68,B7.6,
904946,594553,68,68,B7.7,
904931,594567,68,68,B7.8,
904923,594591,68.2,68.2,B7.9,
904915,594606,66,66,B7.10,
B7 NB Side near R14 - R17,4,2,0,0,
904915,594606,66,66,B7.10,
904914,594620,66,66,B7.11,
904897,594647,66,66,B7.12,
904894,594676,69,69,B7.13,
B50 Center divider 628 - 636,5,2,0,0,
905350,593864,16.1,17.1,B50.1,
905275,593944,13.1,14.1,B50.2,
905211,594009,12,13,B50.3,
905168,594055,11.7,12.7,B50.4,
905114,594113,12.5,13.5,B50.5,
905054,594176,14.5,15.5,B50.6,
904985,594250,17.5,18.5,B50.7,
904916,594322,20.5,21.5,B50.8,
904847,594394,23.5,24.5,B50.9,
904779,594466,26.5,27.5,B50.10,
B51 Center divider 636 - 644,6,2,0,0,
904779,594466,26.5,27.5,B51.1,
904714,594535,29.5,30.5,B51.2,
904663,594598,31.5,32.5,B51.3,
904611,594667,32.8,33.8,B51.4,
904562,594747,34,35,B51.5,
904519,594831,35.1,36.1,B51.6,
904481,594925,36.3,37.3,B51.7,
904448,595019,37.4,38.4,B51.8,
904425,595114,38.5,39.5,B51.9,
904413,595192,39.5,40.5,B51.10,
B9 NB Side near R19 - R21,7,2,0,0,
904600,594909,68.5,68.5,B9.1,
904590,595000,69,69,B9.2,
904604,595030,69,69,B9.3,
904616,595067,69,69,B9.4,
904625,595111,66.3,66.3,B9.5,
904624,595139,68.5,68.5,B9.6,
904618,595156,68,68,B9.7,
904588,595187,68,68,B9.8,
904560,595177,68,68,B9.9,
904548,595189,68,68,B9.10,
B10 NB Side near R21,8,2,0,0,
904548,595189,68,68,B10.1
904541,595219,68,68,B10.2
904548,595235,68,68,B10.3
904564,595265,68,68,B10.4
B21 NB Side Building near R22,9,2,0,0
904494,595305,44.5,49.1,B21.1
904501,595305,44.9,49.5,B21.2
904502,595318,44.3,48.9,B21.3

B11 Nat Barrier Right of Way near R23 - R24,10,2,0,0
904468,595210,37,37,B11.1
904458,595256,37.5,37.5,B11.2
904453,595292,38.1,38.1,B11.3
904446,595302,42,42,B11.4
B11 Right of Way near R23 - R24,11,2,0,0
904468,595302,42,45.7,B11.4A
904446,595302,42,45.7,B11.4
904442,595324,42,45.7,B11.5A
904442,595324,42,46.9,B11.5A
904437,595345,42,46.9,B11.5
904434,595379,46,50.9,B11.6
B12 NB Side Property line near R23 - R27,12,2,0,0
904439,595368,47,50.0,B12.4
904439,595423,50,53.0,B12.5
904440,595463,52,55.0,B12.6
904435,595491,52.2,55.2,B12.7
904428,595509,53,56.0,B12.8
904429,595526,55,58.0,B12.9
904434,595538,60,63.0,B12.10
B13 NB Side Property line near,13,2,0,0
904434,595538,60,60,B13.1
904435,595547,62.5,62.5,B13.2
904436,595586,64,64,B13.3
904445,595625,63,63,B13.4
904449,595664,63.2,63.2,B13.5
904446,595704,64,64,B13.6
904438,595729,64,64,B13.7
904434,595741,66,66,B13.8
904434,595766,68.5,68.5,B13.9
904434,595788,62,62,B13.10
B52 Center divider 644 - 653,14,2,0,0
904413,595192,39.5,40.5,B52.1
904397,595289,40.6,41.6,B52.2
904379,595400,42,43,B52.3
904362,595498,43.3,44.3,B52.4
904339,595597,44.6,45.6,B52.5
904316,595676,45.6,46.6,B52.6
904281,595767,47.5,48.5,B52.7
904244,595844,50,51,B52.8
904194,595933,53,54,B52.9,
904145,596025,56,57,B52.10,
B23 Nat Barrier NB Birmingham ramps,15,2,0,0,
904351,595693,50,50,B23.1,
904339,595769,54,54,B23.2,
904328,595821,56.2,56.2,B23.3,
904294,595814,56.3,56.3,B23.4,
904289,595824,56.3,56.3,B23.5,
904290,595849,57,57,B23.5B,
904244,595930,55.1,55.1,B23.5C,
B45 Storage Facility,16,2,0,0,
904420,595581,58,60,B45.1,
904415,595641,54,60,B45.2,
904415,595697,54,60,B45.3,
R,1,67,4
905107,594277,19.8,R8.13

R,2,67,4
905047,594520,70.6,R8.14
R,3,67,4
905002,594534,71,R8.15
R,4,67,4
904946,594559,71.1,R8.16
R,5,67,4
904912,594632,69.5,R8.17
R,6,67,4
904626,594863,70.5,R8.18
R,7,67,4
904600,594923,70.5,R8.19
R,8,67,4
904629,595112,71.1,R8.20
R,9,67,4
904553,595209,70.4,R8.21
R,10,67,4
904505,595304,46.4,R8.22
R,11,67,4
904451,595306,44.7,R8.23
R,12,67,4
904443,595359,48,R8.24
R,13,67,4
904443,595419,51.3,R8.25
R,14,67,4
904441,595476,54.5,R8.26
R,15,67,4
904438,595558,64,R8.27
R,16,67,4
904449,595629,64.2,R8.28/ST8.6
R,17,67,4
904452,595697,65.6,R8.29
R,18,67,4
904445,595784,64.8,R8.30
D,4.5
ALL,1
ALL,2
ALL,3
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SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
08 MANCHESTER TO BIRMINGHAM - EAST- DGN,DGN,FT

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	- 0.*								B100.1	239.7	
2	- 0.*								B100.2	63.4	
3	- 0.*								B100.3	90.7	
4	- 0.*								B100.4	137.2	
5	- 0.*								B100.5	145.2	
6	- 0.*								B100.6	147.5	
7	- 0.*								B8.1	124.1	
8	- 7.*								B8.2	14.1	
9	- 14.*								B8.2	126.0	
10	- 14.*								B8.3	101.5	
11	- 14.*								B8.4	165.8	
12	- 0.*								B7.1	62.4	
13	- 0.*								B7.2	83.1	
14	- 0.*								B7.3	44.1	
15	- 0.*								B7.4	74.8	
16	- 0.*								B7.5	89.6	
17	- 0.*								B7.6	72.1	
18	- 0.*								B7.7	67.3	
19	- 0.*								B7.8	83.0	
20	- 0.*								B7.9	56.3	
21	- 0.*								B7.10	46.0	
22	- 0.*								B7.11	104.7	
23	- 0.*								B7.12	96.1	
24	- 3.*								B50.1	360.0	
25	- 3.*								B50.2	299.2	
26	- 3.*								B50.3	206.6	
27	- 3.*								B50.4	260.0	
28	- 3.*								B50.5	285.5	
29	- 3.*								B50.6	332.1	
30	- 3.*								B50.7	327.3	
31	- 3.*								B50.8	327.3	
32	- 3.*								B50.9	325.1	
33	- 3.*								B51.1	311.1	
34	- 3.*								B51.2	266.0	
35	- 3.*								B51.3	283.5	
36	- 3.*								B51.4	307.9	
37	- 3.*								B51.5	309.6	
38	- 3.*								B51.6	332.7	

39	-	3.*	B51.7	326.8
40	-	3.*	B51.8	320.7
41	-	3.*	B51.9	258.9
42	-	0.*	B9.1	300.3
43	-	0.*	B9.2	108.7
44	-	0.*	B9.3	127.6
45	-	0.*	B9.4	147.6
46	-	0.*	B9.5	92.2
47	-	0.*	B9.6	59.1
48	-	0.*	B9.7	141.6
49	-	0.*	B9.8	97.6
50	-	0.*	B9.9	55.6
51	-	0.*	B10.1	101.1
52	-	0.*	B10.2	57.3
53	-	0.*	B10.3	111.6
54	-	15.*	B21.1	23.0
55	-	15.*	B21.2	42.8
56	-	0.*	B11.1	154.4
57	-	0.*	B11.2	119.3
58	-	0.*	B11.3	42.1
59	-	12.*	B11.4A	72.2
60	-	12.*	B11.4	73.3
61	-	14.*	B11.5A	4.0
62	-	16.*	B11.5A	70.8
63	-	16.*	B11.5	112.8
64	-	10.*	B12.4	180.7
65	-	10.*	B12.5	131.5
66	-	10.*	B12.6	93.3
67	-	10.*	B12.7	63.4
68	-	10.*	B12.8	56.3
69	-	10.*	B12.9	45.6
70	-	0.*	B13.1	30.9
71	-	0.*	B13.2	128.0
72	-	0.*	B13.3	131.4
73	-	0.*	B13.4	128.6
74	-	0.*	B13.5	131.6
75	-	0.*	B13.6	86.2
76	-	0.*	B13.7	42.0
77	-	0.*	B13.8	82.5
78	-	0.*	B13.9	75.2
79	-	3.*	B52.1	322.5
80	-	3.*	B52.2	369.0
81	-	3.*	B52.3	326.3
82	-	3.*	B52.4	333.5
83	-	3.*	B52.5	270.0
84	-	3.*	B52.6	319.9
85	-	3.*	B52.7	280.5
86	-	3.*	B52.8	335.1

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87    -  3.*                        B52.9      342.1

88    -  0.*                        B23.1      252.7
89    -  0.*                        B23.2      174.5
90    -  0.*                        B23.3      113.9
91    -  0.*                        B23.4       36.7
92    -  0.*                        B23.5       82.2
93    -  0.*                        B23.5B     305.6

94    - 13.*                         B45.1      197.6
95    - 20.*                         B45.2      183.7
-------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
 REC REC ID    DNL  PEOPLE   LEQ(CAL)
 ---------------------------------
  1  R8.13     67.    500.   70.3
  2  R8.14     67.    500.   67.0
  3  R8.15     67.    500.   68.2
  4  R8.16     67.    500.   69.2
  5  R8.17     67.    500.   68.1
  6  R8.18     67.    500.   67.5
  7  R8.19     67.    500.   70.7
  8  R8.20     67.    500.   73.9
  9  R8.21     67.    500.   71.1
 10  R8.22     67.    500.   71.0
 11  R8.23     67.    500.   71.9
 12  R8.24     67.    500.   73.4
 13  R8.25     67.    500.   68.8
 14  R8.26     67.    500.   70.9
 15  R8.27     67.    500.   74.4
 16  R8.28/ST  67.    500.   71.9
 17  R8.29     67.    500.   72.2
 18  R8.30     67.    500.   67.3
 BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
  0. 0. 0. 0. 0. 0. 0. 7.14.14.14. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 3.
  3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0.
  0. 0. 0.15.15. 0. 0. 0.12.12.14.16.16.10.10.10.10.10.10. 0. 0. 0. 0. 0. 0. 0.
  0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0.13.20.
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09 Birmingham to Santa Fe,NoBuildWest,
T-L26 SB Birmingham on ramp STA 645-651,1,
908,45,13,45,9,45,
T-L25 NB Birmingham off ramp STA 646-651,2,
468,45,7,45,5,45,
T-L4 SB Outer General Lane STA 651-654,3,
0,65,0,65,0,65,
T-L14 SB Inner General Lane STA 651-654,4,
3269,65,87,65,244,65,
T-L54 SB General Future HOV Lane STA 651-653,5,
3513,65,87,65,0,65,
T-L53 NB General Future HOV Lane STA 651-653,6,
3513,65,87,65,0,65,
T-L13 NB Inner General Lane ,7,
3269,65,87,65,244,65,
T-L3 NB Outer General Lane ,8,
0,65,0,65,0,65,
T-L27 NB Brimingham on ramp STA 651-656,9,
420,45,6,45,4,45,
T-L28 SB Brimingham off ramp STA 651-654,10,
410,45,6,45,4,45,
T-L29 NB Santa Fe off ramp STA 658-663,11,
494,45,12,45,14,45,
T-L6 SB Outer General Lane STA 654-663,12,
0,65,0,65,0,65,
T-L30 SB Santa Fe on ramp STA 657-663,13,
456,45,12,45,12,45,
T-L16 SB Inner General Lane STA 654-663,14,
3269,65,87,65,244,65,
T-L56 SB General Future HOV Lane STA 654-663,15,
3513,65,87,65,0,65,
T-L55 NB General Future HOV Lane STA 654-663,16,
3513,65,87,65,0,65,
T-L15 NB Inner General Lane STA 654-663,17,
3269,65,87,65,244,65,
T-L5 NB Outer General Lane STA 654-663,18,
0,65,0,65,0,65,
T-L32 SB Santa Fe off ramp STA 663-667,19,
456,45,12,45,12,45,
T-L31 NB Santa Fe on ramp STA 663-668,20,
637,45,16,45,17,45,
L26 SB Birmingham on ramp STA 645-651,1,
N,904385,595187,39.6,L26.1
N,904358,595316,40.6,L26.2
N,904340,595415,41.7,L26.3
N,904328,595473,42.2,L26.4
N,904313,595532,42.9,L26.5
N,904301,595570,44.5,L26.6
N,904278,595623,48.5,L26.7
N,904228,595711,55.8,L26.8
N,904189,595780,59.8,L26.9
L25 NB Birmingham off ramp STA 646-651,2,
N,904406,595402,41.8,L25.1
N,904399,595485,43.8,L25.2
N,904390,595565,45.1,L25.3
N,904383,595604,45.8,L25.4

N,904376,595644,47.3,L25.5
N,904353,595741,53,L25.6
N,904335,595818,56.3,L25.7
L4 SB Outer General Lane STA 651-654,3,
N,904351,595396,41.8,L4.7
N,904336,595494,43,L4.8
N,904314,595589,44.3,L4.9
N,904290,595668,45.3,L4.10
N,904255,595759,47.2,L4.11
N,904217,595833,49.8,L4.12
N,904170,595921,47.3,L4.13
N,904119,596012,53,L4.14
N,904071,596099,56.3,L4.15
L14 SB Inner General Lane STA 651-654,4,
N,904361,595398,41.8,L14.7
N,904345,595495,43,L14.8
N,904322,595592,44.3,L14.9
N,904298,595671,45.3,L14.10
N,904263,595763,47.2,L14.11
N,904227,595838,49.8,L14.12
N,904178,595925,52.8,L14.13
N,904127,596016,55.8,L14.14
N,904079,596104,58.3,L14.15
L54 SB HOV Lane STA 651-653,5,
N,904371,595400,42,L54.7
N,904354,595497,43.3,L54.8
N,904332,595595,44.5,L54.9
N,904308,595674,45.5,L54.10
N,904272,595767,47.5,L54.11
N,904234,595841,50,L54.12
N,904187,595929,53,L54.13
N,904137,596020,56,L54.14
N,904087,596108,58.5,L54.15
L53 NB HOV Lane STA 651-653,6,
N,904387,595399,42,L53.7
N,904371,595499,43.4,L53.8
N,904349,595599,44.8,L53.9
N,904325,595678,45.8,L53.10
N,904290,595768,47.5,L53.11
N,904252,595844,50,L53.12
N,904201,595937,53,L53.13
N,904152,596028,56,L53.14
N,904103,596117,58.5,L53.15
L13 NB Inner General Lane,7,
N,904397,595401,41.8,L13.7
N,904381,595501,43.7,L13.8
N,904358,595602,45,L13.9
N,904334,595681,46,L13.10
N,904298,595771,47.7,L13.11
N,904262,595848,50.2,L13.12
N,904210,595943,52.8,L13.13
N,904160,596033,55.8,L13.14
N,904110,596123,58.3,L13.15
L3 NB Outer General Lane,8,
N,904406,595402,41.8,L3.7
N,904390,595503,43.7,L3.8

N,904366,595604,45,L3.9
N,904342,595685,46,L3.10
N,904308,595775,47.7,L3.11
N,904269,595852,50.2,L3.12
N,904217,595948,52.8,L3.13
N,904168,596038,55.8,L3.14
N,904118,596127,58.3,L3.15
L27 NB Birmingham on ramp STA 651-656,9,
N,904325,595829,56.5,L27.1
N,904305,595852,56.7,L27.2
N,904269,595899,55,L27.3
N,904235,595948,53.2,L27.4
N,904168,596038,55.8,L3.14
L28 SB Birmingham off ramp STA 651-654,10,
N,904181,595796,59.9,L28.1
N,904162,595867,57.2,L28.2
N,904144,595921,54.8,L28.3
N,904128,595957,53.6,L28.4
N,904112,595994,55.1,L28.5
N,904088,596049,56.7,L28.6
N,904067,596096,57.9,L28.7
N,904034,596165,59.8,L28.8
L29 NB Santa Fe off ramp STA 658-663,11,
N,903918,596490,64,L29.1
N,903876,596572,64.4,L29.2
N,903851,596626,63.9,L29.3
N,903826,596681,63.6,L29.4
N,903807,596726,62.9,L29.5
N,903787,596772,61.6,L29.6
N,903769,596829,59.3,L29.7
N,903762,596868,58.3,L29.8
N,903758,596897,58.1,L29.9
L6 SB Outer General Lane STA 654-663,12,
N,904071,596099,58.3,L6.1
N,904034,596165,59.8,L6.2
N,903978,596268,61.8,L6.3
N,903920,596374,63.3,L6.4
N,903871,596461,64,L6.5
N,903822,596552,64.4,L6.6
N,903772,596642,64.2,L6.7
N,903734,596712,63.8,L6.8
N,903676,596815,62.8,L6.9
N,903624,596906,61.3,L6.10
N,903569,597007,59.3,L6.11
N,903522,597091,57.3,L6.12
N,903473,597179,55.3,L6.13
N,903424,597270,53.3,L6.14
N,903378,597352,51.3,L6.15
L30 SB Santa Fe on ramp STA 657-663,13,
N,903920,596374,63.3,L30.1
N,903876,596445,63.8,L30.2
N,903841,596506,63.9,L30.3
N,903801,596575,63.4,L30.4
N,903770,596626,63.8,L30.5
N,903748,596659,63.5,L30.6
N,903726,596693,62.8,L30.7

N,903703,596726,61.3,L30.8
N,903670,596776,58.3,L30.9
N,903635,596824,55.5,L30.10
N,903610,596855,54.2,L30.11
N,903569,596899,53.5,L30.12
L16 SB Inner General Lane STA 654-663,14,
N,904079,596104,58.3,L16.1
N,904042,596168,59.8,L16.2
N,903986,596272,61.8,L16.3
N,903927,596379,63.3,L16.4
N,903880,596466,64,L16.5
N,903830,596556,64.4,L16.6
N,903779,596646,64.2,L16.7
N,903742,596716,63.8,L16.8
N,903684,596820,62.8,L16.9
N,903632,596911,61.3,L16.10
N,903576,597012,59.3,L16.11
N,903531,597096,57.3,L16.12
N,903481,597185,55.3,L16.13
N,903431,597273,53.3,L16.14
N,903386,597358,51.3,L16.15
L56 SB HOV Lane STA 654-663,15,
N,904087,596108,58.5,L56.1
N,904052,596173,60,L56.2
N,903996,596276,62,L56.3
N,903936,596384,63.5,L56.4
N,903888,596471,64.2,L56.5
N,903838,596560,64.6,L56.6
N,903789,596651,64.4,L56.7
N,903749,596721,64,L56.8
N,903693,596825,63,L56.9
N,903641,596917,61.5,L56.10
N,903584,597017,59.5,L56.11
N,903538,597101,57.5,L56.12
N,903489,597191,55.5,L56.13
N,903440,597278,53.5,L56.14
N,903394,597363,51.5,L56.15
L55 NB HOV Lane STA 654-663,16,
N,904103,596117,58.5,L55.1
N,904067,596182,60,L55.2
N,904009,596284,62,L55.3
N,903949,596395,63.5,L55.4
N,903903,596478,64.2,L55.5
N,903852,596570,64.6,L55.6
N,903803,596659,64.4,L55.7
N,903764,596731,64,L55.8
N,903707,596835,63,L55.9
N,903655,596925,61.5,L55.10
N,903599,597024,59.5,L55.11
N,903553,597110,57.5,L55.12
N,903504,597198,55.5,L55.13
N,903456,597285,53.5,L55.14
N,903407,597372,51.5,L55.15
L15 NB Inner General Lane STA 654-663,17,
N,904110,596123,58.3,L15.1
N,904075,596187,59.8,L15.2

N,904018,596290,61.8,L15.3
N,903958,596400,63.3,L15.4
N,903910,596484,64,L15.5
N,903860,596575,64.4,L15.6
N,903811,596664,64.2,L15.7
N,903773,596736,63.7,L15.8
N,903715,596839,62.8,L15.9
N,903664,596931,61.3,L15.10
N,903609,597030,59.3,L15.11
N,903563,597113,57.3,L15.12
N,903513,597203,55.3,L15.13
N,903465,597290,53.3,L15.14
N,903417,597376,51.3,L15.15
L5 NB Outer General Lane STA 654-663,18,
N,904118,596127,58.3,L5.1
N,904082,596193,59.8,L5.2
N,904026,596295,61.8,L5.3
N,903965,596405,63.3,L5.4
N,903918,596490,64,L5.5
N,903868,596580,64.4,L5.6
N,903819,596670,64.2,L5.7
N,903780,596741,63.7,L5.8
N,903723,596844,62.8,L5.9
N,903671,596936,61.3,L5.10
N,903616,597034,59.3,L5.11
N,903570,597118,57.3,L5.12
N,903520,597208,55.3,L5.13
N,903473,597294,53.3,L5.14
N,903425,597381,51.3,L5.15
L32 SB Santa Fe off ramp STA 663-667,19,
N,903559,596922,53.5,L32.1
N,903551,596963,53.7,L32.2
N,903539,597002,54.3,L32.3
N,903517,597058,55.2,L32.4
N,903500,597095,55.6,L32.5
N,903487,597125,55.6,L32.6
N,903467,597168,55,L32.7
N,903451,597205,54.3,L32.8
N,903424,597270,53.3,L32.9
L31 NB Santa Fe on ramp STA 663-668,20,
N,903715,596918,56.7,L31.1
N,903690,596950,54.9,L31.2
N,903666,596981,54.3,L31.3
N,903646,597015,54.6,L31.4
N,903606,597085,56.1,L31.5
N,903585,597119,56.6,L31.6
N,903564,597153,56.1,L31.7
N,903521,597221,54.7,L31.8
N,903481,597290,53.2,L31.9
N,903425,597381,51.3,L31.10
B44 SB Birmingham off ramp,1,2,0,0
904235,595685,53.8,53.8,B44.1
904205,595738,57.5,57.5,B44.2
904183,595774,59.8,59.8,B44.3
904167,595801,60,60,B44.4
904157,595866,57.2,57.2,B44.5

904137,595918,54.8,54.8,B44.6
B16 SB Birmingham off ramp,2,2,0,0
904136,595911,58,58,B16.1
904120,595931,60,60,B16.2
904106,595948,62,62,B16.3
904087,595979,64.7,64.7,B16.4
B4.8 ROW ,3,2,0,0
904301,595549,43.5,43.5,B4.8.8
904272,595618,48.3,48.3,B4.8.9
904235,595685,53.8,53.8,B4.8.10
B1 West of SB Birmingham off ramp,4,2,0,0
904079,595779,68.5,68.5,B1.1
904081,595802,68,68,B1.2
904083,595824,66.5,66.5,B1.3
904085,595854,68,68,B1.4
904085,595865,68,68,B1.5
904086,595931,65.1,65.1,B1.6
904087,595979,64.7,64.7,B1.7
904068,596016,66.8,66.8,B1.8
904070,596033,67.2,67.2,B1.9
904059,596054,69.8,69.8,B1.10
B11 SB of McKinnon Dr,5,2,0,0
904059,596054,69.8,69.8,B11.1
904042,596085,70.5,70.5,B11.2
904040,596124,70,70,B11.3
904024,596132,69,69,B11.4
904008,596161,68,68,B11.5
903999,596179,68,68,B11.6
903983,596217,66.5,66.5,B11.7
903955,596276,65,65,B11.8
903925,596342,62,62,B11.9
B12 SB Shld STA 661-665,6,2,0,0
903726,596709,63.4,63.4,B12.1
903669,596811,61.7,61.7,B12.2
903629,596882,60,60,B12.3
903598,596939,60,60,B12.4
903562,597004,57.6,57.6,B12.5
903516,597089,56,56,B12.6
B13 SB Santa Fe on ramp,7,2,0,0
903663,596773,58.3,58.3,B13.1
903628,596820,55.5,55.5,B13.2
903601,596852,54.2,54.2,B13.3
903566,596893,63.5,63.5,B13.4
B52 Center Divider ,9,2,0,0
904379,595400,42,43,B52.3
904362,595498,43.3,44.3,B52.4
904339,595597,44.6,45.6,B52.5
904316,595676,45.6,46.6,B52.6
904281,595767,47.5,48.5,B52.7
904244,595844,50,51,B52.8
904194,595933,53,54,B52.9
904145,596025,56,57,B52.10
B53 Center Divider,10,2,0,0
904145,596025,56,57,B53.1
904094,596113,58.5,59.5,B53.2
904059,596178,60.6,61.6,B53.3

904002,596281,62,63,B53.4
903942,596391,63.5,64.5,B53.5
903895,596476,64.2,65.2,B53.6
903845,596566,64.6,65.6,B53.7
903796,596656,64.4,65.4,B53.8
903756,596728,64,65,B53.9
903698,596831,63,64,B53.10
B54 Center Divider,11,2,0,0
903698,596831,63,64,B54.1
903647,596922,61.5,62.5,B54.2
903591,597022,59.5,60.5,B54.3
903544,597107,57.5,58.5,B54.4
903497,597195,55.5,56.5,B54.5
R,1,67,4
904062,595805,70.8,R9.1
R,2,67,4
904068,595886,72.8,R9.2
R,3,67,4
904080,595959,66.2,R9.3
R,4,67,4
904054,596056,71.4,R9.4
R,5,67,4
903995,596092,68.5,R9.4A
D,4.5
ALL,ALL
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
09 BIRMINGHAM TO SANTA FE,NOBUILDWEST,

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	-	0.*							B44.1	200.2	
2	-	0.*							B44.2	138.6	
3	-	0.*							B44.3	103.0	
4	-	0.*							B44.4	215.9	
5	-	0.*							B44.5	183.0	
6	-	0.*							B16.1	84.3	
7	-	0.*							B16.2	72.6	
8	-	0.*							B16.3	119.6	
9	-	0.*							B4.8.8	246.1	
10	-	0.*							B4.8.9	251.7	
11	-	0.*							B1.1	75.8	
12	-	0.*							B1.2	72.6	
13	-	0.*							B1.3	98.8	
14	-	0.*							B1.4	36.1	
15	-	0.*							B1.5	216.7	
16	-	0.*							B1.6	157.5	
17	-	0.*							B1.7	136.6	
18	-	0.*							B1.8	56.1	
19	-	0.*							B1.9	78.2	
20	-	0.*							B11.1	116.0	
21	-	0.*							B11.2	128.2	
22	-	0.*							B11.3	58.8	
23	-	0.*							B11.4	108.8	
24	-	0.*							B11.5	66.0	
25	-	0.*							B11.6	135.4	
26	-	0.*							B11.7	214.4	
27	-	0.*							B11.8	238.0	
28	-	0.*							B12.1	383.4	
29	-	0.*							B12.2	267.5	
30	-	0.*							B12.3	212.9	
31	-	0.*							B12.4	243.9	
32	-	0.*							B12.5	317.2	
33	-	0.*							B13.1	192.5	
34	-	0.*							B13.2	137.5	
35	-	0.*							B13.3	179.4	
36	-	3.*							B52.3	326.3	

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37    -  3.*                        B52.4     333.5
38    -  3.*                        B52.5     270.0
39    -  3.*                        B52.6     319.9
40    -  3.*                        B52.7     280.5
41    -  3.*                        B52.8     335.1
42    -  3.*                        B52.9     342.1

43    -  3.*                        B53.1     333.8
44    -  3.*                        B53.2     242.4
45    -  3.*                        B53.3     386.2
46    -  3.*                        B53.4     411.1
47    -  3.*                        B53.5     318.7
48    -  3.*                        B53.6     337.7
49    -  3.*                        B53.7     336.2
50    -  3.*                        B53.8     270.2
51    -  3.*                        B53.9     387.9

52    -  3.*                        B54.1     342.3
53    -  3.*                        B54.2     376.1
54    -  3.*                        B54.3     318.8
55    -  3.*                        B54.4     327.4
--------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
---------------------------------
 1  REC 1     67.    500.   67.1
 2  R9.2      67.    500.   69.3
 3  R9.3      67.    500.   71.9
 4  R9.4      67.    500.   74.5
 5  R9.4A     67.    500.   65.3
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
 3. 3. 3. 3. 3.
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09 Birmingham to Santa Fe WEST - Build,Bld,
T-L26 SB Birmingham on ramp STA 645-651,1,
976,45,14,45,10,45,
T-L25 NB Birmingham off ramp STA 646-651,2,
976,45,14,45,10,45,
T-L4 SB Outer General Lane STA 651-654,3,
3052,65,122,65,426,65,
T-L14SB Inner General Lane STA 651-654,4,
5217,65,183,65,0,65,
T-L54 SB HOV Lane STA 651-653,5,
3000,65,0,65,0,65,
T-L53 NB HOV Lane STA 651-653,6,
3000,65,0,65,0,65,
T-L13 NB Inner General Lane ,7,
5217,65,183,65,0,65,
T-L3 NB Outer General Lane ,8,
3052,65,122,65,426,65,
T-L27 NB Brimingham on ramp STA 651-656,9,
976,45,14,45,10,45,
T-L28 SB Brimingham off ramp STA 651-654,10,
976,45,14,45,10,45,
T-L29 NB Santa Fe off ramp STA 658-663,11,
950,45,24,45,26,45,
T-L6 SB Outer General Lane STA 654-663,12,
3052,65,122,65,426,65,
T-L30 SB Santa Fe on ramp STA 657-663,13,
950,45,24,45,26,45,
T-L16 SB Inner General Lane STA 654-663,14,
5217,65,183,65,0,65,
T-L56 SB HOV Lane STA 654-663,15,
3000,65,0,65,0,65,
T-L55 NB HOV Lane STA 654-663,16,
3000,65,0,65,0,65,
T-L15 NB Inner General Lane STA 654-663,17,
5217,65,183,65,0,65,
T-L5 NB Outer General Lane STA 654-663,18,
3052,65,122,65,426,65,
T-L32 SB Santa Fe off ramp STA 663-667,19,
950,45,24,45,26,45,
T-L31 NB Santa Fe on ramp STA 663-668,20,
950,45,24,45,26,45,
L26 SB Birmingham on ramp STA 645-651,1,
N,904385,595187,39.5,L26.1
N,904365,595279,40.4,L26.2
N,904350,595356,41,L26.3
N,904335,595434,41.9,L26.4
N,904320,595492,42.2,L26.5
N,904305,595549,43.5,L26.6
N,904283,595605,47.2,L26.7
N,904265,595640,50,L26.8
N,904228,595711,55.5,L26.9
N,904214,595749,57.8,L26.10
N,904200,595764,58.6,L26.11
L25 NB Birmingham off ramp STA 646-651,2,
N,904406,595402,41.8,L25.1
N,904400,595468,43,L25.2

N,904395,595525,44.4,L25.3
N,904387,595584,45.4,L25.4
N,904373,595664,48.2,L25.5
N,904361,595722,51.3,L25.6
N,904348,595781,54.8,L25.7
N,904347,595807,55.6,L25.8
L4 SB Outer General Lane STA 651-654,3,
N,904351,595396,41.8,L4.7
N,904336,595494,43,L4.8
N,904314,595589,44.3,L4.9
N,904290,595668,45.3,L4.10
N,904255,595759,47.2,L4.11
N,904217,595833,49.8,L4.12
N,904170,595921,47.3,L4.13
N,904119,596012,53,L4.14
N,904071,596099,56.3,L4.15
L14 SB Inner General Lane STA 651-654,4,
N,904361,595398,41.8,L14.7
N,904345,595495,43,L14.8
N,904322,595592,44.3,L14.9
N,904298,595671,45.3,L14.10
N,904263,595763,47.2,L14.11
N,904227,595838,49.8,L14.12
N,904178,595925,52.8,L14.13
N,904127,596016,55.8,L14.14
N,904079,596104,58.3,L14.15
L54 SB HOV Lane STA 651-653,5,
N,904371,595400,42,L54.7
N,904354,595497,43.3,L54.8
N,904332,595595,44.5,L54.9
N,904308,595674,45.5,L54.10
N,904272,595767,47.5,L54.11
N,904234,595841,50,L54.12
N,904187,595929,53,L54.13
N,904137,596020,56,L54.14
N,904087,596108,58.5,L54.15
L53 NB HOV Lane STA 651-653,6,
N,904387,595399,42,L53.7
N,904371,595499,43.4,L53.8
N,904349,595599,44.8,L53.9
N,904325,595678,45.8,L53.10
N,904290,595768,47.5,L53.11
N,904252,595844,50,L53.12
N,904201,595937,53,L53.13
N,904152,596028,56,L53.14
N,904103,596117,58.5,L53.15
L13 NB Inner General Lane,7,
N,904397,595401,41.8,L13.7
N,904381,595501,43.7,L13.8
N,904358,595602,45,L13.9
N,904334,595681,46,L13.10
N,904298,595771,47.7,L13.11
N,904262,595848,50.2,L13.12
N,904210,595943,52.8,L13.13
N,904160,596033,55.8,L13.14
N,904110,596123,58.3,L13.15

L3 NB Outer General Lane,8,
N,904406,595402,41.8,L3.7
N,904390,595503,43.7,L3.8
N,904366,595604,45,L3.9
N,904342,595685,46,L3.10
N,904308,595775,47.7,L3.11
N,904269,595852,50.2,L3.12
N,904217,595948,52.8,L3.13
N,904168,596038,55.8,L3.14
N,904118,596127,58.3,L3.15
L27 NB Birmingham on ramp STA 651-656,9,
N,904306,595834,56.9,L27.1
N,904296,595844,57,L27.2
N,904281,595881,56.6,L27.3
N,904251,595934,55.1,L27.4
N,904220,595985,54.4,L27.5
N,904187,596036,55.1,L27.6
N,904154,596085,56.7,L27.7
N,904121,596136,58.1,L27.8
N,904091,596187,59.4,L27.9
N,904072,596221,60,L27.10
N,904026,596295,61.8,L27.11
L28 SB Birmingham off ramp STA 651-654,10,
N,904181,595796,59.9,L28.1
N,904162,595867,57.2,L28.2
N,904144,595921,54.8,L28.3
N,904128,595957,53.6,L28.4
N,904112,595994,55.1,L28.5
N,904088,596049,56.7,L28.6
N,904067,596096,57.9,L28.7
N,904034,596165,59.8,L28.8
L29 NB Santa Fe off ramp STA 658-663,11,
N,903918,596490,60,L29.1
N,903897,596536,63.8,L29.2
N,903868,596591,64.3,L29.3
N,903851,596626,63.9,L29.4
N,903818,596698,63.4,L29.5
N,903795,596753,62.2,L29.6
N,903768,596807,60,L29.7
N,903742,596863,58.2,L29.8
N,903740,596882,58.1,L29.9
L6 SB Outer General Lane STA 654-663,12,
N,904071,596099,58.3,L6.1
N,904034,596165,59.8,L6.2
N,903978,596268,61.8,L6.3
N,903920,596374,63.3,L6.4
N,903871,596461,64,L6.5
N,903822,596552,64.4,L6.6
N,903772,596642,64.2,L6.7
N,903734,596712,63.8,L6.8
N,903676,596815,62.8,L6.9
N,903624,596906,61.3,L6.10
N,903569,597007,59.3,L6.11
N,903522,597091,57.3,L6.12
N,903473,597179,55.3,L6.13
N,903424,597270,53.3,L6.14

N,903378,597352,51.3,L6.15
L30 SB Santa Fe on ramp STA 657-663,13,
N,903920,596374,63.3,L30.1
N,903876,596445,63.8,L30.2
N,903841,596506,63.9,L30.3
N,903801,596575,63.4,L30.4
N,903770,596626,63.8,L30.5
N,903748,596659,63.5,L30.6
N,903726,596693,62.8,L30.7
N,903703,596726,61.3,L30.8
N,903670,596776,58.3,L30.9
N,903635,596824,55.5,L30.10
N,903610,596855,54.2,L30.11
N,903569,596899,53.5,L30.12
L16 SB Inner General Lane STA 654-663,14,
N,904079,596104,58.3,L16.1
N,904042,596168,59.8,L16.2
N,903986,596272,61.8,L16.3
N,903927,596379,63.3,L16.4
N,903880,596466,64,L16.5
N,903830,596556,64.4,L16.6
N,903779,596646,64.2,L16.7
N,903742,596716,63.8,L16.8
N,903684,596820,62.8,L16.9
N,903632,596911,61.3,L16.10
N,903576,597012,59.3,L16.11
N,903531,597096,57.3,L16.12
N,903481,597185,55.3,L16.13
N,903431,597273,53.3,L16.14
N,903386,597358,51.3,L16.15
L56 SB HOV Lane STA 654-663,15,
N,904087,596108,58.5,L56.1
N,904052,596173,60,L56.2
N,903996,596276,62,L56.3
N,903936,596384,63.5,L56.4
N,903888,596471,64.2,L56.5
N,903838,596560,64.6,L56.6
N,903789,596651,64.4,L56.7
N,903749,596721,64,L56.8
N,903693,596825,63,L56.9
N,903641,596917,61.5,L56.10
N,903584,597017,59.5,L56.11
N,903538,597101,57.5,L56.12
N,903489,597191,55.5,L56.13
N,903440,597278,53.5,L56.14
N,903394,597363,51.5,L56.15
L55 NB HOV Lane STA 654-663,16,
N,904103,596117,58.5,L55.1
N,904067,596182,60,L55.2
N,904009,596284,62,L55.3
N,903949,596395,63.5,L55.4
N,903903,596478,64.2,L55.5
N,903852,596570,64.6,L55.6
N,903803,596659,64.4,L55.7
N,903764,596731,64,L55.8
N,903707,596835,63,L55.9

N,903655,596925,61.5,L55.10
N,903599,597024,59.5,L55.11
N,903553,597110,57.5,L55.12
N,903504,597198,55.5,L55.13
N,903456,597285,53.5,L55.14
N,903407,597372,51.5,L55.15
L15 NB Inner General Lane STA 654-663,17,
N,904110,596123,58.3,L15.1
N,904075,596187,59.8,L15.2
N,904018,596290,61.8,L15.3
N,903958,596400,63.3,L15.4
N,903910,596484,64,L15.5
N,903860,596575,64.4,L15.6
N,903811,596664,64.2,L15.7
N,903773,596736,63.7,L15.8
N,903715,596839,62.8,L15.9
N,903664,596931,61.3,L15.10
N,903609,597030,59.3,L15.11
N,903563,597113,57.3,L15.12
N,903513,597203,55.3,L15.13
N,903465,597290,53.3,L15.14
N,903417,597376,51.3,L15.15
L5 NB Outer General Lane STA 654-663,18,
N,904118,596127,58.3,L5.1
N,904082,596193,59.8,L5.2
N,904026,596295,61.8,L5.3
N,903965,596405,63.3,L5.4
N,903918,596490,64,L5.5
N,903868,596580,64.4,L5.6
N,903819,596670,64.2,L5.7
N,903780,596741,63.7,L5.8
N,903723,596844,62.8,L5.9
N,903671,596936,61.3,L5.10
N,903616,597034,59.3,L5.11
N,903570,597118,57.3,L5.12
N,903520,597208,55.3,L5.13
N,903473,597294,53.3,L5.14
N,903425,597381,51.3,L5.15
L32 SB Santa Fe off ramp STA 663-667,19,
N,903579,596933,53.5,L32.1
N,903578,596956,53.6,L32.2
N,903548,597007,54.3,L32.3
N,903519,597060,55.1,L32.4
N,903493,597114,55.5,L32.5
N,903460,597187,54.6,L32.6
N,903436,597238,53.8,L32.7
N,903406,597291,52.6,L32.8
N,903376,597351,51.3,L32.9
L31 NB Santa Fe on ramp STA 663-668,20
N,903694,596928,55.4,L31.1,
N,903677,596964,55.3,L31.2,
N,903648,597017,56.7,L31.3,
N,903609,597088,57.2,L31.4,
N,903578,597138,56.1,L31.5,
N,903544,597188,55.4,L31.6,
N,903513,597239,54.3,L31.7,

N,903482,597291,53.1,L31.8,
N,903451,597341,52,L31.9,
N,903412,597410,51,L31.10,
N,903379,597466,49.2,L31.11,
B4.8 ROW ,1,2,0,0,
904316,595474,42.2,43.1,B104.8,
904315,595485,42.2,43.1,B104.9,
904297,595547,43.5,44.4,B104.10,
B44 SB Birmingham off ramp,2,2,0,0,
904167,595801,60,60,B44.4,
904157,595866,57.2,57.2,B44.5,
904137,595918,54.8,54.8,B44.6,
B16 SB Birmingham off ramp,3,2,0,0,
904136,595911,58,58,B16.1,
904120,595931,60,60,B16.2,
904106,595948,62,62,B16.3,
904087,595979,64.7,64.7,B16.4,
B1 West of SB Birmingham off ramp,4,2,0,0,
904079,595779,68.5,68.5,B1.1,
904081,595802,68,68,B1.2,
904083,595824,66.5,66.5,B1.3,
904085,595854,68,68,B1.4,
904085,595865,68,68,B1.5,
904086,595931,65.1,65.1,B1.6,
904087,595979,64.7,64.7,B1.7,
B1 West of SB Birmingham off ramp,5,2,0,0,
904087,595979,64.7,64.7,B1.7,
904086,595984,64.8,64.8,B1.8,
904086,596004,65,65,B1.8a,
904070,596033,67.2,67.2,B1.9,
904059,596054,69.8,69.8,B1.10,
B11 SB of McKinnon Dr,6,2,0,0,
904059,596054,69.8,69.8,B11.1,
904042,596085,70.5,70.5,B11.2,
904040,596124,70,70,B11.3,
904024,596132,69,69,B11.4,
B11 SB of McKinnon Dr,7,2,0,0,
904024,596132,69,69,B11.4,
904008,596161,68,68,B11.5,
903999,596179,68,68,B11.6,
B11 SB of McKinnon Dr,8,2,0,0,
903999,596179,68,68,B11.6,
903983,596217,66.5,66.5,B11.7,
903955,596276,65,65,B11.8,
903925,596342,62,62,B11.9,
B12 SB Shld STA 661-665,9,2,0,0,
903726,596709,63.4,63.4,B12.1,
903669,596811,61.7,61.7,B12.2,
903629,596882,60,60,B12.3,
903598,596939,60,60,B12.4,
903562,597004,57.6,57.6,B12.5,
903516,597089,56,56,B12.6,
B52 Center Divider ,10,2,0,0,
904379,595400,42,43,B52.3,
904362,595498,43.3,44.3,B52.4,
904339,595597,44.6,45.6,B52.5,

904316,595676,45.6,46.6,B52.6,
904281,595767,47.5,48.5,B52.7,
904244,595844,50,51,B52.8,
904194,595933,53,54,B52.9,
904145,596025,56,57,B52.10,
B53 Center Divider,11,2,0,0,
904145,596025,56,57,B53.1,
904094,596113,58.5,59.5,B53.2,
904059,596178,60.6,61.6,B53.3,
904002,596281,62,63,B53.4,
903942,596391,63.5,64.5,B53.5,
903895,596476,64.2,65.2,B53.6,
903845,596566,64.6,65.6,B53.7,
903796,596656,64.4,65.4,B53.8,
903756,596728,64,65,B53.9,
903698,596831,63,64,B53.10,
B54 Center Divider,12,2,0,0,
903698,596831,63,64,B54.1,
903647,596922,61.5,62.5,B54.2,
903591,597022,59.5,60.5,B54.3,
903544,597107,57.5,58.5,B54.4,
903497,597195,55.5,56.5,B54.5,
R,1,67,4
904062,595805,70.8,R9.1
R,2,67,4
904068,595886,72.8,R9.2
R,3,67,4
904080,595959,66.2,R9.3
R,4,67,4
904054,596056,71.4,R9.4
R,5,67,4
903995,596092,68.5,R9.4A
D,4.5
ALL,ALL
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
09 BIRMINGHAM TO SANTA FE WEST - BUILD,BLD,

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	-	3.*							B104.8	36.2	
2	-	3.*							B104.9	211.9	
3	-	0.*							B44.4	215.9	
4	-	0.*							B44.5	183.0	
5	-	0.*							B16.1	84.3	
6	-	0.*							B16.2	72.6	
7	-	0.*							B16.3	119.6	
8	-	0.*							B1.1	75.8	
9	-	0.*							B1.2	72.6	
10	-	0.*							B1.3	98.8	
11	-	0.*							B1.4	36.1	
12	-	0.*							B1.5	216.7	
13	-	0.*							B1.6	157.5	
14	-	0.*							B1.7	16.7	
15	-	0.*							B1.8	65.6	
16	-	0.*							B1.8A	108.9	
17	-	0.*							B1.9	78.2	
18	-	0.*							B11.1	116.0	
19	-	0.*							B11.2	128.2	
20	-	0.*							B11.3	58.8	
21	-	0.*							B11.4	108.8	
22	-	0.*							B11.5	66.0	
23	-	0.*							B11.6	135.4	
24	-	0.*							B11.7	214.4	
25	-	0.*							B11.8	238.0	
26	-	0.*							B12.1	383.4	
27	-	0.*							B12.2	267.5	
28	-	0.*							B12.3	212.9	
29	-	0.*							B12.4	243.9	
30	-	0.*							B12.5	317.2	
31	-	3.*							B52.3	326.3	
32	-	3.*							B52.4	333.5	
33	-	3.*							B52.5	270.0	
34	-	3.*							B52.6	319.9	

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35    -  3.*                        B52.7     280.5
36    -  3.*                        B52.8     335.1
37    -  3.*                        B52.9     342.1

38    -  3.*                        B53.1     333.8
39    -  3.*                        B53.2     242.4
40    -  3.*                        B53.3     386.2
41    -  3.*                        B53.4     411.1
42    -  3.*                        B53.5     318.7
43    -  3.*                        B53.6     337.7
44    -  3.*                        B53.7     336.2
45    -  3.*                        B53.8     270.2
46    -  3.*                        B53.9     387.9

47    -  3.*                        B54.1     342.3
48    -  3.*                        B54.2     376.1
49    -  3.*                        B54.3     318.8
50    -  3.*                        B54.4     327.4
--------------------------------------------------------------------------------
      0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
---------------------------------
 1  R9.1      67.    500.   69.1
 2  R9.2      67.    500.   71.4
 3  R9.3      67.    500.   73.8
 4  R9.4      67.    500.   76.7
 5  R9.4A     67.    500.   67.5
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
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09 Birmingham to Santa Fe WEST - DGN,Bld,DGN,ft,
T-L26 SB Birmingham on ramp STA 645-651,1,
976,45,14,45,10,45,
T-L25 NB Birmingham off ramp STA 646-651,2,
976,45,14,45,10,45,
T-L4 SB Outer General Lane STA 651-654,3,
3052,65,122,65,426,65,
T-L14SB Inner General Lane STA 651-654,4,
5217,65,183,65,0,65,
T-L54 SB HOV Lane STA 651-653,5,
3000,65,0,65,0,65,
T-L53 NB HOV Lane STA 651-653,6,
3000,65,0,65,0,65,
T-L13 NB Inner General Lane ,7,
5217,65,183,65,0,65,
T-L3 NB Outer General Lane ,8,
3052,65,122,65,426,65,
T-L27 NB Brimingham on ramp STA 651-656,9,
976,45,14,45,10,45,
T-L28 SB Brimingham off ramp STA 651-654,10,
976,45,14,45,10,45,
T-L29 NB Santa Fe off ramp STA 658-663,11,
950,45,24,45,26,45,
T-L6 SB Outer General Lane STA 654-663,12,
3052,65,122,65,426,65,
T-L30 SB Santa Fe on ramp STA 657-663,13,
950,45,24,45,26,45,
T-L16 SB Inner General Lane STA 654-663,14,
5217,65,183,65,0,65,
T-L56 SB HOV Lane STA 654-663,15,
3000,65,0,65,0,65,
T-L55 NB HOV Lane STA 654-663,16,
3000,65,0,65,0,65,
T-L15 NB Inner General Lane STA 654-663,17,
5217,65,183,65,0,65,
T-L5 NB Outer General Lane STA 654-663,18,
3052,65,122,65,426,65,
T-L32 SB Santa Fe off ramp STA 663-667,19,
950,45,24,45,26,45,
T-L31 NB Santa Fe on ramp STA 663-668,20,
950,45,24,45,26,45,
L26 SB Birmingham on ramp STA 645-651,1,
N,904385,595187,39.5,L26.1
N,904365,595279,40.4,L26.2
N,904350,595356,41,L26.3
N,904335,595434,41.9,L26.4
N,904320,595492,42.2,L26.5
N,904305,595549,43.5,L26.6
N,904283,595605,47.2,L26.7
N,904265,595640,50,L26.8
N,904228,595711,55.5,L26.9
N,904214,595749,57.8,L26.10
N,904200,595764,58.6,L26.11
L25 NB Birmingham off ramp STA 646-651,2,
N,904406,595402,41.8,L25.1
N,904400,595468,43,L25.2

N,904395,595525,44.4,L25.3
N,904387,595584,45.4,L25.4
N,904373,595664,48.2,L25.5
N,904361,595722,51.3,L25.6
N,904348,595781,54.8,L25.7
N,904347,595807,55.6,L25.8
L4 SB Outer General Lane STA 651-654,3,
N,904351,595396,41.8,L4.7
N,904336,595494,43,L4.8
N,904314,595589,44.3,L4.9
N,904290,595668,45.3,L4.10
N,904255,595759,47.2,L4.11
N,904217,595833,49.8,L4.12
N,904170,595921,47.3,L4.13
N,904119,596012,53,L4.14
N,904071,596099,56.3,L4.15
L14 SB Inner General Lane STA 651-654,4,
N,904361,595398,41.8,L14.7
N,904345,595495,43,L14.8
N,904322,595592,44.3,L14.9
N,904298,595671,45.3,L14.10
N,904263,595763,47.2,L14.11
N,904227,595838,49.8,L14.12
N,904178,595925,52.8,L14.13
N,904127,596016,55.8,L14.14
N,904079,596104,58.3,L14.15
L54 SB HOV Lane STA 651-653,5,
N,904371,595400,42,L54.7
N,904354,595497,43.3,L54.8
N,904332,595595,44.5,L54.9
N,904308,595674,45.5,L54.10
N,904272,595767,47.5,L54.11
N,904234,595841,50,L54.12
N,904187,595929,53,L54.13
N,904137,596020,56,L54.14
N,904087,596108,58.5,L54.15
L53 NB HOV Lane STA 651-653,6,
N,904387,595399,42,L53.7
N,904371,595499,43.4,L53.8
N,904349,595599,44.8,L53.9
N,904325,595678,45.8,L53.10
N,904290,595768,47.5,L53.11
N,904252,595844,50,L53.12
N,904201,595937,53,L53.13
N,904152,596028,56,L53.14
N,904103,596117,58.5,L53.15
L13 NB Inner General Lane,7,
N,904397,595401,41.8,L13.7
N,904381,595501,43.7,L13.8
N,904358,595602,45,L13.9
N,904334,595681,46,L13.10
N,904298,595771,47.7,L13.11
N,904262,595848,50.2,L13.12
N,904210,595943,52.8,L13.13
N,904160,596033,55.8,L13.14
N,904110,596123,58.3,L13.15

L3 NB Outer General Lane,8,
N,904406,595402,41.8,L3.7
N,904390,595503,43.7,L3.8
N,904366,595604,45,L3.9
N,904342,595685,46,L3.10
N,904308,595775,47.7,L3.11
N,904269,595852,50.2,L3.12
N,904217,595948,52.8,L3.13
N,904168,596038,55.8,L3.14
N,904118,596127,58.3,L3.15
L27 NB Birmingham on ramp STA 651-656,9,
N,904306,595834,56.9,L27.1
N,904296,595844,57,L27.2
N,904281,595881,56.6,L27.3
N,904251,595934,55.1,L27.4
N,904220,595985,54.4,L27.5
N,904187,596036,55.1,L27.6
N,904154,596085,56.7,L27.7
N,904121,596136,58.1,L27.8
N,904091,596187,59.4,L27.9
N,904072,596221,60,L27.10
N,904026,596295,61.8,L27.11
L28 SB Birmingham off ramp STA 651-654,10,
N,904181,595796,59.9,L28.1
N,904162,595867,57.2,L28.2
N,904144,595921,54.8,L28.3
N,904128,595957,53.6,L28.4
N,904112,595994,55.1,L28.5
N,904088,596049,56.7,L28.6
N,904067,596096,57.9,L28.7
N,904034,596165,59.8,L28.8
L29 NB Santa Fe off ramp STA 658-663,11,
N,903918,596490,60,L29.1
N,903897,596536,63.8,L29.2
N,903868,596591,64.3,L29.3
N,903851,596626,63.9,L29.4
N,903818,596698,63.4,L29.5
N,903795,596753,62.2,L29.6
N,903768,596807,60,L29.7
N,903742,596863,58.2,L29.8
N,903740,596882,58.1,L29.9
L6 SB Outer General Lane STA 654-663,12,
N,904071,596099,58.3,L6.1
N,904034,596165,59.8,L6.2
N,903978,596268,61.8,L6.3
N,903920,596374,63.3,L6.4
N,903871,596461,64,L6.5
N,903822,596552,64.4,L6.6
N,903772,596642,64.2,L6.7
N,903734,596712,63.8,L6.8
N,903676,596815,62.8,L6.9
N,903624,596906,61.3,L6.10
N,903569,597007,59.3,L6.11
N,903522,597091,57.3,L6.12
N,903473,597179,55.3,L6.13
N,903424,597270,53.3,L6.14

N,903378,597352,51.3,L6.15
L30 SB Santa Fe on ramp STA 657-663,13,
N,903920,596374,63.3,L30.1
N,903876,596445,63.8,L30.2
N,903841,596506,63.9,L30.3
N,903801,596575,63.4,L30.4
N,903770,596626,63.8,L30.5
N,903748,596659,63.5,L30.6
N,903726,596693,62.8,L30.7
N,903703,596726,61.3,L30.8
N,903670,596776,58.3,L30.9
N,903635,596824,55.5,L30.10
N,903610,596855,54.2,L30.11
N,903569,596899,53.5,L30.12
L16 SB Inner General Lane STA 654-663,14,
N,904079,596104,58.3,L16.1
N,904042,596168,59.8,L16.2
N,903986,596272,61.8,L16.3
N,903927,596379,63.3,L16.4
N,903880,596466,64,L16.5
N,903830,596556,64.4,L16.6
N,903779,596646,64.2,L16.7
N,903742,596716,63.8,L16.8
N,903684,596820,62.8,L16.9
N,903632,596911,61.3,L16.10
N,903576,597012,59.3,L16.11
N,903531,597096,57.3,L16.12
N,903481,597185,55.3,L16.13
N,903431,597273,53.3,L16.14
N,903386,597358,51.3,L16.15
L56 SB HOV Lane STA 654-663,15,
N,904087,596108,58.5,L56.1
N,904052,596173,60,L56.2
N,903996,596276,62,L56.3
N,903936,596384,63.5,L56.4
N,903888,596471,64.2,L56.5
N,903838,596560,64.6,L56.6
N,903789,596651,64.4,L56.7
N,903749,596721,64,L56.8
N,903693,596825,63,L56.9
N,903641,596917,61.5,L56.10
N,903584,597017,59.5,L56.11
N,903538,597101,57.5,L56.12
N,903489,597191,55.5,L56.13
N,903440,597278,53.5,L56.14
N,903394,597363,51.5,L56.15
L55 NB HOV Lane STA 654-663,16,
N,904103,596117,58.5,L55.1
N,904067,596182,60,L55.2
N,904009,596284,62,L55.3
N,903949,596395,63.5,L55.4
N,903903,596478,64.2,L55.5
N,903852,596570,64.6,L55.6
N,903803,596659,64.4,L55.7
N,903764,596731,64,L55.8
N,903707,596835,63,L55.9

N,903655,596925,61.5,L55.10
N,903599,597024,59.5,L55.11
N,903553,597110,57.5,L55.12
N,903504,597198,55.5,L55.13
N,903456,597285,53.5,L55.14
N,903407,597372,51.5,L55.15
L15 NB Inner General Lane STA 654-663,17,
N,904110,596123,58.3,L15.1
N,904075,596187,59.8,L15.2
N,904018,596290,61.8,L15.3
N,903958,596400,63.3,L15.4
N,903910,596484,64,L15.5
N,903860,596575,64.4,L15.6
N,903811,596664,64.2,L15.7
N,903773,596736,63.7,L15.8
N,903715,596839,62.8,L15.9
N,903664,596931,61.3,L15.10
N,903609,597030,59.3,L15.11
N,903563,597113,57.3,L15.12
N,903513,597203,55.3,L15.13
N,903465,597290,53.3,L15.14
N,903417,597376,51.3,L15.15
L5 NB Outer General Lane STA 654-663,18,
N,904118,596127,58.3,L5.1
N,904082,596193,59.8,L5.2
N,904026,596295,61.8,L5.3
N,903965,596405,63.3,L5.4
N,903918,596490,64,L5.5
N,903868,596580,64.4,L5.6
N,903819,596670,64.2,L5.7
N,903780,596741,63.7,L5.8
N,903723,596844,62.8,L5.9
N,903671,596936,61.3,L5.10
N,903616,597034,59.3,L5.11
N,903570,597118,57.3,L5.12
N,903520,597208,55.3,L5.13
N,903473,597294,53.3,L5.14
N,903425,597381,51.3,L5.15
L32 SB Santa Fe off ramp STA 663-667,19,
N,903579,596933,53.5,L32.1
N,903578,596956,53.6,L32.2
N,903548,597007,54.3,L32.3
N,903519,597060,55.1,L32.4
N,903493,597114,55.5,L32.5
N,903460,597187,54.6,L32.6
N,903436,597238,53.8,L32.7
N,903406,597291,52.6,L32.8
N,903376,597351,51.3,L32.9
L31 NB Santa Fe on ramp STA 663-668,20
N,903694,596928,55.4,L31.1,
N,903677,596964,55.3,L31.2,
N,903648,597017,56.7,L31.3,
N,903609,597088,57.2,L31.4,
N,903578,597138,56.1,L31.5,
N,903544,597188,55.4,L31.6,
N,903513,597239,54.3,L31.7,

N,903482,597291,53.1,L31.8,
N,903451,597341,52,L31.9,
N,903412,597410,51,L31.10,
N,903379,597466,49.2,L31.11,
B4.8 ROW ,1,2,0,0,
904316,595474,42.2,43.1,B104.8,
904315,595485,42.2,43.1,B104.9,
904297,595547,43.5,44.4,B104.10,
B44 SB Birmingham off ramp,2,2,0,0,
904167,595801,60,60,B44.4,
904157,595866,57.2,57.2,B44.5,
904137,595918,54.8,54.8,B44.6,
B16 SB Birmingham off ramp,3,2,0,0,
904136,595911,58,58,B16.1,
904128,595921,59,59,B16.1A,
904128,595921,59,62.0,B16.1A,
904120,595931,60,63.0,B16.2,
904106,595948,62,65.0,B16.3,
904087,595979,64.7,67.7,B16.4,
B1 West of SB Birmingham off ramp,4,2,0,0,
904079,595779,68.5,68.5,B1.1,
904081,595802,68,68,B1.2,
904083,595824,66.5,66.5,B1.3,
904085,595854,68,68,B1.4,
904085,595865,68,68,B1.5
904086,595931,65.1,65.1,B1.6
904087,595979,64.7,64.7,B1.7
B1 West of SB Birmingham off ramp,5,2,0,0
904087,595979,64.7,67.7,B1.7
904086,595984,64.8,67.8,B101.2
904086,596004,65,68.0,B101.3
904070,596033,67.2,70.2,B1.9
904059,596054,69.8,72.8,B1.10
B11 SB of McKinnon Dr,6,2,0,0
904059,596054,69.8,72.8,B11.1
904042,596085,70.5,73.5,B11.2
904042,596085,70.5,70.5,B11.2
904040,596124,70,70,B11.3
904024,596132,69,69,B11.4
B11 SB of McKinnon Dr,7,2,0,0
904024,596132,69,69,B11.4,
904008,596161,68,68,B11.5,
903999,596179,68,68,B11.6,
B11 SB of McKinnon Dr,8,2,0,0,
903999,596179,68,68,B11.6,
903983,596217,66.5,66.5,B11.7,
903955,596276,65,65,B11.8,
903925,596342,62,62,B11.9,
B52 Center Divider ,9,2,0,0,
904379,595400,42,43,B52.3,
904362,595498,43.3,44.3,B52.4,
904339,595597,44.6,45.6,B52.5,
904316,595676,45.6,46.6,B52.6,
904281,595767,47.5,48.5,B52.7,
904244,595844,50,51,B52.8,
904194,595933,53,54,B52.9,

904145,596025,56,57,B52.10,
B53 Center Divider,10,2,0,0,
904145,596025,56,57,B53.1,
904094,596113,58.5,59.5,B53.2,
904059,596178,60.6,61.6,B53.3,
904002,596281,62,63,B53.4,
903942,596391,63.5,64.5,B53.5,
903895,596476,64.2,65.2,B53.6,
903845,596566,64.6,65.6,B53.7,
903796,596656,64.4,65.4,B53.8,
903756,596728,64,65,B53.9,
903698,596831,63,64,B53.10,
B54 Center Divider,11,2,0,0,
903698,596831,63,64,B54.1,
903647,596922,61.5,62.5,B54.2,
903591,597022,59.5,60.5,B54.3,
903544,597107,57.5,58.5,B54.4,
903497,597195,55.5,56.5,B54.5,
R,1,67,4
904062,595805,70.8,R9.1
R,2,67,4
904068,595886,72.8,R9.2
R,3,67,4
904080,595959,66.2,R9.3
R,4,67,4
904054,596056,71.4,R9.4
R,5,67,4
903995,596092,68.5,R9.4A
D,4.5
ALL,ALL
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
09 BIRMINGHAM TO SANTA FE WEST - DGN,BLD,DGN,FT,

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	-	3.*							B104.8	36.2	
2	-	3.*							B104.9	211.9	
3	-	0.*							B44.4	215.9	
4	-	0.*							B44.5	183.0	
5	-	0.*							B16.1	42.2	
6	-	5.*							B16.1A	9.8	
7	-	10.*							B16.1A	42.1	
8	-	10.*							B16.2	72.6	
9	-	10.*							B16.3	119.6	
10	-	0.*							B1.1	75.8	
11	-	0.*							B1.2	72.6	
12	-	0.*							B1.3	98.8	
13	-	0.*							B1.4	36.1	
14	-	0.*							B1.5	216.7	
15	-	0.*							B1.6	157.5	
16	-	10.*							B1.7	16.7	
17	-	10.*							B101.2	65.6	
18	-	10.*							B101.3	108.9	
19	-	10.*							B1.9	78.2	
20	-	10.*							B11.1	116.0	
21	-	5.*							B11.2	9.8	
22	-	0.*							B11.2	128.2	
23	-	0.*							B11.3	58.8	
24	-	0.*							B11.4	108.8	
25	-	0.*							B11.5	66.0	
26	-	0.*							B11.6	135.4	
27	-	0.*							B11.7	214.4	
28	-	0.*							B11.8	238.0	
29	-	3.*							B52.3	326.3	
30	-	3.*							B52.4	333.5	
31	-	3.*							B52.5	270.0	
32	-	3.*							B52.6	319.9	
33	-	3.*							B52.7	280.5	
34	-	3.*							B52.8	335.1	
35	-	3.*							B52.9	342.1	

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36    -  3.*                        B53.1     333.8
37    -  3.*                        B53.2     242.4
38    -  3.*                        B53.3     386.2
39    -  3.*                        B53.4     411.1
40    -  3.*                        B53.5     318.7
41    -  3.*                        B53.6     337.7
42    -  3.*                        B53.7     336.2
43    -  3.*                        B53.8     270.2
44    -  3.*                        B53.9     387.9

45    -  3.*                        B54.1     342.3
46    -  3.*                        B54.2     376.1
47    -  3.*                        B54.3     318.8
48    -  3.*                        B54.4     327.4
--------------------------------------------------------------------------------
      0   1   2   3   4   5   6   7
1
 REC REC ID    DNL  PEOPLE   LEQ(CAL)
 ---------------------------------
  1  R9.1      67.    500.   68.9
  2  R9.2      67.    500.   70.8
  3  R9.3      67.    500.   69.4
  4  R9.4      67.    500.   67.9
  5  R9.4A     67.    500.   67.0
 BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
  3. 3. 0. 0. 0. 5.10.10.10. 0. 0. 0. 0. 0. 0.10.10.10.10.10. 5. 0. 0. 0. 0.
  0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
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09 Birmingham to Santa Fe,NoBuildEast,
T-L26 SB Birmingham on ramp STA 645-651,1,
908,45,13,45,9,45,
T-L25 NB Birmingham off ramp STA 646-651,2,
468,45,7,45,5,45,
T-L4 SB Outer General Lane STA 651-654,3,
0,65,0,65,0,65,
T-L14 SB Inner General Lane STA 651-654,4,
3269,65,87,65,244,65,
T-L54 SB General Future HOV Lane STA 651-653,5,
3513,65,87,65,0,65,
T-L53 NB General Future HOV Lane STA 651-653,6,
3513,65,87,65,0,65,
T-L13   NB Inner General Lane ,7,
3269,65,87,65,244,65,
T-L3 NB Outer General Lane ,8,
0,65,0,65,0,65,
T-L27 NB Brimingham on ramp STA 651-656,9,
420,45,6,45,4,45,
T-L28 SB Brimingham off ramp STA 651-654,10,
410,45,6,45,4,45,
T-L29 NB Santa Fe off ramp STA 658-663,11,
494,45,12,45,14,45,
T-L6 SB Outer General Lane STA 654-663,12,
0,65,0,65,0,65,
T-L30 SB Santa Fe on ramp STA 657-663,13,
456,45,12,45,12,45,
T-L16 SB Inner General Lane STA 654-663,14,
3269,65,87,65,244,65,
T-L56 SB General Future HOV Lane STA 654-663,15,
3513,65,87,65,0,65,
T-L55 NB General Future HOV Lane STA 654-663,16,
3513,65,87,65,0,65,
T-L15 NB Inner General Lane STA 654-663,17,
3269,65,87,65,244,65,
T-L5   NB Outer General Lane STA 654-663,18,
0,65,0,65,0,65,
T-L32 SB Santa Fe off ramp STA 663-667,19,
456,45,12,45,12,45,
T-L31 NB Santa Fe on ramp STA 663-668,20,
637,45,16,45,17,45,
L26 SB Birmingham on ramp STA 645-651,1,
N,904385,595187,39.6,L26.1
N,904358,595316,40.6,L26.2
N,904340,595415,41.7,L26.3
N,904328,595473,42.2,L26.4
N,904313,595532,42.9,L26.5
N,904301,595570,44.5,L26.6
N,904278,595623,48.5,L26.7
N,904228,595711,55.8,L26.8
N,904189,595780,59.8,L26.9
L25 NB Birmingham off ramp STA 646-651,2,
N,904406,595402,41.8,L25.1
N,904399,595485,43.8,L25.2
N,904390,595565,45.1,L25.3
N,904383,595604,45.8,L25.4

N,904376,595644,47.3,L25.5
N,904353,595741,53,L25.6
N,904335,595818,56.3,L25.7
L4 SB Outer General Lane STA 651-654,3,
N,904351,595396,41.8,L4.7
N,904336,595494,43,L4.8
N,904314,595589,44.3,L4.9
N,904290,595668,45.3,L4.10
N,904255,595759,47.2,L4.11
N,904217,595833,49.8,L4.12
N,904170,595921,47.3,L4.13
N,904119,596012,53,L4.14
N,904071,596099,56.3,L4.15
L14 SB Inner General Lane STA 651-654,4,
N,904361,595398,41.8,L14.7
N,904345,595495,43,L14.8
N,904322,595592,44.3,L14.9
N,904298,595671,45.3,L14.10
N,904263,595763,47.2,L14.11
N,904227,595838,49.8,L14.12
N,904178,595925,52.8,L14.13
N,904127,596016,55.8,L14.14
N,904079,596104,58.3,L14.15
L54 SB HOV Lane STA 651-653,5,
N,904371,595400,42,L54.7
N,904354,595497,43.3,L54.8
N,904332,595595,44.5,L54.9
N,904308,595674,45.5,L54.10
N,904272,595767,47.5,L54.11
N,904234,595841,50,L54.12
N,904187,595929,53,L54.13
N,904137,596020,56,L54.14
N,904087,596108,58.5,L54.15
L53 NB HOV Lane STA 651-653,6,
N,904387,595399,42,L53.7
N,904371,595499,43.4,L53.8
N,904349,595599,44.8,L53.9
N,904325,595678,45.8,L53.10
N,904290,595768,47.5,L53.11
N,904252,595844,50,L53.12
N,904201,595937,53,L53.13
N,904152,596028,56,L53.14
N,904103,596117,58.5,L53.15
L13 NB Inner General Lane,7,
N,904397,595401,41.8,L13.7
N,904381,595501,43.7,L13.8
N,904358,595602,45,L13.9
N,904334,595681,46,L13.10
N,904298,595771,47.7,L13.11
N,904262,595848,50.2,L13.12
N,904210,595943,52.8,L13.13
N,904160,596033,55.8,L13.14
N,904110,596123,58.3,L13.15
L3 NB Outer General Lane,8,
N,904406,595402,41.8,L3.7
N,904390,595503,43.7,L3.8

N,904366,595604,45,L3.9
N,904342,595685,46,L3.10
N,904308,595775,47.7,L3.11
N,904269,595852,50.2,L3.12
N,904217,595948,52.8,L3.13
N,904168,596038,55.8,L3.14
N,904118,596127,58.3,L3.15
L27 NB Birmingham on ramp STA 651-656,9,
N,904325,595829,56.5,L27.1
N,904305,595852,56.7,L27.2
N,904269,595899,55.0,L27.3
N,904235,595948,53.2,L27.4
N,904168,596038,55.8,L3.14
L28 SB Birmingham off ramp STA 651-654,10,
N,904181,595796,59.9,L28.1
N,904162,595867,57.2,L28.2
N,904144,595921,54.8,L28.3
N,904128,595957,53.6,L28.4
N,904112,595994,55.1,L28.5
N,904088,596049,56.7,L28.6
N,904067,596096,57.9,L28.7
N,904034,596165,59.8,L28.8
L29 NB Santa Fe off ramp STA 658-663,11,
N,903918,596490,64,L29.1
N,903876,596572,64.4,L29.2
N,903851,596626,63.9,L29.3
N,903826,596681,63.6,L29.4
N,903807,596726,62.9,L29.5
N,903787,596772,61.6,L29.6
N,903769,596829,59.3,L29.7
N,903762,596868,58.3,L29.8
N,903758,596897,58.1,L29.9
L6 SB Outer General Lane STA 654-663,12,
N,904071,596099,58.3,L6.1
N,904034,596165,59.8,L6.2
N,903978,596268,61.8,L6.3
N,903920,596374,63.3,L6.4
N,903871,596461,64,L6.5
N,903822,596552,64.4,L6.6
N,903772,596642,64.2,L6.7
N,903734,596712,63.8,L6.8
N,903676,596815,62.8,L6.9
N,903624,596906,61.3,L6.10
N,903569,597007,59.3,L6.11
N,903522,597091,57.3,L6.12
N,903473,597179,55.3,L6.13
N,903424,597270,53.3,L6.14
N,903378,597352,51.3,L6.15
L30 SB Santa Fe on ramp STA 657-663,13,
N,903920,596374,63.3,L30.1
N,903876,596445,63.8,L30.2
N,903841,596506,63.9,L30.3
N,903801,596575,63.4,L30.4
N,903770,596626,63.8,L30.5
N,903748,596659,63.5,L30.6
N,903726,596693,62.8,L30.7

N,903703,596726,61.3,L30.8
N,903670,596776,58.3,L30.9
N,903635,596824,55.5,L30.10
N,903610,596855,54.2,L30.11
N,903569,596899,53.5,L30.12
L16 SB Inner General Lane STA 654-663,14,
N,904079,596104,58.3,L16.1
N,904042,596168,59.8,L16.2
N,903986,596272,61.8,L16.3
N,903927,596379,63.3,L16.4
N,903880,596466,64,L16.5
N,903830,596556,64.4,L16.6
N,903779,596646,64.2,L16.7
N,903742,596716,63.8,L16.8
N,903684,596820,62.8,L16.9
N,903632,596911,61.3,L16.10
N,903576,597012,59.3,L16.11
N,903531,597096,57.3,L16.12
N,903481,597185,55.3,L16.13
N,903431,597273,53.3,L16.14
N,903386,597358,51.3,L16.15
L56 SB HOV Lane STA 654-663,15,
N,904087,596108,58.5,L56.1
N,904052,596173,60,L56.2
N,903996,596276,62,L56.3
N,903936,596384,63.5,L56.4
N,903888,596471,64.2,L56.5
N,903838,596560,64.6,L56.6
N,903789,596651,64.4,L56.7
N,903749,596721,64,L56.8
N,903693,596825,63,L56.9
N,903641,596917,61.5,L56.10
N,903584,597017,59.5,L56.11
N,903538,597101,57.5,L56.12
N,903489,597191,55.5,L56.13
N,903440,597278,53.5,L56.14
N,903394,597363,51.5,L56.15
L55 NB HOV Lane STA 654-663,16,
N,904103,596117,58.5,L55.1
N,904067,596182,60,L55.2
N,904009,596284,62,L55.3
N,903949,596395,63.5,L55.4
N,903903,596478,64.2,L55.5
N,903852,596570,64.6,L55.6
N,903803,596659,64.4,L55.7
N,903764,596731,64,L55.8
N,903707,596835,63,L55.9
N,903655,596925,61.5,L55.10
N,903599,597024,59.5,L55.11
N,903553,597110,57.5,L55.12
N,903504,597198,55.5,L55.13
N,903456,597285,53.5,L55.14
N,903407,597372,51.5,L55.15
L15 NB Inner General Lane STA 654-663,17,
N,904110,596123,58.3,L15.1
N,904075,596187,59.8,L15.2

N,904018,596290,61.8,L15.3
N,903958,596400,63.3,L15.4
N,903910,596484,64,L15.5
N,903860,596575,64.4,L15.6
N,903811,596664,64.2,L15.7
N,903773,596736,63.7,L15.8
N,903715,596839,62.8,L15.9
N,903664,596931,61.3,L15.10
N,903609,597030,59.3,L15.11
N,903563,597113,57.3,L15.12
N,903513,597203,55.3,L15.13
N,903465,597290,53.3,L15.14
N,903417,597376,51.3,L15.15
L5 NB Outer General Lane STA 654-663,18,
N,904118,596127,58.3,L5.1
N,904082,596193,59.8,L5.2
N,904026,596295,61.8,L5.3
N,903965,596405,63.3,L5.4
N,903918,596490,64,L5.5
N,903868,596580,64.4,L5.6
N,903819,596670,64.2,L5.7
N,903780,596741,63.7,L5.8
N,903723,596844,62.8,L5.9
N,903671,596936,61.3,L5.10
N,903616,597034,59.3,L5.11
N,903570,597118,57.3,L5.12
N,903520,597208,55.3,L5.13
N,903473,597294,53.3,L5.14
N,903425,597381,51.3,L5.15
L32 SB Santa Fe off ramp STA 663-667,19,
N,903559,596922,53.5,L32.1
N,903551,596963,53.7,L32.2
N,903539,597002,54.3,L32.3
N,903517,597058,55.2,L32.4
N,903500,597095,55.6,L32.5
N,903487,597125,55.6,L32.6
N,903467,597168,55,L32.7
N,903451,597205,54.3,L32.8
N,903424,597270,53.3,L32.9
L31 NB Santa Fe on ramp STA 663-668,20,
N,903715,596918,56.7,L31.1
N,903690,596950,54.9,L31.2
N,903666,596981,54.3,L31.3
N,903646,597015,54.6,L31.4
N,903606,597085,56.1,L31.5
N,903585,597119,56.6,L31.6
N,903564,597153,56.1,L31.7
N,903521,597221,54.7,L31.8
N,903481,597290,53.2,L31.9
N,903425,597381,51.3,L31.10
B23 NB Birmingham off/on ramps ,1,2,0,0
904351,595693,50,50,B23.1
904339,595769,54,54,B23.2
904328,595821,56.3,56.3,B23.3
904294,595814,56.3,56.3,B23.4
904289,595824,56.3,56.3,B23.5

904313,595830,56.4,56.4,B23.6
904312,595841,56.8,56.8,B23.7
904250,595913,54.5,54.5,B23.8
904219,595951,53.6,53.6,B23.9
B4 NB ROW STA 651-657,2,2,0,0
904300,595869,56,56,B4.1
904273,595902,55,55,B4.2
904246,595942,53.5,53.5,B4.3
904216,595994,53.3,53.3,B4.4
904183,596058,54,54,B4.5
904160,596100,58,58,B4.6
904122,596178,64,64,B4.7
904109,596205,66,66,B4.7A
904099,596229,67.5,67.5,B4.8B
904088,596249,68.5,68.5,B4.8
B4 NB ROW STA 651-657,3,2,0,0
904088,596249,68.5,68.5,B4.8
904052,596307,70.3,70.3,B4.9
904028,596345,69.5,69.5,B4.9A
904004,596380,67.5,67.5,B4.10
B10 Nursery,4,2,0,0
904020,596464,66.5,71.5,B10.1
903961,596463,63.8,68.8,B10.2
903961,596506,62,67,B10.3
904027,596507,65.5,70.5,B10.4
B5 NB ROW STA 657-658,5,2,0,0
904004,596380,67.5,67.5,B5.1
903959,596445,64,64,B5.2
903939,596483,63.3,63.3,B5.3
B7 NB Santa Fe off ramp,6,2,0,0
903936,596471,63.6,63.6,B7.1
903891,596554,64.3,64.3,B7.2
903871,596592,64.3,64.3,B7.3
903831,596683,63.6,63.6,B7.4
903811,596729,62.9,62.9,B7.5
903807,596756,60,60,B7.6
903795,596791,60.3,60.3,B7.7
903771,596893,60.7,60.7,B7.8
903818,596919,62,62,B7.9
B9 Country Inn,7,2,0,0
904347,595924,58,68.1,B9.1
904311,595942,56.5,66.6,B9.2
904295,595951,56.5,66.6,B9.3
904298,595963,57.6,67.7,B9.4
904350,595963,60.2,70.3,B9.5
B52 Center Divider ,8,2,0,0
904379,595400,42,43,B52.3
904362,595498,43.3,44.3,B52.4
904339,595597,44.6,45.6,B52.5
904316,595676,45.6,46.6,B52.6
904281,595767,47.5,48.5,B52.7
904244,595844,50,51,B52.8
904194,595933,53,54,B52.9
904145,596025,56,57,B52.10
B53 Center Divider,9,2,0,0
904145,596025,56,57,B53.1

904094,596113,58.5,59.5,B53.2
904059,596178,60.6,61.6,B53.3
904002,596281,62,63,B53.4
903942,596391,63.5,64.5,B53.5
903895,596476,64.2,65.2,B53.6
903845,596566,64.6,65.6,B53.7
903796,596656,64.4,65.4,B53.8
903756,596728,64,65,B53.9
903698,596831,63,64,B53.10
B54 Center Divider,10,2,0,0
903698,596831,63,64,B54.1
903647,596922,61.5,62.5,B54.2
903591,597022,59.5,60.5,B54.3
903544,597107,57.5,58.5,B54.4
903497,597195,55.5,56.5,B54.5
B8 NB SHLD STA 660-665,11,2,0,0
903808,596705,63.8,63.8,B8.1
903786,596746,63.5,63.5,B8.2
903729,596848,62.2,62.2,B8.3
903710,596884,62,62,B8.4
903677,596940,60.8,60.8,B8.5
903648,596994,59.5,59.5,B8.6
903622,597039,59.1,59.1,B8.7
903589,597100,57.3,57.3,B8.8
B6 NB Natural Berm STA 653-656,12,1,0,0
904187,596036,54,54,B6.1A
904177,596050,54,54,B6.1B
904167,596065,58,58,B6.1C
904153,596085,60,60,B6.1D
904138,596119,63.5,63.5,B6.2
904118,596159,66,66,B6.3
904096,596208,70,70,B6.4
904078,596245,72,72,B6.5
904071,596262,72,72,B6.6
904049,596302,71.4,71.4,B6.7
R,11,67,4
904342,595918,59.8,R9.10
R,12,67,4
904276,595984,60.6,R9.11
R,13,67,4
904228,596047,57.8,R9.12
R,14,67,4
904206,596076,56.7,R9.13
R,15,67,4
904156,596216,67.8,R9.14
R,16,67,4
904090,596295,71.6,R9.15
R,17,67,4
904112,596303,72.2,R9.15A
R,18,67,4
904084,596386,72.7,R9.16
R,19,67,4
903997,596400,68.5,R9.17
R,20,67,4
903954,596512,62.2,R9.18
R,21,67,4

903904,596552,61.2,R9.19
R,22,67,4
903858,596662,59.3,R9.20
R,23,67,4
903804,596791,61.7,R9.21
R,24,67,4
903780,596883,62.5,R9.22
D,4.5
ALL,ALL
K,-5
ALL,5,7,8
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
09 BIRMINGHAM TO SANTA FE,NOBUILDEAST

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	- 0.*								B23.1	252.7	
2	- 0.*								B23.2	174.5	
3	- 0.*								B23.3	113.9	
4	- 0.*								B23.4	36.7	
5	- 0.*								B23.5	81.2	
6	- 0.*								B23.6	36.3	
7	- 0.*								B23.7	311.8	
8	- 0.*								B23.8	160.9	
9	- 0.*								B4.1	140.0	
10	- 0.*								B4.2	158.3	
11	- 0.*								B4.3	197.0	
12	- 0.*								B4.4	236.2	
13	- 0.*								B4.5	157.7	
14	- 0.*								B4.6	285.3	
15	- 0.*								B4.7	98.4	
16	- 0.*								B4.7A	85.5	
17	- 0.*								B4.8B	74.9	
18	- 0.*								B4.8	224.0	
19	- 0.*								B4.9	147.5	
20	- 0.*								B4.9A	139.3	
21	- 16.*								B10.1	193.8	
22	- 16.*								B10.2	141.2	
23	- 16.*								B10.3	216.8	
24	- 0.*								B5.1	259.6	
25	- 0.*								B5.2	140.9	
26	- 0.*								B7.1	309.7	
27	- 0.*								B7.2	140.9	
28	- 0.*								B7.3	326.2	
29	- 0.*								B7.4	164.6	
30	- 0.*								B7.5	90.1	
31	- 0.*								B7.6	121.4	
32	- 0.*								B7.7	343.8	
33	- 0.*								B7.8	176.3	
34	- 33.*								B9.1	132.2	
35	- 33.*								B9.2	60.2	
36	- 33.*								B9.3	40.8	
37	- 33.*								B9.4	170.8	

38	-	3.*	B52.3	326.3
39	-	3.*	B52.4	333.5
40	-	3.*	B52.5	270.0
41	-	3.*	B52.6	319.9
42	-	3.*	B52.7	280.5
43	-	3.*	B52.8	335.1
44	-	3.*	B52.9	342.1
45	-	3.*	B53.1	333.8
46	-	3.*	B53.2	242.4
47	-	3.*	B53.3	386.2
48	-	3.*	B53.4	411.1
49	-	3.*	B53.5	318.7
50	-	3.*	B53.6	337.7
51	-	3.*	B53.7	336.2
52	-	3.*	B53.8	270.2
53	-	3.*	B53.9	387.9
54	-	3.*	B54.1	342.3
55	-	3.*	B54.2	376.1
56	-	3.*	B54.3	318.8
57	-	3.*	B54.4	327.4
58	-	0.*	B8.1	152.6
59	-	0.*	B8.2	383.3
60	-	0.*	B8.3	133.6
61	-	0.*	B8.4	213.3
62	-	0.*	B8.5	201.1
63	-	0.*	B8.6	170.6
64	-	0.*	B8.7	227.6
65	-	0.*	B6.1A	56.4
66	-	0.*	B6.1B	60.6
67	-	0.*	B6.1C	80.4
68	-	0.*	B6.1D	122.5
69	-	0.*	B6.2	146.9
70	-	0.*	B6.3	176.8
71	-	0.*	B6.4	135.1
72	-	0.*	B6.5	60.4
73	-	0.*	B6.6	149.8

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0 1 2 3 4 5 6 7

1

REC	REC ID	DNL	PEOPLE	LEQ(CAL)
1	R9.10	67.	500.	68.1
2	R9.11	67.	500.	71.3
3	R9.12	67.	500.	71.8
4	R9.13	67.	500.	70.7
5	R9.14	67.	500.	59.5
6	R9.15	67.	500.	66.5
7	R9.15A	67.	500.	60.6
8	R9.16	67.	500.	62.5
9	R9.17	67.	500.	76.1
10	R9.18	67.	500.	72.4

11 R9.19 67. 500. 71.4
12 R9.20 67. 500. 69.2
13 R9.21 67. 500. 73.0
14 R9.22 67. 500. 71.6
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.16.16.16. 0. 0.
0. 0. 0. 0. 0. 0. 0. 0.33.33.33.33. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.

09 Birmingham to Santa Fe EAST - Build,Bld,
T-L26 SB Birmingham on ramp STA 645-651,1,
976,45,14,45,10,45,
T-L25 NB Birmingham off ramp STA 646-651,2,
976,45,14,45,10,45,
T-L4 SB Outer General Lane STA 651-654,3,
3052,65,122,65,426,65,
T-L14SB Inner General Lane STA 651-654,4,
5217,65,183,65,0,65,
T-L54 SB HOV Lane STA 651-653,5,
3000,65,0,65,0,65,
T-L53 NB HOV Lane STA 651-653,6,
3000,65,0,65,0,65,
T-L13 NB Inner General Lane ,7,
5217,65,183,65,0,65,
T-L3 NB Outer General Lane ,8,
3052,65,122,65,426,65,
T-L27 NB Brimingham on ramp STA 651-656,9,
976,45,14,45,10,45,
T-L28 SB Brimingham off ramp STA 651-654,10,
976,45,14,45,10,45,
T-L29 NB Santa Fe off ramp STA 658-663,11,
950,45,24,45,26,45,
T-L6 SB Outer General Lane STA 654-663,12,
3052,65,122,65,426,65,
T-L30 SB Santa Fe on ramp STA 657-663,13,
950,45,24,45,26,45,
T-L16 SB Inner General Lane STA 654-663,14,
5217,65,183,65,0,65,
T-L56 SB HOV Lane STA 654-663,15,
3000,65,0,65,0,65,
T-L55 NB HOV Lane STA 654-663,16,
3000,65,0,65,0,65,
T-L15 NB Inner General Lane STA 654-663,17,
5217,65,183,65,0,65,
T-L5 NB Outer General Lane STA 654-663,18,
3052,65,122,65,426,65,
T-L32 SB Santa Fe off ramp STA 663-667,19,
950,45,24,45,26,45,
T-L31 NB Santa Fe on ramp STA 663-668,20,
950,45,24,45,26,45,
L26 SB Birmingham on ramp STA 645-651,1,
N,904385,595187,39.5,L26.1
N,904365,595279,40.4,L26.2
N,904350,595356,41,L26.3
N,904335,595434,41.9,L26.4
N,904320,595492,42.2,L26.5
N,904305,595549,43.5,L26.6
N,904283,595605,47.2,L26.7
N,904265,595640,50,L26.8
N,904228,595711,55.5,L26.9
N,904214,595749,57.8,L26.10
N,904200,595764,58.6,L26.11
L25 NB Birmingham off ramp STA 646-651,2,
N,904406,595402,41.8,L25.1
N,904400,595468,43,L25.2

N,904395,595525,44.4,L25.3
N,904387,595584,45.4,L25.4
N,904373,595664,48.2,L25.5
N,904361,595722,51.3,L25.6
N,904348,595781,54.8,L25.7
N,904347,595807,55.6,L25.8
L4 SB Outer General Lane STA 651-654,3,
N,904351,595396,41.8,L4.7
N,904336,595494,43,L4.8
N,904314,595589,44.3,L4.9
N,904290,595668,45.3,L4.10
N,904255,595759,47.2,L4.11
N,904217,595833,49.8,L4.12
N,904170,595921,47.3,L4.13
N,904119,596012,53,L4.14
N,904071,596099,56.3,L4.15
L14 SB Inner General Lane STA 651-654,4,
N,904361,595398,41.8,L14.7
N,904345,595495,43,L14.8
N,904322,595592,44.3,L14.9
N,904298,595671,45.3,L14.10
N,904263,595763,47.2,L14.11
N,904227,595838,49.8,L14.12
N,904178,595925,52.8,L14.13
N,904127,596016,55.8,L14.14
N,904079,596104,58.3,L14.15
L54 SB HOV Lane STA 651-653,5,
N,904371,595400,42,L54.7
N,904354,595497,43.3,L54.8
N,904332,595595,44.5,L54.9
N,904308,595674,45.5,L54.10
N,904272,595767,47.5,L54.11
N,904234,595841,50,L54.12
N,904187,595929,53,L54.13
N,904137,596020,56,L54.14
N,904087,596108,58.5,L54.15
L53 NB HOV Lane STA 651-653,6,
N,904387,595399,42,L53.7
N,904371,595499,43.4,L53.8
N,904349,595599,44.8,L53.9
N,904325,595678,45.8,L53.10
N,904290,595768,47.5,L53.11
N,904252,595844,50,L53.12
N,904201,595937,53,L53.13
N,904152,596028,56,L53.14
N,904103,596117,58.5,L53.15
L13 NB Inner General Lane,7,
N,904397,595401,41.8,L13.7
N,904381,595501,43.7,L13.8
N,904358,595602,45,L13.9
N,904334,595681,46,L13.10
N,904298,595771,47.7,L13.11
N,904262,595848,50.2,L13.12
N,904210,595943,52.8,L13.13
N,904160,596033,55.8,L13.14
N,904110,596123,58.3,L13.15

L3 NB Outer General Lane,8,
N,904406,595402,41.8,L3.7
N,904390,595503,43.7,L3.8
N,904366,595604,45,L3.9
N,904342,595685,46,L3.10
N,904308,595775,47.7,L3.11
N,904269,595852,50.2,L3.12
N,904217,595948,52.8,L3.13
N,904168,596038,55.8,L3.14
N,904118,596127,58.3,L3.15
L27 NB Birmingham on ramp STA 651-656,9,
N,904306,595834,56.9,L27.1
N,904296,595844,57,L27.2
N,904281,595881,56.6,L27.3
N,904251,595934,55.1,L27.4
N,904220,595985,54.4,L27.5
N,904187,596036,55.1,L27.6
N,904154,596085,56.7,L27.7
N,904121,596136,58.1,L27.8
N,904091,596187,59.4,L27.9
N,904072,596221,60,L27.10
N,904026,596295,61.8,L27.11
L28 SB Birmingham off ramp STA 651-654,10,
N,904181,595796,59.9,L28.1
N,904162,595867,57.2,L28.2
N,904144,595921,54.8,L28.3
N,904128,595957,53.6,L28.4
N,904112,595994,55.1,L28.5
N,904088,596049,56.7,L28.6
N,904067,596096,57.9,L28.7
N,904034,596165,59.8,L28.8
L29 NB Santa Fe off ramp STA 658-663,11,
N,903918,596490,60,L29.1
N,903897,596536,63.8,L29.2
N,903868,596591,64.3,L29.3
N,903851,596626,63.9,L29.4
N,903818,596698,63.4,L29.5
N,903795,596753,62.2,L29.6
N,903768,596807,60,L29.7
N,903742,596863,58.2,L29.8
N,903740,596882,58.1,L29.9
L6 SB Outer General Lane STA 654-663,12,
N,904071,596099,58.3,L6.1
N,904034,596165,59.8,L6.2
N,903978,596268,61.8,L6.3
N,903920,596374,63.3,L6.4
N,903871,596461,64,L6.5
N,903822,596552,64.4,L6.6
N,903772,596642,64.2,L6.7
N,903734,596712,63.8,L6.8
N,903676,596815,62.8,L6.9
N,903624,596906,61.3,L6.10
N,903569,597007,59.3,L6.11
N,903522,597091,57.3,L6.12
N,903473,597179,55.3,L6.13
N,903424,597270,53.3,L6.14

N,903378,597352,51.3,L6.15
L30 SB Santa Fe on ramp STA 657-663,13,
N,903920,596374,63.3,L30.1
N,903876,596445,63.8,L30.2
N,903841,596506,63.9,L30.3
N,903801,596575,63.4,L30.4
N,903770,596626,63.8,L30.5
N,903748,596659,63.5,L30.6
N,903726,596693,62.8,L30.7
N,903703,596726,61.3,L30.8
N,903670,596776,58.3,L30.9
N,903635,596824,55.5,L30.10
N,903610,596855,54.2,L30.11
N,903569,596899,53.5,L30.12
L16 SB Inner General Lane STA 654-663,14,
N,904079,596104,58.3,L16.1
N,904042,596168,59.8,L16.2
N,903986,596272,61.8,L16.3
N,903927,596379,63.3,L16.4
N,903880,596466,64,L16.5
N,903830,596556,64.4,L16.6
N,903779,596646,64.2,L16.7
N,903742,596716,63.8,L16.8
N,903684,596820,62.8,L16.9
N,903632,596911,61.3,L16.10
N,903576,597012,59.3,L16.11
N,903531,597096,57.3,L16.12
N,903481,597185,55.3,L16.13
N,903431,597273,53.3,L16.14
N,903386,597358,51.3,L16.15
L56 SB HOV Lane STA 654-663,15,
N,904087,596108,58.5,L56.1
N,904052,596173,60,L56.2
N,903996,596276,62,L56.3
N,903936,596384,63.5,L56.4
N,903888,596471,64.2,L56.5
N,903838,596560,64.6,L56.6
N,903789,596651,64.4,L56.7
N,903749,596721,64,L56.8
N,903693,596825,63,L56.9
N,903641,596917,61.5,L56.10
N,903584,597017,59.5,L56.11
N,903538,597101,57.5,L56.12
N,903489,597191,55.5,L56.13
N,903440,597278,53.5,L56.14
N,903394,597363,51.5,L56.15
L55 NB HOV Lane STA 654-663,16,
N,904103,596117,58.5,L55.1
N,904067,596182,60,L55.2
N,904009,596284,62,L55.3
N,903949,596395,63.5,L55.4
N,903903,596478,64.2,L55.5
N,903852,596570,64.6,L55.6
N,903803,596659,64.4,L55.7
N,903764,596731,64,L55.8
N,903707,596835,63,L55.9

N,903655,596925,61.5,L55.10
N,903599,597024,59.5,L55.11
N,903553,597110,57.5,L55.12
N,903504,597198,55.5,L55.13
N,903456,597285,53.5,L55.14
N,903407,597372,51.5,L55.15
L15 NB Inner General Lane STA 654-663,17,
N,904110,596123,58.3,L15.1
N,904075,596187,59.8,L15.2
N,904018,596290,61.8,L15.3
N,903958,596400,63.3,L15.4
N,903910,596484,64,L15.5
N,903860,596575,64.4,L15.6
N,903811,596664,64.2,L15.7
N,903773,596736,63.7,L15.8
N,903715,596839,62.8,L15.9
N,903664,596931,61.3,L15.10
N,903609,597030,59.3,L15.11
N,903563,597113,57.3,L15.12
N,903513,597203,55.3,L15.13
N,903465,597290,53.3,L15.14
N,903417,597376,51.3,L15.15
L5 NB Outer General Lane STA 654-663,18,
N,904118,596127,58.3,L5.1
N,904082,596193,59.8,L5.2
N,904026,596295,61.8,L5.3
N,903965,596405,63.3,L5.4
N,903918,596490,64,L5.5
N,903868,596580,64.4,L5.6
N,903819,596670,64.2,L5.7
N,903780,596741,63.7,L5.8
N,903723,596844,62.8,L5.9
N,903671,596936,61.3,L5.10
N,903616,597034,59.3,L5.11
N,903570,597118,57.3,L5.12
N,903520,597208,55.3,L5.13
N,903473,597294,53.3,L5.14
N,903425,597381,51.3,L5.15
L32 SB Santa Fe off ramp STA 663-667,19,
N,903579,596933,53.5,L32.1
N,903578,596956,53.6,L32.2
N,903548,597007,54.3,L32.3
N,903519,597060,55.1,L32.4
N,903493,597114,55.5,L32.5
N,903460,597187,54.6,L32.6
N,903436,597238,53.8,L32.7
N,903406,597291,52.6,L32.8
N,903376,597351,51.3,L32.9
L31 NB Santa Fe on ramp STA 663-668,20
N,903694,596928,55.4,L31.1,
N,903677,596964,55.3,L31.2,
N,903648,597017,56.7,L31.3,
N,903609,597088,57.2,L31.4,
N,903578,597138,56.1,L31.5,
N,903544,597188,55.4,L31.6,
N,903513,597239,54.3,L31.7,

N,903482,597291,53.1,L31.8,
N,903451,597341,52,L31.9,
N,903412,597410,51,L31.10,
N,903379,597466,49.2,L31.11,
B23 NB Birmingham off/on ramps ,1,2,0,0,
904351,595693,50,50,B23.1,
904339,595769,54,54,B23.2,
904328,595821,56.3,56.3,B23.3,
904294,595814,56.3,56.3,B23.4
904289,595824,56.3,56.3,B23.5
904290,595849,57,57,B23.5b
904244,595930,55.1,55.1,B23.5c
B4 NB ROW STA 651-657,2,2,0,0
904287,595884,56.6,56.6,B104.1
904259,595936,55.1,55.1,B104.2
904227,595989,54.4,54.4,B104.3
904204,596022,54.8,54.8,B104.4
904198,596034,55,55,B104.5A
904183,596058,55.7,55.7,B4.5
904160,596100,58,58,B4.6
904122,596178,64,64,B4.7
904109,596205,66,66,B4.7A
904099,596229,67.5,67.5,B4.8B
B4 NB ROW STA 651-657,3,2,0,0
904099,596229,67.5,67.5,B4.8B
904088,596249,68.5,68.5,B4.8
904052,596307,70.3,70.3,B4.9
904028,596345,69.5,69.5,B4.9A
904004,596380,67.5,67.5,B4.10
B10 Nursery,4,2,0,0
904020,596464,66.5,71.5,B10.1
903961,596463,63.8,68.8,B10.2
903961,596506,62,67,B10.3
904027,596507,65.5,70.5,B10.4
B5 NB ROW STA 657-658,5,2,0,0
904004,596380,67.5,67.5,B5.1
903959,596445,64,64,B5.2
903939,596483,63.3,63.3,B5.3
B7 NB Santa Fe off ramp,6,2,0,0
903936,596471,63.6,64.5,B7.1
903891,596554,64.3,65.2,B7.2,
903871,596592,64.3,65.2,B7.3,
903831,596683,63.6,64.5,B7.4,
903831,596683,63.6,63.6,B7.4,
903811,596729,62.9,62.9,B7.5,
903807,596756,60,60,B7.6,
903795,596791,60.3,60.3,B7.7,
903783,596842,61,61.0,B7.7A,
B7 NB Santa Fe off ramp,7,2,0,0,
903783,596842,61,61.0,B7.7A,
903771,596893,60.7,60.7,B7.8,
903818,596919,62,62,B7.9,
B9 Country Inn,8,2,0,0,
904347,595924,58,68.1,B9.1,
904311,595942,56.5,66.6,B9.2,
904295,595951,56.5,66.6,B9.3,

904298,595963,57.6,67.7,B9.4,
904350,595963,60.2,70.3,B9.5,
B52 Center Divider ,9,2,0,0,
904379,595400,42,43,B52.3,
904362,595498,43.3,44.3,B52.4,
904339,595597,44.6,45.6,B52.5,
904316,595676,45.6,46.6,B52.6,
904281,595767,47.5,48.5,B52.7,
904244,595844,50,51,B52.8,
904194,595933,53,54,B52.9,
904145,596025,56,57,B52.10,
B53 Center Divider,10,2,0,0,
904145,596025,56,57,B53.1,
904094,596113,58.5,59.5,B53.2,
904059,596178,60.6,61.6,B53.3,
904002,596281,62,63,B53.4,
903942,596391,63.5,64.5,B53.5,
903895,596476,64.2,65.2,B53.6,
903845,596566,64.6,65.6,B53.7,
903796,596656,64.4,65.4,B53.8,
903756,596728,64,65,B53.9,
903698,596831,63,64,B53.10,
B54 Center Divider,11,2,0,0,
903698,596831,63,64,B54.1,
903647,596922,61.5,62.5,B54.2,
903591,597022,59.5,60.5,B54.3,
903544,597107,57.5,58.5,B54.4,
903497,597195,55.5,56.5,B54.5,
B8 NB SHLD STA 660-665,12,2,0,0,
903808,596705,63.8,63.8,B8.1,
903786,596746,63.5,63.5,B8.2,
903729,596848,62.2,62.2,B8.3,
903710,596884,62,62,B8.4,
903677,596940,60.8,60.8,B8.5,
903648,596994,59.5,59.5,B8.6,
903622,597039,59.1,59.1,B8.7,
903589,597100,57.3,57.3,B8.8,
B8 NB SHLD STA 660-665,13,2,0,0,
904299,595972,59,59,PL1.1,
904279,595979,59,59,PL1.2,
904257,596008,59,59,PL1.3,
904247,596026,59,59,PL1.4,
904240,596027,56.2,56.2,PL1.5,
904225,596049,56.2,56.2,PL1.6,
904233,596053,56.2,56.2,PL1.7,
R,11,67,4
904342,595918,59.8,R9.10
R,12,67,4
904276,595984,60.6,R9.11
R,13,67,4
904228,596047,57.8,R9.12
R,14,67,4
904206,596076,56.7,R9.13
R,15,67,4
904156,596216,67.8,R9.14
R,16,67,4

904090,596295,71.6,R9.15
R,17,67,4
904112,596303,72.2,R9.15A
R,18,67,4
904084,596386,72.7,R9.16
R,19,67,4
903997,596400,68.5,R9.17
R,20,67,4
903954,596512,62.3,R9.18
R,21,67,4
903904,596552,61.2,R9.19
R,22,67,4
903858,596662,59.3,R9.20
R,23,67,4
903804,596791,61.7,R9.21
R,24,67,4
903780,596883,62.5,R9.22
D,4.5
ALL,ALL
K,-5
ALL,5,7,8
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
09 BIRMINGHAM TO SANTA FE EAST - BUILD,BLD,

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	- 0.*								B23.1	252.7	
2	- 0.*								B23.2	174.5	
3	- 0.*								B23.3	113.9	
4	- 0.*								B23.4	36.7	
5	- 0.*								B23.5	82.2	
6	- 0.*								B23.5B	305.6	
7	- 0.*								B104.1	193.8	
8	- 0.*								B104.2	203.2	
9	- 0.*								B104.3	132.0	
10	- 0.*								B104.4	44.0	
11	- 0.*								B104.5A	92.9	
12	- 0.*								B4.5	157.3	
13	- 0.*								B4.6	285.3	
14	- 0.*								B4.7	98.4	
15	- 0.*								B4.7A	85.5	
16	- 0.*								B4.8B	74.9	
17	- 0.*								B4.8	224.0	
18	- 0.*								B4.9	147.5	
19	- 0.*								B4.9A	139.3	
20	- 16.*								B10.1	193.8	
21	- 16.*								B10.2	141.2	
22	- 16.*								B10.3	216.8	
23	- 0.*								B5.1	259.6	
24	- 0.*								B5.2	140.9	
25	- 3.*								B7.1	309.7	
26	- 3.*								B7.2	140.9	
27	- 3.*								B7.3	326.2	
28	- 1.*								B7.4	2.9	
29	- 0.*								B7.4	164.6	
30	- 0.*								B7.5	90.1	
31	- 0.*								B7.6	121.4	
32	- 0.*								B7.7	171.9	
33	- 0.*								B7.7A	172.0	
34	- 0.*								B7.8	176.3	
35	- 33.*								B9.1	132.2	
36	- 33.*								B9.2	60.2	

37	-	33.*	B9.3	40.8
38	-	33.*	B9.4	170.8
39	-	3.*	B52.3	326.3
40	-	3.*	B52.4	333.5
41	-	3.*	B52.5	270.0
42	-	3.*	B52.6	319.9
43	-	3.*	B52.7	280.5
44	-	3.*	B52.8	335.1
45	-	3.*	B52.9	342.1
46	-	3.*	B53.1	333.8
47	-	3.*	B53.2	242.4
48	-	3.*	B53.3	386.2
49	-	3.*	B53.4	411.1
50	-	3.*	B53.5	318.7
51	-	3.*	B53.6	337.7
52	-	3.*	B53.7	336.2
53	-	3.*	B53.8	270.2
54	-	3.*	B53.9	387.9
55	-	3.*	B54.1	342.3
56	-	3.*	B54.2	376.1
57	-	3.*	B54.3	318.8
58	-	3.*	B54.4	327.4
59	-	0.*	B8.1	152.6
60	-	0.*	B8.2	383.3
61	-	0.*	B8.3	133.6
62	-	0.*	B8.4	213.3
63	-	0.*	B8.5	201.1
64	-	0.*	B8.6	170.6
65	-	0.*	B8.7	227.6
66	-	0.*	PL1.1	69.5
67	-	0.*	PL1.2	119.4
68	-	0.*	PL1.3	67.6
69	-	0.*	PL1.4	24.9
70	-	0.*	PL1.5	87.3
71	-	0.*	PL1.6	29.3

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0 1 2 3 4 5 6 7

1

REC	REC ID	DNL	PEOPLE	LEQ(CAL)
1	R9.10	67.	500.	69.4
2	R9.11	67.	500.	73.7
3	R9.12	67.	500.	74.9
4	R9.13	67.	500.	74.9
5	R9.14	67.	500.	67.0
6	R9.15	67.	500.	72.9
7	R9.15A	67.	500.	66.0
8	R9.16	67.	500.	65.2
9	R9.17	67.	500.	79.0
10	R9.18	67.	500.	74.5
11	R9.19	67.	500.	73.5

12 R9.20 67. 500. 71.0
13 R9.21 67. 500. 75.7
14 R9.22 67. 500. 73.8
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.16.16.16. 0. 0. 3.
3. 3. 1. 0. 0. 0. 0. 0. 0.33.33.33.33. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.

09 Birmingham to Santa Fe EAST - DGN,Bld,DGN
T-L26 SB Birmingham on ramp STA 645-651,1,
976,45,14,45,10,45,
T-L25 NB Birmingham off ramp STA 646-651,2,
976,45,14,45,10,45,
T-L4 SB Outer General Lane STA 651-654,3,
3052,65,122,65,426,65,
T-L14SB Inner General Lane STA 651-654,4,
5217,65,183,65,0,65,
T-L54 SB HOV Lane STA 651-653,5,
3000,65,0,65,0,65,
T-L53 NB HOV Lane STA 651-653,6,
3000,65,0,65,0,65,
T-L13 NB Inner General Lane ,7,
5217,65,183,65,0,65,
T-L3 NB Outer General Lane ,8,
3052,65,122,65,426,65,
T-L27 NB Brimingham on ramp STA 651-656,9,
976,45,14,45,10,45,
T-L28 SB Brimingham off ramp STA 651-654,10,
976,45,14,45,10,45,
T-L29 NB Santa Fe off ramp STA 658-663,11,
950,45,24,45,26,45,
T-L6 SB Outer General Lane STA 654-663,12,
3052,65,122,65,426,65,
T-L30 SB Santa Fe on ramp STA 657-663,13,
950,45,24,45,26,45,
T-L16 SB Inner General Lane STA 654-663,14,
5217,65,183,65,0,65,
T-L56 SB HOV Lane STA 654-663,15,
3000,65,0,65,0,65,
T-L55 NB HOV Lane STA 654-663,16,
3000,65,0,65,0,65,
T-L15 NB Inner General Lane STA 654-663,17,
5217,65,183,65,0,65,
T-L5 NB Outer General Lane STA 654-663,18,
3052,65,122,65,426,65,
T-L32 SB Santa Fe off ramp STA 663-667,19,
950,45,24,45,26,45,
T-L31 NB Santa Fe on ramp STA 663-668,20,
950,45,24,45,26,45,
L26 SB Birmingham on ramp STA 645-651,1,
N,904385,595187,39.5,L26.1
N,904365,595279,40.4,L26.2
N,904350,595356,41,L26.3
N,904335,595434,41.9,L26.4
N,904320,595492,42.2,L26.5
N,904305,595549,43.5,L26.6
N,904283,595605,47.2,L26.7
N,904265,595640,50,L26.8
N,904228,595711,55.5,L26.9
N,904214,595749,57.8,L26.10
N,904200,595764,58.6,L26.11
L25 NB Birmingham off ramp STA 646-651,2,
N,904406,595402,41.8,L25.1
N,904400,595468,43,L25.2

N,904395,595525,44.4,L25.3
N,904387,595584,45.4,L25.4
N,904373,595664,48.2,L25.5
N,904361,595722,51.3,L25.6
N,904348,595781,54.8,L25.7
N,904347,595807,55.6,L25.8
L4 SB Outer General Lane STA 651-654,3,
N,904351,595396,41.8,L4.7
N,904336,595494,43,L4.8
N,904314,595589,44.3,L4.9
N,904290,595668,45.3,L4.10
N,904255,595759,47.2,L4.11
N,904217,595833,49.8,L4.12
N,904170,595921,47.3,L4.13
N,904119,596012,53,L4.14
N,904071,596099,56.3,L4.15
L14 SB Inner General Lane STA 651-654,4,
N,904361,595398,41.8,L14.7
N,904345,595495,43,L14.8
N,904322,595592,44.3,L14.9
N,904298,595671,45.3,L14.10
N,904263,595763,47.2,L14.11
N,904227,595838,49.8,L14.12
N,904178,595925,52.8,L14.13
N,904127,596016,55.8,L14.14
N,904079,596104,58.3,L14.15
L54 SB HOV Lane STA 651-653,5,
N,904371,595400,42,L54.7
N,904354,595497,43.3,L54.8
N,904332,595595,44.5,L54.9
N,904308,595674,45.5,L54.10
N,904272,595767,47.5,L54.11
N,904234,595841,50,L54.12
N,904187,595929,53,L54.13
N,904137,596020,56,L54.14
N,904087,596108,58.5,L54.15
L53 NB HOV Lane STA 651-653,6,
N,904387,595399,42,L53.7
N,904371,595499,43.4,L53.8
N,904349,595599,44.8,L53.9
N,904325,595678,45.8,L53.10
N,904290,595768,47.5,L53.11
N,904252,595844,50,L53.12
N,904201,595937,53,L53.13
N,904152,596028,56,L53.14
N,904103,596117,58.5,L53.15
L13 NB Inner General Lane,7,
N,904397,595401,41.8,L13.7
N,904381,595501,43.7,L13.8
N,904358,595602,45,L13.9
N,904334,595681,46,L13.10
N,904298,595771,47.7,L13.11
N,904262,595848,50.2,L13.12
N,904210,595943,52.8,L13.13
N,904160,596033,55.8,L13.14
N,904110,596123,58.3,L13.15

L3 NB Outer General Lane,8,
N,904406,595402,41.8,L3.7
N,904390,595503,43.7,L3.8
N,904366,595604,45,L3.9
N,904342,595685,46,L3.10
N,904308,595775,47.7,L3.11
N,904269,595852,50.2,L3.12
N,904217,595948,52.8,L3.13
N,904168,596038,55.8,L3.14
N,904118,596127,58.3,L3.15
L27 NB Birmingham on ramp STA 651-656,9,
N,904306,595834,56.9,L27.1
N,904296,595844,57,L27.2
N,904281,595881,56.6,L27.3
N,904251,595934,55.1,L27.4
N,904220,595985,54.4,L27.5
N,904187,596036,55.1,L27.6
N,904154,596085,56.7,L27.7
N,904121,596136,58.1,L27.8
N,904091,596187,59.4,L27.9
N,904072,596221,60,L27.10
N,904026,596295,61.8,L27.11
L28 SB Birmingham off ramp STA 651-654,10,
N,904181,595796,59.9,L28.1
N,904162,595867,57.2,L28.2
N,904144,595921,54.8,L28.3
N,904128,595957,53.6,L28.4
N,904112,595994,55.1,L28.5
N,904088,596049,56.7,L28.6
N,904067,596096,57.9,L28.7
N,904034,596165,59.8,L28.8
L29 NB Santa Fe off ramp STA 658-663,11,
N,903918,596490,60,L29.1
N,903897,596536,63.8,L29.2
N,903868,596591,64.3,L29.3
N,903851,596626,63.9,L29.4
N,903818,596698,63.4,L29.5
N,903795,596753,62.2,L29.6
N,903768,596807,60,L29.7
N,903742,596863,58.2,L29.8
N,903740,596882,58.1,L29.9
L6 SB Outer General Lane STA 654-663,12,
N,904071,596099,58.3,L6.1
N,904034,596165,59.8,L6.2
N,903978,596268,61.8,L6.3
N,903920,596374,63.3,L6.4
N,903871,596461,64,L6.5
N,903822,596552,64.4,L6.6
N,903772,596642,64.2,L6.7
N,903734,596712,63.8,L6.8
N,903676,596815,62.8,L6.9
N,903624,596906,61.3,L6.10
N,903569,597007,59.3,L6.11
N,903522,597091,57.3,L6.12
N,903473,597179,55.3,L6.13
N,903424,597270,53.3,L6.14

N,903378,597352,51.3,L6.15
L30 SB Santa Fe on ramp STA 657-663,13,
N,903920,596374,63.3,L30.1
N,903876,596445,63.8,L30.2
N,903841,596506,63.9,L30.3
N,903801,596575,63.4,L30.4
N,903770,596626,63.8,L30.5
N,903748,596659,63.5,L30.6
N,903726,596693,62.8,L30.7
N,903703,596726,61.3,L30.8
N,903670,596776,58.3,L30.9
N,903635,596824,55.5,L30.10
N,903610,596855,54.2,L30.11
N,903569,596899,53.5,L30.12
L16 SB Inner General Lane STA 654-663,14,
N,904079,596104,58.3,L16.1
N,904042,596168,59.8,L16.2
N,903986,596272,61.8,L16.3
N,903927,596379,63.3,L16.4
N,903880,596466,64,L16.5
N,903830,596556,64.4,L16.6
N,903779,596646,64.2,L16.7
N,903742,596716,63.8,L16.8
N,903684,596820,62.8,L16.9
N,903632,596911,61.3,L16.10
N,903576,597012,59.3,L16.11
N,903531,597096,57.3,L16.12
N,903481,597185,55.3,L16.13
N,903431,597273,53.3,L16.14
N,903386,597358,51.3,L16.15
L56 SB HOV Lane STA 654-663,15,
N,904087,596108,58.5,L56.1
N,904052,596173,60,L56.2
N,903996,596276,62,L56.3
N,903936,596384,63.5,L56.4
N,903888,596471,64.2,L56.5
N,903838,596560,64.6,L56.6
N,903789,596651,64.4,L56.7
N,903749,596721,64,L56.8
N,903693,596825,63,L56.9
N,903641,596917,61.5,L56.10
N,903584,597017,59.5,L56.11
N,903538,597101,57.5,L56.12
N,903489,597191,55.5,L56.13
N,903440,597278,53.5,L56.14
N,903394,597363,51.5,L56.15
L55 NB HOV Lane STA 654-663,16,
N,904103,596117,58.5,L55.1
N,904067,596182,60,L55.2
N,904009,596284,62,L55.3
N,903949,596395,63.5,L55.4
N,903903,596478,64.2,L55.5
N,903852,596570,64.6,L55.6
N,903803,596659,64.4,L55.7
N,903764,596731,64,L55.8
N,903707,596835,63,L55.9

N,903655,596925,61.5,L55.10
N,903599,597024,59.5,L55.11
N,903553,597110,57.5,L55.12
N,903504,597198,55.5,L55.13
N,903456,597285,53.5,L55.14
N,903407,597372,51.5,L55.15
L15 NB Inner General Lane STA 654-663,17,
N,904110,596123,58.3,L15.1
N,904075,596187,59.8,L15.2
N,904018,596290,61.8,L15.3
N,903958,596400,63.3,L15.4
N,903910,596484,64,L15.5
N,903860,596575,64.4,L15.6
N,903811,596664,64.2,L15.7
N,903773,596736,63.7,L15.8
N,903715,596839,62.8,L15.9
N,903664,596931,61.3,L15.10
N,903609,597030,59.3,L15.11
N,903563,597113,57.3,L15.12
N,903513,597203,55.3,L15.13
N,903465,597290,53.3,L15.14
N,903417,597376,51.3,L15.15
L5 NB Outer General Lane STA 654-663,18,
N,904118,596127,58.3,L5.1
N,904082,596193,59.8,L5.2
N,904026,596295,61.8,L5.3
N,903965,596405,63.3,L5.4
N,903918,596490,64,L5.5
N,903868,596580,64.4,L5.6
N,903819,596670,64.2,L5.7
N,903780,596741,63.7,L5.8
N,903723,596844,62.8,L5.9
N,903671,596936,61.3,L5.10
N,903616,597034,59.3,L5.11
N,903570,597118,57.3,L5.12
N,903520,597208,55.3,L5.13
N,903473,597294,53.3,L5.14
N,903425,597381,51.3,L5.15
L32 SB Santa Fe off ramp STA 663-667,19,
N,903579,596933,53.5,L32.1
N,903578,596956,53.6,L32.2
N,903548,597007,54.3,L32.3
N,903519,597060,55.1,L32.4
N,903493,597114,55.5,L32.5
N,903460,597187,54.6,L32.6
N,903436,597238,53.8,L32.7
N,903406,597291,52.6,L32.8
N,903376,597351,51.3,L32.9
L31 NB Santa Fe on ramp STA 663-668,20
N,903694,596928,55.4,L31.1,
N,903677,596964,55.3,L31.2,
N,903648,597017,56.7,L31.3,
N,903609,597088,57.2,L31.4,
N,903578,597138,56.1,L31.5,
N,903544,597188,55.4,L31.6,
N,903513,597239,54.3,L31.7,

N,903482,597291,53.1,L31.8,
N,903451,597341,52,L31.9,
N,903412,597410,51,L31.10,
N,903379,597466,49.2,L31.11,
B23 NB Birmingham off/on ramps ,1,2,0,0,
904351,595693,50,50,B23.1,
904339,595769,54,54,B23.2,
904328,595821,56.3,56.3,B23.3,
904294,595814,56.3,56.3,B23.4,
904289,595824,56.3,56.3,B23.5,
904290,595849,57,57,B23.5B,
904244,595930,55.1,55.1,B23.5C,
B4 NB ROW STA 651-657,2,2,0,0,
904287,595884,56.6,56.6,B104.1,
904259,595936,55.1,55.1,B104.2,
904227,595989,54.4,54.4,B104.3,
904204,596022,54.8,54.8,B104.4,
904204,596022,54.8,58.5,B104.4,
904198,596034,55,58.7,B104.5A,
904183,596058,55.7,59.4,B4.5,
904171.5,596079,56.2,59.9,B4.5A,
904160,596100,58,61.7,B4.6,
904160,596100,58,62.3,B4.6,
904122,596178,64,68.3,B4.7,
B4 NB ROW STA 651-657,3,2,0,0
904122,596178,64,68.3,B4.7
904109,596205,66,70.3,B4.7A
904109,596205,66,70.9,B4.7A
904099,596229,67.5,72.4,B4.7B
904088,596249,68.5,73.4,B4.8
904052,596307,70.3,75.2,B4.9
904052,596307,70.3,70.3,B4.9
904028,596345,69.5,69.5,B4.9A
904028,596345,69.5,71.9,B4.9A
904004,596380,67.5,69.9,B4.10
B10 Nursery,4,2,0,0
904020,596464,66.5,71.5,B10.1
903961,596463,63.8,68.8,B10.2
903961,596506,62,67,B10.3
904027,596507,65.5,70.5,B10.4
B5 NB ROW STA 657-658,5,2,0,0,
904004,596380,67.5,69.9,B5.1,
903959,596445,64,66.4,B5.2,
903936,596471,63.6,66.0,B7.1,
B7 NB Santa Fe off ramp,6,2,0,0,
903936,596471,63.6,66.6,B7.1,
903891,596554,64.3,67.3,B7.2,
903871,596592,64.3,67.3,B7.3,
903831,596683,63.6,66.6,B7.4,
903811,596729,62.9,65.9,B7.5,
903811,596729,62.9,66.6,B7.5,
903807,596756,60,63.7,B7.6,
903795,596791,60.3,64.0,B7.7,
903783,596842,61,64.7,B7.7A,
B7 NB Santa Fe off ramp,7,2,0,0,
903783,596842,61,64.7,B7.7A,

903771,596893,60.7,64.4,B7.8,
903771,596893,60.7,63.1,B7.8,
903818,596919,62,64.4,B7.9,
B9 Country Inn,8,2,0,0,
904347,595924,58,68.1,B9.1,
904311,595942,56.5,66.6,B9.2,
904295,595951,56.5,66.6,B9.3,
904298,595963,57.6,67.7,B9.4,
904350,595963,60.2,70.3,B9.5,
B52 Center Divider ,9,2,0,0,
904379,595400,42,43,B52.3,
904362,595498,43.3,44.3,B52.4,
904339,595597,44.6,45.6,B52.5,
904316,595676,45.6,46.6,B52.6,
904281,595767,47.5,48.5,B52.7,
904244,595844,50,51,B52.8,
904194,595933,53,54,B52.9,
904145,596025,56,57,B52.10,
B53 Center Divider,10,2,0,0,
904145,596025,56,57,B53.1,
904094,596113,58.5,59.5,B53.2,
904059,596178,60.6,61.6,B53.3,
904002,596281,62,63,B53.4,
903942,596391,63.5,64.5,B53.5,
903895,596476,64.2,65.2,B53.6,
903845,596566,64.6,65.6,B53.7,
903796,596656,64.4,65.4,B53.8,
903756,596728,64,65,B53.9,
903698,596831,63,64,B53.10,
B54 Center Divider,11,2,0,0,
903698,596831,63,64,B54.1,
903647,596922,61.5,62.5,B54.2,
903591,597022,59.5,60.5,B54.3,
903544,597107,57.5,58.5,B54.4,
903497,597195,55.5,56.5,B54.5,
B8 NB SHLD STA 660-665,12,2,0,0,
903808,596705,63.8,63.8,B8.1,
903786,596746,63.5,63.5,B8.2,
903729,596848,62.2,62.2,B8.3,
903710,596884,62,62,B8.4,
903677,596940,60.8,60.8,B8.5,
903648,596994,59.5,59.5,B8.6,
903622,597039,59.1,59.1,B8.7,
903589,597100,57.3,57.3,B8.8,
B8 NB SHLD STA 660-665,13,2,0,0,
904299,595972,59,61.4,PL1.1,
904279,595979,59,61.4,PL1.2,
904257,596008,59,61.4,PL1.3,
904247,596026,59,61.4,PL1.4,
904240,596027,56.2,58.6,PL1.5,
904225,596049,56.2,58.6,PL1.6,
904233,596053,56.2,58.6,PL1.7,
R,11,67,4
904342,595918,59.8,R9.10
R,12,67,4
904276,595984,60.6,R9.11

R,13,67,4
904228,596047,57.8,R9.12
R,14,67,4
904206,596076,56.7,R9.13
R,15,67,4
904156,596216,67.8,R9.14
R,16,67,4
904090,596295,71.6,R9.15
R,17,67,4
904112,596303,72.2,R9.15A
R,18,67,4
904084,596386,72.7,R9.16
R,19,67,4
903997,596400,68.5,R9.17
R,20,67,4
903954,596512,62.3,R9.18
R,21,67,4
903904,596552,61.2,R9.19
R,22,67,4
903858,596662,59.3,R9.20
R,23,67,4
903804,596791,61.7,R9.21
R,24,67,4
903780,596883,62.5,R9.22
D,4.5
ALL,ALL
K,-5
ALL,5,7,8
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
09 BIRMINGHAM TO SANTA FE EAST - DGN,BLD,DGN

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	-	0.*							B23.1	252.7	
2	-	0.*							B23.2	174.5	
3	-	0.*							B23.3	113.9	
4	-	0.*							B23.4	36.7	
5	-	0.*							B23.5	82.2	
6	-	0.*							B23.5B	305.6	
7	-	0.*							B104.1	193.8	
8	-	0.*							B104.2	203.2	
9	-	0.*							B104.3	132.0	
10	-	6.*							B104.4	12.1	
11	-	12.*							B104.4	44.0	
12	-	12.*							B104.5A	92.9	
13	-	12.*							B4.5	78.6	
14	-	12.*							B4.5A	78.8	
15	-	13.*							B4.6	2.0	
16	-	14.*							B4.6	285.3	
17	-	14.*							B4.7	98.4	
18	-	15.*							B4.7A	2.0	
19	-	16.*							B4.7A	85.5	
20	-	16.*							B4.7B	74.9	
21	-	16.*							B4.8	224.0	
22	-	8.*							B4.9	16.1	
23	-	0.*							B4.9	147.5	
24	-	4.*							B4.9A	7.9	
25	-	8.*							B4.9A	139.3	
26	-	16.*							B10.1	193.8	
27	-	16.*							B10.2	141.2	
28	-	16.*							B10.3	216.8	
29	-	8.*							B5.1	259.6	
30	-	8.*							B5.2	113.9	
31	-	10.*							B7.1	309.7	
32	-	10.*							B7.2	140.9	
33	-	10.*							B7.3	326.2	
34	-	10.*							B7.4	164.6	
35	-	11.*							B7.5	2.3	
36	-	12.*							B7.5	90.1	
37	-	12.*							B7.6	121.4	
38	-	12.*							B7.7	171.9	

39	-	12.*	B7.7A	172.0
40	-	10.*	B7.8	4.3
41	-	8.*	B7.8	176.3
42	-	33.*	B9.1	132.2
43	-	33.*	B9.2	60.2
44	-	33.*	B9.3	40.8
45	-	33.*	B9.4	170.8
46	-	3.*	B52.3	326.3
47	-	3.*	B52.4	333.5
48	-	3.*	B52.5	270.0
49	-	3.*	B52.6	319.9
50	-	3.*	B52.7	280.5
51	-	3.*	B52.8	335.1
52	-	3.*	B52.9	342.1
53	-	3.*	B53.1	333.8
54	-	3.*	B53.2	242.4
55	-	3.*	B53.3	386.2
56	-	3.*	B53.4	411.1
57	-	3.*	B53.5	318.7
58	-	3.*	B53.6	337.7
59	-	3.*	B53.7	336.2
60	-	3.*	B53.8	270.2
61	-	3.*	B53.9	387.9
62	-	3.*	B54.1	342.3
63	-	3.*	B54.2	376.1
64	-	3.*	B54.3	318.8
65	-	3.*	B54.4	327.4
66	-	0.*	B8.1	152.6
67	-	0.*	B8.2	383.3
68	-	0.*	B8.3	133.6
69	-	0.*	B8.4	213.3
70	-	0.*	B8.5	201.1
71	-	0.*	B8.6	170.6
72	-	0.*	B8.7	227.6
73	-	8.*	PL1.1	69.5
74	-	8.*	PL1.2	119.4
75	-	8.*	PL1.3	67.6
76	-	8.*	PL1.4	24.9
77	-	8.*	PL1.5	87.3
78	-	8.*	PL1.6	29.3

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0 1 2 3 4 5 6 7

1

REC	REC ID	DNL	PEOPLE	LEQ(CAL)
1	R9.10	67.	500.	69.4
2	R9.11	67.	500.	66.9
3	R9.12	67.	500.	69.0
4	R9.13	67.	500.	70.0

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 5  R9.14     67.    500.   62.4
 6  R9.15     67.    500.   68.1
 7  R9.15A    67.    500.   62.5
 8  R9.16     67.    500.   63.4
 9  R9.17     67.    500.   74.0
10  R9.18     67.    500.   69.7
11  R9.19     67.    500.   67.8
12  R9.20     67.    500.   66.3
13  R9.21     67.    500.   70.5
14  R9.22     67.    500.   68.8
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 0. 0. 0. 0. 0. 0. 0. 0. 0. 6.12.12.12.12.13.14.14.15.16.16.16. 8. 0. 4. 8.
16.16.16. 8. 8.10.10.10.10.11.12.12.12.12.10. 8.33.33.33.33. 3. 3. 3. 3. 3.
 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 8. 8. 8.
 8. 8. 8.
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09 Birmingham to Santa Fe - OPT2 - EAST,DGN,OPT 2,
T-L26 SB Birmingham on ramp STA 645-651,1
976,45,14,45,10,45
T-L25 NB Birmingham off ramp STA 646-651,2
976,45,14,45,10,45
T-L4 SB Outer General Lane STA 651-654,3
3052,65,122,65,426,65
T-L14SB Inner General Lane STA 651-654,4
5217,65,183,65,0,65
T-L54 SB HOV Lane STA 651-653,5
3000,65,0,65,0,65
T-L53 NB HOV Lane STA 651-653,6
3000,65,0,65,0,65
T-L13 NB Inner General Lane ,7
5217,65,183,65,0,65
T-L3 NB Outer General Lane ,8
3052,65,122,65,426,65
T-L27 NB Brimingham on ramp STA 651-656,9
976,45,14,45,10,45
T-L28 SB Brimingham off ramp STA 651-654,10
976,45,14,45,10,45
T-L29 NB Santa Fe off ramp STA 658-663,11
950,45,24,45,26,45
T-L6 SB Outer General Lane STA 654-663,12
3052,65,122,65,426,65
T-L30 SB Santa Fe on ramp STA 657-663,13
950,45,24,45,26,45
T-L16 SB Inner General Lane STA 654-663,14
5217,65,183,65,0,65
T-L56 SB HOV Lane STA 654-663,15
3000,65,0,65,0,65
T-L55 NB HOV Lane STA 654-663,16
3000,65,0,65,0,65
T-L15 NB Inner General Lane STA 654-663,17
5217,65,183,65,0,65
T-L5 NB Outer General Lane STA 654-663,18
3052,65,122,65,426,65
T-L32 SB Santa Fe off ramp STA 663-667,19
950,45,24,45,26,45
T-L31 NB Santa Fe on ramp STA 663-668,20
950,45,24,45,26,45
L26 SB Birmingham on ramp STA 645-651,1
N,904385,595187,39.5,L26.1,
N,904365,595279,40.4,L26.2,
N,904350,595356,41,L26.3,
N,904335,595434,41.9,L26.4,
N,904320,595492,42.2,L26.5,
N,904305,595549,43.5,L26.6,
N,904283,595605,47.2,L26.7
N,904265,595640,50,L26.8
N,904228,595711,55.5,L26.9
N,904214,595749,57.8,L26.10
N,904200,595764,58.6,L26.11
L25 NB Birmingham off ramp STA 646-651,2,
N,904406,595402,41.8,L25.1
N,904400,595468,43,L25.2

N,904395,595525,44.4,L25.3
N,904387,595584,45.4,L25.4
N,904373,595664,48.2,L25.5
N,904361,595722,51.3,L25.6
N,904348,595781,54.8,L25.7
N,904347,595807,55.6,L25.8
L4 SB Outer General Lane STA 651-654,3,
N,904351,595396,41.8,L4.7
N,904336,595494,43,L4.8
N,904314,595589,44.3,L4.9
N,904290,595668,45.3,L4.10
N,904255,595759,47.2,L4.11
N,904217,595833,49.8,L4.12
N,904170,595921,47.3,L4.13
N,904119,596012,53,L4.14
N,904071,596099,56.3,L4.15
L14 SB Inner General Lane STA 651-654,4,
N,904361,595398,41.8,L14.7
N,904345,595495,43,L14.8
N,904322,595592,44.3,L14.9
N,904298,595671,45.3,L14.10
N,904263,595763,47.2,L14.11
N,904227,595838,49.8,L14.12
N,904178,595925,52.8,L14.13
N,904127,596016,55.8,L14.14
N,904079,596104,58.3,L14.15
L54 SB HOV Lane STA 651-653,5,
N,904371,595400,42,L54.7
N,904354,595497,43.3,L54.8
N,904332,595595,44.5,L54.9
N,904308,595674,45.5,L54.10
N,904272,595767,47.5,L54.11
N,904234,595841,50,L54.12
N,904187,595929,53,L54.13
N,904137,596020,56,L54.14
N,904087,596108,58.5,L54.15
L53 NB HOV Lane STA 651-653,6,
N,904387,595399,42,L53.7
N,904371,595499,43.4,L53.8
N,904349,595599,44.8,L53.9
N,904325,595678,45.8,L53.10
N,904290,595768,47.5,L53.11
N,904252,595844,50,L53.12
N,904201,595937,53,L53.13
N,904152,596028,56,L53.14
N,904103,596117,58.5,L53.15
L13 NB Inner General Lane,7,
N,904397,595401,41.8,L13.7
N,904381,595501,43.7,L13.8
N,904358,595602,45,L13.9
N,904334,595681,46,L13.10
N,904298,595771,47.7,L13.11
N,904262,595848,50.2,L13.12
N,904210,595943,52.8,L13.13
N,904160,596033,55.8,L13.14
N,904110,596123,58.3,L13.15

L3 NB Outer General Lane,8,
N,904406,595402,41.8,L3.7
N,904390,595503,43.7,L3.8
N,904366,595604,45,L3.9
N,904342,595685,46,L3.10
N,904308,595775,47.7,L3.11
N,904269,595852,50.2,L3.12
N,904217,595948,52.8,L3.13
N,904168,596038,55.8,L3.14
N,904118,596127,58.3,L3.15
L27 NB Birmingham on ramp STA 651-656,9,
N,904306,595834,56.9,L27.1
N,904296,595844,57,L27.2
N,904281,595881,56.6,L27.3
N,904251,595934,55.1,L27.4
N,904220,595985,54.4,L27.5
N,904187,596036,55.1,L27.6
N,904154,596085,56.7,L27.7
N,904121,596136,58.1,L27.8
N,904091,596187,59.4,L27.9
N,904072,596221,60,L27.10
N,904026,596295,61.8,L27.11
L28 SB Birmingham off ramp STA 651-654,10,
N,904181,595796,59.9,L28.1
N,904162,595867,57.2,L28.2
N,904144,595921,54.8,L28.3
N,904128,595957,53.6,L28.4
N,904112,595994,55.1,L28.5
N,904088,596049,56.7,L28.6
N,904067,596096,57.9,L28.7
N,904034,596165,59.8,L28.8
L29 NB Santa Fe off ramp STA 658-663,11,
N,903918,596490,60,L29.1
N,903897,596536,63.8,L29.2
N,903868,596591,64.3,L29.3
N,903851,596626,63.9,L29.4
N,903818,596698,63.4,L29.5
N,903795,596753,62.2,L29.6
N,903768,596807,60,L29.7
N,903742,596863,58.2,L29.8
N,903740,596882,58.1,L29.9
L6 SB Outer General Lane STA 654-663,12,
N,904071,596099,58.3,L6.1
N,904034,596165,59.8,L6.2
N,903978,596268,61.8,L6.3
N,903920,596374,63.3,L6.4
N,903871,596461,64,L6.5
N,903822,596552,64.4,L6.6
N,903772,596642,64.2,L6.7
N,903734,596712,63.8,L6.8
N,903676,596815,62.8,L6.9
N,903624,596906,61.3,L6.10
N,903569,597007,59.3,L6.11
N,903522,597091,57.3,L6.12
N,903473,597179,55.3,L6.13
N,903424,597270,53.3,L6.14

N,903378,597352,51.3,L6.15
L30 SB Santa Fe on ramp STA 657-663,13,
N,903920,596374,63.3,L30.1
N,903876,596445,63.8,L30.2
N,903841,596506,63.9,L30.3
N,903801,596575,63.4,L30.4
N,903770,596626,63.8,L30.5
N,903748,596659,63.5,L30.6
N,903726,596693,62.8,L30.7
N,903703,596726,61.3,L30.8
N,903670,596776,58.3,L30.9
N,903635,596824,55.5,L30.10
N,903610,596855,54.2,L30.11
N,903569,596899,53.5,L30.12
L16 SB Inner General Lane STA 654-663,14,
N,904079,596104,58.3,L16.1
N,904042,596168,59.8,L16.2
N,903986,596272,61.8,L16.3
N,903927,596379,63.3,L16.4
N,903880,596466,64,L16.5
N,903830,596556,64.4,L16.6
N,903779,596646,64.2,L16.7
N,903742,596716,63.8,L16.8
N,903684,596820,62.8,L16.9
N,903632,596911,61.3,L16.10
N,903576,597012,59.3,L16.11
N,903531,597096,57.3,L16.12
N,903481,597185,55.3,L16.13
N,903431,597273,53.3,L16.14
N,903386,597358,51.3,L16.15
L56 SB HOV Lane STA 654-663,15,
N,904087,596108,58.5,L56.1
N,904052,596173,60,L56.2
N,903996,596276,62,L56.3
N,903936,596384,63.5,L56.4
N,903888,596471,64.2,L56.5
N,903838,596560,64.6,L56.6
N,903789,596651,64.4,L56.7
N,903749,596721,64,L56.8
N,903693,596825,63,L56.9
N,903641,596917,61.5,L56.10
N,903584,597017,59.5,L56.11
N,903538,597101,57.5,L56.12
N,903489,597191,55.5,L56.13
N,903440,597278,53.5,L56.14
N,903394,597363,51.5,L56.15
L55 NB HOV Lane STA 654-663,16,
N,904103,596117,58.5,L55.1
N,904067,596182,60,L55.2
N,904009,596284,62,L55.3
N,903949,596395,63.5,L55.4
N,903903,596478,64.2,L55.5
N,903852,596570,64.6,L55.6
N,903803,596659,64.4,L55.7
N,903764,596731,64,L55.8
N,903707,596835,63,L55.9

N,903655,596925,61.5,L55.10
N,903599,597024,59.5,L55.11
N,903553,597110,57.5,L55.12
N,903504,597198,55.5,L55.13
N,903456,597285,53.5,L55.14
N,903407,597372,51.5,L55.15
L15 NB Inner General Lane STA 654-663,17,
N,904110,596123,58.3,L15.1
N,904075,596187,59.8,L15.2
N,904018,596290,61.8,L15.3
N,903958,596400,63.3,L15.4
N,903910,596484,64,L15.5
N,903860,596575,64.4,L15.6
N,903811,596664,64.2,L15.7
N,903773,596736,63.7,L15.8
N,903715,596839,62.8,L15.9
N,903664,596931,61.3,L15.10
N,903609,597030,59.3,L15.11
N,903563,597113,57.3,L15.12
N,903513,597203,55.3,L15.13
N,903465,597290,53.3,L15.14
N,903417,597376,51.3,L15.15
L5 NB Outer General Lane STA 654-663,18,
N,904118,596127,58.3,L5.1
N,904082,596193,59.8,L5.2
N,904026,596295,61.8,L5.3
N,903965,596405,63.3,L5.4
N,903918,596490,64,L5.5
N,903868,596580,64.4,L5.6
N,903819,596670,64.2,L5.7
N,903780,596741,63.7,L5.8
N,903723,596844,62.8,L5.9
N,903671,596936,61.3,L5.10
N,903616,597034,59.3,L5.11
N,903570,597118,57.3,L5.12
N,903520,597208,55.3,L5.13
N,903473,597294,53.3,L5.14
N,903425,597381,51.3,L5.15
L32 SB Santa Fe off ramp STA 663-667,19,
N,903579,596933,53.5,L32.1
N,903578,596956,53.6,L32.2
N,903548,597007,54.3,L32.3
N,903519,597060,55.1,L32.4
N,903493,597114,55.5,L32.5
N,903460,597187,54.6,L32.6
N,903436,597238,53.8,L32.7
N,903406,597291,52.6,L32.8
N,903376,597351,51.3,L32.9
L31 NB Santa Fe on ramp STA 663-668,20,
N,903694,596928,55.4,L31.1
N,903677,596964,55.3,L31.2
N,903648,597017,56.7,L31.3
N,903609,597088,57.2,L31.4
N,903578,597138,56.1,L31.5
N,903544,597188,55.4,L31.6
N,903513,597239,54.3,L31.7

N,903482,597291,53.1,L31.8
N,903451,597341,52,L31.9
N,903412,597410,51,L31.10
N,903379,597466,49.2,L31.11
B23 NB Birmingham off/on ramps ,1,2,0,0
904351,595693,50,50,B23.1
904339,595769,54,54,B23.2
904328,595821,56.3,56.3,B23.3
904294,595814,56.3,56.3,B23.4
904289,595824,56.3,56.3,B23.5
904290,595849,57,57,B23.5b
904244,595930,55.1,55.1,B23.5c
B4 NB ROW STA 651-657,2,2,0,0
904287,595884,56.6,56.6,B104.1
904259,595936,55.1,55.1,B104.2
904227,595989,54.4,54.4,B104.3
904204,596022,54.8,54.8,B104.4
904198,596034,55,55,B104.5A
904183,596058,55.7,55.7,B4.5
904160,596100,58,58,B4.6
904122,596178,64,64,B4.7
904109,596205,66,66,B4.7A
904099,596229,67.5,67.5,B4.8B
B4 NB ROW STA 651-657,3,2,0,0
904099,596229,67.5,67.5,B4.8B
904088,596249,68.5,68.5,B4.8
904052,596307,70.3,70.3,B4.9
904028,596345,69.5,69.5,B4.9A
904004,596380,67.5,67.5,B4.10
B10 Nursery,4,2,0,0
904020,596464,66.5,71.5,B10.1
903961,596463,63.8,68.8,B10.2
903961,596506,62,67,B10.3
904027,596507,65.5,70.5,B10.4
B5 NB ROW STA 657-658,5,2,0,0
904004,596380,67.5,67.5,B5.1
903959,596445,64,64,B5.2
903939,596483,63.3,63.3,B5.3
B7 NB Santa Fe off ramp,6,2,0,0
903936,596471,63.6,63.6,B7.1
903891,596554,64.3,64.3,B7.2
903871,596592,64.3,64.3,B7.3
903831,596683,63.6,63.6,B7.4
903811,596729,62.9,62.9,B7.5
903807,596756,60,60,B7.6
903795,596791,60.3,60.3,B7.7
903783,596842,61,61,B7.7A
B7 NB Santa Fe off ramp,7,2,0,0
903783,596842,61,61,B7.7A
903771,596893,60.7,60.7,B7.8
903818,596919,62,62,B7.9
B9 Country Inn,8,2,0,0
904347,595924,58,68.1,B9.1
904311,595942,56.5,66.6,B9.2
904295,595951,56.5,66.6,B9.3
904298,595963,57.6,67.7,B9.4

904350,595963,60.2,70.3,B9.5
B52 Center Divider ,9,2,0,0
904379,595400,42,43,B52.3
904362,595498,43.3,44.3,B52.4
904339,595597,44.6,45.6,B52.5
904316,595676,45.6,46.6,B52.6
904281,595767,47.5,48.5,B52.7
904244,595844,50,51,B52.8
904194,595933,53,54,B52.9
904145,596025,56,57,B52.10
B53 Center Divider,10,2,0,0
904145,596025,56,57,B53.1
904094,596113,58.5,59.5,B53.2
904059,596178,60.6,61.6,B53.3
904002,596281,62,63,B53.4
903942,596391,63.5,64.5,B53.5
903895,596476,64.2,65.2,B53.6
903845,596566,64.6,65.6,B53.7
903796,596656,64.4,65.4,B53.8
903756,596728,64,65,B53.9
903698,596831,63,64,B53.10
B54 Center Divider,11,2,0,0
903698,596831,63,64,B54.1
903647,596922,61.5,62.5,B54.2
903591,597022,59.5,60.5,B54.3
903544,597107,57.5,58.5,B54.4
903497,597195,55.5,56.5,B54.5
B8 NB SHLD STA 660-665,12,2,0,0
903808,596705,63.8,63.8,B8.1
903786,596746,63.5,63.5,B8.2
903729,596848,62.2,62.2,B8.3
903710,596884,62,62,B8.4
903677,596940,60.8,60.8,B8.5
903648,596994,59.5,59.5,B8.6
903622,597039,59.1,59.1,B8.7
903589,597100,57.3,57.3,B8.8
B8 NB SHLD STA 660-665,13,2,0,0
904299,595972,59,59,PL1.1
904279,595979,59,59,PL1.2
904257,596008,59,59,PL1.3
904247,596026,59,59,PL1.4
904240,596027,56.2,56.2,PL1.5
904225,596049,56.2,56.2,PL1.6
904233,596053,56.2,56.2,PL1.7
B20 PROPERTY WALL R13,14,2,0,0
904215,596072,55,58,B20.1
904205,596072,55.1,58.1,B20.2
904203,596074,55.2,58.2,B20.3
904198,596092,55.4,58.4,B20.4
R,1,67,4
904206,596076,56.7,R9.13
D,4.5
ALL,ALL
c,c,

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
09 BIRMINGHAM TO SANTA FE - OPT2 - EAST,DGN,OPT 2,

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	- 0.*								B23.1	252.7	
2	- 0.*								B23.2	174.5	
3	- 0.*								B23.3	113.9	
4	- 0.*								B23.4	36.7	
5	- 0.*								B23.5	82.2	
6	- 0.*								B23.5B	305.6	
7	- 0.*								B104.1	193.8	
8	- 0.*								B104.2	203.2	
9	- 0.*								B104.3	132.0	
10	- 0.*								B104.4	44.0	
11	- 0.*								B104.5A	92.9	
12	- 0.*								B4.5	157.3	
13	- 0.*								B4.6	285.3	
14	- 0.*								B4.7	98.4	
15	- 0.*								B4.7A	85.5	
16	- 0.*								B4.8B	74.9	
17	- 0.*								B4.8	224.0	
18	- 0.*								B4.9	147.5	
19	- 0.*								B4.9A	139.3	
20	- 16.*								B10.1	193.8	
21	- 16.*								B10.2	141.2	
22	- 16.*								B10.3	216.8	
23	- 0.*								B5.1	259.6	
24	- 0.*								B5.2	140.9	
25	- 0.*								B7.1	309.7	
26	- 0.*								B7.2	140.9	
27	- 0.*								B7.3	326.2	
28	- 0.*								B7.4	164.6	
29	- 0.*								B7.5	90.1	
30	- 0.*								B7.6	121.4	
31	- 0.*								B7.7	171.9	
32	- 0.*								B7.7A	172.0	
33	- 0.*								B7.8	176.3	
34	- 33.*								B9.1	132.2	
35	- 33.*								B9.2	60.2	
36	- 33.*								B9.3	40.8	

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37    - 33.*                    B9.4      170.8

38    -  3.*                    B52.3     326.3
39    -  3.*                    B52.4     333.5
40    -  3.*                    B52.5     270.0
41    -  3.*                    B52.6     319.9
42    -  3.*                    B52.7     280.5
43    -  3.*                    B52.8     335.1
44    -  3.*                    B52.9     342.1

45    -  3.*                    B53.1     333.8
46    -  3.*                    B53.2     242.4
47    -  3.*                    B53.3     386.2
48    -  3.*                    B53.4     411.1
49    -  3.*                    B53.5     318.7
50    -  3.*                    B53.6     337.7
51    -  3.*                    B53.7     336.2
52    -  3.*                    B53.8     270.2
53    -  3.*                    B53.9     387.9

54    -  3.*                    B54.1     342.3
55    -  3.*                    B54.2     376.1
56    -  3.*                    B54.3     318.8
57    -  3.*                    B54.4     327.4

58    -  0.*                    B8.1      152.6
59    -  0.*                    B8.2      383.3
60    -  0.*                    B8.3      133.6
61    -  0.*                    B8.4      213.3
62    -  0.*                    B8.5      201.1
63    -  0.*                    B8.6      170.6
64    -  0.*                    B8.7      227.6

65    -  0.*                    PL1.1      69.5
66    -  0.*                    PL1.2     119.4
67    -  0.*                    PL1.3      67.6
68    -  0.*                    PL1.4      24.9
69    -  0.*                    PL1.5      87.3
70    -  0.*                    PL1.6      29.3

71    - 10.*                    B20.1      32.8
72    - 10.*                    B20.2       9.3
73    - 10.*                    B20.3      61.2
--------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
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 1  R9.13     67.   500.   68.1
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.16.16.16. 0. 0. 0.
 0. 0. 0. 0. 0. 0. 0. 0.33.33.33.33. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
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3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.10.10.10.

10 Santa Fe 2 Encinitas WEST & EAST-No Build,0,Ft,
T-L29 - NB Santa Fe Off-Ramp,1
494,45,12,45,14,45
T-L6 - SB General Lanes - Outer,2
0,65,0,65,0,65
T-L30 - SB Santa Fe On-Ramp,3
456,45,12,45,12,45
T-L16 - SB General Lanes - Inner,4
3269,65,87,65,244,65
T-L56 - SB Futue HOV Lanes,5
3513,65,87,65,0,65
T-L55 - NB Future HOV Lanes,6
3513,65,87,65,0,65
T-L15 - NB General Lanes - Inner,7
3269,65,87,65,244,65
T-L5 - NB General Lanes - Outer,8
0,58,0,58,0,58
T-L32 - SB Santa Fe Off-Ramp,9
456,45,12,45,12,45
T-L31 - NB Santa Fe On-Ramp,10
637,45,16,45,17,45
T-L8 - SB General Lanes - Outer,11
0,65,0,65,0,65
T-L18 - SB General Lanes - Inner,12
3269,65,87,65,244,65
T-L58 - SB Future HOV Lanes,13
3513,65,87,65,0,65
T-L57- NB Future HOV Lanes,14
3513,65,87,65,0,65
T-L17 - NB General Lanes - Inner,15
3269,65,87,65,244,65
T-L7 - NB General Lanes - Outer,16
0,58,0,58,0,58
T-L33 - NB Encinitas Off-Ramp,17
694,45,18,45,19,45
T-L34 - SB Encinitas On-Ramp,18
684,45,17,45,19,45
T-L35 - NB Encinitas On-Ramp,19
836,45,21,45,23,45
T-L36 - SB Encinitas Off-Ramp,20
665,45,17,45,18,45
T-L2 - SB General Lanes - Outer,21
0,65,0,65,0,65
T-L12 - SB General Lanes - Inner,22
3269,65,87,65,244,65
T-L52 - SB Future HOV Lanes,23
3513,65,87,65,0,65
T-L51 - NB Future HOV Lanes,24
3513,65,87,65,0,65
T-L11 - NB General Lanes - Inner,25
3269,65,87,65,244,65
T-L1 - NB General Lanes - Outer,26
0,58,0,58,0,58
L29 - NB Santa Fe Off-Ramp,1
N,903918,596490,64,L29.1,
N,903876,596572,64.4,L29.2,

N,903851,596626,63.9,L29.3,
N,903826,596681,63.6,L29.4,
N,903807,596726,62.9,L29.5,
N,903787,596772,61.6,L29.6,
N,903769,596829,59.3,L29.7,
N,903762,596868,58.3,L29.8,
N,903758,596897,58.1,L29.9,
L6 - SB General Lanes - Outer,2
N,903871,596461,64,L6.5
N,903822,596552,64.4,L6.6
N,903772,596642,64.2,L6.7
N,903734,596712,63.8,L6.8
N,903676,596815,62.8,L6.9
N,903624,596906,61.3,L6.10
N,903569,597007,59.3,L6.11
N,903522,597091,57.3,L6.12
N,903473,597179,55.3,L6.13
N,903424,597270,53.3,L6.14
N,903378,597352,51.3,L6.15
L30 - SB Santa Fe On-Ramp,3,
N,903920,596374,63.3,L30.1
N,903876,596445,63.8,L30.2
N,903841,596506,63.9,L30.3
N,903801,596575,63.4,L30.4
N,903770,596626,63.8,L30.5
N,903748,596659,63.5,L30.6
N,903726,596693,62.8,L30.7
N,903703,596726,61.3,L30.8
N,903670,596776,58.3,L30.9
N,903635,596824,55.5,L30.10
N,903610,596855,54.2,L30.11
N,903569,596899,53.5,L30.12
L16 - SB General Lanes - Inner,4,
N,903880,596466,64,L16.5
N,903830,596556,64.4,L16.6
N,903779,596646,64.2,L16.7
N,903742,596716,63.8,L16.8
N,903684,596820,62.8,L16.9
N,903632,596911,61.3,L16.10
N,903576,597012,59.3,L16.11
N,903531,597096,57.3,L16.12
N,903481,597185,55.3,L16.13
N,903431,597273,53.3,L16.14
N,903386,597358,51.3,L16.15
L56 - SB HOV Lanes,5,
N,903888,596471,64.2,L56.5
N,903838,596560,64.6,L56.6
N,903789,596651,64.4,L56.7
N,903749,596721,64,L56.8
N,903693,596825,63,L56.9
N,903641,596917,61.5,L56.10
N,903584,597017,59.5,L56.11
N,903538,597101,57.5,L56.12
N,903489,597191,55.5,L56.13
N,903440,597278,53.5,L56.14
N,903394,597363,51.5,L56.15

L55 - NB HOV Lanes,6,
N,903903,596478,64.2,L55.5
N,903852,596570,64.6,L55.6
N,903803,596659,64.4,L55.7
N,903764,596731,64,L55.8
N,903707,596835,63,L55.9
N,903655,596925,61.5,L55.10
N,903599,597024,59.5,L55.11
N,903553,597110,57.5,L55.12
N,903504,597198,55.5,L55.13
N,903456,597285,53.5,L55.14
N,903407,597372,51.5,L55.15
L15 - NB General Lanes - Inner,7,
N,903910,596484,64,L15.5
N,903860,596575,64.4,L15.6
N,903811,596664,64.2,L15.7
N,903773,596736,63.7,L15.8
N,903715,596839,62.8,L15.9
N,903664,596931,61.3,L15.10
N,903609,597030,59.3,L15.11
N,903563,597113,57.3,L15.12
N,903513,597203,55.3,L15.13
N,903465,597290,53.3,L15.14
N,903417,597376,51.3,L15.15
L5 - NB General Lanes - Outer,8,
N,904118,596127,58.3,L5.1
N,904082,596193,59.8,L5.2
N,904026,596295,61.8,L5.3
N,903965,596405,63.3,L5.4
N,903918,596490,64,L5.5
N,903868,596580,64.4,L5.6
N,903819,596670,64.2,L5.7
N,903780,596741,63.7,L5.8
N,903723,596844,62.8,L5.9
N,903671,596936,61.3,L5.10
N,903616,597034,59.3,L5.11
N,903570,597118,57.3,L5.12
N,903520,597208,55.3,L5.13
N,903473,597294,53.3,L5.14
N,903425,597381,51.3,L5.15
L32 - SB Santa Fe Off-Ramp,9,
N,903559,596922,53.5,L32.1
N,903551,596963,53.7,L32.2
N,903539,597002,54.5,L32.3
N,903517,597058,55.2,L32.4
N,903500,597095,55.6,L32.5
N,903487,597125,55.6,L32.6
N,903467,597168,55,L32.7
N,903451,597205,54.3,L32.8
N,903424,597270,53.3,L32.9
L31 - NB Santa Fe On-Ramp,10,
N,903715,596918,56.7,L31.1
N,903690,596950,54.9,L31.2
N,903666,596981,54.3,L31.3
N,903646,597015,54.6,L31.4
N,903606,597085,56.1,L31.5

N,903585,597119,56.6,L31.6
N,903564,597153,56.1,L31.7
N,903521,597221,54.7,L31.8
N,903481,597290,53.2,L31.9
N,903425,597381,51.3,L31.10
L8 - SB General Lanes - Outer,11,
N,903378,597352,51.3,L8.1
N,903325,597452,49.7,L8.2
N,903284,597548,47.7,L8.3
N,903259,597619,46.3,L8.4
N,903231,597720,44.2,L8.5
N,903212,597802,41.9,L8.6
N,903188,597899,39.8,L8.7
N,903164,598000,37.5,L8.8
N,903140,598101,35.8,L8.9
N,903115,598196,35,L8.10
N,903093,598288,34.6,L8.11
N,903071,598385,34.6,L8.12
L18 - SB General Lanes - Inner,12,
N,903386,597358,51.3,L18.1
N,903333,597456,49.7,L18.2
N,903292,597551,47.7,L18.3
N,903267,597621,46.3,L18.4
N,903240,597722,44.2,L18.5
N,903220,597804,41.9,L18.6
N,903197,597901,39.8,L18.7
N,903172,598002,37.5,L18.8
N,903148,598104,35.8,L18.9
N,903125,598198,35,L18.10
N,903103,598290,34.6,L18.11
N,903079,598388,34.6,L18.12
L58 - SB HOV Lanes,13,
N,903394,597363,51.5,L58.1
N,903344,597459,49.5,L58.2
N,903302,597553,47.5,L58.3
N,903277,597623,46,L58.4
N,903250,597723,43.8,L58.5
N,903230,597807,42,L58.6
N,903206,597902,40,L58.7
N,903181,598006,38,L58.8
N,903157,598106,36,L58.9
N,903134,598200,35,L58.10
N,903112,598294,34.8,L58.11
N,903089,598391,34.7,L58.12
L57- NB HOV Lanes,14,
N,903407,597372,51.5,L57.1
N,903361,597459,49.5,L57.2
N,903320,597551,47.5,L57.3
N,903294,597623,46,L57.4
N,903267,597723,43.8,L57.5
N,903244,597819,42,L57.6
N,903220,597913,40,L57.7
N,903197,598013,38,L57.8
N,903173,598110,36,L57.9
N,903151,598204,35,L57.10
N,903129,598299,34.8,L57.11

N,903105,598395,34.7,L57.12
L17 - NB General Lanes - Inner,15,
N,903417,597376,51.3,L17.1
N,903371,597463,49.2,L17.2
N,903330,597554,47.2,L17.3
N,903305,597625,45.7,L17.4
N,903278,597724,43.7,L17.5
N,903254,597820,41.8,L17.6
N,903231,597916,39.8,L17.7
N,903207,598015,37.8,L17.8
N,903184,598111,35.8,L17.9
N,903161,598206,34.8,L17.10
N,903138,598301,34.6,L17.11
N,903114,598397,34.6,L17.12
L7 - NB General Lanes - Outer,16,
N,903425,597381,51.3,L7.1
N,903379,597466,49.2,L7.2
N,903338,597557,47.2,L7.3
N,903313,597628,45.7,L7.4
N,903285,597724,43.7,L7.5
N,903263,597823,41.8,L7.6
N,903239,597918,39.8,L7.7
N,903216,598017,37.8,L7.8
N,903192,598113,35.8,L7.9
N,903169,598208,34.8,L7.10
N,903146,598304,34.6,L7.11
N,903123,598401,34.6,L7.12
L33 - NB Encinitas Off-Ramp,17,
N,903263,597823,41.8,L33.1
N,903244,597913,39.6,L33.2
N,903230,598013,37.4,L33.3
N,903219,598093,35.2,L33.4
N,903218,598172,32.3,L33.5
N,903219,598246,31,L33.6
L34 - SB Encinitas On-Ramp,18,
N,903212,597802,41.9,L34.1
N,903183,597899,39.6,L34.2
N,903157,597996,37.5,L34.3
N,903126,598090,35.3,L34.4
N,903104,598146,32.3,L34.5
N,903074,598197,28.7,L34.6
N,903031,598265,25.7,L34.7
L35 - NB Encinitas On-Ramp,19,
N,903219,598270,31.2,L35.1
N,903179,598335,31.9,L35.2
N,903142,598404,33.3,L35.3
N,903110,598499,33.9,L35.4
N,903087,598576,34.4,L35.5
N,903067,598652,35.3,L35.6
N,903033,598771,36.9,L35.7
L36 - SB Encinitas Off-Ramp,20,
N,903033,598289,26,L36.1
N,903033,598341,25.7,L36.2
N,903032,598381,27.1,L36.3
N,903029,598440,30.2,L36.4
N,903025,598479,31.5,L36.5

N,903015,598558,34.3,L36.6
N,903003,598638,35.3,L36.7
N,902996,598676,36,L36.8
N,902980,598753,36.8,L36.9
L2 - SB General Lanes - Outer,21,
N,903070,598385,34.6,L2.1
N,903048,598474,34.3,L2.2
N,903031,598544,34.7,L2.3
N,903007,598641,35.6,L2.4
N,902980,598753,36.8,L2.5
L12 - SB General Lanes - Inner,22,
N,903079,598388,34.6,L12.1
N,903056,598475,34.3,L12.2
N,903040,598546,34.7,L12.3
N,903016,598644,35.6,L12.4
N,902990,598756,36.8,L12.5
L52 - SB HOV Lanes,23,
N,903089,598391,34.7,L52.1
N,903067,598479,34.4,L52.2
N,903050,598548,34.7,L52.3
N,903025,598646,35.7,L52.4
N,902998,598759,37,L52.5
L51 - NB HOV Lanes,24,
N,903105,598396,34.7,L51.1
N,903083,598484,34.4,L51.2
N,903066,598553,34.7,L51.3
N,903041,598651,35.7,L51.4
N,903014,598766,37,L51.5
L11 - NB General Lanes - Inner,25,
N,903113,598398,34.6,L11.1
N,903092,598486,34.3,L11.2
N,903075,598555,34.7,L11.3
N,903052,598653,35.6,L11.4
N,903023,598768,36.9,L11.5
L1 - NB General Lanes - Outer,26,
N,903122,598401,34.6,L1.1
N,903102,598489,34.3,L1.2
N,903084,598558,34.7,L1.3
N,903059,598656,35.6,L1.4
N,903033,598771,36.9,L1.5
B8 - NB Shoulder ST 660 to 665,1,2,0,0
903808,596705,63.8,63.8,B8.1
903786,596746,63.5,63.5,B8.2
903729,596848,62.5,62.5,B8.3
903710,596884,62,62,B8.4
903677,596940,60.5,60.5,B8.5
903648,596994,59.5,59.5,B8.6
903622,597039,59.2,59.2,B8.7
903589,597100,57.3,57.3,B8.8
B54 - Center Divider,2,2,0,0
903698,596831,63,64,B54.1
903647,596922,61.5,62.5,B54.2
903592,597022,59.5,60.5,B54.3
903545,597107,57.5,58.5,B54.4
903496,597195,55.5,56.5,B54.5
903448,597283,53.5,54.5,B54.6

903401,597368,51.5,52.5,B54.7
903352,597459,49.5,50.5,B54.8
903311,597553,47.5,48.5,B54.9
903286,597624,46,47,B54.10
B5 - NB ROW ST 663 to 667,3,2,0,0
903699,596954,56,56,B5.1
903667,597000,56.5,56.5,B5.2
903648,597033,58.1,58.1,B5.3
903636,597050,58,58,B5.4
903633,597074,58,58,B5.5
903600,597126,57.7,57.7,B5.6
903574,597169,57,57,B5.7
903542,597221,56,56,B5.8
903524,597252,54.5,54.5,B5.9
903503,597293,52,52,B5.10
B11 - Building NB Side ST 666,4,2,0,0
903561,597205,56,61,B11.1
903581,597220,56,61,B11.1A
903581,597220,56,63.8,B11.1A
903629,597251,56.2,63.8,B11.2
B12 - Building NB Side ST 667,5,2,0,0
903566,597348,54.3,61.9,B12.1
903515,597326,54.5,62.1,B12.2
903473,597380,54,61.6,B12.3
903515,597406,54.3,61.9,B12.4
B13 - Building/Nat Bar NB Side ST 669,6,2,0,0
903502,597515,54,59,B13.1
903457,597509,55,60,B13.2
903457,597509,55,55,B13.2
903448,597513,50,50,B13.3
B2 - Building SB Side ST 668,7,2,0,0
903368,597309,49.3,56.9,B2.1
903291,597309,49.3,56.9,B2.2
903277,597262,49.3,56.9,B2.3
B1 - SB Shoulder to ROW ST 667 to 672,8,2,0,0
903447,597204,54.3,54.3,B1.1
903416,597267,53.3,53.3,B1.2
903401,597295,52.6,52.6,B1.3
903371,597349,51.3,51.3,B1.4
903319,597449,49.7,49.7,B1.5
903276,597547,47.7,47.7,B1.6
903249,597610,51,51,B1.7
903242,597643,51.3,51.3,B1.8
903226,597675,52.6,52.6,B1.9
903215,597719,53.4,53.4,B1.10
B6 - NB ROW to Shoulder ST 667 to 673,9,2,0,0
903503,597293,52,52,B6.1
903474,597346,52,52,B6.2
903480,597300,53.3,53.3,B6.3
903422,597401,51.3,51.3,B6.4
903385,597470,49.2,49.2,B6.5
903345,597561,47.2,47.2,B6.6
903320,597630,45.7,45.7,B6.7
903296,597717,45.7,45.7,B6.8
903293,597729,43.7,43.7,B6.9
903269,597824,41.8,41.8,B6.10

B9 - Nat Bar NB Side along Requeza ST 672,10,2,0,0
903360,597716,46,46,B9.1
903301,597717,49.5,49.5,B9.2
903296,597717,49.7,49.7,B9.3
B3 - SB ROW ST 672 to 676,11,2,0,0
903215,597719,53.4,53.4,B3.1
903211,597732,53.4,53.4,B3.2
903188,597796,52,52,B3.4
903172,597846,51.7,51.7,B3.5
903145,597919,53,53,B3.6
903139,597970,52,52,B3.7
B3 - SB ROW ST 672 to 676,12,2,0,0
903139,597970,52,52,B3.7
903119,598027,52,52,B3.8
903064,598103,54.3,54.3,B3.9
903047,598162,43,43,B3.10
B4 - Nat Bar SB Side ST 677,13,2,0,0
903054,598132,50,50,B4.1
903041,598150,50,50,B4.2
903000,598155,50,50,B4.3
B10 - Building NB Side ST 675,14,2,0,0
903286,597996,34.7,38.4,B10.1
903293,597998,34.7,38.4,B10.2
903289,598026,34.5,38.2,B10.3
903298,598050,34.2,37.9,B10.4
903315,598092,34.2,37.9,B10.5
B7 - NB Shoulder ST 673 to 676,15,2,0,0
903269,597824,41.8,41.8,B7.1
903248,597916,39.6,39.6,B7.2
903234,598013,37.5,37.5,B7.3
903225,598094,35.2,35.2,B7.4
B55 - Center Divider,16,2,0,0
903286,597624,46,47,B55.1
903259,597724,44,45,B55.2
903237,597813,42,43,B55.3
903214,597908,40,41,B55.4
903189,598011,38,39,B55.5
903165,598108,36,37,B55.6
903142,598204,35,36,B55.7
903120,598295,34.8,35.8,B55.8
903097,598394,34.7,35.7,B55.9
B14 - 5Ft Property Wall St 672 to 674,17,2,0,0
903298,597737,48,49.5,B14.1
903289,597777,44,45.5,B14.2
903286,597802,42,43.5,B14.3
903282,597838,44,45.5,B14.4
903273,597888,44,45.5,B14.5
903266,597931,44,45.5,B14.6
B15 - 6Ft Property Wall St 672 to 674,18,2,0,0
903369,597932,44,45.9,B15.1
903369,597902,41,42.9,B15.2
903369,597819,42,43.9,B15.3
903370,597743,42,43.9,B15.4
903370,597733,44,45.9,B15.5
903370,597733,44,45.9,B15.6
R,1,67,4

903219,597360,54.2,R10.1
R,2,67,4
903200,597451,57.2,R10.2
R,3,67,4
903228,597540,55.7,R10.3
R,4,67,4
903205,597539,57,R10.3B
R,5,67,4
903223,597619,56.7,R10.3A
R,6,67,4
903215,597649,56.8,R10.4
R,7,67,4
903184,597697,56.7,R10.4A
R,8,67,4
903179,597780,54.2,R10.5
R,9,67,4
903154,597878,54.2,R10.6/ST10.4
R,10,67,4
903093,598048,54.5,R10.7
R,11,67,4
903050,598125,52.8,R10.8
R,12,67,4
903011,598149,51.5,R10.9
R,13,67,4
903753,597018,59.8,R10.10
R,14,67,4
903648,597060,59.7,R10.11
R,15,67,4
903642,597155,58.4,R10.12
R,16,67,4
903551,597255,57.3,R10.13/ST 10.2
R,17,67,4
903485,597395,55.7,R10.14
R,18,67,4
903455,597524,51.2,R10.15
R,19,67,4
903469,597625,52,R10.16
R,20,67,4
903425,597648,49.8,R10.17
R,21,67,4
903383,597744,45.5,R10.18
R,22,67,4
903382,597821,45.5,R10.19
R,23,67,4
903376,597910,45.5,R10.19A
R,24,67,4
903351,597950,43,R10.20
D,4.5
ALL,1
ALL,2
ALL,3
ALL,4
ALL,8
ALL,9
ALL,10
ALL,11

ALL,12
ALL,13
ALL,15
ALL,17
ALL,19
ALL,20
ALL,21
ALL,22
ALL,23
ALL,24
K,-5
ALL,4,15
c,c,

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
10 SANTA FE 2 ENCINITAS WEST & EAST-NO BUILD,0,FT

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	- 0.*								B8.1	152.6	
2	- 0.*								B8.2	383.3	
3	- 0.*								B8.3	133.6	
4	- 0.*								B8.4	213.3	
5	- 0.*								B8.5	201.1	
6	- 0.*								B8.6	170.6	
7	- 0.*								B8.7	227.6	
8	- 3.*								B54.1	342.3	
9	- 3.*								B54.2	374.5	
10	- 3.*								B54.3	318.8	
11	- 3.*								B54.4	330.5	
12	- 3.*								B54.5	328.9	
13	- 3.*								B54.6	318.8	
14	- 3.*								B54.7	339.1	
15	- 3.*								B54.8	336.5	
16	- 3.*								B54.9	247.1	
17	- 0.*								B5.1	183.8	
18	- 0.*								B5.2	125.0	
19	- 0.*								B5.3	68.3	
20	- 0.*								B5.4	79.3	
21	- 0.*								B5.5	202.1	
22	- 0.*								B5.6	164.9	
23	- 0.*								B5.7	200.4	
24	- 0.*								B5.8	117.7	
25	- 0.*								B5.9	151.3	
26	- 16.*								B11.1	82.0	
27	- 21.*								B11.1A	9.2	
28	- 25.*								B11.1A	187.5	
29	- 25.*								B12.1	182.2	
30	- 25.*								B12.2	224.4	
31	- 25.*								B12.3	162.1	
32	- 16.*								B13.1	148.9	
33	- 8.*								B13.2	16.5	
34	- 0.*								B13.2	36.3	
35	- 25.*								B2.1	252.7	
36	- 25.*								B2.2	160.9	

37	-	0.*	B1.1	230.4
38	-	0.*	B1.2	104.3
39	-	0.*	B1.3	202.6
40	-	0.*	B1.4	369.8
41	-	0.*	B1.5	351.2
42	-	0.*	B1.6	225.1
43	-	0.*	B1.7	110.7
44	-	0.*	B1.8	117.5
45	-	0.*	B1.9	148.8
46	-	0.*	B6.1	198.3
47	-	0.*	B6.2	152.2
48	-	0.*	B6.3	382.1
49	-	0.*	B6.4	257.0
50	-	0.*	B6.5	326.2
51	-	0.*	B6.6	240.8
52	-	0.*	B6.7	296.1
53	-	0.*	B6.8	41.0
54	-	0.*	B6.9	321.5
55	-	0.*	B9.1	193.9
56	-	0.*	B9.2	16.4
57	-	0.*	B3.1	44.7
58	-	0.*	B3.2	223.2
59	-	0.*	B3.4	172.2
60	-	0.*	B3.5	255.4
61	-	0.*	B3.6	168.5
62	-	0.*	B3.7	198.2
63	-	0.*	B3.8	307.9
64	-	0.*	B3.9	204.9
65	-	0.*	B4.1	72.9
66	-	0.*	B4.2	135.5
67	-	12.*	B10.1	23.9
68	-	12.*	B10.2	92.8
69	-	12.*	B10.3	84.1
70	-	12.*	B10.4	148.7
71	-	0.*	B7.1	309.7
72	-	0.*	B7.2	321.6
73	-	0.*	B7.3	267.5
74	-	3.*	B55.1	339.8
75	-	3.*	B55.2	300.9
76	-	3.*	B55.3	320.8
77	-	3.*	B55.4	347.8
78	-	3.*	B55.5	328.0
79	-	3.*	B55.6	323.8
80	-	3.*	B55.7	307.2
81	-	3.*	B55.8	333.4
82	-	5.*	B14.1	135.1
83	-	5.*	B14.2	83.0

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84    -  5.*                        B14.3      119.0
85    -  5.*                        B14.4      166.6
86    -  5.*                        B14.5      143.0

87    -  6.*                        B15.1       99.0
88    -  6.*                        B15.2      272.3
89    -  6.*                        B15.3      249.3
90    -  6.*                        B15.4       33.5
91    -  6.*                        B15.5        .0
--------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
 REC REC ID    DNL  PEOPLE   LEQ(CAL)
 ---------------------------------
  1  R10.1     67.    500.   67.4
  2  R10.2     67.    500.   68.4
  3  R10.3     67.    500.   72.4
  4  R10.3B    67.    500.   65.5
  5  R10.3A    67.    500.   76.3
  6  R10.4     67.    500.   75.7
  7  R10.4A    67.    500.   71.4
  8  R10.5     67.    500.   72.1
  9  R10.6/ST  67.    500.   74.0
 10  R10.7     67.    500.   71.3
 11  R10.8     67.    500.   70.9
 12  R10.9     67.    500.   67.8
 13  R10.10    67.    500.   68.7
 14  R10.11    67.    500.   74.4
 15  R10.12    67.    500.   65.3
 16  R10.13/S  67.    500.   74.8
 17  R10.14    67.    500.   70.4
 18  R10.15    67.    500.   71.1
 19  R10.16    67.    500.   67.2
 20  R10.17    67.    500.   68.7
 21  R10.18    67.    500.   68.2
 22  R10.19    67.    500.   67.2
 23  R10.19A   67.    500.   66.9
 24  R10.20    67.    500.   67.7
 BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
  0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 16.21.25.25.25.25.16. 8. 0.25.25. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
  0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.12.12.12.12. 0. 0. 0. 3. 3.
  3. 3. 3. 3. 3. 3. 3. 5. 5. 5. 5. 5. 6. 6. 6. 6. 6.
```

10 Santa Fe 2 Encinitas Build - WEST,BLD,Ft
T-L29 - NB Santa Fe Off-Ramp,1,
950,45,24,45,26,45,
T-L6 - SB General Lanes - Outer,2,
3052,65,122,65,426,65,
T-L30 - SB Santa Fe On-Ramp,3,
950,45,24,45,26,45,
T-L16 - SB General Lanes - Inner,4,
5217,65,183,65,0,65,
T-L56 - SB Futue HOV Lanes,5,
3000,65,0,65,0,65,
T-L55 - NB Future HOV Lanes,6,
3000,65,0,65,0,65,
T-L15 - NB General Lanes - Inner,7,
5217,65,183,65,0,65,
T-L5 - NB General Lanes - Outer,8,
3052,65,122,65,426,65
T-L32 - SB Santa Fe Off-Ramp,9
950,45,24,45,26,45
T-L31 - NB Santa Fe On-Ramp,10
950,45,24,45,26,45
T-L8 - SB General Lanes - Outer,11
4764,65,168,64,468,65
T-L18 - SB General Lanes - Inner,12
5217,65,183,65,0,65
T-L58 - SB Future HOV Lanes,13
3000,65,0,65,0,65
T-L57- NB Future HOV Lanes,14
3000,65,0,65,0,65
T-L17 - NB General Lanes - Inner,15
5217,65,183,65,0,65
T-L7 - NB General Lanes - Outer,16
3052,65,122,65,426,65
T-L33 - NB Encinitas Off-Ramp,17
950,45,24,45,26,45
T-L34 - SB Encinitas On-Ramp,18
950,45,24,45,26,45
T-L35 - NB Encinitas On-Ramp,19
950,45,24,45,26,45
T-L36 - SB Encinitas Off-Ramp,20
950,45,24,45,26,45
T-L2 - SB General Lanes - Outer,21
3052,65,122,65,426,65
T-L12 - SB General Lanes - Inner,22
5217,65,183,65,0,65
T-L52 - SB Future HOV Lanes,23
3000,65,0,65,0,65
T-L51 - NB Future HOV Lanes,24
3000,65,0,65,0,65
T-L11 - NB General Lanes - Inner,25
5217,65,183,65,0,65
T-L1 - NB General Lanes - Outer,26
3052,65,122,65,426,65
T-L8 - SB General Lanes - Outer,27
3052,65,122,65,426,65
L29 - NB Santa Fe Off-Ramp,1

N,903918,596490,60,L29.1,
N,903897,596536,63.8,L29.2,
N,903868,596591,64.3,L29.3,
N,903851,596626,63.9,L29.4,
N,903818,596698,63.4,L29.5,
N,903795,596753,62.2,L29.6,
N,903768,596807,60,L29.7,
N,903742,596863,58.2,L29.8,
N,903740,596882,58.1,L29.9
L6 - SB General Lanes - Outer,2,
N,903871,596461,64,L6.5
N,903822,596552,64.4,L6.6
N,903772,596642,64.2,L6.7
N,903734,596712,63.8,L6.8
N,903676,596815,62.8,L6.9
N,903624,596906,61.3,L6.10
N,903569,597007,59.3,L6.11
N,903522,597091,57.3,L6.12
N,903473,597179,55.3,L6.13
N,903424,597270,53.3,L6.14
N,903378,597352,51.3,L6.15
L30 - SB Santa Fe On-Ramp,3,
N,903920,596374,63.3,L30.1
N,903876,596445,63.8,L30.2
N,903841,596506,63.9,L30.3
N,903801,596575,63.4,L30.4
N,903770,596626,63.8,L30.5
N,903748,596659,63.5,L30.6
N,903726,596693,62.8,L30.7
N,903703,596726,61.3,L30.8
N,903670,596776,58.3,L30.9
N,903635,596824,55.5,L30.10
N,903610,596855,54.2,L30.11
N,903569,596899,53.5,L30.12
L16 - SB General Lanes - Inner,4,
N,903880,596466,64,L16.5
N,903830,596556,64.4,L16.6
N,903779,596646,64.2,L16.7
N,903742,596716,63.8,L16.8
N,903684,596820,62.8,L16.9
N,903632,596911,61.3,L16.10
N,903576,597012,59.3,L16.11
N,903531,597096,57.3,L16.12
N,903481,597185,55.3,L16.13
N,903431,597273,53.3,L16.14
N,903386,597358,51.3,L16.15
L56 - SB HOV Lanes,5,
N,903888,596471,64.2,L56.5
N,903838,596560,64.6,L56.6
N,903789,596651,64.4,L56.7
N,903749,596721,64,L56.8
N,903693,596825,63,L56.9
N,903641,596917,61.5,L56.10
N,903584,597017,59.5,L56.11
N,903538,597101,57.5,L56.12
N,903489,597191,55.5,L56.13

N,903440,597278,53.5,L56.14
N,903394,597363,51.5,L56.15
L55 - NB HOV Lanes,6,
N,903903,596478,64.2,L55.5
N,903852,596570,64.6,L55.6
N,903803,596659,64.4,L55.7
N,903764,596731,64,L55.8
N,903707,596835,63,L55.9
N,903655,596925,61.5,L55.10
N,903599,597024,59.5,L55.11
N,903553,597110,57.5,L55.12
N,903504,597198,55.5,L55.13
N,903456,597285,53.5,L55.14
N,903407,597372,51.5,L55.15
L15 - NB General Lanes - Inner,7,
N,903910,596484,64,L15.5
N,903860,596575,64.4,L15.6
N,903811,596664,64.2,L15.7
N,903773,596736,63.7,L15.8
N,903715,596839,62.8,L15.9
N,903664,596931,61.3,L15.10
N,903609,597030,59.3,L15.11
N,903563,597113,57.3,L15.12
N,903513,597203,55.3,L15.13
N,903465,597290,53.3,L15.14
N,903417,597376,51.3,L15.15
L5 - NB General Lanes - Outer,8,
N,904118,596127,58.3,L5.1
N,904082,596193,59.8,L5.2
N,904026,596295,61.8,L5.3
N,903965,596405,63.3,L5.4
N,903918,596490,64,L5.5
N,903868,596580,64.4,L5.6
N,903819,596670,64.2,L5.7
N,903780,596741,63.7,L5.8
N,903723,596844,62.8,L5.9
N,903671,596936,61.3,L5.10
N,903616,597034,59.3,L5.11
N,903570,597118,57.3,L5.12
N,903520,597208,55.3,L5.13
N,903473,597294,53.3,L5.14
N,903425,597381,51.3,L5.15
L32 - SB Santa Fe Off-Ramp,9,
N,903579,596933,53.5,L32.1
N,903578,596956,53.6,L32.2
N,903548,597007,54.3,L32.3
N,903519,597060,55.1,L32.4
N,903493,597114,55.5,L32.5
N,903460,597187,54.6,L32.6
N,903436,597238,53.8,L32.7
N,903406,597291,52.6,L32.8
N,903376,597351,51.3,L32.9
L31 - NB Santa Fe On-Ramp,10,
N,903694,596928,55.4,L31.1
N,903677,596964,55.3,L31.2
N,903648,597017,56.7,L31.3

N,903609,597088,57.2,L31.4
N,903578,597138,56.1,L31.5
N,903544,597188,55.4,L31.6
N,903513,597239,54.3,L31.7
N,903482,597291,53.1,L31.8
N,903451,597341,52,L31.9
N,903412,597410,51,L31.10
N,903379,597466,49.2,L31.11
L8 - SB General Lanes - Outer,11,
N,903378,597352,51.3,L8.1
N,903325,597452,49.7,L8.2
N,903284,597548,47.7,L8.3
N,903259,597619,46.3,L8.4
N,903231,597720,44.2,L8.5
N,903212,597802,41.9,L8.6
L18 - SB General Lanes - Inner,12,
N,903386,597358,51.3,L18.1
N,903333,597456,49.7,L18.2
N,903292,597551,47.7,L18.3
N,903267,597621,46.3,L18.4
N,903240,597722,44.2,L18.5
N,903220,597804,41.9,L18.6
N,903197,597901,39.8,L18.7
N,903172,598002,37.5,L18.8
N,903148,598104,35.8,L18.9
N,903125,598198,35,L18.10
N,903103,598290,34.6,L18.11
N,903079,598388,34.6,L18.12
L58 - SB HOV Lanes,13,
N,903394,597363,51.5,L58.1
N,903344,597459,49.5,L58.2
N,903302,597553,47.5,L58.3
N,903277,597623,46,L58.4
N,903250,597723,43.8,L58.5
N,903230,597807,42,L58.6
N,903206,597902,40,L58.7
N,903181,598006,38,L58.8
N,903157,598106,36,L58.9
N,903134,598200,35,L58.10
N,903112,598294,34.8,L58.11
N,903089,598391,34.7,L58.12
L57- NB HOV Lanes,14,
N,903407,597372,51.5,L57.1
N,903361,597459,49.5,L57.2
N,903320,597551,47.5,L57.3
N,903294,597623,46,L57.4
N,903267,597723,43.8,L57.5
N,903244,597819,42,L57.6
N,903220,597913,40,L57.7
N,903197,598013,38,L57.8
N,903173,598110,36,L57.9
N,903151,598204,35,L57.10
N,903129,598299,34.8,L57.11
N,903105,598395,34.7,L57.12
L17 - NB General Lanes - Inner,15,
N,903417,597376,51.3,L17.1

N,903371,597463,49.2,L17.2
N,903330,597554,47.2,L17.3
N,903305,597625,45.7,L17.4
N,903278,597724,43.7,L17.5
N,903254,597820,41.8,L17.6
N,903231,597916,39.8,L17.7
N,903207,598015,37.8,L17.8
N,903184,598111,35.8,L17.9
N,903161,598206,34.8,L17.10
N,903138,598301,34.6,L17.11
N,903114,598397,34.6,L17.12
L7 - NB General Lanes - Outer,16,
N,903425,597381,51.3,L7.1
N,903379,597466,49.2,L7.2
N,903338,597557,47.2,L7.3
N,903313,597628,45.7,L7.4
N,903285,597724,43.7,L7.5
N,903263,597823,41.8,L7.6
N,903239,597918,39.8,L7.7
N,903216,598017,37.8,L7.8
N,903192,598113,35.8,L7.9
N,903169,598208,34.8,L7.10
N,903146,598304,34.6,L7.11
N,903123,598401,34.6,L7.12
L33 - NB Encinitas Off-Ramp,17,
N,903263,597823,41.8,L33.1
N,903244,597913,39.6,L33.2
N,903230,598013,37.4,L33.3
N,903219,598093,35.2,L33.4
N,903218,598172,32.3,L33.5
N,903219,598246,31,L33.6
L34 - SB Encinitas On-Ramp,18,
N,903209,597801,41.9,L34.1
N,903192,597860,40.8,L34.2
N,903177,597920,39.1,L34.3
N,903155,597995,37.5,L34.4
N,903130,598070,35.7,L34.5
N,903105,598124,34.1,L34.6
N,903075,598176,29.9,L34.7
N,903043,598228,27.2,L34.8
N,903036,598248,26.5,L34.9
N,903030,598267,26.1,L34.10
L35 - NB Encinitas On-Ramp,19,
N,903220,598264,31.1,L35.1
N,903217,598284,31.2,L35.2
N,903210,598305,31.4,L35.3
N,903179,598357,32.2,L35.4
N,903149,598408,33.3,L35.5
N,903125,598463,33.7,L35.6
N,903106,598519,34,L35.7
N,903088,598576,34.3,L35.8
N,903068,598653,35.2,L35.9
N,903053,598711,36.2,L35.10
N,903033,598771,36.9,L35.11
L36 - SB Encinitas Off-Ramp,20,
N,903028,598283,26,L36.1

N,903029,598340,25.9,L36.2
N,903027,598401,28.1,L36.3
N,903026,598459,30.9,L36.4
N,903025,598499,32.2,L36.5
N,903016,598558,34.3,L36.6
N,903006,598618,35,L36.7
N,903001,598657,35.9,L36.8
N,902992,598697,36.1,L36.9
N,902980,598753,36.8,L36.10
L2 - SB General Lanes - Outer,21,
N,903070,598385,34.6,L2.1
N,903048,598474,34.3,L2.2
N,903031,598544,34.7,L2.3
N,903007,598641,35.6,L2.4
N,902980,598753,36.8,L2.5
L12 - SB General Lanes - Inner,22,
N,903079,598388,34.6,L12.1
N,903056,598475,34.3,L12.2
N,903040,598546,34.7,L12.3
N,903016,598644,35.6,L12.4
N,902990,598756,36.8,L12.5
L52 - SB HOV Lanes,23,
N,903089,598391,34.7,L52.1
N,903067,598479,34.4,L52.2
N,903050,598548,34.7,L52.3
N,903025,598646,35.7,L52.4
N,902998,598759,37,L52.5
L51 - NB HOV Lanes,24,
N,903105,598396,34.7,L51.1
N,903083,598484,34.4,L51.2
N,903066,598553,34.7,L51.3
N,903041,598651,35.7,L51.4
N,903014,598766,37,L51.5
L11 - NB General Lanes - Inner,25,
N,903113,598398,34.6,L11.1
N,903092,598486,34.3,L11.2
N,903075,598555,34.7,L11.3
N,903052,598653,35.6,L11.4
N,903023,598768,36.9,L11.5
L1 - NB General Lanes - Outer,26,
N,903122,598401,34.6,L1.1,
N,903102,598489,34.3,L1.2,
N,903084,598558,34.7,L1.3,
N,903059,598656,35.6,L1.4,
N,903033,598771,36.9,L1.5,
L8 - SB General Lanes - Outer,27
N,903188,597899,39.8,L8.7,
N,903164,598000,37.5,L8.8,
N,903140,598101,35.8,L8.9,
N,903115,598196,35,L8.10,
N,903093,598288,34.6,L8.11,
N,903071,598385,34.6,L8.12,
B8 - NB Shoulder ST 660 to 665,1,2,0,0,
903808,596705,63.8,63.8,B8.1,
903786,596746,63.5,63.5,B8.2,
903729,596848,62.5,62.5,B8.3,

903710,596884,62,62,B8.4,
903677,596940,60.5,60.5,B8.5,
903648,596994,59.5,59.5,B8.6,
903622,597039,59.2,59.2,B8.7,
903589,597100,57.3,57.3,B8.8,
B54 - Center Divider,2,2,0,0,
903698,596831,63,64,B54.1,
903647,596922,61.5,62.5,B54.2,
903592,597022,59.5,60.5,B54.3,
903545,597107,57.5,58.5,B54.4,
903496,597195,55.5,56.5,B54.5,
903448,597283,53.5,54.5,B54.6,
903401,597368,51.5,52.5,B54.7,
903352,597459,49.5,50.5,B54.8,
903311,597553,47.5,48.5,B54.9,
903286,597624,46,47,B54.10,
B5 - NB ROW ST 663 to 667,3,2,0,0,
903699,596954,56,56,B5.1,
903667,597000,56.5,56.5,B5.2,
903648,597033,58.1,58.1,B5.3,
903636,597050,58,58,B5.4,
903633,597074,58,58,B5.5,
903600,597126,57.7,57.7,B5.6,
903574,597169,57,57,B5.7,
903542,597221,56,56,B5.8,
903524,597252,54.5,54.5,B5.9,
903503,597293,52,52,B5.10,
B11 - Building NB Side ST 666,4,2,0,0,
903561,597205,56,61,B11.1,
903581,597220,56,61,B11.1A,
903581,597220,56,63.8,B11.1A,
903629,597251,56.2,63.8,B11.2,
B12 - Building NB Side ST 667,5,2,0,0,
903566,597348,54.3,61.9,B12.1,
903515,597326,54.5,62.1,B12.2,
903473,597380,54,61.6,B12.3,
903515,597406,54.3,61.9,B12.4,
B13 - Building/Nat Bar NB Side ST 669,6,2,0,0,
903502,597515,54,59,B13.1,
903457,597509,55,60,B13.2,
903457,597509,55,55,B13.2,
903448,597513,50,50,B13.3,
B2 - Building SB Side ST 668,7,2,0,0,
903368,597309,49.3,56.9,B2.1,
903291,597309,49.3,56.9,B2.2,
903277,597262,49.3,56.9,B2.3,
B1 - SB Shoulder to ROW ST 667 to 672,8,2,0,0,
903447,597204,54.3,54.3,B1.1,
903416,597267,53.3,53.3,B1.2,
903401,597295,52.6,52.6,B1.3,
903371,597349,51.3,51.3,B1.4,
903319,597449,49.7,49.7,B1.5,
903276,597547,47.7,47.7,B1.6,
903249,597610,51,51,B1.7,
903242,597643,51.3,51.3,B1.8,
903226,597675,52.6,52.6,B1.9,

903215,597719,53.4,53.4,B1.10,
B6 - NB ROW to Shoulder ST 667 to 673,9,2,0,0,
903503,597293,52,52,B6.1,
903474,597346,52,52,B6.2,
903480,597300,53.3,53.3,B6.3,
903422,597401,51.3,51.3,B6.4,
903385,597470,49.2,49.2,B6.5,
903345,597561,47.2,47.2,B6.6,
903320,597630,45.7,45.7,B6.7,
903296,597717,45.7,45.7,B6.8,
903293,597729,43.7,43.7,B6.9,
903269,597824,41.8,41.8,B6.10,
B9 - Nat Bar NB Side along Requeza ST 672,10,2,0,0,
903360,597716,46,46,B9.1,
903301,597717,49.5,49.5,B9.2,
903296,597717,49.7,49.7,B9.3,
B3 - SB ROW ST 672 to 676,11,2,0,0,
903215,597719,53.4,53.4,B3.1,
903211,597732,53.4,53.4,B3.2,
903188,597796,52,52,B3.4,
903172,597846,51.7,51.7,B3.5,
903145,597919,53,53,B3.6,
903139,597970,52,52,B3.7,
B3 - SB ROW ST 672 to 676,12,2,0,0,
903139,597970,52,52,B3.7,
903119,598027,52,52,B3.8,
903064,598103,54.3,54.3,B3.9,
903047,598162,43,43,B3.10,
B4 - Nat Bar SB Side ST 677,13,2,0,0,
903054,598132,50,50,B4.1,
903041,598150,50,50,B4.2,
903000,598155,50,50,B4.3,
B10 - Building NB Side ST 675,14,2,0,0,
903286,597996,34.7,38.4,B10.1,
903293,597998,34.7,38.4,B10.2,
903289,598026,34.5,38.2,B10.3,
903298,598050,34.2,37.9,B10.4,
903315,598092,34.2,37.9,B10.5,
B7 - NB Shoulder ST 673 to 676,15,2,0,0,
903269,597824,41.8,41.8,B7.1,
903248,597916,39.6,39.6,B7.2,
903234,598013,37.5,37.5,B7.3,
903225,598094,35.2,35.2,B7.4,
B55 - Center Divider,16,2,0,0,
903286,597624,46,47,B55.1,
903259,597724,44,45,B55.2,
903237,597813,42,43,B55.3,
903214,597908,40,41,B55.4,
903189,598011,38,39,B55.5,
903165,598108,36,37,B55.6,
903142,598204,35,36,B55.7,
903120,598295,34.8,35.8,B55.8,
903097,598394,34.7,35.7,B55.9,
B14 - 5Ft Property Wall St 672 to 674,17,2,0,0,
903298,597737,48,49.5,B14.1,
903289,597777,44,45.5,B14.2,

903286,597802,42,43.5,B14.3,
903282,597838,44,45.5,B14.4,
903273,597888,44,45.5,B14.5,
903266,597931,44,45.5,B14.6,
B15 - 6Ft Property Wall St 672 to 674,18,2,0,0,
903369,597932,44,45.9,B15.1,
903369,597902,44,45.9,B15.2,
903369,597819,44,45.9,B15.3,
903370,597743,44,45.9,B15.4,
903370,597733,44,45.9,B15.5,
903370,597733,44,45.9,B15.6,
B101 - SB Building Near R3b Sta 671,19,2,0,0,
903187,597596,56.6,63.9,B101.1,
903220,597596,54.3,61.6,B101.2,
R,1,67,4
903219,597360,54.2,R10.1
R,2,67,4
903200,597451,57.2,R10.2
R,3,67,4
903228,597540,55.7,R10.3
R,4,67,4
903205,597539,57,R10.3B
R,5,67,4
903223,597619,56.7,R10.3A
R,6,67,4
903215,597649,56.8,R10.4
R,7,67,4
903184,597697,56.7,R10.4A
R,8,67,4
903179,597780,54.2,R10.5
R,9,67,4
903154,597878,54.2,R10.6/ST10.4
R,10,67,4
903093,598048,54.5,R10.7
R,11,67,4
903050,598125,52.8,R10.8
R,12,67,4
903011,598149,51.5,R10.9
D,4.5
ALL,1
ALL,2
ALL,3
ALL,4
ALL,8
ALL,9
ALL,10
ALL,11
ALL,12
K,-5
ALL,4
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
10 SANTA FE 2 ENCINITAS BUILD - WEST,BLD,FT

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	- 0.*								B8.1	152.6	
2	- 0.*								B8.2	383.3	
3	- 0.*								B8.3	133.6	
4	- 0.*								B8.4	213.3	
5	- 0.*								B8.5	201.1	
6	- 0.*								B8.6	170.6	
7	- 0.*								B8.7	227.6	
8	- 3.*								B54.1	342.3	
9	- 3.*								B54.2	374.5	
10	- 3.*								B54.3	318.8	
11	- 3.*								B54.4	330.5	
12	- 3.*								B54.5	328.9	
13	- 3.*								B54.6	318.8	
14	- 3.*								B54.7	339.1	
15	- 3.*								B54.8	336.5	
16	- 3.*								B54.9	247.1	
17	- 0.*								B5.1	183.8	
18	- 0.*								B5.2	125.0	
19	- 0.*								B5.3	68.3	
20	- 0.*								B5.4	79.3	
21	- 0.*								B5.5	202.1	
22	- 0.*								B5.6	164.9	
23	- 0.*								B5.7	200.4	
24	- 0.*								B5.8	117.7	
25	- 0.*								B5.9	151.3	
26	- 16.*								B11.1	82.0	
27	- 21.*								B11.1A	9.2	
28	- 25.*								B11.1A	187.5	
29	- 25.*								B12.1	182.2	
30	- 25.*								B12.2	224.4	
31	- 25.*								B12.3	162.1	
32	- 16.*								B13.1	148.9	
33	- 8.*								B13.2	16.5	
34	- 0.*								B13.2	36.3	
35	- 25.*								B2.1	252.7	
36	- 25.*								B2.2	160.9	

37	-	0.*	B1.1	230.4
38	-	0.*	B1.2	104.3
39	-	0.*	B1.3	202.6
40	-	0.*	B1.4	369.8
41	-	0.*	B1.5	351.2
42	-	0.*	B1.6	225.1
43	-	0.*	B1.7	110.7
44	-	0.*	B1.8	117.5
45	-	0.*	B1.9	148.8
46	-	0.*	B6.1	198.3
47	-	0.*	B6.2	152.2
48	-	0.*	B6.3	382.1
49	-	0.*	B6.4	257.0
50	-	0.*	B6.5	326.2
51	-	0.*	B6.6	240.8
52	-	0.*	B6.7	296.1
53	-	0.*	B6.8	41.0
54	-	0.*	B6.9	321.5
55	-	0.*	B9.1	193.9
56	-	0.*	B9.2	16.4
57	-	0.*	B3.1	44.7
58	-	0.*	B3.2	223.2
59	-	0.*	B3.4	172.2
60	-	0.*	B3.5	255.4
61	-	0.*	B3.6	168.5
62	-	0.*	B3.7	198.2
63	-	0.*	B3.8	307.9
64	-	0.*	B3.9	204.9
65	-	0.*	B4.1	72.9
66	-	0.*	B4.2	135.5
67	-	12.*	B10.1	23.9
68	-	12.*	B10.2	92.8
69	-	12.*	B10.3	84.1
70	-	12.*	B10.4	148.7
71	-	0.*	B7.1	309.7
72	-	0.*	B7.2	321.6
73	-	0.*	B7.3	267.5
74	-	3.*	B55.1	339.8
75	-	3.*	B55.2	300.9
76	-	3.*	B55.3	320.8
77	-	3.*	B55.4	347.8
78	-	3.*	B55.5	328.0
79	-	3.*	B55.6	323.8
80	-	3.*	B55.7	307.2
81	-	3.*	B55.8	333.4
82	-	5.*	B14.1	135.1
83	-	5.*	B14.2	83.0

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84    -  5.*                        B14.3      119.0
85    -  5.*                        B14.4      166.6
86    -  5.*                        B14.5      143.0

87    -  6.*                        B15.1       98.5
88    -  6.*                        B15.2      272.3
89    -  6.*                        B15.3      249.3
90    -  6.*                        B15.4       32.8
91    -  6.*                        B15.5        .0

92    - 24.*                         B101.1     108.6
-------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
---------------------------------
 1  R10.1     67.    500.   70.0
 2  R10.2     67.    500.   71.0
 3  R10.3     67.    500.   75.4
 4  R10.3B    67.    500.   67.9
 5  R10.3A    67.    500.   78.7
 6  R10.4     67.    500.   78.1
 7  R10.4A    67.    500.   73.7
 8  R10.5     67.    500.   73.7
 9  R10.6/ST  67.    500.   75.5
10  R10.7     67.    500.   73.3
11  R10.8     67.    500.   73.3
12  R10.9     67.    500.   70.1
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0.
16.21.25.25.25.25.16. 8. 0.25.25. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.12.12.12.12. 0. 0. 0. 3. 3.
 3. 3. 3. 3. 3. 3. 5. 5. 5. 5. 5. 6. 6. 6. 6. 6.24.
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10 Santa Fe 2 Encinitas Build - WEST,DGN,Ft
T-L29 - NB Santa Fe Off-Ramp,1,
950,45,24,45,26,45,
T-L6 - SB General Lanes - Outer,2,
3052,65,122,65,426,65,
T-L30 - SB Santa Fe On-Ramp,3,
950,45,24,45,26,45,
T-L16 - SB General Lanes - Inner,4,
5217,65,183,65,0,65,
T-L56 - SB Futue HOV Lanes,5,
3000,65,0,65,0,65,
T-L55 - NB Future HOV Lanes,6,
3000,65,0,65,0,65,
T-L15 - NB General Lanes - Inner,7,
5217,65,183,65,0,65,
T-L5 - NB General Lanes - Outer,8,
3052,65,122,65,426,65
T-L32 - SB Santa Fe Off-Ramp,9
950,45,24,45,26,45
T-L31 - NB Santa Fe On-Ramp,10
950,45,24,45,26,45
T-L8 - SB General Lanes - Outer,11
4764,65,168,64,468,65
T-L18 - SB General Lanes - Inner,12
5217,65,183,65,0,65
T-L58 - SB Future HOV Lanes,13
3000,65,0,65,0,65
T-L57- NB Future HOV Lanes,14
3000,65,0,65,0,65
T-L17 - NB General Lanes - Inner,15
5217,65,183,65,0,65
T-L7 - NB General Lanes - Outer,16
3052,65,122,65,426,65
T-L33 - NB Encinitas Off-Ramp,17
950,45,24,45,26,45
T-L34 - SB Encinitas On-Ramp,18
950,45,24,45,26,45
T-L35 - NB Encinitas On-Ramp,19
950,45,24,45,26,45
T-L36 - SB Encinitas Off-Ramp,20
950,45,24,45,26,45
T-L2 - SB General Lanes - Outer,21
3052,65,122,65,426,65
T-L12 - SB General Lanes - Inner,22
5217,65,183,65,0,65
T-L52 - SB Future HOV Lanes,23
3000,65,0,65,0,65
T-L51 - NB Future HOV Lanes,24
3000,65,0,65,0,65
T-L11 - NB General Lanes - Inner,25
5217,65,183,65,0,65
T-L1 - NB General Lanes - Outer,26
3052,65,122,65,426,65
T-L8 - SB General Lanes - Outer,27
3052,65,122,65,426,65
L29 - NB Santa Fe Off-Ramp,1

N,903918,596490,60,L29.1,
N,903897,596536,63.8,L29.2,
N,903868,596591,64.3,L29.3,
N,903851,596626,63.9,L29.4,
N,903818,596698,63.4,L29.5,
N,903795,596753,62.2,L29.6,
N,903768,596807,60,L29.7,
N,903742,596863,58.2,L29.8,
N,903740,596882,58.1,L29.9
L6 - SB General Lanes - Outer,2,
N,903871,596461,64,L6.5
N,903822,596552,64.4,L6.6
N,903772,596642,64.2,L6.7
N,903734,596712,63.8,L6.8
N,903676,596815,62.8,L6.9
N,903624,596906,61.3,L6.10
N,903569,597007,59.3,L6.11
N,903522,597091,57.3,L6.12
N,903473,597179,55.3,L6.13
N,903424,597270,53.3,L6.14
N,903378,597352,51.3,L6.15
L30 - SB Santa Fe On-Ramp,3,
N,903920,596374,63.3,L30.1
N,903876,596445,63.8,L30.2
N,903841,596506,63.9,L30.3
N,903801,596575,63.4,L30.4
N,903770,596626,63.8,L30.5
N,903748,596659,63.5,L30.6
N,903726,596693,62.8,L30.7
N,903703,596726,61.3,L30.8
N,903670,596776,58.3,L30.9
N,903635,596824,55.5,L30.10
N,903610,596855,54.2,L30.11
N,903569,596899,53.5,L30.12
L16 - SB General Lanes - Inner,4,
N,903880,596466,64,L16.5
N,903830,596556,64.4,L16.6
N,903779,596646,64.2,L16.7
N,903742,596716,63.8,L16.8
N,903684,596820,62.8,L16.9
N,903632,596911,61.3,L16.10
N,903576,597012,59.3,L16.11
N,903531,597096,57.3,L16.12
N,903481,597185,55.3,L16.13
N,903431,597273,53.3,L16.14
N,903386,597358,51.3,L16.15
L56 - SB HOV Lanes,5,
N,903888,596471,64.2,L56.5
N,903838,596560,64.6,L56.6
N,903789,596651,64.4,L56.7
N,903749,596721,64,L56.8
N,903693,596825,63,L56.9
N,903641,596917,61.5,L56.10
N,903584,597017,59.5,L56.11
N,903538,597101,57.5,L56.12
N,903489,597191,55.5,L56.13

N,903440,597278,53.5,L56.14
N,903394,597363,51.5,L56.15
L55 - NB HOV Lanes,6,
N,903903,596478,64.2,L55.5
N,903852,596570,64.6,L55.6
N,903803,596659,64.4,L55.7
N,903764,596731,64,L55.8
N,903707,596835,63,L55.9
N,903655,596925,61.5,L55.10
N,903599,597024,59.5,L55.11
N,903553,597110,57.5,L55.12
N,903504,597198,55.5,L55.13
N,903456,597285,53.5,L55.14
N,903407,597372,51.5,L55.15
L15 - NB General Lanes - Inner,7,
N,903910,596484,64,L15.5
N,903860,596575,64.4,L15.6
N,903811,596664,64.2,L15.7
N,903773,596736,63.7,L15.8
N,903715,596839,62.8,L15.9
N,903664,596931,61.3,L15.10
N,903609,597030,59.3,L15.11
N,903563,597113,57.3,L15.12
N,903513,597203,55.3,L15.13
N,903465,597290,53.3,L15.14
N,903417,597376,51.3,L15.15
L5 - NB General Lanes - Outer,8,
N,904118,596127,58.3,L5.1
N,904082,596193,59.8,L5.2
N,904026,596295,61.8,L5.3
N,903965,596405,63.3,L5.4
N,903918,596490,64,L5.5
N,903868,596580,64.4,L5.6
N,903819,596670,64.2,L5.7
N,903780,596741,63.7,L5.8
N,903723,596844,62.8,L5.9
N,903671,596936,61.3,L5.10
N,903616,597034,59.3,L5.11
N,903570,597118,57.3,L5.12
N,903520,597208,55.3,L5.13
N,903473,597294,53.3,L5.14
N,903425,597381,51.3,L5.15
L32 - SB Santa Fe Off-Ramp,9,
N,903579,596933,53.5,L32.1
N,903578,596956,53.6,L32.2
N,903548,597007,54.3,L32.3
N,903519,597060,55.1,L32.4
N,903493,597114,55.5,L32.5
N,903460,597187,54.6,L32.6
N,903436,597238,53.8,L32.7
N,903406,597291,52.6,L32.8
N,903376,597351,51.3,L32.9
L31 - NB Santa Fe On-Ramp,10,
N,903694,596928,55.4,L31.1
N,903677,596964,55.3,L31.2
N,903648,597017,56.7,L31.3

N,903609,597088,57.2,L31.4
N,903578,597138,56.1,L31.5
N,903544,597188,55.4,L31.6
N,903513,597239,54.3,L31.7
N,903482,597291,53.1,L31.8
N,903451,597341,52,L31.9
N,903412,597410,51,L31.10
N,903379,597466,49.2,L31.11
L8 - SB General Lanes - Outer,11,
N,903378,597352,51.3,L8.1
N,903325,597452,49.7,L8.2
N,903284,597548,47.7,L8.3
N,903259,597619,46.3,L8.4
N,903231,597720,44.2,L8.5
N,903212,597802,41.9,L8.6
L18 - SB General Lanes - Inner,12,
N,903386,597358,51.3,L18.1
N,903333,597456,49.7,L18.2
N,903292,597551,47.7,L18.3
N,903267,597621,46.3,L18.4
N,903240,597722,44.2,L18.5
N,903220,597804,41.9,L18.6
N,903197,597901,39.8,L18.7
N,903172,598002,37.5,L18.8
N,903148,598104,35.8,L18.9
N,903125,598198,35,L18.10
N,903103,598290,34.6,L18.11
N,903079,598388,34.6,L18.12
L58 - SB HOV Lanes,13,
N,903394,597363,51.5,L58.1
N,903344,597459,49.5,L58.2
N,903302,597553,47.5,L58.3
N,903277,597623,46,L58.4
N,903250,597723,43.8,L58.5
N,903230,597807,42,L58.6
N,903206,597902,40,L58.7
N,903181,598006,38,L58.8
N,903157,598106,36,L58.9
N,903134,598200,35,L58.10
N,903112,598294,34.8,L58.11
N,903089,598391,34.7,L58.12
L57- NB HOV Lanes,14,
N,903407,597372,51.5,L57.1
N,903361,597459,49.5,L57.2
N,903320,597551,47.5,L57.3
N,903294,597623,46,L57.4
N,903267,597723,43.8,L57.5
N,903244,597819,42,L57.6
N,903220,597913,40,L57.7
N,903197,598013,38,L57.8
N,903173,598110,36,L57.9
N,903151,598204,35,L57.10
N,903129,598299,34.8,L57.11
N,903105,598395,34.7,L57.12
L17 - NB General Lanes - Inner,15,
N,903417,597376,51.3,L17.1

N,903371,597463,49.2,L17.2
N,903330,597554,47.2,L17.3
N,903305,597625,45.7,L17.4
N,903278,597724,43.7,L17.5
N,903254,597820,41.8,L17.6
N,903231,597916,39.8,L17.7
N,903207,598015,37.8,L17.8
N,903184,598111,35.8,L17.9
N,903161,598206,34.8,L17.10
N,903138,598301,34.6,L17.11
N,903114,598397,34.6,L17.12
L7 - NB General Lanes - Outer,16,
N,903425,597381,51.3,L7.1
N,903379,597466,49.2,L7.2
N,903338,597557,47.2,L7.3
N,903313,597628,45.7,L7.4
N,903285,597724,43.7,L7.5
N,903263,597823,41.8,L7.6
N,903239,597918,39.8,L7.7
N,903216,598017,37.8,L7.8
N,903192,598113,35.8,L7.9
N,903169,598208,34.8,L7.10
N,903146,598304,34.6,L7.11
N,903123,598401,34.6,L7.12
L33 - NB Encinitas Off-Ramp,17,
N,903263,597823,41.8,L33.1
N,903244,597913,39.6,L33.2
N,903230,598013,37.4,L33.3
N,903219,598093,35.2,L33.4
N,903218,598172,32.3,L33.5
N,903219,598246,31,L33.6
L34 - SB Encinitas On-Ramp,18,
N,903209,597801,41.9,L34.1
N,903192,597860,40.8,L34.2
N,903177,597920,39.1,L34.3
N,903155,597995,37.5,L34.4
N,903130,598070,35.7,L34.5
N,903105,598124,34.1,L34.6
N,903075,598176,29.9,L34.7
N,903043,598228,27.2,L34.8
N,903036,598248,26.5,L34.9
N,903030,598267,26.1,L34.10
L35 - NB Encinitas On-Ramp,19,
N,903220,598264,31.1,L35.1
N,903217,598284,31.2,L35.2
N,903210,598305,31.4,L35.3
N,903179,598357,32.2,L35.4
N,903149,598408,33.3,L35.5
N,903125,598463,33.7,L35.6
N,903106,598519,34,L35.7
N,903088,598576,34.3,L35.8
N,903068,598653,35.2,L35.9
N,903053,598711,36.2,L35.10
N,903033,598771,36.9,L35.11
L36 - SB Encinitas Off-Ramp,20,
N,903028,598283,26,L36.1

N,903029,598340,25.9,L36.2
N,903027,598401,28.1,L36.3
N,903026,598459,30.9,L36.4
N,903025,598499,32.2,L36.5
N,903016,598558,34.3,L36.6
N,903006,598618,35,L36.7
N,903001,598657,35.9,L36.8
N,902992,598697,36.1,L36.9
N,902980,598753,36.8,L36.10
L2 - SB General Lanes - Outer,21,
N,903070,598385,34.6,L2.1
N,903048,598474,34.3,L2.2
N,903031,598544,34.7,L2.3
N,903007,598641,35.6,L2.4
N,902980,598753,36.8,L2.5
L12 - SB General Lanes - Inner,22,
N,903079,598388,34.6,L12.1
N,903056,598475,34.3,L12.2
N,903040,598546,34.7,L12.3
N,903016,598644,35.6,L12.4
N,902990,598756,36.8,L12.5
L52 - SB HOV Lanes,23,
N,903089,598391,34.7,L52.1
N,903067,598479,34.4,L52.2
N,903050,598548,34.7,L52.3
N,903025,598646,35.7,L52.4
N,902998,598759,37,L52.5
L51 - NB HOV Lanes,24,
N,903105,598396,34.7,L51.1
N,903083,598484,34.4,L51.2
N,903066,598553,34.7,L51.3
N,903041,598651,35.7,L51.4
N,903014,598766,37,L51.5
L11 - NB General Lanes - Inner,25,
N,903113,598398,34.6,L11.1
N,903092,598486,34.3,L11.2
N,903075,598555,34.7,L11.3
N,903052,598653,35.6,L11.4
N,903023,598768,36.9,L11.5
L1 - NB General Lanes - Outer,26,
N,903122,598401,34.6,L1.1,
N,903102,598489,34.3,L1.2,
N,903084,598558,34.7,L1.3,
N,903059,598656,35.6,L1.4,
N,903033,598771,36.9,L1.5,
L8 - SB General Lanes - Outer,27
N,903188,597899,39.8,L8.7,
N,903164,598000,37.5,L8.8,
N,903140,598101,35.8,L8.9,
N,903115,598196,35,L8.10,
N,903093,598288,34.6,L8.11,
N,903071,598385,34.6,L8.12,
B54 - Center Divider,1,2,0,0,
903698,596831,63,64,B54.1,3.3
903647,596922,61.5,62.5,B54.2,3.3
903592,597022,59.5,60.5,B54.3,3.3

903545,597107,57.5,58.5,B54.4,3.3
903496,597195,55.5,56.5,B54.5,3.3
903448,597283,53.5,54.5,B54.6,3.3
903401,597368,51.5,52.5,B54.7,3.3
903352,597459,49.5,50.5,B54.8,3.3
903311,597553,47.5,48.5,B54.9,3.3
903286,597624,46,47,B54.10,3.3
B11 - Building NB Side ST 666,2,2,0,0,
903561,597205,56,61,B11.1,16.4
903581,597220,56,61,B11.1A,16.4
903581,597220,56,63.8,B11.1A,25.6
903629,597251,56.2,63.8,B11.2,24.9
B12 - Building NB Side ST 667,3,2,0,0,
903566,597348,54.3,61.9,B12.1,24.9
903515,597326,54.5,62.1,B12.2,24.9
903473,597380,54,61.6,B12.3,24.9
903515,597406,54.3,61.9,B12.4,24.9
B13 - Building/Nat Bar NB Side ST 669,4,2,0,0,
903502,597515,54,59,B13.1,16.4
903457,597509,55,60,B13.2,16.4
903457,597509,55,55,B13.2,0.0
903448,597513,50,50,B13.3,0.0
B2 - Building SB Side ST 668,5,2,0,0,
903368,597309,49.3,56.9,B2.1,24.9
903291,597309,49.3,56.9,B2.2,24.9
903277,597262,49.3,56.9,B2.3,24.9
B1 - SB Shoulder to ROW ST 667 to 672,6,2,0,0,
903447,597204,54.3,54.3,B1.1,0.0
903416,597267,53.3,53.3,B1.2,0.0
903401,597295,52.6,52.6,B1.3,0.0
903371,597349,51.3,51.3,B1.4,0.0
903319,597449,49.7,49.7,B1.5,0.0
903276,597547,47.7,47.7,B1.6,0.0
903249,597610,51,51,B1.7,0.0
B1 - SB Shoulder to ROW ST 667 to 672,7,2,0,0,
903249,597610,51,55.3,B1.7,14.0
903242,597643,51.3,55.6,B1.8,14.0
903242,597643,51.3,55.0,B1.8,12.0
903226,597675,52.6,56.3,B1.9,12.0
903215,597719,53.4,57.1,B1.10,12.0
B6 - NB ROW to Shoulder ST 667 to 673,8,2,0,0,
903503,597293,52,52,B6.1,0.0
903474,597346,52,52,B6.2,0.0
903480,597300,53.3,53.3,B6.3,0.0
B6 - NB ROW to Shoulder ST 667 to 673,9,2,0,0,
903480,597300,53.3,53.3,B6.3,0.0
903422,597401,51.3,51.3,B6.4,0.0
903385,597470,49.2,49.2,B6.5,0.0
903345,597561,47.2,47.2,B6.6,0.0
903320,597630,45.7,45.7,B6.7,0.0
903296,597717,45.7,45.7,B6.8,0.0
903293,597729,43.7,43.7,B6.9,0.0
903269,597824,41.8,41.8,B6.10,0.0
B9 - Nat Bar NB Side along Requeza ST 672,10,2,0,0,
903360,597716,46,46,B9.1,0.0
903301,597717,49.5,49.5,B9.2,0.0

903296,597717,49.7,49.7,B9.3,0.0
B3 - SB ROW ST 672 to 676,11,2,0,0,
903215,597719,53.4,53.4,B3.1,0.0
903211,597732,53.4,53.4,B3.2,0.0
903211,597732,53.4,55.8,B3.2,8.0
903188,597796,52,54.4,B3.4,8.0
903172,597846,51.7,54.1,B3.5,8.0
903145,597919,53,55.4,B3.6,8.0
903139,597970,52,54.4,B3.7,8.0
B3 - SB ROW ST 672 to 676,12,2,0,0,
903139,597970,52,54.4,B3.7,8.0
903119,598027,52,54.4,B3.8,8.0
903064,598103,54.3,56.7,B3.9,8.0
903064,598103,54.3,57.3,B3.9,10.0
903054,598132,50,53.0,B4.1,10.0
903054,598132,50,50,B4.1,0.0
903047,598162,43,43,B3.10,0.0
B4 - Nat Bar SB Side ST 677,13,2,0,0,
903054,598132,50,50,B4.1,0.0
903041,598150,50,50,B4.2,0.0
903000,598155,50,50,B4.3,0.0
B10 - Building NB Side ST 675,14,2,0,0,
903286,597996,34.7,38.4,B10.1,12.1
903293,597998,34.7,38.4,B10.2,12.1
903289,598026,34.5,38.2,B10.3,12.1
903298,598050,34.2,37.9,B10.4,12.1
903315,598092,34.2,37.9,B10.5,12.1
B7 - NB Shoulder ST 673 to 676,15,2,0,0,
903269,597824,41.8,41.8,B7.1,0.0
903248,597916,39.6,39.6,B7.2,0.0
903234,598013,37.5,37.5,B7.3,0.0
903225,598094,35.2,35.2,B7.4,0.0
B55 - Center Divider,16,2,0,0,
903286,597624,46,47,B55.1,3.3
903259,597724,44,45,B55.2,3.3
903237,597813,42,43,B55.3,3.3
903214,597908,40,41,B55.4,3.3
903189,598011,38,39,B55.5,3.3
903165,598108,36,37,B55.6,3.3
903142,598204,35,36,B55.7,3.3
903120,598295,34.8,35.8,B55.8,3.3
903097,598394,34.7,35.7,B55.9,3.3
B14 - 5Ft Property Wall St 672 to 674,17,2,0,0,
903298,597737,48,48,B14.1,0.0
903289,597777,44,44,B14.2,0.0
903286,597802,42,42,B14.3,0.0
903282,597838,44,44,B14.4,0.0
903273,597888,44,44,B14.5,0.0
903266,597931,44,44,B14.6,0.0
B15 - 6Ft Property Wall St 672 to 674,18,2,0,0,
903369,597932,44,45.9,B15.1,6.2
903369,597902,44,45.9,B15.2,6.2
903369,597819,44,45.9,B15.3,6.2
903370,597743,44,45.9,B15.4,6.2
903370,597733,44,45.9,B15.5,6.2
903370,597733,44,45.9,B15.6,6.2

B101 - SB Building Near R3b Sta 671,19,2,0,0,
903187,597596,56.6,63.9,B101.1,24.0
903220,597596,54.3,61.6,B101.2,24.0
B30 - SB Private Property ST 667 to 672,20,2,0,0,
903238,597329,50.5,50.5,B30.1,0.0
903239,597405,52,52,B30.2,0.0
903242,597467,53.5,53.5,B30.3,0.0
903242,597467,53.5,57.8,B30.3,14.0
903243,597525,53.5,57.8,B30.4,14.0
903245,597579,52,56.3,B30.5,14.0
903249,597610,51,55.3,B30.6,14.0
R,1,67,4
903219,597360,54.2,R10.1
R,2,67,4
903200,597451,57.2,R10.2
R,3,67,4
903228,597540,55.7,R10.3
R,4,67,4
903205,597539,57,R10.3B
R,5,67,4
903223,597619,56.7,R10.3A
R,6,67,4
903215,597649,56.8,R10.4
R,7,67,4
903184,597697,56.7,R10.4A
R,8,67,4
903179,597780,54.2,R10.5
R,9,67,4
903154,597878,54.2,R10.6/ST10.4
R,10,67,4
903093,598048,54.5,R10.7
R,11,67,4
903050,598125,52.8,R10.8
R,12,67,4
903011,598149,51.5,R10.9
D,4.5
ALL,1
ALL,2
ALL,3
ALL,4
ALL,8
ALL,9
ALL,10
ALL,11
ALL,12
K,-5
ALL,4
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
10 SANTA FE 2 ENCINITAS BUILD - WEST,DGN,FT

1

BARRIER DATA
****

BAR	BARRIER HEIGHTS								BAR	
ELE	0	1	2	3	4	5	6	7	ID	LENGTH TYPE
1	-	3.*							B54.1	342.3
2	-	3.*							B54.2	374.5
3	-	3.*							B54.3	318.8
4	-	3.*							B54.4	330.5
5	-	3.*							B54.5	328.9
6	-	3.*							B54.6	318.8
7	-	3.*							B54.7	339.1
8	-	3.*							B54.8	336.5
9	-	3.*							B54.9	247.1
10	-	16.*							B11.1	82.0
11	-	21.*							B11.1A	9.2
12	-	25.*							B11.1A	187.5
13	-	25.*							B12.1	182.2
14	-	25.*							B12.2	224.4
15	-	25.*							B12.3	162.1
16	-	16.*							B13.1	148.9
17	-	8.*							B13.2	16.5
18	-	0.*							B13.2	36.3
19	-	25.*							B2.1	252.7
20	-	25.*							B2.2	160.9
21	-	0.*							B1.1	230.4
22	-	0.*							B1.2	104.3
23	-	0.*							B1.3	202.6
24	-	0.*							B1.4	369.8
25	-	0.*							B1.5	351.2
26	-	0.*							B1.6	225.1
27	-	14.*							B1.7	110.7
28	-	13.*							B1.8	2.0
29	-	12.*							B1.8	117.5
30	-	12.*							B1.9	148.8
31	-	0.*							B6.1	198.3
32	-	0.*							B6.2	152.2
33	-	0.*							B6.3	382.1
34	-	0.*							B6.4	257.0
35	-	0.*							B6.5	326.2

36	-	0.*	B6.6	240.8
37	-	0.*	B6.7	296.1
38	-	0.*	B6.8	41.0
39	-	0.*	B6.9	321.5
40	-	0.*	B9.1	193.9
41	-	0.*	B9.2	16.4
42	-	0.*	B3.1	44.7
43	-	4.*	B3.2	7.9
44	-	8.*	B3.2	223.2
45	-	8.*	B3.4	172.2
46	-	8.*	B3.5	255.4
47	-	8.*	B3.6	168.5
48	-	8.*	B3.7	198.2
49	-	8.*	B3.8	307.9
50	-	9.*	B3.9	2.0
51	-	10.*	B3.9	101.6
52	-	5.*	B4.1	9.9
53	-	0.*	B4.1	103.7
54	-	0.*	B4.1	72.9
55	-	0.*	B4.2	135.5
56	-	12.*	B10.1	23.9
57	-	12.*	B10.2	92.8
58	-	12.*	B10.3	84.1
59	-	12.*	B10.4	148.7
60	-	0.*	B7.1	309.7
61	-	0.*	B7.2	321.6
62	-	0.*	B7.3	267.5
63	-	3.*	B55.1	339.8
64	-	3.*	B55.2	300.9
65	-	3.*	B55.3	320.8
66	-	3.*	B55.4	347.8
67	-	3.*	B55.5	328.0
68	-	3.*	B55.6	323.8
69	-	3.*	B55.7	307.2
70	-	3.*	B55.8	333.4
71	-	0.*	B14.1	135.1
72	-	0.*	B14.2	83.0
73	-	0.*	B14.3	119.0
74	-	0.*	B14.4	166.6
75	-	0.*	B14.5	143.0
76	-	6.*	B15.1	98.5
77	-	6.*	B15.2	272.3
78	-	6.*	B15.3	249.3
79	-	6.*	B15.4	32.8
80	-	6.*	B15.5	.0
81	-	24.*	B101.1	108.6

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82    -  0.*                        B30.1     249.5
83    -  0.*                        B30.2     203.7
84    -  7.*                        B30.3      14.1
85    - 14.*                         B30.3     190.3
86    - 14.*                         B30.4     177.3
87    - 14.*                         B30.5     102.6
--------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
-------------------------------
 1  R10.1     67.    500.   69.9
 2  R10.2     67.    500.   69.2
 3  R10.3     67.    500.   67.6
 4  R10.3B    67.    500.   62.5
 5  R10.3A    67.    500.   71.8
 6  R10.4     67.    500.   71.5
 7  R10.4A    67.    500.   68.9
 8  R10.5     67.    500.   68.9
 9  R10.6/ST  67.    500.   70.1
10  R10.7     67.    500.   67.8
11  R10.8     67.    500.   68.3
12  R10.9     67.    500.   69.8
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 3. 3. 3. 3. 3. 3. 3. 3. 3.16.21.25.25.25.25.16. 8. 0.25.25. 0. 0. 0. 0. 0.
 0.14.13.12.12. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 4. 8. 8. 8. 8. 8. 8. 9.
10. 5. 0. 0. 0.12.12.12.12. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0.
 6. 6. 6. 6. 6.24. 0. 0. 7.14.14.14.
```

10 Santa Fe 2 Encinitas Build East,BLD,Ft
T-L29 - NB Santa Fe Off-Ramp,1,
950,45,24,45,26,45,
T-L6 - SB General Lanes - Outer,2,
3052,65,122,65,426,65,
T-L30 - SB Santa Fe On-Ramp,3,
950,45,24,45,26,45,
T-L16 - SB General Lanes - Inner,4,
5217,65,183,65,0,65,
T-L56 - SB Futue HOV Lanes,5,
3000,65,0,65,0,65,
T-L55 - NB Future HOV Lanes,6,
3000,65,0,65,0,65,
T-L15 - NB General Lanes - Inner,7,
5217,65,183,65,0,65,
T-L5 - NB General Lanes - Outer,8,
3052,65,122,65,426,65
T-L32 - SB Santa Fe Off-Ramp,9
665,45,17,45,18,45
T-L31 - NB Santa Fe On-Ramp,10
760,45,19,45,21,45
T-L80 - SB General Lanes - Outer,11
4764,65,168,65,468,65
T-L8 - SB General Lanes - Outer,12
3052,65,122,65,426,65
T-L18 - SB General Lanes - Inner,13
5217,65,183,65,0,65
T-L58 - SB Future HOV Lanes,14
3000,65,0,65,0,65
T-L57- NB Future HOV Lanes,15
3000,65,0,65,0,65
T-L17 - NB General Lanes - Inner,16
5217,65,183,65,0,65
T-L7 - NB General Lanes - Outer,17
3052,65,122,65,426,65
T-L33 - NB Encinitas Off-Ramp,18
760,45,19,45,21,45
T-L34 - SB Encinitas On-Ramp,19
760,45,19,45,21,45
T-L35 - NB Encinitas On-Ramp,20
950,45,24,45,26,45
T-L36 - SB Encinitas Off-Ramp,21
903,45,23,45,25,45
T-L2 - SB General Lanes - Outer,22
3052,65,122,65,426,65
T-L12 - SB General Lanes - Inner,23
5217,65,183,65,0,65
T-L52 - SB Future HOV Lanes,24
3000,65,0,65,0,65
T-L51 - NB Future HOV Lanes,25
3000,65,0,65,0,65
T-L11 - NB General Lanes - Inner,26
5217,65,183,65,0,65
T-L1 - NB General Lanes - Outer,27
3052,65,122,65,426,65
L29 - NB Santa Fe Off-Ramp,1

N,903918,596490,60,L29.1,
N,903897,596536,63.8,L29.2,
N,903868,596591,64.3,L29.3,
N,903851,596626,63.9,L29.4,
N,903818,596698,63.4,L29.5,
N,903795,596753,62.2,L29.6,
N,903768,596807,60,L29.7,
N,903742,596863,58.2,L29.8,
N,903740,596882,58.1,L29.9
L6 - SB General Lanes - Outer,2,
N,903871,596461,64,L6.5
N,903822,596552,64.4,L6.6
N,903772,596642,64.2,L6.7
N,903734,596712,63.8,L6.8
N,903676,596815,62.8,L6.9
N,903624,596906,61.3,L6.10
N,903569,597007,59.3,L6.11
N,903522,597091,57.3,L6.12
N,903473,597179,55.3,L6.13
N,903424,597270,53.3,L6.14
N,903378,597352,51.3,L6.15
L30 - SB Santa Fe On-Ramp,3,
N,903920,596374,63.3,L30.1
N,903876,596445,63.8,L30.2
N,903841,596506,63.9,L30.3
N,903801,596575,63.4,L30.4
N,903770,596626,63.8,L30.5
N,903748,596659,63.5,L30.6
N,903726,596693,62.8,L30.7
N,903703,596726,61.3,L30.8
N,903670,596776,58.3,L30.9
N,903635,596824,55.5,L30.10
N,903610,596855,54.2,L30.11
N,903569,596899,53.5,L30.12
L16 - SB General Lanes - Inner,4,
N,903880,596466,64,L16.5
N,903830,596556,64.4,L16.6
N,903779,596646,64.2,L16.7
N,903742,596716,63.8,L16.8
N,903684,596820,62.8,L16.9
N,903632,596911,61.3,L16.10
N,903576,597012,59.3,L16.11
N,903531,597096,57.3,L16.12
N,903481,597185,55.3,L16.13
N,903431,597273,53.3,L16.14
N,903386,597358,51.3,L16.15
L56 - SB HOV Lanes,5,
N,903888,596471,64.2,L56.5
N,903838,596560,64.6,L56.6
N,903789,596651,64.4,L56.7
N,903749,596721,64,L56.8
N,903693,596825,63,L56.9
N,903641,596917,61.5,L56.10
N,903584,597017,59.5,L56.11
N,903538,597101,57.5,L56.12
N,903489,597191,55.5,L56.13

N,903440,597278,53.5,L56.14
N,903394,597363,51.5,L56.15
L55 - NB HOV Lanes,6,
N,903903,596478,64.2,L55.5
N,903852,596570,64.6,L55.6
N,903803,596659,64.4,L55.7
N,903764,596731,64,L55.8
N,903707,596835,63,L55.9
N,903655,596925,61.5,L55.10
N,903599,597024,59.5,L55.11
N,903553,597110,57.5,L55.12
N,903504,597198,55.5,L55.13
N,903456,597285,53.5,L55.14
N,903407,597372,51.5,L55.15
L15 - NB General Lanes - Inner,7,
N,903910,596484,64,L15.5
N,903860,596575,64.4,L15.6
N,903811,596664,64.2,L15.7
N,903773,596736,63.7,L15.8
N,903715,596839,62.8,L15.9
N,903664,596931,61.3,L15.10
N,903609,597030,59.3,L15.11
N,903563,597113,57.3,L15.12
N,903513,597203,55.3,L15.13
N,903465,597290,53.3,L15.14
N,903417,597376,51.3,L15.15
L5 - NB General Lanes - Outer,8,
N,904118,596127,58.3,L5.1
N,904082,596193,59.8,L5.2
N,904026,596295,61.8,L5.3
N,903965,596405,63.3,L5.4
N,903918,596490,64,L5.5
N,903868,596580,64.4,L5.6
N,903819,596670,64.2,L5.7
N,903780,596741,63.7,L5.8
N,903723,596844,62.8,L5.9
N,903671,596936,61.3,L5.10
N,903616,597034,59.3,L5.11
N,903570,597118,57.3,L5.12
N,903520,597208,55.3,L5.13
N,903473,597294,53.3,L5.14
N,903425,597381,51.3,L5.15
L32 - SB Santa Fe Off-Ramp,9,
N,903579,596933,53.5,L32.1
N,903578,596956,53.6,L32.2
N,903548,597007,54.3,L32.3
N,903519,597060,55.1,L32.4
N,903493,597114,55.5,L32.5
N,903460,597187,54.6,L32.6
N,903436,597238,53.8,L32.7
N,903406,597291,52.6,L32.8
N,903376,597351,51.3,L32.9
L31 - NB Santa Fe On-Ramp,10,
N,903694,596928,55.4,L31.1
N,903677,596964,55.3,L31.2
N,903648,597017,56.7,L31.3

N,903609,597088,57.2,L31.4
N,903578,597138,56.1,L31.5
N,903544,597188,55.4,L31.6
N,903513,597239,54.3,L31.7
N,903482,597291,53.1,L31.8
N,903451,597341,52,L31.9
N,903412,597410,51,L31.10
N,903379,597466,49.2,L31.11
L80 - SB General Lanes - Outer,11,
N,903376,597351,51.3,L80.2
N,903323,597451,49.7,L80.3
N,903281,597548,47.7,L80.4
N,903256,597618,46.3,L80.5
N,903229,597720,44.2,L80.6
N,903209,597801,41.9,L80.7
L8 - SB General Lanes - Outer,12,
N,903212,597802,41.9,L8.6
N,903188,597899,39.8,L8.7
N,903164,598000,37.5,L8.8
N,903140,598101,35.8,L8.9
N,903115,598196,35,L8.10
N,903093,598288,34.6,L8.11
N,903071,598385,34.6,L8.12
L18 - SB General Lanes - Inner,13,
N,903386,597358,51.3,L18.1
N,903333,597456,49.7,L18.2
N,903292,597551,47.7,L18.3
N,903267,597621,46.3,L18.4
N,903240,597722,44.2,L18.5
N,903220,597804,41.9,L18.6
N,903197,597901,39.8,L18.7
N,903172,598002,37.5,L18.8
N,903148,598104,35.8,L18.9
N,903125,598198,35,L18.10
N,903103,598290,34.6,L18.11
N,903079,598388,34.6,L18.12
L58 - SB HOV Lanes,14,
N,903394,597363,51.5,L58.1
N,903344,597459,49.5,L58.2
N,903302,597553,47.5,L58.3
N,903277,597623,46,L58.4
N,903250,597723,43.8,L58.5
N,903230,597807,42,L58.6
N,903206,597902,40,L58.7
N,903181,598006,38,L58.8
N,903157,598106,36,L58.9
N,903134,598200,35,L58.10
N,903112,598294,34.8,L58.11
N,903089,598391,34.7,L58.12
L57- NB HOV Lanes,15,
N,903407,597372,51.5,L57.1
N,903361,597459,49.5,L57.2
N,903320,597551,47.5,L57.3
N,903294,597623,46,L57.4
N,903267,597723,43.8,L57.5
N,903244,597819,42,L57.6

N,903220,597913,40,L57.7
N,903197,598013,38,L57.8
N,903173,598110,36,L57.9
N,903151,598204,35,L57.10
N,903129,598299,34.8,L57.11
N,903105,598395,34.7,L57.12
L17 - NB General Lanes - Inner,16,
N,903417,597376,51.3,L17.1
N,903371,597463,49.2,L17.2
N,903330,597554,47.2,L17.3
N,903305,597625,45.7,L17.4
N,903278,597724,43.7,L17.5
N,903254,597820,41.8,L17.6
N,903231,597916,39.8,L17.7
N,903207,598015,37.8,L17.8
N,903184,598111,35.8,L17.9
N,903161,598206,34.8,L17.10
N,903138,598301,34.6,L17.11
N,903114,598397,34.6,L17.12
L7 - NB General Lanes - Outer,17,
N,903425,597381,51.3,L7.1
N,903379,597466,49.2,L7.2
N,903338,597557,47.2,L7.3
N,903313,597628,45.7,L7.4
N,903285,597724,43.7,L7.5
N,903263,597823,41.8,L7.6
N,903239,597918,39.8,L7.7
N,903216,598017,37.8,L7.8
N,903192,598113,35.8,L7.9
N,903169,598208,34.8,L7.10
N,903146,598304,34.6,L7.11
N,903123,598401,34.6,L7.12
L33 - NB Encinitas Off-Ramp,18,
N,903263,597823,41.8,L33.1
N,903244,597913,39.6,L33.2
N,903230,598013,37.4,L33.3
N,903219,598093,35.2,L33.4
N,903218,598172,32.3,L33.5
N,903219,598246,31,L33.6
L34 - SB Encinitas On-Ramp,19,
N,903209,597801,41.9,L34.1
N,903192,597860,40.8,L34.2
N,903177,597920,39.1,L34.3
N,903155,597995,37.5,L34.4
N,903130,598070,35.7,L34.5
N,903105,598124,34.1,L34.6
N,903075,598176,29.9,L34.7
N,903043,598228,27.2,L34.8
N,903036,598248,26.5,L34.9
N,903030,598267,26.1,L34.10
L35 - NB Encinitas On-Ramp,20,
N,903220,598264,31.1,L35.1
N,903217,598284,31.2,L35.2
N,903210,598305,31.4,L35.3
N,903179,598357,32.2,L35.4
N,903149,598408,33.3,L35.5

N,903125,598463,33.7,L35.6
N,903106,598519,34,L35.7
N,903088,598576,34.3,L35.8
N,903068,598653,35.2,L35.9
N,903053,598711,36.2,L35.10
N,903033,598771,36.9,L35.11
L36 - SB Encinitas Off-Ramp,21,
N,903028,598283,26,L36.1
N,903029,598340,25.9,L36.2
N,903027,598401,28.1,L36.3
N,903026,598459,30.9,L36.4
N,903025,598499,32.2,L36.5
N,903016,598558,34.3,L36.6
N,903006,598618,35,L36.7
N,903001,598657,35.9,L36.8
N,902992,598697,36.1,L36.9
N,902980,598753,36.8,L36.10
L2 - SB General Lanes - Outer,22,
N,903070,598385,34.6,L2.1
N,903048,598474,34.3,L2.2
N,903031,598544,34.7,L2.3
N,903007,598641,35.6,L2.4
N,902980,598753,36.8,L2.5
L12 - SB General Lanes - Inner,23,
N,903079,598388,34.6,L12.1
N,903056,598475,34.3,L12.2
N,903040,598546,34.7,L12.3
N,903016,598644,35.6,L12.4
N,902990,598756,36.8,L12.5
L52 - SB HOV Lanes,24,
N,903089,598391,34.7,L52.1
N,903067,598479,34.4,L52.2
N,903050,598548,34.7,L52.3
N,903025,598646,35.7,L52.4
N,902998,598759,37,L52.5
L51 - NB HOV Lanes,25,
N,903105,598396,34.7,L51.1
N,903083,598484,34.4,L51.2
N,903066,598553,34.7,L51.3
N,903041,598651,35.7,L51.4
N,903014,598766,37,L51.5
L11 - NB General Lanes - Inner,26,
N,903113,598398,34.6,L11.1
N,903092,598486,34.3,L11.2
N,903075,598555,34.7,L11.3
N,903052,598653,35.6,L11.4
N,903023,598768,36.9,L11.5
L1 - NB General Lanes - Outer,27,
N,903122,598401,34.6,L1.1
N,903102,598489,34.3,L1.2
N,903084,598558,34.7,L1.3
N,903059,598656,35.6,L1.4
N,903033,598771,36.9,L1.5
B8 - NB Shoulder ST 660 to 665,1,2,0,0
903808,596705,63.8,63.8,B8.1
903786,596746,63.5,63.5,B8.2

903729,596848,62.5,62.5,B8.3,
903710,596884,62,62,B8.4,
903677,596940,60.5,60.5,B8.5,
903648,596994,59.5,59.5,B8.6,
903622,597039,59.2,59.2,B8.7,
903589,597100,57.3,57.3,B8.8,
B54 - Center Divider,2,2,0,0,
903698,596831,63,64,B54.1,
903647,596922,61.5,62.5,B54.2,
903592,597022,59.5,60.5,B54.3,
903545,597107,57.5,58.5,B54.4,
903496,597195,55.5,56.5,B54.5,
903448,597283,53.5,54.5,B54.6,
903401,597368,51.5,52.5,B54.7,
903352,597459,49.5,50.5,B54.8,
903311,597553,47.5,48.5,B54.9,
903286,597624,46,47,B54.10,
B5 - NB ROW ST 663 to 667,3,2,0,0,
903699,596954,56,56,B5.1,
903667,597000,56.5,56.5,B5.2,
903648,597033,58.1,58.1,B5.3,
903636,597050,58,58,B5.4,
903633,597074,58,58,B5.5,
903600,597126,57.7,57.7,B5.6,
903574,597169,57,57,B5.7,
903542,597221,56,56,B5.8,
903524,597252,54.5,54.5,B5.9,
903503,597293,50,50,B5.10,
B11 - Building NB Side ST 666,4,2,0,0,
903561,597205,56,61,B11.1,
903581,597220,56,61,B11.1A,
903581,597220,56,63.8,B11.1A,
903629,597251,56.2,63.8,B11.2,
B12 - Building NB Side ST 667,5,2,0,0,
903566,597348,54.3,61.9,B12.1,
903515,597326,54.5,62.1,B12.2,
903473,597380,54,61.6,B12.3,
903515,597406,54.3,61.9,B12.4,
B13 - Building/Nat Bar NB Side ST 669,6,2,0,0,
903502,597515,54,59,B13.1,
903457,597509,55,60,B13.2,
903457,597509,55,55,B13.2,
903448,597513,50,50,B13.3,
B2 - Building SB Side ST 668,7,2,0,0,
903368,597309,49.3,56.9,B2.1,
903291,597309,49.3,56.9,B2.2,
903277,597262,49.3,56.9,B2.3,
B1 - SB Shoulder to ROW ST 667 to 672,8,2,0,0,
903447,597204,54.3,54.3,B1.1,
903416,597267,53.3,53.3,B1.2,
903401,597295,52.6,52.6,B1.3,
903371,597349,51.3,51.3,B1.4,
903319,597449,49.7,49.7,B1.5,
903276,597547,47.7,47.7,B1.6,
903249,597610,51,51,B1.7,
903242,597643,51.3,51.3,B1.8,

903226,597675,52.6,52.6,B1.9,
903215,597719,53.4,53.4,B1.10,
B6 - NB ROW to Shoulder ST 667 to 673,9,2,0,0,
903503,597293,50,50,B6.1,
903474,597346,52,52,B6.2,
903480,597300,53.3,53.3,B6.3,
903480,597300,53.3,54.2,B6.3,
903422,597401,51.3,52.2,B6.4,
903385,597470,49.2,50.1,B6.5,
903345,597561,47.2,48.1,B6.6,
903320,597630,45.7,46.6,B6.7,
903302,597697,44.2,45.1,B106.2,
B6 - NB ROW to Shoulder ST 667 to 673,10,2,0,0,
903302,597697,44.2,44.2,B106.2,
903296,597717,45.7,45.7,B6.8,
903293,597729,43.7,43.7,B6.9,
903269,597824,41.8,41.8,B6.10,
B9 - Nat Bar NB Side along Requeza ST 672,11,2,0,0,
903360,597716,46,46,B9.1,
903301,597717,49.5,49.5,B9.2,
903296,597717,49.7,49.7,B9.3,
B3 - SB ROW ST 672 to 676,12,2,0,0,
903215,597719,53.4,53.4,B3.1,
903211,597732,53.4,53.4,B3.2,
903188,597796,52,52,B3.4,
903172,597846,51.7,51.7,B3.5,
903145,597919,53,53,B3.6,
903139,597970,52,52,B3.7,
B3 - SB ROW ST 672 to 676,13,2,0,0,
903139,597970,52,52,B3.7,
903119,598027,52,52,B3.8,
903064,598103,54.3,54.3,B3.9,
903047,598162,43,43,B3.10,
B4 - Nat Bar SB Side ST 677,14,2,0,0,
903054,598132,50,50,B4.1,
903041,598150,50,50,B4.2,
903000,598155,50,50,B4.3,
B10 - Building NB Side ST 675,15,2,0,0,
903286,597996,34.7,38.4,B10.1,
903293,597998,34.7,38.4,B10.2,
903289,598026,34.5,38.2,B10.3,
903298,598050,34.2,37.9,B10.4,
903315,598092,34.2,37.9,B10.5,
B7 - NB Shoulder ST 673 to 676,16,2,0,0,
903269,597824,41.8,41.8,B7.1,
903248,597916,39.6,39.6,B7.2,
903234,598013,37.5,37.5,B7.3,
903225,598094,35.2,35.2,B7.4,
B55 - Center Divider,17,2,0,0,
903286,597624,46,47,B55.1,
903259,597724,44,45,B55.2,
903237,597813,42,43,B55.3,
903214,597908,40,41,B55.4,
903189,598011,38,39,B55.5,
903165,598108,36,37,B55.6,
903142,598204,35,36,B55.7,

903120,598295,34.8,35.8,B55.8,
903097,598394,34.7,35.7,B55.9,
B14 - 5Ft Property Wall St 672 to 674,18,2,0,0,
903298,597737,48,49.5,B14.1,
903289,597777,44,45.5,B14.2,
903286,597802,42,43.5,B14.3,
903282,597838,44,45.5,B14.4,
903273,597888,44,45.5,B14.5,
903266,597931,44,45.5,B14.6,
B15 - 6Ft Property Wall St 672 to 674,19,2,0,0,
903369,597932,44,45.9,B15.1,
903369,597902,44,45.9,B15.2,
903369,597819,44,45.9,B15.3,
903370,597743,44,45.9,B15.4,
903370,597733,44,45.9,B15.5,
903370,597733,44,45.9,B15.6,
B106 - NB Shoulder ST 667 to 667,20,2,0,0,
903508,597257,54,54.9,B106.1,
903480,597300,53.3,54.2,B6.3,
R,1,67,4
903753,597018,59.8,R10.10
R,2,67,4
903648,597060,59.7,R10.11
R,3,67,4
903642,597155,58.4,R10.12
R,4,67,4
903551,597255,57.3,R10.13
R,5,67,4
903485,597395,55.7,R10.14
R,6,67,4
903455,597524,51.2,R10.15
R,7,67,4
903469,597625,52,R10.16
R,8,67,4
903425,597648,49.8,R10.17
R,9,67,4
903383,597744,45.5,R10.18
R,10,67,4
903382,597821,45.5,R10.19
R,11,67,4
903376,597910,45.5,R10.19A
R,12,67,4
903351,597950,43,R10.20
D,4.5
ALL,1
ALL,3
ALL,5
ALL,7
ALL,8
ALL,9
ALL,10
ALL,11
ALL,12
K,-5
ALL,3
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
10 SANTA FE 2 ENCINITAS BUILD EAST,BLD,FT

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	- 0.*								B8.1	152.6	
2	- 0.*								B8.2	383.3	
3	- 0.*								B8.3	133.6	
4	- 0.*								B8.4	213.3	
5	- 0.*								B8.5	201.1	
6	- 0.*								B8.6	170.6	
7	- 0.*								B8.7	227.6	
8	- 3.*								B54.1	342.3	
9	- 3.*								B54.2	374.5	
10	- 3.*								B54.3	318.8	
11	- 3.*								B54.4	330.5	
12	- 3.*								B54.5	328.9	
13	- 3.*								B54.6	318.8	
14	- 3.*								B54.7	339.1	
15	- 3.*								B54.8	336.5	
16	- 3.*								B54.9	247.1	
17	- 0.*								B5.1	183.8	
18	- 0.*								B5.2	125.0	
19	- 0.*								B5.3	68.3	
20	- 0.*								B5.4	79.3	
21	- 0.*								B5.5	202.1	
22	- 0.*								B5.6	164.9	
23	- 0.*								B5.7	200.4	
24	- 0.*								B5.8	117.7	
25	- 0.*								B5.9	151.8	
26	- 16.*								B11.1	82.0	
27	- 21.*								B11.1A	9.2	
28	- 25.*								B11.1A	187.5	
29	- 25.*								B12.1	182.2	
30	- 25.*								B12.2	224.4	
31	- 25.*								B12.3	162.1	
32	- 16.*								B13.1	148.9	
33	- 8.*								B13.2	16.5	
34	- 0.*								B13.2	36.3	
35	- 25.*								B2.1	252.7	
36	- 25.*								B2.2	160.9	

37	-	0.*	B1.1	230.4
38	-	0.*	B1.2	104.3
39	-	0.*	B1.3	202.6
40	-	0.*	B1.4	369.8
41	-	0.*	B1.5	351.2
42	-	0.*	B1.6	225.1
43	-	0.*	B1.7	110.7
44	-	0.*	B1.8	117.5
45	-	0.*	B1.9	148.8
46	-	0.*	B6.1	198.4
47	-	0.*	B6.2	152.2
48	-	1.*	B6.3	2.9
49	-	3.*	B6.3	382.1
50	-	3.*	B6.4	257.0
51	-	3.*	B6.5	326.2
52	-	3.*	B6.6	240.7
53	-	3.*	B6.7	227.8
54	-	0.*	B106.2	68.6
55	-	0.*	B6.8	41.0
56	-	0.*	B6.9	321.5
57	-	0.*	B9.1	193.9
58	-	0.*	B9.2	16.4
59	-	0.*	B3.1	44.7
60	-	0.*	B3.2	223.2
61	-	0.*	B3.4	172.2
62	-	0.*	B3.5	255.4
63	-	0.*	B3.6	168.5
64	-	0.*	B3.7	198.2
65	-	0.*	B3.8	307.9
66	-	0.*	B3.9	204.9
67	-	0.*	B4.1	72.9
68	-	0.*	B4.2	135.5
69	-	12.*	B10.1	23.9
70	-	12.*	B10.2	92.8
71	-	12.*	B10.3	84.1
72	-	12.*	B10.4	148.7
73	-	0.*	B7.1	309.7
74	-	0.*	B7.2	321.6
75	-	0.*	B7.3	267.5
76	-	3.*	B55.1	339.8
77	-	3.*	B55.2	300.9
78	-	3.*	B55.3	320.8
79	-	3.*	B55.4	347.8
80	-	3.*	B55.5	328.0
81	-	3.*	B55.6	323.8
82	-	3.*	B55.7	307.2
83	-	3.*	B55.8	333.4

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84    -  5.*                      B14.1     135.1
85    -  5.*                      B14.2      83.0
86    -  5.*                      B14.3     119.0
87    -  5.*                      B14.4     166.6
88    -  5.*                      B14.5     143.0

89    -  6.*                      B15.1      98.5
90    -  6.*                      B15.2     272.3
91    -  6.*                      B15.3     249.3
92    -  6.*                      B15.4      32.8
93    -  6.*                      B15.5       .0

94    -  3.*                      B106.1    168.4
-------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
---------------------------------
 1  R10.10    67.    500.   71.1
 2  R10.11    67.    500.   77.3
 3  R10.12    67.    500.   67.7
 4  R10.13    67.    500.   76.5
 5  R10.14    67.    500.   72.5
 6  R10.15    67.    500.   73.5
 7  R10.16    67.    500.   69.8
 8  R10.17    67.    500.   71.3
 9  R10.18    67.    500.   70.6
10  R10.19    67.    500.   69.6
11  R10.19A   67.    500.   69.0
12  R10.20    67.    500.   70.0
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0.
16.21.25.25.25.25.16. 8. 0.25.25. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 1. 3. 3.
 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.12.12.12.12. 0. 0. 0.
 3. 3. 3. 3. 3. 3. 3. 3. 5. 5. 5. 5. 5. 6. 6. 6. 6. 6. 3.
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10 Santa Fe 2 Encinitas Build East,DGN,Ft
T-L29 - NB Santa Fe Off-Ramp,1,
950,45,24,45,26,45,
T-L6 - SB General Lanes - Outer,2,
3052,65,122,65,426,65,
T-L30 - SB Santa Fe On-Ramp,3,
950,45,24,45,26,45,
T-L16 - SB General Lanes - Inner,4,
5217,65,183,65,0,65,
T-L56 - SB Futue HOV Lanes,5,
3000,65,0,65,0,65,
T-L55 - NB Future HOV Lanes,6,
3000,65,0,65,0,65,
T-L15 - NB General Lanes - Inner,7,
5217,65,183,65,0,65,
T-L5 - NB General Lanes - Outer,8,
3052,65,122,65,426,65
T-L32 - SB Santa Fe Off-Ramp,9
665,45,17,45,18,45
T-L31 - NB Santa Fe On-Ramp,10
760,45,19,45,21,45
T-L80 - SB General Lanes - Outer,11
4764,65,168,65,468,65
T-L8 - SB General Lanes - Outer,12
3052,65,122,65,426,65
T-L18 - SB General Lanes - Inner,13
5217,65,183,65,0,65
T-L58 - SB Future HOV Lanes,14
3000,65,0,65,0,65
T-L57- NB Future HOV Lanes,15
3000,65,0,65,0,65
T-L17 - NB General Lanes - Inner,16
5217,65,183,65,0,65
T-L7 - NB General Lanes - Outer,17
3052,65,122,65,426,65
T-L33 - NB Encinitas Off-Ramp,18
760,45,19,45,21,45
T-L34 - SB Encinitas On-Ramp,19
760,45,19,45,21,45
T-L35 - NB Encinitas On-Ramp,20
950,45,24,45,26,45
T-L36 - SB Encinitas Off-Ramp,21
903,45,23,45,25,45
T-L2 - SB General Lanes - Outer,22
3052,65,122,65,426,65
T-L12 - SB General Lanes - Inner,23
5217,65,183,65,0,65
T-L52 - SB Future HOV Lanes,24
3000,65,0,65,0,65
T-L51 - NB Future HOV Lanes,25
3000,65,0,65,0,65
T-L11 - NB General Lanes - Inner,26
5217,65,183,65,0,65
T-L1 - NB General Lanes - Outer,27
3052,65,122,65,426,65
L29 - NB Santa Fe Off-Ramp,1

N,903918,596490,60,L29.1,
N,903897,596536,63.8,L29.2,
N,903868,596591,64.3,L29.3,
N,903851,596626,63.9,L29.4,
N,903818,596698,63.4,L29.5,
N,903795,596753,62.2,L29.6,
N,903768,596807,60,L29.7,
N,903742,596863,58.2,L29.8,
N,903740,596882,58.1,L29.9
L6 - SB General Lanes - Outer,2,
N,903871,596461,64,L6.5
N,903822,596552,64.4,L6.6
N,903772,596642,64.2,L6.7
N,903734,596712,63.8,L6.8
N,903676,596815,62.8,L6.9
N,903624,596906,61.3,L6.10
N,903569,597007,59.3,L6.11
N,903522,597091,57.3,L6.12
N,903473,597179,55.3,L6.13
N,903424,597270,53.3,L6.14
N,903378,597352,51.3,L6.15
L30 - SB Santa Fe On-Ramp,3,
N,903920,596374,63.3,L30.1
N,903876,596445,63.8,L30.2
N,903841,596506,63.9,L30.3
N,903801,596575,63.4,L30.4
N,903770,596626,63.8,L30.5
N,903748,596659,63.5,L30.6
N,903726,596693,62.8,L30.7
N,903703,596726,61.3,L30.8
N,903670,596776,58.3,L30.9
N,903635,596824,55.5,L30.10
N,903610,596855,54.2,L30.11
N,903569,596899,53.5,L30.12
L16 - SB General Lanes - Inner,4,
N,903880,596466,64,L16.5
N,903830,596556,64.4,L16.6
N,903779,596646,64.2,L16.7
N,903742,596716,63.8,L16.8
N,903684,596820,62.8,L16.9
N,903632,596911,61.3,L16.10
N,903576,597012,59.3,L16.11
N,903531,597096,57.3,L16.12
N,903481,597185,55.3,L16.13
N,903431,597273,53.3,L16.14
N,903386,597358,51.3,L16.15
L56 - SB HOV Lanes,5,
N,903888,596471,64.2,L56.5
N,903838,596560,64.6,L56.6
N,903789,596651,64.4,L56.7
N,903749,596721,64,L56.8
N,903693,596825,63,L56.9
N,903641,596917,61.5,L56.10
N,903584,597017,59.5,L56.11
N,903538,597101,57.5,L56.12
N,903489,597191,55.5,L56.13

N,903440,597278,53.5,L56.14
N,903394,597363,51.5,L56.15
L55 - NB HOV Lanes,6,
N,903903,596478,64.2,L55.5
N,903852,596570,64.6,L55.6
N,903803,596659,64.4,L55.7
N,903764,596731,64,L55.8
N,903707,596835,63,L55.9
N,903655,596925,61.5,L55.10
N,903599,597024,59.5,L55.11
N,903553,597110,57.5,L55.12
N,903504,597198,55.5,L55.13
N,903456,597285,53.5,L55.14
N,903407,597372,51.5,L55.15
L15 - NB General Lanes - Inner,7,
N,903910,596484,64,L15.5
N,903860,596575,64.4,L15.6
N,903811,596664,64.2,L15.7
N,903773,596736,63.7,L15.8
N,903715,596839,62.8,L15.9
N,903664,596931,61.3,L15.10
N,903609,597030,59.3,L15.11
N,903563,597113,57.3,L15.12
N,903513,597203,55.3,L15.13
N,903465,597290,53.3,L15.14
N,903417,597376,51.3,L15.15
L5 - NB General Lanes - Outer,8,
N,904118,596127,58.3,L5.1
N,904082,596193,59.8,L5.2
N,904026,596295,61.8,L5.3
N,903965,596405,63.3,L5.4
N,903918,596490,64,L5.5
N,903868,596580,64.4,L5.6
N,903819,596670,64.2,L5.7
N,903780,596741,63.7,L5.8
N,903723,596844,62.8,L5.9
N,903671,596936,61.3,L5.10
N,903616,597034,59.3,L5.11
N,903570,597118,57.3,L5.12
N,903520,597208,55.3,L5.13
N,903473,597294,53.3,L5.14
N,903425,597381,51.3,L5.15
L32 - SB Santa Fe Off-Ramp,9,
N,903579,596933,53.5,L32.1
N,903578,596956,53.6,L32.2
N,903548,597007,54.3,L32.3
N,903519,597060,55.1,L32.4
N,903493,597114,55.5,L32.5
N,903460,597187,54.6,L32.6
N,903436,597238,53.8,L32.7
N,903406,597291,52.6,L32.8
N,903376,597351,51.3,L32.9
L31 - NB Santa Fe On-Ramp,10,
N,903694,596928,55.4,L31.1
N,903677,596964,55.3,L31.2
N,903648,597017,56.7,L31.3

N,903609,597088,57.2,L31.4
N,903578,597138,56.1,L31.5
N,903544,597188,55.4,L31.6
N,903513,597239,54.3,L31.7
N,903482,597291,53.1,L31.8
N,903451,597341,52,L31.9
N,903412,597410,51,L31.10
N,903379,597466,49.2,L31.11
L80 - SB General Lanes - Outer,11,
N,903376,597351,51.3,L80.2
N,903323,597451,49.7,L80.3
N,903281,597548,47.7,L80.4
N,903256,597618,46.3,L80.5
N,903229,597720,44.2,L80.6
N,903209,597801,41.9,L80.7
L8 - SB General Lanes - Outer,12,
N,903212,597802,41.9,L8.6
N,903188,597899,39.8,L8.7
N,903164,598000,37.5,L8.8
N,903140,598101,35.8,L8.9
N,903115,598196,35,L8.10
N,903093,598288,34.6,L8.11
N,903071,598385,34.6,L8.12
L18 - SB General Lanes - Inner,13,
N,903386,597358,51.3,L18.1
N,903333,597456,49.7,L18.2
N,903292,597551,47.7,L18.3
N,903267,597621,46.3,L18.4
N,903240,597722,44.2,L18.5
N,903220,597804,41.9,L18.6
N,903197,597901,39.8,L18.7
N,903172,598002,37.5,L18.8
N,903148,598104,35.8,L18.9
N,903125,598198,35,L18.10
N,903103,598290,34.6,L18.11
N,903079,598388,34.6,L18.12
L58 - SB HOV Lanes,14,
N,903394,597363,51.5,L58.1
N,903344,597459,49.5,L58.2
N,903302,597553,47.5,L58.3
N,903277,597623,46,L58.4
N,903250,597723,43.8,L58.5
N,903230,597807,42,L58.6
N,903206,597902,40,L58.7
N,903181,598006,38,L58.8
N,903157,598106,36,L58.9
N,903134,598200,35,L58.10
N,903112,598294,34.8,L58.11
N,903089,598391,34.7,L58.12
L57- NB HOV Lanes,15,
N,903407,597372,51.5,L57.1
N,903361,597459,49.5,L57.2
N,903320,597551,47.5,L57.3
N,903294,597623,46,L57.4
N,903267,597723,43.8,L57.5
N,903244,597819,42,L57.6

N,903220,597913,40,L57.7
N,903197,598013,38,L57.8
N,903173,598110,36,L57.9
N,903151,598204,35,L57.10
N,903129,598299,34.8,L57.11
N,903105,598395,34.7,L57.12
L17 - NB General Lanes - Inner,16,
N,903417,597376,51.3,L17.1
N,903371,597463,49.2,L17.2
N,903330,597554,47.2,L17.3
N,903305,597625,45.7,L17.4
N,903278,597724,43.7,L17.5
N,903254,597820,41.8,L17.6
N,903231,597916,39.8,L17.7
N,903207,598015,37.8,L17.8
N,903184,598111,35.8,L17.9
N,903161,598206,34.8,L17.10
N,903138,598301,34.6,L17.11
N,903114,598397,34.6,L17.12
L7 - NB General Lanes - Outer,17,
N,903425,597381,51.3,L7.1
N,903379,597466,49.2,L7.2
N,903338,597557,47.2,L7.3
N,903313,597628,45.7,L7.4
N,903285,597724,43.7,L7.5
N,903263,597823,41.8,L7.6
N,903239,597918,39.8,L7.7
N,903216,598017,37.8,L7.8
N,903192,598113,35.8,L7.9
N,903169,598208,34.8,L7.10
N,903146,598304,34.6,L7.11
N,903123,598401,34.6,L7.12
L33 - NB Encinitas Off-Ramp,18,
N,903263,597823,41.8,L33.1
N,903244,597913,39.6,L33.2
N,903230,598013,37.4,L33.3
N,903219,598093,35.2,L33.4
N,903218,598172,32.3,L33.5
N,903219,598246,31,L33.6
L34 - SB Encinitas On-Ramp,19,
N,903209,597801,41.9,L34.1
N,903192,597860,40.8,L34.2
N,903177,597920,39.1,L34.3
N,903155,597995,37.5,L34.4
N,903130,598070,35.7,L34.5
N,903105,598124,34.1,L34.6
N,903075,598176,29.9,L34.7
N,903043,598228,27.2,L34.8
N,903036,598248,26.5,L34.9
N,903030,598267,26.1,L34.10
L35 - NB Encinitas On-Ramp,20,
N,903220,598264,31.1,L35.1
N,903217,598284,31.2,L35.2
N,903210,598305,31.4,L35.3
N,903179,598357,32.2,L35.4
N,903149,598408,33.3,L35.5

N,903125,598463,33.7,L35.6
N,903106,598519,34,L35.7
N,903088,598576,34.3,L35.8
N,903068,598653,35.2,L35.9
N,903053,598711,36.2,L35.10
N,903033,598771,36.9,L35.11
L36 - SB Encinitas Off-Ramp,21,
N,903028,598283,26,L36.1
N,903029,598340,25.9,L36.2
N,903027,598401,28.1,L36.3
N,903026,598459,30.9,L36.4
N,903025,598499,32.2,L36.5
N,903016,598558,34.3,L36.6
N,903006,598618,35,L36.7
N,903001,598657,35.9,L36.8
N,902992,598697,36.1,L36.9
N,902980,598753,36.8,L36.10
L2 - SB General Lanes - Outer,22,
N,903070,598385,34.6,L2.1
N,903048,598474,34.3,L2.2
N,903031,598544,34.7,L2.3
N,903007,598641,35.6,L2.4
N,902980,598753,36.8,L2.5
L12 - SB General Lanes - Inner,23,
N,903079,598388,34.6,L12.1
N,903056,598475,34.3,L12.2
N,903040,598546,34.7,L12.3
N,903016,598644,35.6,L12.4
N,902990,598756,36.8,L12.5
L52 - SB HOV Lanes,24,
N,903089,598391,34.7,L52.1
N,903067,598479,34.4,L52.2
N,903050,598548,34.7,L52.3
N,903025,598646,35.7,L52.4
N,902998,598759,37,L52.5
L51 - NB HOV Lanes,25,
N,903105,598396,34.7,L51.1
N,903083,598484,34.4,L51.2
N,903066,598553,34.7,L51.3
N,903041,598651,35.7,L51.4
N,903014,598766,37,L51.5
L11 - NB General Lanes - Inner,26,
N,903113,598398,34.6,L11.1
N,903092,598486,34.3,L11.2
N,903075,598555,34.7,L11.3
N,903052,598653,35.6,L11.4
N,903023,598768,36.9,L11.5
L1 - NB General Lanes - Outer,27,
N,903122,598401,34.6,L1.1
N,903102,598489,34.3,L1.2
N,903084,598558,34.7,L1.3
N,903059,598656,35.6,L1.4
N,903033,598771,36.9,L1.5
B8 - NB Shoulder ST 660 to 665,1,2,0,0
903808,596705,63.8,63.8,B8.1
903786,596746,63.5,63.5,B8.2

903729,596848,62.5,62.5,B8.3,
903710,596884,62,62,B8.4,
903677,596940,60.5,60.5,B8.5,
903648,596994,59.5,59.5,B8.6,
903622,597039,59.2,59.2,B8.7,
903589,597100,57.3,57.3,B8.8,
B54 - Center Divider,2,2,0,0,
903698,596831,63,64,B54.1,
903647,596922,61.5,62.5,B54.2,
903592,597022,59.5,60.5,B54.3,
903545,597107,57.5,58.5,B54.4,
903496,597195,55.5,56.5,B54.5,
903448,597283,53.5,54.5,B54.6,
903401,597368,51.5,52.5,B54.7,
903352,597459,49.5,50.5,B54.8,
903311,597553,47.5,48.5,B54.9,
903286,597624,46,47,B54.10,
B5 - NB ROW ST 663 to 667,3,2,0,0,
903699,596954,56,56,B5.1,
903667,597000,56.5,56.5,B5.2,
903733,596957,57,57,B5.3A,
903693,596995,57,57,B5.3B,
B5 - NB ROW ST 663 to 667,4,2,0,0,
903693,596995,57,61.3,B5.3B,
903648,597033,58.1,62.4,B5.3,
903636,597050,58,62.3,B5.4,
903633,597074,58,62.3,B5.5,
903600,597126,57.7,62.0,B5.6,
903574,597169,57,61.3,B5.7,
903574,597169,57,60.7,B5.7,
903542,597221,56,59.7,B5.8,
903524,597252,54.5,58.2,B5.9,
903503,597293,50,53.7,B5.10,
B11 - Building NB Side ST 666,5,2,0,0,
903561,597205,56,61,B11.1,
903581,597220,56,61,B11.1A,
903581,597220,56,63.8,B11.1A,
903629,597251,56.2,63.8,B11.2,
B12 - Building NB Side ST 667,6,2,0,0,
903566,597348,54.3,61.9,B12.1,
903515,597326,54.5,62.1,B12.2,
903473,597380,54,61.6,B12.3,
903515,597406,54.3,61.9,B12.4,
B13 - Building/Nat Bar NB Side ST 669,7,2,0,0,
903502,597515,54,59,B13.1,
903457,597509,55,60,B13.2,
903457,597509,55,55,B13.2,
903448,597513,50,50,B13.3,
B6 - NB ROW to Shoulder ST 667 to 673,8,2,0,0,
903503,597293,50,53.7,B6.1,
903493,597312,49.5,53.2,B6.1A,
903493,597312,49.5,49.5,B6.1A,
903474,597346,52,52,B6.2,
903480,597300,53.3,53.3,B6.3,
903480,597300,53.3,58.2,B6.3,
903422,597401,51.3,56.2,B6.4,

903422,597401,51.3,55.6,B6.4,
903385,597470,49.2,53.5,B6.5,
903345,597561,47.2,51.5,B6.6,
903320,597630,45.7,50.0,B6.7,
B6 - NB ROW to Shoulder ST 667 to 673,9,2,0,0,
903320,597630,45.7,46.6,B6.7,
903302,597697,44.2,45.1,B106.2,
903302,597697,44.2,44.2,B106.2,
903296,597717,45.7,45.7,B6.8
903296,597717,45.7,45.7,B6.8
903293,597729,43.7,43.7,B6.9
903269,597824,41.8,41.8,B6.10
B9 - Nat Bar NB Side along Requeza ST 672,10,2,0,0
903360,597716,46,46,B9.1
903301,597717,49.5,49.5,B9.2
903296,597717,49.7,49.7,B9.3
B3 - SB ROW ST 672 to 676,11,2,0,0
903215,597719,53.4,53.4,B3.1
903211,597732,53.4,53.4,B3.2
903188,597796,52,52,B3.4
903172,597846,51.7,51.7,B3.5
903145,597919,53,53,B3.6
903139,597970,52,52,B3.7
B10 - Building NB Side ST 675,12,2,0,0
903286,597996,34.7,38.4,B10.1,
903293,597998,34.7,38.4,B10.2,
903289,598026,34.5,38.2,B10.3,
903298,598050,34.2,37.9,B10.4,
903315,598092,34.2,37.9,B10.5,
B7 - NB Shoulder ST 673 to 676,13,2,0,0,
903269,597824,41.8,41.8,B7.1,
903248,597916,39.6,39.6,B7.2,
903248,597916,39.6,39.6,B7.2,
903234,598013,37.5,37.5,B7.3,
903225,598094,35.2,35.2,B7.4,
B55 - Center Divider,14,2,0,0,
903286,597624,46,47,B55.1,
903259,597724,44,45,B55.2,
903237,597813,42,43,B55.3,
903214,597908,40,41,B55.4,
903189,598011,38,39,B55.5,
903165,598108,36,37,B55.6,
903142,598204,35,36,B55.7,
903120,598295,34.8,35.8,B55.8,
903097,598394,34.7,35.7,B55.9,
B14 - 5Ft Property Wall St 672 to 674,15,2,0,0,
903298,597737,48,49.5,B14.1,
903289,597777,44,45.5,B14.2,
903286,597802,42,43.5,B14.3,
903282,597838,44,45.5,B14.4,
903273,597888,44,45.5,B14.5,
903266,597931,44,45.5,B14.6,
B15 - 6Ft Property Wall St 672 to 674,16,2,0,0,
903369,597932,44,45.9,B15.1,
903369,597902,44,45.9,B15.2,
903369,597819,44,45.9,B15.3,

903370,597743,44,45.9,B15.4,
903370,597733,44,45.9,B15.5,
903370,597733,44,45.9,B15.6,
B106 - NB Shoulder ST 667 to 667,17,2,0,0,
903508,597257,54,54.9,B106.1,
903480,597300,53.3,54.2,B6.3,
R,1,67,4
903753,597018,59.8,R10.10
R,2,67,4
903648,597060,59.7,R10.11
R,3,67,4
903642,597155,58.4,R10.12
R,4,67,4
903551,597255,57.3,R10.13
R,5,67,4
903485,597395,55.7,R10.14
R,6,67,4
903455,597524,51.2,R10.15
R,7,67,4
903469,597625,52,R10.16
R,8,67,4
903425,597648,49.8,R10.17
R,9,67,4
903383,597744,45.5,R10.18
R,10,67,4
903382,597821,45.5,R10.19
R,11,67,4
903376,597910,45.5,R10.19A
R,12,67,4
903351,597950,43,R10.20
D,4.5
ALL,1
ALL,3
ALL,5
ALL,7
ALL,8
ALL,9
ALL,10
ALL,11
ALL,12
K,-5
ALL,3
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
10 SANTA FE 2 ENCINITAS BUILD EAST,DGN,FT

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	- 0.*								B8.1	152.6	
2	- 0.*								B8.2	383.3	
3	- 0.*								B8.3	133.6	
4	- 0.*								B8.4	213.3	
5	- 0.*								B8.5	201.1	
6	- 0.*								B8.6	170.6	
7	- 0.*								B8.7	227.6	
8	- 3.*								B54.1	342.3	
9	- 3.*								B54.2	374.5	
10	- 3.*								B54.3	318.8	
11	- 3.*								B54.4	330.5	
12	- 3.*								B54.5	328.9	
13	- 3.*								B54.6	318.8	
14	- 3.*								B54.7	339.1	
15	- 3.*								B54.8	336.5	
16	- 3.*								B54.9	247.1	
17	- 0.*								B5.1	183.8	
18	- 0.*								B5.2	258.5	
19	- 0.*								B5.3A	181.1	
20	- 14.*								B5.3B	193.3	
21	- 14.*								B5.3	68.3	
22	- 14.*								B5.4	79.3	
23	- 14.*								B5.5	202.1	
24	- 14.*								B5.6	164.9	
25	- 13.*								B5.7	2.0	
26	- 12.*								B5.7	200.3	
27	- 12.*								B5.8	117.7	
28	- 12.*								B5.9	151.8	
29	- 16.*								B11.1	82.0	
30	- 21.*								B11.1A	9.2	
31	- 25.*								B11.1A	187.5	
32	- 25.*								B12.1	182.2	
33	- 25.*								B12.2	224.4	
34	- 25.*								B12.3	162.1	
35	- 16.*								B13.1	148.9	
36	- 8.*								B13.2	16.5	
37	- 0.*								B13.2	36.3	

38	- 12.*	B6.1	70.4
39	- 6.*	B6.1A	12.1
40	- 0.*	B6.1A	128.1
41	- 0.*	B6.2	152.2
42	- 8.*	B6.3	16.0
43	- 16.*	B6.3	382.1
44	- 15.*	B6.4	2.0
45	- 14.*	B6.4	257.0
46	- 14.*	B6.5	326.2
47	- 14.*	B6.6	240.8
48	- 3.*	B6.7	227.8
49	- 2.*	B106.2	3.0
50	- 0.*	B106.2	68.6
51	- 0.*	B6.8	.0
52	- 0.*	B6.8	41.0
53	- 0.*	B6.9	321.5
54	- 0.*	B9.1	193.9
55	- 0.*	B9.2	16.4
56	- 0.*	B3.1	44.7
57	- 0.*	B3.2	223.2
58	- 0.*	B3.4	172.2
59	- 0.*	B3.5	255.4
60	- 0.*	B3.6	168.5
61	- 12.*	B10.1	23.9
62	- 12.*	B10.2	92.8
63	- 12.*	B10.3	84.1
64	- 12.*	B10.4	148.7
65	- 0.*	B7.1	309.7
66	- 0.*	B7.2	.0
67	- 0.*	B7.2	321.6
68	- 0.*	B7.3	267.5
69	- 3.*	B55.1	339.8
70	- 3.*	B55.2	300.9
71	- 3.*	B55.3	320.8
72	- 3.*	B55.4	347.8
73	- 3.*	B55.5	328.0
74	- 3.*	B55.6	323.8
75	- 3.*	B55.7	307.2
76	- 3.*	B55.8	333.4
77	- 5.*	B14.1	135.1
78	- 5.*	B14.2	83.0
79	- 5.*	B14.3	119.0
80	- 5.*	B14.4	166.6
81	- 5.*	B14.5	143.0
82	- 6.*	B15.1	98.5
83	- 6.*	B15.2	272.3
84	- 6.*	B15.3	249.3

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85    -  6.*                        B15.4      32.8
86    -  6.*                        B15.5       .0

87    -  3.*                        B106.1    168.4
-------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
---------------------------------
 1  R10.10    67.    500.   70.4
 2  R10.11    67.    500.   70.2
 3  R10.12    67.    500.   63.4
 4  R10.13    67.    500.   71.8
 5  R10.14    67.    500.   67.7
 6  R10.15    67.    500.   68.5
 7  R10.16    67.    500.   67.8
 8  R10.17    67.    500.   69.4
 9  R10.18    67.    500.   70.0
10  R10.19    67.    500.   69.3
11  R10.19A   67.    500.   68.9
12  R10.20    67.    500.   69.9
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 0.14.14.14.14.14.13.
12.12.12.16.21.25.25.25.25.16. 8. 0.12. 6. 0. 0. 8.16.15.14.14.14. 3. 2. 0.
 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.12.12.12.12. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3.
 3. 5. 5. 5. 5. 5. 6. 6. 6. 6. 6. 3.
```

11 - Encinitas to Leucadia - WEST SIDE Future No Build,
T-L33 - NB Encinitas Off-ramp,1
694,45,18,45,19,45
T-L34 - SB Encinitas On-ramp,2
684,45,17,45,19,45
T-L35 - NB Encinitas On-ramp,3
836,45,21,45,23,45
T-L36 - SB Encinitas Off-ramp,4
665,45,17,45,18,45
T-L8 - SB General Lanes - Outer,5
0,65,0,65,0,65
T-L18 - SB General Lanes - Inner,6
3269,65,87,65,244,65
T-L58 - SB General (Future HOV Lanes),7
3513,65,87,65,0,65
T-L57 - NB General (Future HOV Lanes),8
3513,65,87,65,0,65
T-L17 - NB General Lanes - Inner,9
3269,65,87,65,244,65
T-L7 - NB General Lanes - Outer,10
0,65,0,65,0,65
T-L2 - SB General Lanes - Outer,11
0,65,0,65,0,65
T-L12 - SB General Lanes - Inner,12
3269,65,87,65,244,65
T-L52 - SB General (Future HOV Lanes),13
3513,65,87,65,0,65
T-L51 - NB General (Future HOV Lanes),14
3513,65,87,65,0,65
T-L11 - NB General Lanes - Inner,15
3269,65,87,65,244,65
T-L1 - NB General Lanes - Outer,16
0,65,0,65,0,65
T-L21 - NB Leucadia Off-ramp,17
884,45,22,45,24,45
T-L92 - Existing SB Leucadia On-ramp,18
713,45,18,45,20,45
T-L24 - SB Leucadia Off-ramp,19
770,45,19,13,21,45
T-L23 - NB Leucadia On-ramp,20
551,45,14,45,15,45
T-L4 - SB General Lanes - Outer,21
0,65,0,65,0,65
T-L14 - SB General Lanes - Inner,22
3269,65,87,65,244,65
T-L54 - SB General (Future HOV Lanes),23
3513,65,87,65,0,65
T-L53 - NB General (Future HOV Lanes),24
3513,65,87,65,0,65
T-L13 - NB General Lanes - Inner,25
3269,65,87,65,244,65
T-L3 - NB General Lanes - Outer,26
0,65,0,65,0,65
L33 - NB Encinitas Off-ramp,1
N,903263,597823,41.8,L33.1,
N,903244,597913,39.6,L33.2,

N,903230,598013,37.4,L33.3,
N,903219,598093,35.2,L33.4,
N,903218,598172,32.3,L33.5,
N,903219,598246,31,L33.6,
L34 - SB Encinitas On-ramp,2
N,903212,597802,41.9,L34.1,
N,903183,597899,39.6,L34.2,
N,903157,597996,37.3,L34.3,
N,903126,598090,35.3,L34.4
N,903104,598146,32.3,L34.5
N,903074,598197,28.7,L34.6
N,903031,598265,25.7,L34.7
L35 - NB Encinitas On-ramp,3,
N,903219,598270,31.2,L35.1
N,903179,598335,31.9,L35.2
N,903142,598404,33.3,L35.3
N,903110,598499,33.9,L35.4
N,903087,598576,34.4,L35.5
N,903067,598652,35.3,L35.6
N,903033,598771,36.9,L35.7
L36 - SB Encinitas Off-ramp,4,
N,903033,598289,26,L36.1
N,903033,598341,25.7,L36.2
N,903032,598381,27.1,L36.3
N,903029,598440,30.2,L36.4
N,903025,598479,31.5,L36.5
N,903015,598558,34.3,L36.6
N,903003,598638,34.7,L36.7
N,902996,598676,35.6,L36.8
N,902980,598753,36.8,L36.9
L8 - SB General Lanes - Outer,5,
N,903188,597899,39.8,L8.7
N,903164,598000,37.5,L8.8
N,903140,598101,35.8,L8.9
N,903115,598196,35,L8.10
N,903093,598288,34.6,L8.11
N,903071,598385,34.6,L8.12
L18 - SB General Lanes - Inner,6,
N,903197,597901,39.8,L18.7
N,903172,598002,37.5,L18.8
N,903148,598104,35.8,L18.9
N,903125,598198,35,L18.10
N,903103,598290,34.6,L18.11
N,903079,598388,34.6,L18.12
L58 - SB HOV Lanes,7,
N,903206,597902,40,L58.7
N,903181,598006,38,L58.8
N,903157,598106,36,L58.9
N,903134,598200,35,L58.10
N,903112,598294,34.8,L58.11
N,903089,598391,34.7,L58.12
L57 - NB HOV Lanes,8,
N,903220,597913,40,L57.7
N,903197,598013,38,L57.8
N,903173,598110,36,L57.9
N,903151,598204,35,L57.10

N,903129,598299,34.8,L57.11
N,903105,598395,34.7,L57.12
L17 - NB General Lnaes - Inner,9,
N,903231,597916,39.8,L17.7
N,903207,598015,37.8,L17.8
N,903184,598111,35.8,L17.9
N,903161,598206,34.8,L17.10
N,903138,598301,34.6,L17.11
N,903114,598397,34.6,L17.12
L7 - NB General Lanes - Outer,10,
N,903239,597918,39.8,L7.7
N,903216,598017,37.8,L7.8
N,903192,598113,35.8,L7.9
N,903169,598208,34.8,L7.10
N,903146,598304,34.6,L7.11
N,903123,598401,34.6,L7.12
L2 - SB General Lanes - Outer,11,
N,903070,598385,34.6,L2.1
N,903048,598474,34.3,L2.2
N,903031,598544,34.7,L2.3
N,903007,598641,35.6,L2.4
N,902980,598753,36.8,L2.5
N,902958,598846,37.8,L2.6
N,902936,598933,38.8,L2.7
N,902913,599029,39.8,L2.8
N,902892,599114,40.8,L2.9
N,902869,599208,41.8,L2.10
N,902837,599337,43.3,L2.11
N,902806,599471,44.8,L2.12
N,902783,599567,45.8,L2.13
N,902760,599661,46.8,L2.14
N,902742,599738,47.8,L2.15
L12 - SB General Lanes - Inner,12,
N,903079,598388,34.6,L12.1
N,903056,598475,34.3,L12.2
N,903040,598546,34.7,L12.3
N,903016,598644,35.6,L12.4
N,902990,598756,36.8,L12.5
N,902966,598848,37.8,L12.6
N,902945,598935,38.8,L12.7
N,902922,599031,39.8,L12.8
N,902902,599116,40.8,L12.9
N,902878,599209,41.8,L12.10
N,902846,599339,43.3,L12.11
N,902815,599474,44.8,L12.12
N,902792,599569,45.8,L12.13
N,902769,599663,46.8,L12.14
N,902749,599740,47.8,L12.15
L52 - SB HOV Lanes,13,
N,903089,598391,34.7,L52.1
N,903067,598479,34.4,L52.2
N,903050,598548,34.7,L52.3
N,903025,598646,35.7,L52.4
N,902998,598759,37,L52.5
N,902977,598849,38,L52.6
N,902956,598939,39,L52.7

N,902931,599033,40,L52.8
N,902911,599117,41,L52.9
N,902888,599210,42,L52.10
N,902856,599341,43.5,L52.11
N,902824,599476,45,L52.12
N,902801,599571,46,L52.13
N,902778,599666,47,L52.14
N,902759,599742,48,L52.15
L51 - NB HOV Lanes,14,
N,903105,598396,34.7,L51.1
N,903083,598484,34.4,L51.2
N,903066,598553,34.7,L51.3
N,903041,598651,35.7,L51.4
N,903014,598766,37,L51.5
N,902993,598854,38,L51.6
N,902971,598947,39,L51.7
N,902948,599035,40,L51.8
N,902927,599124,41,L51.9
N,902905,599212,42,L51.10
N,902872,599350,43.5,L51.11
N,902840,599483,45,L51.12
N,902816,599576,46,L51.13
N,902794,599670,47,L51.14
N,902774,599752,48,L51.15
L11 - NB General Lanes - Inner,15,
N,903113,598398,34.6,L11.1
N,903092,598486,34.3,L11.2
N,903075,598555,34.7,L11.3
N,903052,598653,35.6,L11.4
N,903023,598768,36.9,L11.5
N,903002,598856,37.8,L11.6
N,902978,598949,38.8,L11.7
N,902958,599038,38.8,L11.8
N,902937,599127,40.8,L11.9
N,902914,599215,41.8,L11.10
N,902882,599353,43.3,L11.11
N,902849,599486,44.8,L11.12
N,902827,599579,45.8,L11.13
N,902804,599673,46.8,L11.14
N,902784,599756,47.8,L11.15
L1 - NB General Lanes - Outer,16,
N,903122,598401,34.6,L1.1
N,903102,598489,34.3,L1.2
N,903084,598558,34.7,L1.3
N,903059,598656,35.6,L1.4
N,903033,598771,36.9,L1.5
N,903011,598859,37.8,L1.6
N,902988,598952,38.8,L1.7
N,902967,599041,38.8,L1.8
N,902945,599129,40.8,L1.9
N,902923,599218,41.8,L1.10
N,902890,599356,43.3,L1.11
N,902858,599490,44.8,L1.12
N,902834,599582,45.8,L1.13
N,902813,599676,46.8,L1.14
N,902790,599758,47.8,L1.15

L21 - NB Leucadia Off-ramp,17,
N,902813,599676,46.8,L21.1
N,902800,599736,47.3,L21.2
N,902785,599799,47.8,L21.3
N,902770,599898,48.2,L21.4
N,902762,599957,49.4,L21.5
N,902759,600015,50.8,L21.6
N,902761,600057,51.8,L21.7
N,902764,600106,53.3,L21.8
L92 - Existing SB Leucadia On-ramp,18,
N,902731,599819,48.3,L92.1
N,902692,599931,48.3,L92.2
N,902677,599981,48,L92.3
N,902650,600033,51.3,L92.4
N,902614,600105,53.7,L92.5
L24 - SB Leucadia Off-ramp,19,
N,902607,600143,53.9,L24.1
N,902603,600189,52.2,L24.2
N,902596,600248,48.3,L24.3
N,902589,600306,44.7,L24.4
N,902582,600347,43.3,L24.5
N,902570,600426,42.4,L24.6
N,902563,600466,42,L24.7
N,902546,600540,41.3,L24.8
L23 - NB Leucadia On-ramp,20,
N,902728,600187,53,L23.1
N,902714,600184,52.8,L23.2
N,902700,600191,52,L23.3
N,902694,600209,51.2,L23.4
N,902682,600268,46.9,L23.5
N,902676,600290,45,L23.6
N,902664,600326,43.9,L23.7
N,902646,600383,43,L23.8
N,902630,600441,42.4,L23.9
N,902615,600500,41.7,L23.10
N,902600,600549,41.3,L23.11
L4 - SB General Lanes - Outer,21,
N,902742,599738,47.8,L4.1
N,902724,599817,48.3,L4.2
N,902697,599932,48.3,L4.3
N,902668,600051,47.3,L4.4
N,902637,600175,45.7,L4.5
N,902609,600291,44.3,L4.6
N,902578,600418,42.7,L4.7
N,902546,600540,41.3,L4.8
L14 - SB General Lanes - Inner,22,
N,902749,599740,47.8,L14.1
N,902731,599819,48.3,L14.2
N,902703,599935,48.3,L14.3
N,902674,600053,47.3,L14.4
N,902644,600177,45.7,L14.5
N,902615,600293,44.3,L14.6
N,902584,600420,42.7,L14.7
N,902556,600542,41.3,L14.8
L54 - SB HOV Lanes,23,
N,902759,599742,48,L54.1

N,902740,599823,48.5,L54.2
N,902712,599939,48.5,L54.3
N,902684,600056,47.5,L54.4
N,902653,600179,46,L54.5
N,902625,600294,44.5,L54.6
N,902594,600423,43,L54.7
N,902564,600544,41.5,L54.8
L53 - NB HOV Lanes,24,
N,902774,599752,48,L53.1
N,902755,599832,48.5,L53.2
N,902727,599945,48.5,L53.3
N,902700,600058,47.5,L53.4
N,902670,600182,46,L53.5
N,902641,600298,44.5,L53.6
N,902611,600423,43,L53.7
N,902582,600543,41.5,L53.8
L13 - NB General Lanes - Inner,25,
N,902784,599756,47.8,L13.1
N,902764,599835,48.3,L13.2
N,902737,599948,48.3,L13.3
N,902710,600061,47.3,L13.4
N,902681,600184,45.7,L13.5
N,902651,600301,44.3,L13.6
N,902621,600426,42.7,L13.7
N,902591,600546,41.3,L13.8
L3 - NB General Lanes - Outer,26,
N,902790,599758,47.8,L3.1
N,902771,599836,48.3,L3.2
N,902743,599949,48.3,L3.3
N,902716,600063,47.3,L3.4
N,902687,600185,45.7,L3.5
N,902657,600303,44.3,L3.6
N,902628,600429,42.7,L3.7
N,902600,600549,41.3,L3.8
B2 - Comm Building SB Side ST 680,1,2,0,0
902892,598425,25.5,33.1,B2.1A
902937,598427,26.7,34.3,B2.1
902996,598429,26.7,34.3,B2.2
902994,598492,26.6,34.2,B2.3
B3 - SB Shoulder ST 680 to 686,2,2,0,0
903023,598440,30.2,30.2,B3.1
903020,598479,31.5,31.5,B3.2
903011,598558,34.3,34.3,B3.3
902999,598638,35.3,35.3,B3.4
902992,598675,36,36,B3.5
902973,598752,36.8,36.8,B3.6
902951,598844,37.8,37.8,B3.7
B1 - SB Nat Bar to R11.3 Prop Line,3,2,0,0
902931,598580,26,26,B1.1
902913,598599,36,36,B1.2
902898,598619,44,44,B1.3
902882,598649,48.5,48.5,B1.4
902873,598676,48.5,48.5,B1.5
902878,598691,48.5,48.5,B1.6
902864,598737,48.5,48.5,B1.7
B71 - Prop Line R11.1-R11.2,4,2,0,0

902836,598513,26.5,26.5,B71.1
902868,598528,27,27,B71.2
902869,598567,34,34,B71.3
902866,598592,38,38,B71.4
902868,598622,44,44,B71.5
902867,598649,48,48,B71.6
902866,598674,48,48,B71.7
902873,598676,48.5,48.5,B1.5
B55 - Center Divider,5,2,0,0
903189,598011,38,39,B55.5
903165,598108,36,37,B55.6
903142,598204,35,36,B55.7
903120,598295,34.8,35.8,B55.8
903097,598394,34.7,35.7,B55.9
B56 - Center Divider,6,2,0,0
903097,598393,34.7,35.7,B56.1
903075,598481,34.4,35.4,B56.2
903057,598552,34.7,35.7,B56.3
903034,598649,35.7,36.7,B56.4
903007,598762,37,38,B56.5
902986,598852,38,39,B56.6
902962,598943,39,40,B56.7
902940,599034,40,41,B56.8
902919,599121,41,42,B56.9
902896,599211,42,43,B56.10
B4 - SB Shoulder ST 686 to 694,7,2,0,0
902813,599407,44.1,44.1,B4.5
902799,599469,44.8,44.8,B4.6
902776,599565,45.8,45.8,B4.7
902753,599659,46.8,46.8,B4.8
902737,599728,47.5,47.5,B4.9
902715,599804,48,48,B4.10
B5 - SB Shoulder to Leucadia Bridge ST 694 to 697,8,2,0,0
902715,599804,48,48,B5.1
902705,599841,48,48,B5.2
902701,599835,50,50,B5.3
902679,599915,52,52,B5.4
902659,599968,53.2,53.2,B5.5
902642,600015,52,52,B5.6
902611,600076,52,52,B5.7
902593,600110,54.2,54.2,B5.8
902644,600112,54,54,B5.9
902637,600140,54,54,B5.10
B57 - Center Divider,9,2,0,0
902896,599211,42,43,B57.1
902864,599345,43.5,44.5,B57.2
902831,599481,45,46,B57.3
902809,599574,46,47,B57.4
902786,599668,47,48,B57.5
902766,599749,48,49,B57.6
902747,599830,48.5,49.5,B57.7
902720,599944,48.5,49.5,B57.8
902692,600057,47.5,48.5,B57.9
902662,600181,46,47,B57.10
B58 - Center Divider,10,2,0,0
902662,600181,46,47,B58.1

902633,600297,44.5,45.5,B58.2
902603,600422,43,44,B58.3
B21 - Nat Bar Leucadia Bridge,11,2,0,0
902637,600140,54,54,B21.1
902589,600139,54,54,B21.2
902585,600166,55.5,55.5,B21.3
902583,600215,55,55,B21.4
902583,600231,48,48,B21.5
B93 - Existing Shoulder SB Side ST 684 to 690,12,2,0,0
902963,598846,37.8,37.8,B93.1
902941,598935,38.5,38.5,B93.2
902921,599020,39.5,39.5,B93.3
902898,599108,40.5,40.5,B93.4
902877,599195,41.5,41.5,B93.5
902854,599289,42.5,42.5,B93.6
902833,599377,43.5,43.5,B93.7
902812,599466,44.5,44.5,B93.8
R,1,67,4
902861,598530,28.4,R11.1
R,2,67,4
902863,598589,38.8,R11.1A
R,3,67,4
902861,598630,44.8,R11.2
R,4,67,4
902869,598694,51.1,R11.3
R,5,67,4
902849,598785,51,R11.4/ ST11.2
R,6,67,4
902810,598932,51.5,R11.5
R,7,67,4
902861,598916,39.5,R11.5A
R,8,67,4
902856,598970,38.2,R11.6
R,9,67,4
902860,599050,37.8,R11.7
R,10,67,4
902809,599088,51.6,R11.8
R,11,67,4
902831,599123,47,R11.9/ ST11.4
R,12,67,4
902767,599167,55.1,R11.10
R,13,67,4
902838,599249,39.2,R11.11
R,14,67,4
902726,599338,48.2,R11.12
R,15,67,4
902757,599424,47.1,R11.13/ ST11.5
R,16,67,4
902757,599525,48.5,R11.14
R,17,67,4
902705,599574,55.5,R11.15
R,18,67,4
902724,599622,48.6,R11.16
R,19,67,4
902689,599690,52,R11.17
R,20,67,4

902715,599771,49.8,R11.18/ LT11.1
R,21,67,4
902647,599819,57.1,R11.19
R,22,67,4
902613,599924,55.3,R11.20
R,23,67,4
902570,599964,53.8,R11.21
D,4.5
ALL,1
ALL,2
ALL,3
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ALL,17
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SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
11 - ENCINITAS TO LEUCADIA - WEST SIDE FUTURE NO BUILD,

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	- 25.*								B2.1A	147.8	
2	- 25.*								B2.1	193.7	
3	- 25.*								B2.2	206.8	
4	- 0.*								B3.1	128.5	
5	- 0.*								B3.2	261.0	
6	- 0.*								B3.3	265.4	
7	- 0.*								B3.4	123.6	
8	- 0.*								B3.5	260.2	
9	- 0.*								B3.6	310.4	
10	- 0.*								B1.1	91.9	
11	- 0.*								B1.2	86.1	
12	- 0.*								B1.3	112.5	
13	- 0.*								B1.4	93.4	
14	- 0.*								B1.5	51.9	
15	- 0.*								B1.6	157.8	
16	- 0.*								B71.1	116.0	
17	- 0.*								B71.2	130.1	
18	- 0.*								B71.3	83.6	
19	- 0.*								B71.4	100.6	
20	- 0.*								B71.5	89.6	
21	- 0.*								B71.6	82.1	
22	- 0.*								B71.7	24.0	
23	- 3.*								B55.5	328.0	
24	- 3.*								B55.6	323.8	
25	- 3.*								B55.7	307.2	
26	- 3.*								B55.8	333.4	
27	- 3.*								B56.1	297.6	
28	- 3.*								B56.2	240.4	
29	- 3.*								B56.3	327.0	
30	- 3.*								B56.4	381.3	
31	- 3.*								B56.5	303.2	
32	- 3.*								B56.6	308.8	
33	- 3.*								B56.7	307.1	
34	- 3.*								B56.8	293.7	
35	- 3.*								B56.9	304.8	
36	- 0.*								B4.5	208.5	
37	- 0.*								B4.6	323.9	

38	-	0.*	B4.7	317.5
39	-	0.*	B4.8	232.3
40	-	0.*	B4.9	259.6
41	-	0.*	B5.1	125.8
42	-	0.*	B5.2	24.5
43	-	0.*	B5.3	272.3
44	-	0.*	B5.4	185.9
45	-	0.*	B5.5	163.9
46	-	0.*	B5.6	224.6
47	-	0.*	B5.7	126.4
48	-	0.*	B5.8	167.4
49	-	0.*	B5.9	94.7
50	-	3.*	B57.1	452.0
51	-	3.*	B57.2	459.2
52	-	3.*	B57.3	313.5
53	-	3.*	B57.4	317.5
54	-	3.*	B57.5	273.7
55	-	3.*	B57.6	273.0
56	-	3.*	B57.7	384.4
57	-	3.*	B57.8	381.9
58	-	3.*	B57.9	418.7
59	-	3.*	B58.1	392.2
60	-	3.*	B58.2	421.9
61	-	0.*	B21.1	157.5
62	-	0.*	B21.2	89.7
63	-	0.*	B21.3	160.8
64	-	0.*	B21.4	57.3
65	-	0.*	B93.1	300.8
66	-	0.*	B93.2	286.6
67	-	0.*	B93.3	298.4
68	-	0.*	B93.4	293.7
69	-	0.*	B93.5	317.5
70	-	0.*	B93.6	296.8
71	-	0.*	B93.7	300.0

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0 1 2 3 4 5 6 7

1

REC	REC ID	DNL	PEOPLE	LEQ(CAL)
1	REC 1	67.	500.	65.3
2	REC 2	67.	500.	65.4
3	REC 3	67.	500.	64.7
4	R11.3	67.	500.	68.5
5	R11.4/ S	67.	500.	68.4
6	R11.5	67.	500.	68.6
7	R11.5A	67.	500.	72.5
8	R11.6	67.	500.	72.6
9	R11.7	67.	500.	73.8
10	R11.8	67.	500.	70.5
11	R11.9/ S	67.	500.	75.0
12	R11.10	67.	500.	69.2

13 R11.11 67. 500. 75.5
14 R11.12 67. 500. 69.2
15 R11.13/ 67. 500. 72.2
16 R11.14 67. 500. 74.6
17 R11.15 67. 500. 71.3
18 R11.16 67. 500. 73.4
19 R11.17 67. 500. 72.0
20 R11.18/ 67. 500. 77.5
21 R11.19 67. 500. 71.1
22 R11.20 67. 500. 69.9
23 R11.21 67. 500. 67.2
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
25.25.25. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 3. 3.
3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3.
3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.

11 - Encinitas to Leucadia - WEST - Build,Bld,Ft
T-L33 - NB Encinitas Off-ramp,1,
950,45,24,45,26,45,
T-L34 - SB Encinitas On-ramp,2,
950,45,24,45,26,45,
T-L35 - NB Encinitas On-ramp,3,
950,45,24,45,26,45,
T-L36 - SB Encinitas Off-ramp,4,
950,45,24,45,26,45,
T-L8 - SB General Lanes - Outer,5,
3052,65,122,65,426,65,
T-L18 - SB General Lanes - Inner,6,
5217,65,183,65,0,65,
T-L58 - SB HOV Lanes,7,
3000,65,0,65,0,65,
T-L57 - NB HOV Lanes,8,
3000,65,0,65,0,65
T-L17 - NB General Lnaes - Inner,9
5217,65,183,65,0,65
T-L7 - NB General Lanes - Outer,10
3052,65,122,65,426,65
T-L2 - SB General Lanes - Outer,11
3052,65,122,65,426,65
T-L12 - SB General Lanes - Inner,12
5217,65,183,65,0,65
T-L52 - SB HOV Lanes,13
3000,65,0,65,0,65
T-L51 - NB HOV Lanes,14
3000,65,0,65,0,65
T-L11 - NB General Lanes - Inner,15
5217,65,183,65,0,65
T-L1 - NB General Lanes - Outer,16
3052,65,122,65,426,65
T-L21 - NB Leucadia Off-ramp,17
950,45,24,45,26,45
T-L22 - SB Leucadia On-ramp,18
950,45,24,45,26,45
T-L24 - SB Leucadia Off-ramp,19
950,45,24,45,26,45
T-L23 - NB Leucadia On-ramp,20
950,45,24,45,26,45
T-L4 - SB General Lanes - Outer,21
3052,65,122,65,426,65
T-L14 - SB General Lanes - Inner,22
5217,65,183,65,0,65
T-L54 - SB HOV Lanes,23
3000,65,0,65,0,65
T-L53 - NB HOV Lanes,24
3000,65,0,65,0,65
T-L13 - NB General Lanes - Inner,25
5217,65,183,65,0,65
T-L3 - NB General Lanes - Outer,26
3052,65,122,65,426,65
L33 - NB Encinitas Off-ramp,1
N,903263,597823,41.8,L33.1,
N,903244,597913,39.6,L33.2,

N,903230,598013,37.4,L33.3,
N,903219,598093,35.2,L33.4,
N,903218,598172,32.3,L33.5,
N,903219,598246,31,L33.6,
L34 - SB Encinitas On-ramp,2
N,903209,597801,41.9,L34.1,
N,903192,597860,40.8,L34.2,
N,903177,597920,39.1,L34.3,
N,903155,597995,37.5,L34.4
N,903130,598070,35.7,L34.5
N,903105,598124,34.1,L34.6
N,903075,598176,29.9,L34.7
N,903043,598228,27.2,L34.8
N,903036,598248,26.5,L34.9
N,903030,598267,26.1,L34.10
L35 - NB Encinitas On-ramp,3,
N,903220,598264,31.1,L35.1
N,903217,598284,31.2,L35.2
N,903210,598305,31.4,L35.3
N,903179,598357,32.2,L35.4
N,903149,598408,33.3,L35.5
N,903125,598463,33.7,L35.6
N,903106,598519,34,L35.7
N,903088,598576,34.3,L35.8
N,903068,598653,35.2,L35.9
N,903053,598711,36.2,L35.10
N,903033,598771,36.9,L35.11
L36 - SB Encinitas Off-ramp,4,
N,903028,598283,26,L36.1
N,903029,598340,25.9,L36.2
N,903027,598401,28.1,L36.3
N,903026,598459,30.9,L36.4
N,903025,598499,32.2,L36.5
N,903016,598558,34.3,L36.6
N,903006,598618,35,L36.7
N,903001,598657,35.9,L36.8
N,902992,598697,36.1,L36.9
N,902980,598753,36.8,L36.10
L8 - SB General Lanes - Outer,5,
N,903188,597899,39.8,L8.7
N,903164,598000,37.5,L8.8
N,903140,598101,35.8,L8.9
N,903115,598196,35,L8.10
N,903093,598288,34.6,L8.11
N,903071,598385,34.6,L8.12
L18 - SB General Lanes - Inner,6,
N,903197,597901,39.8,L18.7
N,903172,598002,37.5,L18.8
N,903148,598104,35.8,L18.9
N,903125,598198,35,L18.10
N,903103,598290,34.6,L18.11
N,903079,598388,34.6,L18.12
L58 - SB HOV Lanes,7,
N,903206,597902,40,L58.7
N,903181,598006,38,L58.8
N,903157,598106,36,L58.9

N,903134,598200,35,L58.10
N,903112,598294,34.8,L58.11
N,903089,598391,34.7,L58.12
L57 - NB HOV Lanes,8,
N,903220,597913,40,L57.7
N,903197,598013,38,L57.8
N,903173,598110,36,L57.9
N,903151,598204,35,L57.10
N,903129,598299,34.8,L57.11
N,903105,598395,34.7,L57.12
L17 - NB General Lnaes - Inner,9,
N,903231,597916,39.8,L17.7
N,903207,598015,37.8,L17.8
N,903184,598111,35.8,L17.9
N,903161,598206,34.8,L17.10
N,903138,598301,34.6,L17.11
N,903114,598397,34.6,L17.12
L7 - NB General Lanes - Outer,10,
N,903239,597918,39.8,L7.7
N,903216,598017,37.8,L7.8
N,903192,598113,35.8,L7.9
N,903169,598208,34.8,L7.10
N,903146,598304,34.6,L7.11
N,903123,598401,34.6,L7.12
L2 - SB General Lanes - Outer,11,
N,903070,598385,34.6,L2.1
N,903048,598474,34.3,L2.2
N,903031,598544,34.7,L2.3
N,903007,598641,35.6,L2.4
N,902980,598753,36.8,L2.5
N,902958,598846,37.8,L2.6
N,902936,598933,38.8,L2.7
N,902913,599029,39.8,L2.8
N,902892,599114,40.8,L2.9
N,902869,599208,41.8,L2.10
N,902837,599337,43.3,L2.11
N,902806,599471,44.8,L2.12
N,902783,599567,45.8,L2.13
N,902760,599661,46.8,L2.14
N,902742,599738,47.8,L2.15
L12 - SB General Lanes - Inner,12,
N,903079,598388,34.6,L12.1
N,903056,598475,34.3,L12.2
N,903040,598546,34.7,L12.3
N,903016,598644,35.6,L12.4
N,902990,598756,36.8,L12.5
N,902966,598848,37.8,L12.6
N,902945,598935,38.8,L12.7
N,902922,599031,39.8,L12.8
N,902902,599116,40.8,L12.9
N,902878,599209,41.8,L12.10
N,902846,599339,43.3,L12.11
N,902815,599474,44.8,L12.12
N,902792,599569,45.8,L12.13
N,902769,599663,46.8,L12.14
N,902749,599740,47.8,L12.15

L52 - SB HOV Lanes,13,
N,903089,598391,34.7,L52.1
N,903067,598479,34.4,L52.2
N,903050,598548,34.7,L52.3
N,903025,598646,35.7,L52.4
N,902998,598759,37,L52.5
N,902977,598849,38,L52.6
N,902956,598939,39,L52.7
N,902931,599033,40,L52.8
N,902911,599117,41,L52.9
N,902888,599210,42,L52.10
N,902856,599341,43.5,L52.11
N,902824,599476,45,L52.12
N,902801,599571,46,L52.13
N,902778,599666,47,L52.14
N,902759,599742,48,L52.15
L51 - NB HOV Lanes,14,
N,903105,598396,34.7,L51.1
N,903083,598484,34.4,L51.2
N,903066,598553,34.7,L51.3
N,903041,598651,35.7,L51.4
N,903014,598766,37,L51.5
N,902993,598854,38,L51.6
N,902971,598947,39,L51.7
N,902948,599035,40,L51.8
N,902927,599124,41,L51.9
N,902905,599212,42,L51.10
N,902872,599350,43.5,L51.11
N,902840,599483,45,L51.12
N,902816,599576,46,L51.13
N,902794,599670,47,L51.14
N,902774,599752,48,L51.15
L11 - NB General Lanes - Inner,15,
N,903113,598398,34.6,L11.1
N,903092,598486,34.3,L11.2
N,903075,598555,34.7,L11.3
N,903052,598653,35.6,L11.4
N,903023,598768,36.9,L11.5
N,903002,598856,37.8,L11.6
N,902978,598949,38.8,L11.7
N,902958,599038,38.8,L11.8
N,902937,599127,40.8,L11.9
N,902914,599215,41.8,L11.10
N,902882,599353,43.3,L11.11
N,902849,599486,44.8,L11.12
N,902827,599579,45.8,L11.13
N,902804,599673,46.8,L11.14
N,902784,599756,47.8,L11.15
L1 - NB General Lanes - Outer,16,
N,903122,598401,34.6,L1.1
N,903102,598489,34.3,L1.2
N,903084,598558,34.7,L1.3
N,903059,598656,35.6,L1.4
N,903033,598771,36.9,L1.5
N,903011,598859,37.8,L1.6
N,902988,598952,38.8,L1.7

N,902967,599041,38.8,L1.8
N,902945,599129,40.8,L1.9
N,902923,599218,41.8,L1.10
N,902890,599356,43.3,L1.11
N,902858,599490,44.8,L1.12
N,902834,599582,45.8,L1.13
N,902813,599676,46.8,L1.14
N,902790,599758,47.8,L1.15
L21 - NB Leucadia Off-ramp,17,
N,902813,599676,46.8,L21.1
N,902805,599723,47.1,L21.2
N,902794,599780,47.8,L21.3
N,902786,599823,48,L21.4
N,902777,599883,48.1,L21.5
N,902765,599963,49.6,L21.6
N,902760,600002,50.7,L21.7
N,902764,600062,51.8,L21.8
N,902766,600120,53.9,L21.9
L22 - SB Leucadia On-ramp,18,
N,902783,599567,45.8,L22.1
N,902769,599610,46.1,L22.2
N,902754,599668,46.9,L22.3
N,902738,599726,47.2,L22.4
N,902717,599801,47.8,L22.5
N,902706,599841,47.9,L22.6
N,902685,599898,47.7,L22.7
N,902663,599953,48.1,L22.8
N,902641,600011,50.1,L22.9
N,902629,600047,52,L22.10
N,902613,600106,53.9,L22.11
L24 - SB Leucadia Off-ramp,19,
N,902606,600148,53.7,L24.1
N,902600,600207,50.8,L24.2
N,902589,600267,46.8,L24.3
N,902582,600326,44,L24.4
N,902570,600385,42.5,L24.5
N,902563,600445,41.9,L24.6
N,902554,600504,41.6,L24.7
N,902546,600540,41.3,L24.8
L23 - NB Leucadia On-ramp,20,
N,902763,600132,53.5,L23.1
N,902756,600149,53.2,L23.2
N,902745,600168,52.6,L23.3
N,902710,600215,49.4,L23.4
N,902694,600251,46.8,L23.5
N,902676,600308,44.1,L23.6
N,902656,600366,43,L23.7
N,902639,600421,42.4,L23.8
N,902619,600499,41.5,L23.9
N,902603,600558,41.3,L23.10
N,902571,600668,39.8,L23.11
L4 - SB General Lanes - Outer,21,
N,902742,599738,47.8,L4.1
N,902724,599817,48.3,L4.2
N,902697,599932,48.3,L4.3
N,902668,600051,47.3,L4.4

N,902637,600175,45.7,L4.5
N,902609,600291,44.3,L4.6
N,902578,600418,42.7,L4.7
N,902546,600540,41.3,L4.8
L14 - SB General Lanes - Inner,22,
N,902749,599740,47.8,L14.1
N,902731,599819,48.3,L14.2
N,902703,599935,48.3,L14.3
N,902674,600053,47.3,L14.4
N,902644,600177,45.7,L14.5
N,902615,600293,44.3,L14.6
N,902584,600420,42.7,L14.7
N,902556,600542,41.3,L14.8
L54 - SB HOV Lanes,23,
N,902759,599742,48,L54.1
N,902740,599823,48.5,L54.2
N,902712,599939,48.5,L54.3
N,902684,600056,47.5,L54.4
N,902653,600179,46,L54.5
N,902625,600294,44.5,L54.6
N,902594,600423,43,L54.7
N,902564,600544,41.5,L54.8
L53 - NB HOV Lanes,24,
N,902774,599752,48,L53.1
N,902755,599832,48.5,L53.2
N,902727,599945,48.5,L53.3
N,902700,600058,47.5,L53.4
N,902670,600182,46,L53.5
N,902641,600298,44.5,L53.6
N,902611,600423,43,L53.7
N,902582,600543,41.5,L53.8
L13 - NB General Lanes - Inner,25,
N,902784,599756,47.8,L13.1
N,902764,599835,48.3,L13.2
N,902737,599948,48.3,L13.3
N,902710,600061,47.3,L13.4
N,902681,600184,45.7,L13.5
N,902651,600301,44.3,L13.6
N,902621,600426,42.7,L13.7
N,902591,600546,41.3,L13.8
L3 - NB General Lanes - Outer,26
N,902790,599758,47.8,L3.1,
N,902771,599836,48.3,L3.2,
N,902743,599949,48.3,L3.3,
N,902716,600063,47.3,L3.4,
N,902687,600185,45.7,L3.5,
N,902657,600303,44.3,L3.6,
N,902628,600429,42.7,L3.7,
N,902600,600549,41.3,L3.8,
B2 - Comm Building SB Side ST 680,1,2,0,0,
902892,598425,25.5,33.1,B2.1A,
902937,598427,26.7,32.8,B2.1,
902996,598429,26.7,32.8,B2.2,
902994,598492,26.6,32.7,B2.3,
B3 - SB Shoulder ST 680 to 686,2,2,0,0,
903023,598440,30.2,30.2,B3.1,

903020,598479,31.5,31.5,B3.2,
903011,598558,34.3,34.3,B3.3,
902999,598638,35.3,35.3,B3.4,
902992,598675,36,36,B3.5,
902973,598752,36.8,36.8,B3.6,
902951,598844,37.8,37.8,B3.7,
902930,598932,38.8,38.8,B3.8,
902906,599027,39.8,39.8,B3.9,
902885,599113,40.2,40.2,B3.10,
B1 - SB Nat Bar to R11.3 Prop Line,3,2,0,0,
902931,598580,26,26,B1.1,
902913,598599,36,36,B1.2,
902898,598619,44,44,B1.3,
902882,598649,48.5,48.5,B1.4,
902873,598676,48.5,48.5,B1.5,
902878,598691,48.5,48.5,B1.6,
902864,598737,48.5,48.5,B1.7,
B71 - Prop Line R11.1-R11.2,4,2,0,0,
902836,598513,26.5,26.5,B71.1,
902868,598528,27,27,B71.2,
902869,598567,34,34,B71.3,
902866,598592,38,38,B71.4,
902868,598622,44,44,B71.5,
902867,598649,48,48,B71.6,
902866,598674,48,48,B71.7,
902873,598676,48.5,48.5,B1.5,
B55 - Center Divider,5,2,0,0,
903189,598011,38,39,B55.5,
903165,598108,36,37,B55.6,
903142,598204,35,36,B55.7,
903120,598295,34.8,35.8,B55.8,
903097,598394,34.7,35.7,B55.9,
B56 - Center Divider,6,2,0,0,
903097,598393,34.7,35.7,B56.1,
903075,598481,34.4,35.4,B56.2,
903057,598552,34.7,35.7,B56.3,
903034,598649,35.7,36.7,B56.4,
903007,598762,37,38,B56.5,
902986,598852,38,39,B56.6,
902962,598943,39,40,B56.7,
902940,599034,40,41,B56.8,
902919,599121,41,42,B56.9,
902896,599211,42,43,B56.10,
B4 - SB Shoulder ST 686 to 694,7,2,0,0,
902885,599113,40.8,40.8,B4.1,
902863,599205,41.8,41.8,B4.2,
902846,599273,42.6,42.6,B4.3,
902832,599336,43.3,43.3,B4.4,
902813,599407,44.1,44.1,B4.5,
902799,599469,44.8,44.8,B4.6,
902776,599565,45.8,45.8,B4.7,
B104 SB Leucadia on-ramp (a),8,2,0,0,
902776,599565,45.8,45.8,B104.1,
902764,599608,46.2,46.2,B104.2,
902748,599668,46.9,46.9,B104.3,
902734,599725,47.2,47.2,B104.4,

902713,599800,47.8,47.8,B104.5,
902701,599840,47.9,47.9,B104.6,
902664,599823,50.8,50.8,B104.6A,
902679,599895,51.1,51.1,B104.7,
902654,599951,53.3,53.3,B104.8,
902646,599970,53.7,53.7,B104.9,
B105 SB Leucadia on-ramp (b),9,2,0,0,
902646,599970,53.7,53.7,B104.9,
902646,599980,53.3,53.3,B105.1,
902636,600008,52.2,52.2,B105.2,
902622,600046,52,52,B105.3,
902608,600100,53.8,53.8,B105.4,
902593,600110,54.2,54.2,B5.8,
B5 - SB Shoulder to Leucadia Bridge ST 694 to 697,10,2,0,0,
902593,600110,54.2,54.2,B5.8,
902644,600112,54,54,B5.9,
902637,600140,54,54,B5.10,
B57 - Center Divider,11,2,0,0,
902896,599211,42,43,B57.1,
902864,599345,43.5,44.5,B57.2,
902831,599481,45,46,B57.3,
902809,599574,46,47,B57.4,
902786,599668,47,48,B57.5,
902766,599749,48,49,B57.6,
902747,599830,48.5,49.5,B57.7,
902720,599944,48.5,49.5,B57.8,
902692,600057,47.5,48.5,B57.9,
902662,600181,46,47,B57.10,
B58 - Center Divider,12,2,0,0,
902662,600181,46,47,B58.1,
902633,600297,44.5,45.5,B58.2,
902603,600422,43,44,B58.3,
B21 - Nat Bar Leucadia Bridge,13,2,0,0,
902637,600140,54,54,B21.1,
902589,600139,54,54,B21.2,
902585,600166,55.5,55.5,B21.3,
902583,600215,55,55,B21.4,
902583,600231,48,48,B21.5,
R,1,67,4
902861,598530,28.4,R11.1
R,2,67,4
902863,598589,38.8,R11.1A
R,3,67,4
902861,598630,44.8,R11.2
R,4,67,4
902869,598694,51.1,R11.3
R,5,67,4
902849,598785,51,R11.4/ ST11.2
R,6,67,4
902810,598932,51.5,R11.5
R,7,67,4
902861,598916,39.5,R11.5A
R,8,67,4
902856,598970,38.2,R11.6
R,9,67,4
902860,599050,37.8,R11.7

R,10,67,4
902809,599088,51.6,R11.8
R,11,67,4
902831,599123,47,R11.9/ ST11.4
R,12,67,4
902767,599167,55.1,R11.10
R,13,67,4
902838,599249,39.2,R11.11
R,14,67,4
902726,599338,48.2,R11.12
R,15,67,4
902757,599424,47.1,R11.13/ ST11.5
R,16,67,4
902757,599525,48.5,R11.14
R,17,67,4
902705,599574,55.5,R11.15
R,18,67,4
902724,599622,48.6,R11.16
R,19,67,4
902689,599690,52,R11.17
R,20,67,4
902715,599771,49.8,R11.18/ LT11.1
R,21,67,4
902647,599819,57.1,R11.19
R,22,67,4
902613,599924,55.3,R11.20
R,23,67,4
902570,599964,53.8,R11.21
D,4.5
ALL,1
ALL,2
ALL,3
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ALL,22
ALL,23
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
11 - ENCINITAS TO LEUCADIA - WEST - BUILD,BLD,FT

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	- 22.*								B2.1A	147.8	
2	- 20.*								B2.1	193.7	
3	- 20.*								B2.2	206.8	
4	- 0.*								B3.1	128.5	
5	- 0.*								B3.2	261.0	
6	- 0.*								B3.3	265.4	
7	- 0.*								B3.4	123.6	
8	- 0.*								B3.5	260.2	
9	- 0.*								B3.6	310.4	
10	- 0.*								B3.7	296.8	
11	- 0.*								B3.8	321.5	
12	- 0.*								B3.9	290.4	
13	- 0.*								B1.1	91.9	
14	- 0.*								B1.2	86.1	
15	- 0.*								B1.3	112.5	
16	- 0.*								B1.4	93.4	
17	- 0.*								B1.5	51.9	
18	- 0.*								B1.6	157.8	
19	- 0.*								B71.1	116.0	
20	- 0.*								B71.2	130.1	
21	- 0.*								B71.3	83.6	
22	- 0.*								B71.4	100.6	
23	- 0.*								B71.5	89.6	
24	- 0.*								B71.6	82.1	
25	- 0.*								B71.7	24.0	
26	- 3.*								B55.5	328.0	
27	- 3.*								B55.6	323.8	
28	- 3.*								B55.7	307.2	
29	- 3.*								B55.8	333.4	
30	- 3.*								B56.1	297.6	
31	- 3.*								B56.2	240.4	
32	- 3.*								B56.3	327.0	
33	- 3.*								B56.4	381.3	
34	- 3.*								B56.5	303.2	
35	- 3.*								B56.6	308.8	
36	- 3.*								B56.7	307.1	
37	- 3.*								B56.8	293.7	
38	- 3.*								B56.9	304.8	

39	-	0.*	B4.1	310.4
40	-	0.*	B4.2	230.0
41	-	0.*	B4.3	211.8
42	-	0.*	B4.4	241.1
43	-	0.*	B4.5	208.5
44	-	0.*	B4.6	323.9
45	-	0.*	B104.1	146.4
46	-	0.*	B104.2	203.8
47	-	0.*	B104.3	192.6
48	-	0.*	B104.4	255.6
49	-	0.*	B104.5	137.0
50	-	0.*	B104.6	133.9
51	-	0.*	B104.6A	241.3
52	-	0.*	B104.7	201.4
53	-	0.*	B104.8	67.6
54	-	0.*	B104.9	32.8
55	-	0.*	B105.1	97.6
56	-	0.*	B105.2	132.9
57	-	0.*	B105.3	183.1
58	-	0.*	B105.4	59.1
59	-	0.*	B5.8	167.4
60	-	0.*	B5.9	94.7
61	-	3.*	B57.1	452.0
62	-	3.*	B57.2	459.2
63	-	3.*	B57.3	313.5
64	-	3.*	B57.4	317.5
65	-	3.*	B57.5	273.7
66	-	3.*	B57.6	273.0
67	-	3.*	B57.7	384.4
68	-	3.*	B57.8	381.9
69	-	3.*	B57.9	418.7
70	-	3.*	B58.1	392.2
71	-	3.*	B58.2	421.9
72	-	0.*	B21.1	157.5
73	-	0.*	B21.2	89.7
74	-	0.*	B21.3	160.8
75	-	0.*	B21.4	57.3

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0 1 2 3 4 5 6 7

1

REC	REC ID	DNL	PEOPLE	LEQ(CAL)
1	R11.1	67.	500.	67.8
2	R11.1A	67.	500.	67.9
3	R11.2	67.	500.	67.0
4	R11.3	67.	500.	70.5
5	R11.4/ S	67.	500.	70.4
6	R11.5	67.	500.	70.9
7	R11.5A	67.	500.	74.7

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 8  R11.6     67.    500.   74.7
 9  R11.7     67.    500.   75.2
10  R11.8     67.    500.   72.9
11  R11.9/ S  67.    500.   78.0
12  R11.10    67.    500.   71.7
13  R11.11    67.    500.   76.3
14  R11.12    67.    500.   71.6
15  R11.13/   67.    500.   74.8
16  R11.14    67.    500.   77.5
17  R11.15    67.    500.   73.9
18  R11.16    67.    500.   76.2
19  R11.17    67.    500.   74.7
20  R11.18/   67.    500.   81.4
21  R11.19    67.    500.   73.9
22  R11.20    67.    500.   72.4
23  R11.21    67.    500.   69.5
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
22.20.20. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0.
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11 - Encinitas to Leucadia - WEST SIDE - DGN,DGN,Ft
T-L33 - NB Encinitas Off-ramp,1,
950,45,24,45,26,45,
T-L34 - SB Encinitas On-ramp,2,
950,45,24,45,26,45,
T-L35 - NB Encinitas On-ramp,3,
950,45,24,45,26,45,
T-L36 - SB Encinitas Off-ramp,4,
950,45,24,45,26,45,
T-L8 - SB General Lanes - Outer,5,
3052,65,122,65,426,65,
T-L18 - SB General Lanes - Inner,6,
5217,65,183,65,0,65,
T-L58 - SB HOV Lanes,7,
3000,65,0,65,0,65,
T-L57 - NB HOV Lanes,8,
3000,65,0,65,0,65
T-L17 - NB General Lnaes - Inner,9
5217,65,183,65,0,65
T-L7 - NB General Lanes - Outer,10
3052,65,122,65,426,65
T-L2 - SB General Lanes - Outer,11
3052,65,122,65,426,65
T-L12 - SB General Lanes - Inner,12
5217,65,183,65,0,65
T-L52 - SB HOV Lanes,13
3000,65,0,65,0,65
T-L51 - NB HOV Lanes,14
3000,65,0,65,0,65
T-L11 - NB General Lanes - Inner,15
5217,65,183,65,0,65
T-L1 - NB General Lanes - Outer,16
3052,65,122,65,426,65
T-L21 - NB Leucadia Off-ramp,17
950,45,24,45,26,45
T-L22 - SB Leucadia On-ramp,18
950,45,24,45,26,45
T-L24 - SB Leucadia Off-ramp,19
950,45,24,45,26,45
T-L23 - NB Leucadia On-ramp,20
950,45,24,45,26,45
T-L4 - SB General Lanes - Outer,21
3052,65,122,65,426,65
T-L14 - SB General Lanes - Inner,22
5217,65,183,65,0,65
T-L54 - SB HOV Lanes,23
3000,65,0,65,0,65
T-L53 - NB HOV Lanes,24
3000,65,0,65,0,65
T-L13 - NB General Lanes - Inner,25
5217,65,183,65,0,65
T-L3 - NB General Lanes - Outer,26
3052,65,122,65,426,65
L33 - NB Encinitas Off-ramp,1
N,903263,597823,41.8,L33.1,
N,903244,597913,39.6,L33.2,

N,903230,598013,37.4,L33.3,
N,903219,598093,35.2,L33.4,
N,903218,598172,32.3,L33.5,
N,903219,598246,31,L33.6,
L34 - SB Encinitas On-ramp,2
N,903209,597801,41.9,L34.1,
N,903192,597860,40.8,L34.2,
N,903177,597920,39.1,L34.3,
N,903155,597995,37.5,L34.4
N,903130,598070,35.7,L34.5
N,903105,598124,34.1,L34.6
N,903075,598176,29.9,L34.7
N,903043,598228,27.2,L34.8
N,903036,598248,26.5,L34.9
N,903030,598267,26.1,L34.10
L35 - NB Encinitas On-ramp,3,
N,903220,598264,31.1,L35.1
N,903217,598284,31.2,L35.2
N,903210,598305,31.4,L35.3
N,903179,598357,32.2,L35.4
N,903149,598408,33.3,L35.5
N,903125,598463,33.7,L35.6
N,903106,598519,34,L35.7
N,903088,598576,34.3,L35.8
N,903068,598653,35.2,L35.9
N,903053,598711,36.2,L35.10
N,903033,598771,36.9,L35.11
L36 - SB Encinitas Off-ramp,4,
N,903028,598283,26,L36.1
N,903029,598340,25.9,L36.2
N,903027,598401,28.1,L36.3
N,903026,598459,30.9,L36.4
N,903025,598499,32.2,L36.5
N,903016,598558,34.3,L36.6
N,903006,598618,35,L36.7
N,903001,598657,35.9,L36.8
N,902992,598697,36.1,L36.9
N,902980,598753,36.8,L36.10
L8 - SB General Lanes - Outer,5,
N,903188,597899,39.8,L8.7
N,903164,598000,37.5,L8.8
N,903140,598101,35.8,L8.9
N,903115,598196,35,L8.10
N,903093,598288,34.6,L8.11
N,903071,598385,34.6,L8.12
L18 - SB General Lanes - Inner,6,
N,903197,597901,39.8,L18.7
N,903172,598002,37.5,L18.8
N,903148,598104,35.8,L18.9
N,903125,598198,35,L18.10
N,903103,598290,34.6,L18.11
N,903079,598388,34.6,L18.12
L58 - SB HOV Lanes,7,
N,903206,597902,40,L58.7
N,903181,598006,38,L58.8
N,903157,598106,36,L58.9

N,903134,598200,35,L58.10
N,903112,598294,34.8,L58.11
N,903089,598391,34.7,L58.12
L57 - NB HOV Lanes,8,
N,903220,597913,40,L57.7
N,903197,598013,38,L57.8
N,903173,598110,36,L57.9
N,903151,598204,35,L57.10
N,903129,598299,34.8,L57.11
N,903105,598395,34.7,L57.12
L17 - NB General Lnaes - Inner,9,
N,903231,597916,39.8,L17.7
N,903207,598015,37.8,L17.8
N,903184,598111,35.8,L17.9
N,903161,598206,34.8,L17.10
N,903138,598301,34.6,L17.11
N,903114,598397,34.6,L17.12
L7 - NB General Lanes - Outer,10,
N,903239,597918,39.8,L7.7
N,903216,598017,37.8,L7.8
N,903192,598113,35.8,L7.9
N,903169,598208,34.8,L7.10
N,903146,598304,34.6,L7.11
N,903123,598401,34.6,L7.12
L2 - SB General Lanes - Outer,11,
N,903070,598385,34.6,L2.1
N,903048,598474,34.3,L2.2
N,903031,598544,34.7,L2.3
N,903007,598641,35.6,L2.4
N,902980,598753,36.8,L2.5
N,902958,598846,37.8,L2.6
N,902936,598933,38.8,L2.7
N,902913,599029,39.8,L2.8
N,902892,599114,40.8,L2.9
N,902869,599208,41.8,L2.10
N,902837,599337,43.3,L2.11
N,902806,599471,44.8,L2.12
N,902783,599567,45.8,L2.13
N,902760,599661,46.8,L2.14
N,902742,599738,47.8,L2.15
L12 - SB General Lanes - Inner,12,
N,903079,598388,34.6,L12.1
N,903056,598475,34.3,L12.2
N,903040,598546,34.7,L12.3
N,903016,598644,35.6,L12.4
N,902990,598756,36.8,L12.5
N,902966,598848,37.8,L12.6
N,902945,598935,38.8,L12.7
N,902922,599031,39.8,L12.8
N,902902,599116,40.8,L12.9
N,902878,599209,41.8,L12.10
N,902846,599339,43.3,L12.11
N,902815,599474,44.8,L12.12
N,902792,599569,45.8,L12.13
N,902769,599663,46.8,L12.14
N,902749,599740,47.8,L12.15

L52 - SB HOV Lanes,13,
N,903089,598391,34.7,L52.1
N,903067,598479,34.4,L52.2
N,903050,598548,34.7,L52.3
N,903025,598646,35.7,L52.4
N,902998,598759,37,L52.5
N,902977,598849,38,L52.6
N,902956,598939,39,L52.7
N,902931,599033,40,L52.8
N,902911,599117,41,L52.9
N,902888,599210,42,L52.10
N,902856,599341,43.5,L52.11
N,902824,599476,45,L52.12
N,902801,599571,46,L52.13
N,902778,599666,47,L52.14
N,902759,599742,48,L52.15
L51 - NB HOV Lanes,14,
N,903105,598396,34.7,L51.1
N,903083,598484,34.4,L51.2
N,903066,598553,34.7,L51.3
N,903041,598651,35.7,L51.4
N,903014,598766,37,L51.5
N,902993,598854,38,L51.6
N,902971,598947,39,L51.7
N,902948,599035,40,L51.8
N,902927,599124,41,L51.9
N,902905,599212,42,L51.10
N,902872,599350,43.5,L51.11
N,902840,599483,45,L51.12
N,902816,599576,46,L51.13
N,902794,599670,47,L51.14
N,902774,599752,48,L51.15
L11 - NB General Lanes - Inner,15,
N,903113,598398,34.6,L11.1
N,903092,598486,34.3,L11.2
N,903075,598555,34.7,L11.3
N,903052,598653,35.6,L11.4
N,903023,598768,36.9,L11.5
N,903002,598856,37.8,L11.6
N,902978,598949,38.8,L11.7
N,902958,599038,38.8,L11.8
N,902937,599127,40.8,L11.9
N,902914,599215,41.8,L11.10
N,902882,599353,43.3,L11.11
N,902849,599486,44.8,L11.12
N,902827,599579,45.8,L11.13
N,902804,599673,46.8,L11.14
N,902784,599756,47.8,L11.15
L1 - NB General Lanes - Outer,16,
N,903122,598401,34.6,L1.1
N,903102,598489,34.3,L1.2
N,903084,598558,34.7,L1.3
N,903059,598656,35.6,L1.4
N,903033,598771,36.9,L1.5
N,903011,598859,37.8,L1.6
N,902988,598952,38.8,L1.7

N,902967,599041,38.8,L1.8
N,902945,599129,40.8,L1.9
N,902923,599218,41.8,L1.10
N,902890,599356,43.3,L1.11
N,902858,599490,44.8,L1.12
N,902834,599582,45.8,L1.13
N,902813,599676,46.8,L1.14
N,902790,599758,47.8,L1.15
L21 - NB Leucadia Off-ramp,17,
N,902813,599676,46.8,L21.1
N,902805,599723,47.1,L21.2
N,902794,599780,47.8,L21.3
N,902786,599823,48,L21.4
N,902777,599883,48.1,L21.5
N,902765,599963,49.6,L21.6
N,902760,600002,50.7,L21.7
N,902764,600062,51.8,L21.8
N,902766,600120,53.9,L21.9
L22 - SB Leucadia On-ramp,18,
N,902783,599567,45.8,L22.1
N,902769,599610,46.1,L22.2
N,902754,599668,46.9,L22.3
N,902738,599726,47.2,L22.4
N,902717,599801,47.8,L22.5
N,902706,599841,47.9,L22.6
N,902685,599898,47.7,L22.7
N,902663,599953,48.1,L22.8
N,902641,600011,50.1,L22.9
N,902629,600047,52,L22.10
N,902613,600106,53.9,L22.11
L24 - SB Leucadia Off-ramp,19,
N,902606,600148,53.7,L24.1
N,902600,600207,50.8,L24.2
N,902589,600267,46.8,L24.3
N,902582,600326,44,L24.4
N,902570,600385,42.5,L24.5
N,902563,600445,41.9,L24.6
N,902554,600504,41.6,L24.7
N,902546,600540,41.3,L24.8
L23 - NB Leucadia On-ramp,20,
N,902763,600132,53.5,L23.1
N,902756,600149,53.2,L23.2
N,902745,600168,52.6,L23.3
N,902710,600215,49.4,L23.4
N,902694,600251,46.8,L23.5
N,902676,600308,44.1,L23.6
N,902656,600366,43,L23.7
N,902639,600421,42.4,L23.8
N,902619,600499,41.5,L23.9
N,902603,600558,41.3,L23.10
N,902571,600668,39.8,L23.11
L4 - SB General Lanes - Outer,21,
N,902742,599738,47.8,L4.1
N,902724,599817,48.3,L4.2
N,902697,599932,48.3,L4.3
N,902668,600051,47.3,L4.4

N,902637,600175,45.7,L4.5
N,902609,600291,44.3,L4.6
N,902578,600418,42.7,L4.7
N,902546,600540,41.3,L4.8
L14 - SB General Lanes - Inner,22,
N,902749,599740,47.8,L14.1
N,902731,599819,48.3,L14.2
N,902703,599935,48.3,L14.3
N,902674,600053,47.3,L14.4
N,902644,600177,45.7,L14.5
N,902615,600293,44.3,L14.6
N,902584,600420,42.7,L14.7
N,902556,600542,41.3,L14.8
L54 - SB HOV Lanes,23,
N,902759,599742,48,L54.1
N,902740,599823,48.5,L54.2
N,902712,599939,48.5,L54.3
N,902684,600056,47.5,L54.4
N,902653,600179,46,L54.5
N,902625,600294,44.5,L54.6
N,902594,600423,43,L54.7
N,902564,600544,41.5,L54.8
L53 - NB HOV Lanes,24,
N,902774,599752,48,L53.1
N,902755,599832,48.5,L53.2
N,902727,599945,48.5,L53.3
N,902700,600058,47.5,L53.4
N,902670,600182,46,L53.5
N,902641,600298,44.5,L53.6
N,902611,600423,43,L53.7
N,902582,600543,41.5,L53.8
L13 - NB General Lanes - Inner,25,
N,902784,599756,47.8,L13.1
N,902764,599835,48.3,L13.2
N,902737,599948,48.3,L13.3
N,902710,600061,47.3,L13.4
N,902681,600184,45.7,L13.5
N,902651,600301,44.3,L13.6
N,902621,600426,42.7,L13.7
N,902591,600546,41.3,L13.8
L3 - NB General Lanes - Outer,26
N,902790,599758,47.8,L3.1,
N,902771,599836,48.3,L3.2,
N,902743,599949,48.3,L3.3,
N,902716,600063,47.3,L3.4,
N,902687,600185,45.7,L3.5,
N,902657,600303,44.3,L3.6,
N,902628,600429,42.7,L3.7,
N,902600,600549,41.3,L3.8,
B2 - Comm Building SB Side ST 680,1,2,0,0,
902892,598425,25.5,33.1,B2.1A,
902937,598427,26.7,32.8,B2.1,
902996,598429,26.7,32.8,B2.2,
902994,598492,26.6,32.7,B2.3,
B3 - SB Shoulder ST 680 to 686,2,2,0,0,
903023,598440,30.2,30.2,B3.1,

903020,598479,31.5,31.5,B3.2,
903011,598558,34.3,34.3,B3.3,
902999,598638,35.3,35.3,B3.4,
902992,598675,36,36,B3.5,
902973,598752,36.8,36.8,B3.6,
902962,598798,37.3,37.3,B3.6A,
B3 - SB Shoulder ST 680 to 686 Soundwall,3,2,0,0,
902962,598798,37.3,41.0,B3.6A,
902951,598844,37.8,41.5,B3.7,
902930,598932,38.8,42.5,B3.8,
902906,599027,39.8,43.5,B3.9,
902885,599113,40.2,43.9,B3.10,
B1 - SB Nat Bar to R11.3 Prop Line,4,2,0,0,
902931,598580,26,26,B1.1,
902913,598599,36,36,B1.2,
902898,598619,44,44,B1.3,
902882,598649,48.5,48.5,B1.4,
902873,598676,48.5,48.5,B1.5,
B71 - Prop Line R11.1-R11.2,5,2,0,0,
902836,598513,26.5,26.5,B71.1,
902868,598528,27,27,B71.2,
902869,598567,34,34,B71.3,
902866,598592,38,38,B71.4,
902868,598622,44,44,B71.5,
902867,598649,48,48,B71.6,
902866,598674,48,48,B71.7,
902873,598676,48.5,48.5,B1.5,
902878,598691,48.5,48.5,B1.6,
902864,598737,48.5,48.5,B1.7,
B55 - Center Divider,6,2,0,0,
903189,598011,38,39,B55.5,
903165,598108,36,37,B55.6,
903142,598204,35,36,B55.7,
903120,598295,34.8,35.8,B55.8,
903097,598394,34.7,35.7,B55.9,
B56 - Center Divider,7,2,0,0,
903097,598393,34.7,35.7,B56.1,
903075,598481,34.4,35.4,B56.2,
903057,598552,34.7,35.7,B56.3,
903034,598649,35.7,36.7,B56.4,
903007,598762,37,38,B56.5,
902986,598852,38,39,B56.6,
902962,598943,39,40,B56.7,
902940,599034,40,41,B56.8,
902919,599121,41,42,B56.9,
902896,599211,42,43,B56.10,
B4 - SB Shoulder ST 686 to 694 Soundwall,8,2,0,0,
902885,599113,40.8,45.1,B4.1,
902863,599205,41.8,46.1,B4.2,
902863,599205,41.8,46.7,B4.2,
902846,599273,42.6,47.5,B4.3,
902832,599336,43.3,48.2,B4.4,
902813,599407,44.1,49.0,B4.5,
902799,599469,44.8,49.7,B4.6,
902776,599565,45.8,50.7,B4.7,
B104 SB Leucadia on-ramp (a),9,2,0,0,

902776,599565,45.8,50.7,B104.1,
902764,599608,46.2,51.1,B104.2,
902748,599668,46.9,51.8,B104.3,
902734,599725,47.2,52.1,B104.4,
902713,599800,47.8,52.7,B104.5,
902701,599840,47.9,52.8,B104.6,
902664,599823,50.8,55.7,B104.6A,
902664,599823,50.8,55.1,B104.6A,
902679,599895,51.1,55.4,B104.7,
902654,599951,53.3,57.6,B104.8,
902646,599970,53.7,58.0,B104.9,
B105 SB Leucadia on-ramp (b),10,2,0,0,
902646,599970,53.7,58.0,B104.9,
902646,599980,53.2,57.5,B105.1,
902636,600008,52.2,56.5,B105.2,
902622,600046,52,56.3,B105.3,
902622,600046,52,52,B105.3,
902608,600100,53.8,53.8,B105.4,
902593,600110,54.2,54.2,B5.8,
B5 - SB Leucadia Bridge ,11,2,0,0,
902593,600110,54.2,54.2,B5.8,
902644,600112,54,54,B5.9,
902637,600140,54,54,B5.10,
B57 - Center Divider,12,2,0,0,
902896,599211,42,43,B57.1,
902864,599345,43.5,44.5,B57.2,
902831,599481,45,46,B57.3,
902809,599574,46,47,B57.4,
902786,599668,47,48,B57.5,
902766,599749,48,49,B57.6,
902747,599830,48.5,49.5,B57.7,
902720,599944,48.5,49.5,B57.8,
902692,600057,47.5,48.5,B57.9,
902662,600181,46,47,B57.10,
B58 - Center Divider,13,2,0,0,
902662,600181,46,47,B58.1,
902633,600297,44.5,45.5,B58.2,
902603,600422,43,44,B58.3,
B21 - Nat Bar Leucadia Bridge,14,2,0,0,
902637,600140,54,54,B21.1,
902589,600139,54,54,B21.2,
902585,600166,55.5,55.5,B21.3,
902583,600215,55,55,B21.4,
902583,600231,48,48,B21.5,
R,1,67,4
902861,598530,28.4,R11.1
R,2,67,4
902863,598589,38.8,R11.1A
R,3,67,4
902861,598630,44.8,R11.2
R,4,67,4
902869,598694,51.1,R11.3
R,5,67,4
902849,598785,51,R11.4/ ST11.2
R,6,67,4
902810,598932,51.5,R11.5

R,7,67,4
902861,598916,39.5,R11.5A
R,8,67,4
902856,598970,38.2,R11.6
R,9,67,4
902860,599050,37.8,R11.7
R,10,67,4
902809,599088,51.6,R11.8
R,11,67,4
902831,599123,47,R11.9/ ST11.4
R,12,67,4
902767,599167,55.1,R11.10
R,13,67,4
902838,599249,39.2,R11.11
R,14,67,4
902726,599338,48.2,R11.12
R,15,67,4
902757,599424,47.1,R11.13/ ST11.5
R,16,67,4
902757,599525,48.5,R11.14
R,17,67,4
902705,599574,55.5,R11.15
R,18,67,4
902724,599622,48.6,R11.16
R,19,67,4
902689,599690,52,R11.17
R,20,67,4
902715,599771,49.8,R11.18/ LT11.1
R,21,67,4
902647,599819,57.1,R11.19
R,22,67,4
902613,599924,55.3,R11.20
R,23,67,4
902570,599964,53.8,R11.21
D,4.5
ALL,1
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SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
11 - ENCINITAS TO LEUCADIA - WEST SIDE - DGN,DGN,FT

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	- 22.*								B2.1A	147.8	
2	- 20.*								B2.1	193.7	
3	- 20.*								B2.2	206.8	
4	- 0.*								B3.1	128.5	
5	- 0.*								B3.2	261.0	
6	- 0.*								B3.3	265.4	
7	- 0.*								B3.4	123.6	
8	- 0.*								B3.5	260.2	
9	- 0.*								B3.6	155.2	
10	- 12.*								B3.6A	155.2	
11	- 12.*								B3.7	296.8	
12	- 12.*								B3.8	321.5	
13	- 12.*								B3.9	290.4	
14	- 0.*								B1.1	91.9	
15	- 0.*								B1.2	86.1	
16	- 0.*								B1.3	112.5	
17	- 0.*								B1.4	93.4	
18	- 0.*								B71.1	116.0	
19	- 0.*								B71.2	130.1	
20	- 0.*								B71.3	83.6	
21	- 0.*								B71.4	100.6	
22	- 0.*								B71.5	89.6	
23	- 0.*								B71.6	82.1	
24	- 0.*								B71.7	24.0	
25	- 0.*								B1.5	51.9	
26	- 0.*								B1.6	157.8	
27	- 3.*								B55.5	328.0	
28	- 3.*								B55.6	323.8	
29	- 3.*								B55.7	307.2	
30	- 3.*								B55.8	333.4	
31	- 3.*								B56.1	297.6	
32	- 3.*								B56.2	240.4	
33	- 3.*								B56.3	327.0	
34	- 3.*								B56.4	381.3	
35	- 3.*								B56.5	303.2	
36	- 3.*								B56.6	308.8	
37	- 3.*								B56.7	307.1	

38	-	3.*	B56.8	293.7
39	-	3.*	B56.9	304.8
40	-	14.*	B4.1	310.4
41	-	15.*	B4.2	2.0
42	-	16.*	B4.2	230.0
43	-	16.*	B4.3	211.8
44	-	16.*	B4.4	241.1
45	-	16.*	B4.5	208.5
46	-	16.*	B4.6	323.9
47	-	16.*	B104.1	146.4
48	-	16.*	B104.2	203.8
49	-	16.*	B104.3	192.6
50	-	16.*	B104.4	255.6
51	-	16.*	B104.5	137.0
52	-	16.*	B104.6	133.9
53	-	15.*	B104.6A	1.9
54	-	14.*	B104.6A	241.3
55	-	14.*	B104.7	201.4
56	-	14.*	B104.8	67.6
57	-	14.*	B104.9	32.8
58	-	14.*	B105.1	97.6
59	-	14.*	B105.2	132.9
60	-	7.*	B105.3	14.1
61	-	0.*	B105.3	183.1
62	-	0.*	B105.4	59.1
63	-	0.*	B5.8	167.4
64	-	0.*	B5.9	94.7
65	-	3.*	B57.1	452.0
66	-	3.*	B57.2	459.2
67	-	3.*	B57.3	313.5
68	-	3.*	B57.4	317.5
69	-	3.*	B57.5	273.7
70	-	3.*	B57.6	273.0
71	-	3.*	B57.7	384.4
72	-	3.*	B57.8	381.9
73	-	3.*	B57.9	418.7
74	-	3.*	B58.1	392.2
75	-	3.*	B58.2	421.9
76	-	0.*	B21.1	157.5
77	-	0.*	B21.2	89.7
78	-	0.*	B21.3	160.8
79	-	0.*	B21.4	57.3

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0 1 2 3 4 5 6 7

1

REC	REC ID	DNL	PEOPLE	LEQ(CAL)
1	R11.1	67.	500.	67.8
2	R11.1A	67.	500.	67.9

```
 3  R11.2     67.    500.   67.1
 4  R11.3     67.    500.   70.4
 5  R11.4/ S  67.    500.   70.0
 6  R11.5     67.    500.   69.5
 7  R11.5A    67.    500.   69.9
 8  R11.6     67.    500.   68.8
 9  R11.7     67.    500.   68.2
10  R11.8     67.    500.   71.1
11  R11.9/ S  67.    500.   72.5
12  R11.10    67.    500.   69.6
13  R11.11    67.    500.   66.1
14  R11.12    67.    500.   66.9
15  R11.13/   67.    500.   68.3
16  R11.14    67.    500.   70.1
17  R11.15    67.    500.   70.9
18  R11.16    67.    500.   68.9
19  R11.17    67.    500.   70.2
20  R11.18/   67.    500.   69.7
21  R11.19    67.    500.   72.2
22  R11.20    67.    500.   67.3
23  R11.21    67.    500.   65.3
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
22.20.20. 0. 0. 0. 0. 0. 0.12.12.12.12. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.14.15.16.16.16.16.16.16.16.16.
16.16.15.14.14.14.14.14.14. 7. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
 0. 0. 0. 0.
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11 - Encinitas to Leucadia EAST SIDE Future No-Build,0,Ft,
T-L33 - NB Encinitas Off-ramp,1
694,45,18,45,19,45
T-L34 - SB Encinitas On-ramp,2
684,45,17,45,19,45
T-L35 - NB Encinitas On-ramp,3
836,45,21,45,23,45
T-L36 - SB Encinitas Off-ramp,4
665,45,17,45,18,45
T-L8 - SB General Lanes - Outer,5
0,65,0,65,0,65
T-L18 - SB General Lanes - Inner,6
3269,65,87,65,244,65
T-L58 - SB General (Future HOV Lanes),7
3513,65,87,65,0,65
T-L57 - NB General (Future HOV Lanes),8
3513,65,87,65,0,65
T-L17 - NB General Lanes - Inner,9
3269,65,87,65,244,65
T-L7 - NB General Lanes - Outer,10
0,65,0,65,0,65
T-L2 - SB General Lanes - Outer,11
0,65,0,65,0,65
T-L12 - SB General Lanes - Inner,12
3269,65,87,65,244,65
T-L52 - SB General (Future HOV Lanes),13
3513,65,87,65,0,65
T-L51 - NB General (Future HOV Lanes),14
3513,65,87,65,0,65
T-L11 - NB General Lanes - Inner,15
3269,65,87,65,244,65
T-L1 - NB General Lanes - Outer,16
0,65,0,65,0,65
T-L21 - NB Leucadia Off-ramp,17
884,45,22,45,24,45
T-L92 - Existing SB Leucadia On-ramp,18
713,45,18,45,20,45
T-L24 - SB Leucadia Off-ramp,19
770,45,19,45,21,45
T-L23 - NB Leucadia On-ramp,20
551,45,14,45,15,45
T-L4 - SB General Lanes - Outer,21
0,65,0,65,0,65
T-L14 - SB General Lanes - Inner,22
3269,65,87,65,244,65
T-L54 - SB General (Future HOV Lanes),23
3513,65,87,65,0,65
T-L53 - NB General (Future HOV Lanes),24
3513,65,87,65,0,65
T-L13 - NB General Lanes - Inner,25
3269,65,87,65,244,65
T-L3 - NB General Lanes - Outer,26
0,65,0,65,0,65
L33 - NB Encinitas Off-ramp,1
N,903263,597823,41.8,L33.1,
N,903244,597913,39.6,L33.2,

N,903230,598013,37.4,L33.3,
N,903219,598093,35.2,L33.4,
N,903218,598172,32.3,L33.5,
N,903219,598246,31,L33.6,
L34 - SB Encinitas On-ramp,2
N,903212,597802,41.9,L34.1,
N,903183,597899,39.6,L34.2,
N,903157,597996,37.3,L34.3,
N,903126,598090,35.3,L34.4
N,903104,598146,32.3,L34.5
N,903074,598197,28.7,L34.6
N,903031,598265,25.7,L34.7
L35 - NB Encinitas On-ramp,3,
N,903219,598270,31.2,L35.1
N,903179,598335,31.9,L35.2
N,903142,598404,33.3,L35.3
N,903110,598499,33.9,L35.4
N,903087,598576,34.4,L35.5
N,903067,598652,35.3,L35.6
N,903033,598771,36.9,L35.7
L36 - SB Encinitas Off-ramp,4,
N,903033,598289,26,L36.1
N,903033,598341,25.7,L36.2
N,903032,598381,27.1,L36.3
N,903029,598440,30.2,L36.4
N,903025,598479,31.5,L36.5
N,903015,598558,34.3,L36.6
N,903003,598638,34.7,L36.7
N,902996,598676,35.6,L36.8
N,902980,598753,36.8,L36.9
L8 - SB General Lanes - Outer,5,
N,903188,597899,39.8,L8.7
N,903164,598000,37.5,L8.8
N,903140,598101,35.8,L8.9
N,903115,598196,35,L8.10
N,903093,598288,34.6,L8.11
N,903071,598385,34.6,L8.12
L18 - SB General Lanes - Inner,6,
N,903197,597901,39.8,L18.7
N,903172,598002,37.5,L18.8
N,903148,598104,35.8,L18.9
N,903125,598198,35,L18.10
N,903103,598290,34.6,L18.11
N,903079,598388,34.6,L18.12
L58 - SB HOV Lanes,7,
N,903206,597902,40,L58.7
N,903181,598006,38,L58.8
N,903157,598106,36,L58.9
N,903134,598200,35,L58.10
N,903112,598294,34.8,L58.11
N,903089,598391,34.7,L58.12
L57 - NB HOV Lanes,8,
N,903220,597913,40,L57.7
N,903197,598013,38,L57.8
N,903173,598110,36,L57.9
N,903151,598204,35,L57.10

N,903129,598299,34.8,L57.11
N,903105,598395,34.7,L57.12
L17 - NB General Lnaes - Inner,9,
N,903231,597916,39.8,L17.7
N,903207,598015,37.8,L17.8
N,903184,598111,35.8,L17.9
N,903161,598206,34.8,L17.10
N,903138,598301,34.6,L17.11
N,903114,598397,34.6,L17.12
L7 - NB General Lanes - Outer,10,
N,903239,597918,39.8,L7.7
N,903216,598017,37.8,L7.8
N,903192,598113,35.8,L7.9
N,903169,598208,34.8,L7.10
N,903146,598304,34.6,L7.11
N,903123,598401,34.6,L7.12
L2 - SB General Lanes - Outer,11,
N,903070,598385,34.6,L2.1
N,903048,598474,34.3,L2.2
N,903031,598544,34.7,L2.3
N,903007,598641,35.6,L2.4
N,902980,598753,36.8,L2.5
N,902958,598846,37.8,L2.6
N,902936,598933,38.8,L2.7
N,902913,599029,39.8,L2.8
N,902892,599114,40.8,L2.9
N,902869,599208,41.8,L2.10
N,902837,599337,43.3,L2.11
N,902806,599471,44.8,L2.12
N,902783,599567,45.8,L2.13
N,902760,599661,46.8,L2.14
N,902742,599738,47.8,L2.15
L12 - SB General Lanes - Inner,12,
N,903079,598388,34.6,L12.1
N,903056,598475,34.3,L12.2
N,903040,598546,34.7,L12.3
N,903016,598644,35.6,L12.4
N,902990,598756,36.8,L12.5
N,902966,598848,37.8,L12.6
N,902945,598935,38.8,L12.7
N,902922,599031,39.8,L12.8
N,902902,599116,40.8,L12.9
N,902878,599209,41.8,L12.10
N,902846,599339,43.3,L12.11
N,902815,599474,44.8,L12.12
N,902792,599569,45.8,L12.13
N,902769,599663,46.8,L12.14
N,902749,599740,47.8,L12.15
L52 - SB HOV Lanes,13,
N,903089,598391,34.7,L52.1
N,903067,598479,34.4,L52.2
N,903050,598548,34.7,L52.3
N,903025,598646,35.7,L52.4
N,902998,598759,37,L52.5
N,902977,598849,38,L52.6
N,902956,598939,39,L52.7

N,902931,599033,40,L52.8
N,902911,599117,41,L52.9
N,902888,599210,42,L52.10
N,902856,599341,43.5,L52.11
N,902824,599476,45,L52.12
N,902801,599571,46,L52.13
N,902778,599666,47,L52.14
N,902759,599742,48,L52.15
L51 - NB HOV Lanes,14,
N,903105,598396,34.7,L51.1
N,903083,598484,34.4,L51.2
N,903066,598553,34.7,L51.3
N,903041,598651,35.7,L51.4
N,903014,598766,37,L51.5
N,902993,598854,38,L51.6
N,902971,598947,39,L51.7
N,902948,599035,40,L51.8
N,902927,599124,41,L51.9
N,902905,599212,42,L51.10
N,902872,599350,43.5,L51.11
N,902840,599483,45,L51.12
N,902816,599576,46,L51.13
N,902794,599670,47,L51.14
N,902774,599752,48,L51.15
L11 - NB General Lanes - Inner,15,
N,903113,598398,34.6,L11.1
N,903092,598486,34.3,L11.2
N,903075,598555,34.7,L11.3
N,903052,598653,35.6,L11.4
N,903023,598768,36.9,L11.5
N,903002,598856,37.8,L11.6
N,902978,598949,38.8,L11.7
N,902958,599038,38.8,L11.8
N,902937,599127,40.8,L11.9
N,902914,599215,41.8,L11.10
N,902882,599353,43.3,L11.11
N,902849,599486,44.8,L11.12
N,902827,599579,45.8,L11.13
N,902804,599673,46.8,L11.14
N,902784,599756,47.8,L11.15
L1 - NB General Lanes - Outer,16,
N,903122,598401,34.6,L1.1
N,903102,598489,34.3,L1.2
N,903084,598558,34.7,L1.3
N,903059,598656,35.6,L1.4
N,903033,598771,36.9,L1.5
N,903011,598859,37.8,L1.6
N,902988,598952,38.8,L1.7
N,902967,599041,38.8,L1.8
N,902945,599129,40.8,L1.9
N,902923,599218,41.8,L1.10
N,902890,599356,43.3,L1.11
N,902858,599490,44.8,L1.12
N,902834,599582,45.8,L1.13
N,902813,599676,46.8,L1.14
N,902790,599758,47.8,L1.15

L21 - NB Leucadia Off-ramp,17,
N,902813,599676,46.8,L21.1
N,902800,599736,47.3,L21.2
N,902785,599799,47.8,L21.3
N,902770,599898,48.2,L21.4
N,902762,599957,49.4,L21.5
N,902759,600015,50.8,L21.6
N,902761,600057,51.8,L21.7
N,902764,600106,53.3,L21.8
L22 - SB Leucadia On-ramp,18,
N,902760,599661,46.8,L22.1
N,902741,599727,47.5,L22.2
N,902721,599804,48,L22.3
N,902693,599891,48.1,L22.4
N,902667,599966,49.7,L22.5
N,902644,600031,51.3,L22.6
N,902614,600105,53.7,L22.7
L24 - SB Leucadia Off-ramp,19,
N,902607,600143,53.9,L24.1
N,902603,600189,52.2,L24.2
N,902596,600248,48.3,L24.3
N,902589,600306,44.7,L24.4
N,902582,600347,43.3,L24.5
N,902570,600426,42.4,L24.6
N,902563,600466,42,L24.7
N,902546,600540,41.3,L24.8
L23 - NB Leucadia On-ramp,20,
N,902728,600187,53,L23.1
N,902714,600184,52.8,L23.2
N,902700,600191,52,L23.3
N,902694,600209,51.2,L23.4
N,902682,600268,46.9,L23.5
N,902676,600290,45,L23.6
N,902664,600326,43.9,L23.7
N,902646,600383,43,L23.8
N,902630,600441,42.4,L23.9
N,902615,600500,41.7,L23.10
N,902600,600549,41.3,L23.11
L4 - SB General Lanes - Outer,21,
N,902742,599738,47.8,L4.1
N,902724,599817,48.3,L4.2
N,902697,599932,48.3,L4.3
N,902668,600051,47.3,L4.4
N,902637,600175,45.7,L4.5
N,902609,600291,44.3,L4.6
N,902578,600418,42.7,L4.7
N,902546,600540,41.3,L4.8
L14 - SB General Lanes - Inner,22,
N,902749,599740,47.8,L14.1
N,902731,599819,48.3,L14.2
N,902703,599935,48.3,L14.3
N,902674,600053,47.3,L14.4
N,902644,600177,45.7,L14.5
N,902615,600293,44.3,L14.6
N,902584,600420,42.7,L14.7
N,902556,600542,41.3,L14.8

L54 - SB HOV Lanes,23,
N,902759,599742,48,L54.1
N,902740,599823,48.5,L54.2
N,902712,599939,48.5,L54.3
N,902684,600056,47.5,L54.4
N,902653,600179,46,L54.5
N,902625,600294,44.5,L54.6
N,902594,600423,43,L54.7
N,902564,600544,41.5,L54.8
L53 - NB HOV Lanes,24,
N,902774,599752,48,L53.1
N,902755,599832,48.5,L53.2
N,902727,599945,48.5,L53.3
N,902700,600058,47.5,L53.4
N,902670,600182,46,L53.5
N,902641,600298,44.5,L53.6
N,902611,600423,43,L53.7
N,902582,600543,41.5,L53.8
L13 - NB General Lanes - Inner,25,
N,902784,599756,47.8,L13.1
N,902764,599835,48.3,L13.2
N,902737,599948,48.3,L13.3
N,902710,600061,47.3,L13.4
N,902681,600184,45.7,L13.5
N,902651,600301,44.3,L13.6
N,902621,600426,42.7,L13.7
N,902591,600546,41.3,L13.8
L3 - NB General Lanes - Outer,26,
N,902790,599758,47.8,L3.1
N,902771,599836,48.3,L3.2
N,902743,599949,48.3,L3.3
N,902716,600063,47.3,L3.4
N,902687,600185,45.7,L3.5
N,902657,600303,44.3,L3.6
N,902628,600429,42.7,L3.7
N,902600,600549,41.3,L3.8
B6 - 9' Prop wall glass/block at MFR NB Side ST 678 to 680,1,2,0,0
903250,598314,44,46.7,B6.1
903216,598348,44,46.7,B6.2
903193,598389,44.1,46.8,B6.3
903162,598434,45.8,48.5,B6.4
903144,598478,46.3,49,B6.5
903123,598535,47,49.7,B6.6
903123,598535,48,48,B6.6
903137,598536,48,48,B6.7
B7 - ROW/ Prop Line at YMCA NB Side,2,2,0,0
903128,598539,49,49,B7.1
903120,598562,48,48,B7.2
903108,598598,48.5,48.5,B7.3
903091,598655,47.5,47.5,B7.4
903075,598707,47.5,47.5,B7.5
903082,598714,50.5,50.5,B7.6
903062,598793,51,51,B7.7
903048,598843,51.5,51.5,B7.8
903035,598909,51,51,B7.9
903013,598924,47,47,B7.10

B8 - ROW NB Side ST 685 to 699,3,2,0,0
903013,598924,47,47,B8.1
902998,598966,44,44,B8.2
902983,599009,39,39,B8.3
902974,599042,38.8,38.8,B8.4
902961,599091,40,40,B8.5
902956,599125,41,41,B8.6
902943,599181,46,46,B8.7
902933,599220,46,46,B8.8
902925,599264,48,48,B8.9
902918,599299,50,50,B8.10
B9 - ROW NB Side ST 688 to 691,4,2,0,0
902918,599299,50,50,B9.1
902908,599334,49,49,B9.2
902897,599362,46,46,B9.3
902883,599425,46,46,B9.4
902875,599465,47.5,47.5,B9.5
902864,599509,46,46,B9.6
902856,599557,48,48,B9.7
902853,599577,45.8,45.8,B9.8
902847,599604,44.5,44.5,B9.9
B10 - Buildings Nursery NB Side ST 689,5,2,0,0
902956,599369,49,53.6,B10.1
902907,599368,47.5,52.1,B10.2
902899,599437,47.5,52.1,B10.3
902885,599484,48,52.6,B10.4
902891,599532,49,53.6,B10.5
902921,599531,50,54.6,B10.6
B55 - Center Divider,6,2,0,0
903189,598011,38,39,B55.5
903165,598108,36,37,B55.6
903142,598204,35,36,B55.7
903120,598295,34.8,35.8,B55.8
903097,598394,34.7,35.7,B55.9
B56 - Center Divider,7,2,0,0
903097,598393,34.7,35.7,B56.1
903075,598481,34.4,35.4,B56.2
903057,598552,34.7,35.7,B56.3
903034,598649,35.7,36.7,B56.4
903007,598762,37,38,B56.5
902986,598852,38,39,B56.6
902962,598943,39,40,B56.7
902940,599034,40,41,B56.8
902919,599121,41,42,B56.9
902896,599211,42,43,B56.10
B57 - Center Divider,8,2,0,0
902896,599211,42,43,B57.1
902864,599345,43.5,44.5,B57.2
902831,599481,45,46,B57.3
902809,599574,46,47,B57.4
902786,599668,47,48,B57.5
902766,599749,48,49,B57.6
902747,599830,48.5,49.5,B57.7
902720,599944,48.5,49.5,B57.8
902692,600057,47.5,48.5,B57.9
902662,600181,46,47,B57.10

B58 - Center Divider,9,2,0,0
902662,600181,46,47,B58.1
902633,600297,44.5,45.5,B58.2
902603,600422,43,44,B58.3
B12 - NB Shoulder to ROW ST 691 to 696,10,2,0,0
902842,599584,45.8,45.8,B12.1
902822,599671,47,47,B12.2
902812,599718,50,50,B12.3
902804,599763,52,52,B12.4
902800,599809,52,52,B12.5
902792,599865,52.5,52.5,B12.6
902783,599915,53.1,53.1,B12.7
902781,599967,54,54,B12.8
902781,600009,54.5,54.5,B12.9
902780,600074,54,54,B12.10
B11 - Greenhouse Building NB Side ST 693,12,2,0,0
902865,599725,50.5,55.1,B11.1
902823,599722,50.5,55.1,B11.2
902828,599816,53.5,58.1,B11.3
902888,599818,54.5,59.1,B11.4
B13 - 3-story Holiday Inn Bldg ST 696,13,2,0,0
902792,600000,54.5,65.5,B13.1
902811,600000,54.5,65.5,B13.2
902814,600077,54.5,65.5,B13.3
902823,600089,54.5,65.5,B13.4
B18 - NB Leucadia Bridge,14,2,0,0
902752,600065,52,52,B18.1
902754,600111,53.3,53.3,B18.2
902709,600111,53.7,53.7,B18.3
902702,600140,53.7,53.7,B18.4
902754,600139,53.5,53.5,B18.5
902736,600178,53,53,B18.6
902723,600207,52.5,52.5,B18.7
902691,600279,50,50,B18.8
902675,600322,49,49,B18.9
902662,600370,46,46,B18.10
B80 - 3' Berm at Park on NB Side,15,1,0,0
902995,599030,39.5,40.5,B80.1
903016,599080,39.5,40.5,B80.2
B81.1 - Pet Hotel Buildings at R11.30,16,2,0,0
902943,599258,48,52.9,B81.1
902939,599272,48,52.9,B81.2
902936,599279,51,55.9,B81.3
902925,599297,51,55.9,B81.4
902935,599316,51,55.9,B81.5
B82.1 - House at R11.29,17,2,0,0
902950,599199,48.2,53.2,B82.1
902976,599225,48.4,53.4,B82.2
R,1,67,4
903224,598344,45.5,R11.22
R,2,67,4
903139,598500,48.5,R11.23/ ST11.1
R,3,67,4
903118,598613,50.9,R11.24
R,4,67,4
903060,598856,53.5,R11.25

R,5,67,4
903046,599005,46.5,R11.26
R,6,67,4
903004,599032,41.2,R11.27/ ST11.3
R,7,67,4
903049,599100,47.8,R11.28
R,8,67,4
902957,599227,49.5,R11.29
R,9,67,4
902963,599327,54.2,R11.30
R,10,67,4
902898,599549,50.7,R11.31/ ST11.6
R,11,67,4
902899,599631,46,R11.31A
R,12,67,4
902839,599665,46.5,R11.32
R,13,67,4
902866,599835,56.2,R11.33
R,14,67,4
902811,599876,54.8,R11.34/ LT11.2
R,15,67,4
902791,599921,55,R11.35/ ST11.35
R,16,67,4
902826,599983,57.2,R11.36
R,17,67,4
902821,600069,55.8,R11.37
R,18,67,4
902973,599203,49.8,R11.29A
K,2
ALL,1
ALL,2
D,4.5
ALL,3
ALL,4
ALL,5
ALL,6
ALL,7
ALL,9
ALL,10
ALL,11
ALL,12
ALL,13
ALL,14
ALL,15
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
11 - ENCINITAS TO LEUCADIA EAST SIDE FUTURE NO-BUILD,0,FT

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	- 9.*								B6.1	157.8	
2	- 9.*								B6.2	154.2	
3	- 9.*								B6.3	179.3	
4	- 9.*								B6.4	156.0	
5	- 9.*								B6.5	199.3	
6	- 4.*								B6.6	5.6	
7	- 0.*								B6.6	46.0	
8	- 0.*								B7.1	80.0	
9	- 0.*								B7.2	124.5	
10	- 0.*								B7.3	195.2	
11	- 0.*								B7.4	178.5	
12	- 0.*								B7.5	34.0	
13	- 0.*								B7.6	267.4	
14	- 0.*								B7.7	170.3	
15	- 0.*								B7.8	220.7	
16	- 0.*								B7.9	88.4	
17	- 0.*								B8.1	146.6	
18	- 0.*								B8.2	150.3	
19	- 0.*								B8.3	112.3	
20	- 0.*								B8.4	166.4	
21	- 0.*								B8.5	112.7	
22	- 0.*								B8.6	189.3	
23	- 0.*								B8.7	132.1	
24	- 0.*								B8.8	146.8	
25	- 0.*								B8.9	117.4	
26	- 0.*								B9.1	119.4	
27	- 0.*								B9.2	99.2	
28	- 0.*								B9.3	211.7	
29	- 0.*								B9.4	133.9	
30	- 0.*								B9.5	148.8	
31	- 0.*								B9.6	159.8	
32	- 0.*								B9.7	66.7	
33	- 0.*								B9.8	90.8	
34	- 15.*								B10.1	160.9	
35	- 15.*								B10.2	227.9	
36	- 15.*								B10.3	160.9	
37	- 15.*								B10.4	158.8	
38	- 15.*								B10.5	98.5	

39	- 3.*	B55.5	328.0
40	- 3.*	B55.6	323.8
41	- 3.*	B55.7	307.2
42	- 3.*	B55.8	333.4
43	- 3.*	B56.1	297.6
44	- 3.*	B56.2	240.4
45	- 3.*	B56.3	327.0
46	- 3.*	B56.4	381.3
47	- 3.*	B56.5	303.2
48	- 3.*	B56.6	308.8
49	- 3.*	B56.7	307.1
50	- 3.*	B56.8	293.7
51	- 3.*	B56.9	304.8
52	- 3.*	B57.1	452.0
53	- 3.*	B57.2	459.2
54	- 3.*	B57.3	313.5
55	- 3.*	B57.4	317.5
56	- 3.*	B57.5	273.7
57	- 3.*	B57.6	273.0
58	- 3.*	B57.7	384.4
59	- 3.*	B57.8	381.9
60	- 3.*	B57.9	418.7
61	- 3.*	B58.1	392.2
62	- 3.*	B58.2	421.9
63	- 0.*	B12.1	292.9
64	- 0.*	B12.2	158.0
65	- 0.*	B12.3	150.2
66	- 0.*	B12.4	151.5
67	- 0.*	B12.5	185.6
68	- 0.*	B12.6	166.7
69	- 0.*	B12.7	170.8
70	- 0.*	B12.8	137.8
71	- 0.*	B12.9	213.2
72	- 15.*	B11.1	138.1
73	- 15.*	B11.2	309.0
74	- 15.*	B11.3	197.0
75	- 36.*	B13.1	62.3
76	- 36.*	B13.2	252.9
77	- 36.*	B13.3	49.1
78	- 0.*	B18.1	151.1
79	- 0.*	B18.2	147.6
80	- 0.*	B18.3	97.9
81	- 0.*	B18.4	170.6
82	- 0.*	B18.5	140.9
83	- 0.*	B18.6	104.4
84	- 0.*	B18.7	258.6
85	- 0.*	B18.8	150.5
86	- 0.*	B18.9	163.4

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87    -  3.*                        B80.1      178.0

88    - 16.*                         B81.1       47.7
89    - 16.*                         B81.2       26.9
90    - 16.*                         B81.3       69.2
91    - 16.*                         B81.4       70.4
-------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
---------------------------------
 1  REC 1     67.    500.   66.2
 2  REC 2     67.    500.   69.8
 3  REC 3     67.    500.   72.1
 4  REC 4     67.    500.   71.0
 5  REC 5     67.    500.   70.0
 6  R11.27/   67.    500.   73.1
 7  R11.28    67.    500.   69.3
 8  R11.29    67.    500.   74.6
 9  R11.30    67.    500.   68.8
10  R11.31/   67.    500.   72.1
11  R11.31A   67.    500.   69.9
12  R11.32    67.    500.   74.9
13  R11.33    67.    500.   68.0
14  R11.34/   67.    500.   72.9
15  R11.35/   67.    500.   74.5
16  R11.36    67.    500.   69.4
17  R11.37    67.    500.   59.6
18  R11.29A   67.    500.   72.4
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 9. 9. 9. 9. 9. 4. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 0. 0. 0. 0. 0. 0. 0. 0.15.15.15.15.15. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0.15.15.15.36.
36.36. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3.16.16.16.16.
```

11 - Encinitas to Leucadia EAST - SOUTH SIDE - Build,BLD,Ft,
T-L33 - NB Encinitas Off-ramp,1
950,45,24,45,26,45
T-L34 - SB Encinitas On-ramp,2
950,45,24,45,26,45
T-L35 - NB Encinitas On-ramp,3
950,45,24,45,26,45
T-L36 - SB Encinitas Off-ramp,4
950,45,24,45,26,45
T-L8 - SB General Lanes - Outer,5
3052,65,122,65,426,65
T-L18 - SB General Lanes - Inner,6
5217,65,183,65,0,65
T-L58 - SB HOV Lanes,7
3000,65,0,65,0,65
T-L57 - NB HOV Lanes,8
3000,65,0,65,0,65
T-L17 - NB General Lnaes - Inner,9
5217,65,183,65,0,65
T-L7 - NB General Lanes - Outer,10
3052,65,122,65,426,65
T-L2 - SB General Lanes - Outer,11
3052,65,122,65,426,65
T-L12 - SB General Lanes - Inner,12
5217,65,183,65,0,65
T-L52 - SB HOV Lanes,13
3000,65,0,65,0,65
T-L51 - NB HOV Lanes,14
3000,65,0,65,0,65
T-L11 - NB General Lanes - Inner,15
5217,65,183,65,0,65
T-L1 - NB General Lanes - Outer,16
3052,65,122,65,426,65
T-L21 - NB Leucadia Off-ramp,17
950,45,24,45,26,45
T-L22 - SB Leucadia On-ramp,18
950,45,24,45,26,45
T-L24 - SB Leucadia Off-ramp,19
950,45,24,45,26,45
T-L23 - NB Leucadia On-ramp,20
950,45,24,45,26,45
T-L4 - SB General Lanes - Outer,21
3052,65,122,65,426,65
T-L14 - SB General Lanes - Inner,22
5217,65,183,65,0,65
T-L54 - SB HOV Lanes,23
3000,65,0,65,0,65
T-L53 - NB HOV Lanes,24
3000,65,0,65,0,65
T-L13 - NB General Lanes - Inner,25
5217,65,183,65,0,65
T-L3 - NB General Lanes - Outer,26
3052,65,122,65,426,65
L33 - NB Encinitas Off-ramp,1
N,903263,597823,41.8,L33.1,
N,903244,597913,39.6,L33.2,

N,903230,598013,37.4,L33.3,
N,903219,598093,35.2,L33.4,
N,903218,598172,32.3,L33.5,
N,903219,598246,31,L33.6,
L34 - SB Encinitas On-ramp,2
N,903209,597801,41.9,L34.1,
N,903192,597860,40.8,L34.2,
N,903177,597920,39.1,L34.3,
N,903155,597995,37.5,L34.4
N,903130,598070,35.7,L34.5
N,903105,598124,34.1,L34.6
N,903075,598176,29.9,L34.7
N,903043,598228,27.2,L34.8
N,903036,598248,26.5,L34.9
N,903030,598267,26.1,L34.10
L35 - NB Encinitas On-ramp,3,
N,903220,598264,31.1,L35.1
N,903217,598284,31.2,L35.2
N,903210,598305,31.4,L35.3
N,903179,598357,32.2,L35.4
N,903149,598408,33.3,L35.5
N,903125,598463,33.7,L35.6
N,903106,598519,34,L35.7
N,903088,598576,34.3,L35.8
N,903068,598653,35.2,L35.9
N,903053,598711,36.2,L35.10
N,903033,598771,36.9,L35.11
L36 - SB Encinitas Off-ramp,4,
N,903028,598283,26,L36.1
N,903029,598340,25.9,L36.2
N,903027,598401,28.1,L36.3
N,903026,598459,30.9,L36.4
N,903025,598499,32.2,L36.5
N,903016,598558,34.3,L36.6
N,903006,598618,35,L36.7
N,903001,598657,35.9,L36.8
N,902992,598697,36.1,L36.9
N,902980,598753,36.8,L36.10
L8 - SB General Lanes - Outer,5,
N,903188,597899,39.8,L8.7
N,903164,598000,37.5,L8.8
N,903140,598101,35.8,L8.9
N,903115,598196,35,L8.10
N,903093,598288,34.6,L8.11
N,903071,598385,34.6,L8.12
L18 - SB General Lanes - Inner,6,
N,903197,597901,39.8,L18.7
N,903172,598002,37.5,L18.8
N,903148,598104,35.8,L18.9
N,903125,598198,35,L18.10
N,903103,598290,34.6,L18.11
N,903079,598388,34.6,L18.12
L58 - SB HOV Lanes,7,
N,903206,597902,40,L58.7
N,903181,598006,38,L58.8
N,903157,598106,36,L58.9

N,903134,598200,35,L58.10
N,903112,598294,34.8,L58.11
N,903089,598391,34.7,L58.12
L57 - NB HOV Lanes,8,
N,903220,597913,40,L57.7
N,903197,598013,38,L57.8
N,903173,598110,36,L57.9
N,903151,598204,35,L57.10
N,903129,598299,34.8,L57.11
N,903105,598395,34.7,L57.12
L17 - NB General Lnaes - Inner,9,
N,903231,597916,39.8,L17.7
N,903207,598015,37.8,L17.8
N,903184,598111,35.8,L17.9
N,903161,598206,34.8,L17.10
N,903138,598301,34.6,L17.11
N,903114,598397,34.6,L17.12
L7 - NB General Lanes - Outer,10,
N,903239,597918,39.8,L7.7
N,903216,598017,37.8,L7.8
N,903192,598113,35.8,L7.9
N,903169,598208,34.8,L7.10
N,903146,598304,34.6,L7.11
N,903123,598401,34.6,L7.12
L2 - SB General Lanes - Outer,11,
N,903070,598385,34.6,L2.1
N,903048,598474,34.3,L2.2
N,903031,598544,34.7,L2.3
N,903007,598641,35.6,L2.4
N,902980,598753,36.8,L2.5
N,902958,598846,37.8,L2.6
N,902936,598933,38.8,L2.7
N,902913,599029,39.8,L2.8
N,902892,599114,40.8,L2.9
N,902869,599208,41.8,L2.10
N,902837,599337,43.3,L2.11
N,902806,599471,44.8,L2.12
N,902783,599567,45.8,L2.13
N,902760,599661,46.8,L2.14
N,902742,599738,47.8,L2.15
L12 - SB General Lanes - Inner,12,
N,903079,598388,34.6,L12.1
N,903056,598475,34.3,L12.2
N,903040,598546,34.7,L12.3
N,903016,598644,35.6,L12.4
N,902990,598756,36.8,L12.5
N,902966,598848,37.8,L12.6
N,902945,598935,38.8,L12.7
N,902922,599031,39.8,L12.8
N,902902,599116,40.8,L12.9
N,902878,599209,41.8,L12.10
N,902846,599339,43.3,L12.11
N,902815,599474,44.8,L12.12
N,902792,599569,45.8,L12.13
N,902769,599663,46.8,L12.14
N,902749,599740,47.8,L12.15

L52 - SB HOV Lanes,13,
N,903089,598391,34.7,L52.1
N,903067,598479,34.4,L52.2
N,903050,598548,34.7,L52.3
N,903025,598646,35.7,L52.4
N,902998,598759,37,L52.5
N,902977,598849,38,L52.6
N,902956,598939,39,L52.7
N,902931,599033,40,L52.8
N,902911,599117,41,L52.9
N,902888,599210,42,L52.10
N,902856,599341,43.5,L52.11
N,902824,599476,45,L52.12
N,902801,599571,46,L52.13
N,902778,599666,47,L52.14
N,902759,599742,48,L52.15
L51 - NB HOV Lanes,14,
N,903105,598396,34.7,L51.1
N,903083,598484,34.4,L51.2
N,903066,598553,34.7,L51.3
N,903041,598651,35.7,L51.4
N,903014,598766,37,L51.5
N,902993,598854,38,L51.6
N,902971,598947,39,L51.7
N,902948,599035,40,L51.8
N,902927,599124,41,L51.9
N,902905,599212,42,L51.10
N,902872,599350,43.5,L51.11
N,902840,599483,45,L51.12
N,902816,599576,46,L51.13
N,902794,599670,47,L51.14
N,902774,599752,48,L51.15
L11 - NB General Lanes - Inner,15,
N,903113,598398,34.6,L11.1
N,903092,598486,34.3,L11.2
N,903075,598555,34.7,L11.3
N,903052,598653,35.6,L11.4
N,903023,598768,36.9,L11.5
N,903002,598856,37.8,L11.6
N,902978,598949,38.8,L11.7
N,902958,599038,38.8,L11.8
N,902937,599127,40.8,L11.9
N,902914,599215,41.8,L11.10
N,902882,599353,43.3,L11.11
N,902849,599486,44.8,L11.12
N,902827,599579,45.8,L11.13
N,902804,599673,46.8,L11.14
N,902784,599756,47.8,L11.15
L1 - NB General Lanes - Outer,16,
N,903122,598401,34.6,L1.1
N,903102,598489,34.3,L1.2
N,903084,598558,34.7,L1.3
N,903059,598656,35.6,L1.4
N,903033,598771,36.9,L1.5
N,903011,598859,37.8,L1.6
N,902988,598952,38.8,L1.7

N,902967,599041,38.8,L1.8
N,902945,599129,40.8,L1.9
N,902923,599218,41.8,L1.10
N,902890,599356,43.3,L1.11
N,902858,599490,44.8,L1.12
N,902834,599582,45.8,L1.13
N,902813,599676,46.8,L1.14
N,902790,599758,47.8,L1.15
L21 - NB Leucadia Off-ramp,17,
N,902813,599676,46.8,L21.1
N,902805,599723,47.1,L21.2
N,902794,599780,47.8,L21.3
N,902786,599823,48,L21.4
N,902777,599883,48.1,L21.5
N,902765,599963,49.6,L21.6
N,902760,600002,50.7,L21.7
N,902764,600062,51.8,L21.8
N,902766,600120,53.9,L21.9
L22 - SB Leucadia On-ramp,18,
N,902783,599567,45.8,L22.1
N,902769,599610,46.1,L22.2
N,902754,599668,46.9,L22.3
N,902738,599726,47.2,L22.4
N,902717,599801,47.8,L22.5
N,902706,599841,47.9,L22.6
N,902685,599898,47.7,L22.7
N,902663,599953,48.1,L22.8
N,902641,600011,50.1,L22.9
N,902629,600047,52,L22.10
N,902613,600106,53.9,L22.11
L24 - SB Leucadia Off-ramp,19,
N,902606,600148,53.7,L24.1
N,902600,600207,50.8,L24.2
N,902589,600267,46.8,L24.3
N,902582,600326,44,L24.4
N,902570,600385,42.5,L24.5
N,902563,600445,41.9,L24.6
N,902554,600504,41.6,L24.7
N,902546,600540,41.3,L24.8
L23 - NB Leucadia On-ramp,20,
N,902763,600132,53.5,L23.1
N,902756,600149,53.2,L23.2
N,902745,600168,52.6,L23.3
N,902710,600215,49.4,L23.4
N,902694,600251,46.8,L23.5
N,902676,600308,44.1,L23.6
N,902656,600366,43,L23.7
N,902639,600421,42.4,L23.8
N,902619,600499,41.5,L23.9
N,902603,600558,41.3,L23.10
N,902571,600668,39.8,L23.11
L4 - SB General Lanes - Outer,21,
N,902742,599738,47.8,L4.1
N,902724,599817,48.3,L4.2
N,902697,599932,48.3,L4.3
N,902668,600051,47.3,L4.4

N,902637,600175,45.7,L4.5
N,902609,600291,44.3,L4.6
N,902578,600418,42.7,L4.7
N,902546,600540,41.3,L4.8
L14 - SB General Lanes - Inner,22,
N,902749,599740,47.8,L14.1
N,902731,599819,48.3,L14.2
N,902703,599935,48.3,L14.3
N,902674,600053,47.3,L14.4
N,902644,600177,45.7,L14.5
N,902615,600293,44.3,L14.6
N,902584,600420,42.7,L14.7
N,902556,600542,41.3,L14.8
L54 - SB HOV Lanes,23,
N,902759,599742,48,L54.1
N,902740,599823,48.5,L54.2
N,902712,599939,48.5,L54.3
N,902684,600056,47.5,L54.4
N,902653,600179,46,L54.5
N,902625,600294,44.5,L54.6
N,902594,600423,43,L54.7
N,902564,600544,41.5,L54.8
L53 - NB HOV Lanes,24,
N,902774,599752,48,L53.1
N,902755,599832,48.5,L53.2
N,902727,599945,48.5,L53.3
N,902700,600058,47.5,L53.4
N,902670,600182,46,L53.5
N,902641,600298,44.5,L53.6
N,902611,600423,43,L53.7
N,902582,600543,41.5,L53.8
L13 - NB General Lanes - Inner,25,
N,902784,599756,47.8,L13.1
N,902764,599835,48.3,L13.2
N,902737,599948,48.3,L13.3
N,902710,600061,47.3,L13.4
N,902681,600184,45.7,L13.5
N,902651,600301,44.3,L13.6
N,902621,600426,42.7,L13.7
N,902591,600546,41.3,L13.8
L3 - NB General Lanes - Outer,26
N,902790,599758,47.8,L3.1,
N,902771,599836,48.3,L3.2,
N,902743,599949,48.3,L3.3,
N,902716,600063,47.3,L3.4,
N,902687,600185,45.7,L3.5,
N,902657,600303,44.3,L3.6,
N,902628,600429,42.7,L3.7,
N,902600,600549,41.3,L3.8,
B6 - 9' Prop wall glass/block at MFR NB Side ST 678 to 680,1,2,0,0,
903250,598314,44,46.7,B6.1,
903216,598348,44,46.7,B6.2,
903193,598389,44.1,46.8,B6.3,
903162,598434,45.8,48.5,B6.4,
903144,598478,46.3,49.0,B6.5,
903123,598535,47,49.7,B6.6,

903123,598535,47,47,B6.6,
903128,598539,49,49,B7.1,
B7 - ROW/ Prop Line at YMCA NB Side Soundwall,2,2,0,0,
903128,598539,49,49,B7.1,
903120,598562,48,48,B7.2,
903108,598598,48.5,48.5,B7.3,
903091,598655,47.5,47.5,B7.4,
903075,598707,47.5,47.5,B7.5,
903082,598714,50.5,50.5,B7.6,
903062,598793,51,51,B7.7,
903048,598843,51.5,51.5,B7.8,
903035,598909,51,51,B7.9,
903013,598924,47,47,B7.10,
B8 - ROW NB Side ST 685 to 699 Soundwall,3,2,0,0,
903022,598900,48,48,B8.1A,
903013,598924,47,47,B8.1,
903003,598955,45,45,B8.2A,
903007,598969,44,44,B8.2,
902990,599001,40,40,B8.3A,
902983,599009,39,39,B8.3,
902974,599042,38.8,38.8,B8.4,
902961,599091,40,40,B8.5,
902961,599091,40,40,B8.5,
902956,599125,41,41,B8.6,
902943,599181,46,46,B8.7,
B8 - ROW NB Side ST 685 to 699 Soundwall,4,2,0,0,
902943,599181,46,46,B8.7,
902933,599220,46,46,B8.8,
902925,599264,48,48,B8.9,
902918,599299,50,50,B8.10,
B9 - ROW NB Side ST 688 to 691 ,5,2,0,0,
902918,599299,50,50,B9.1,
902908,599334,49,49,B9.2,
902897,599362,46,46,B9.3,
902883,599425,46,46,B9.4,
902883,599425,46,46,B9.4,
902875,599465,47.5,47.5,B9.5,
902872,599476,47,47,B9.5A,
B9 - ROW NB Side ST 688 to 691 Soundwall,6,2,0,0,
902872,599476,47,47,B9.5A,
902864,599509,46,46,B9.6,
902856,599557,48,48,B9.7,
902853,599577,45.8,45.8,B9.8,
B10 - Buildings Nursery NB Side ST 689,7,2,0,0,
902956,599369,49,53.6,B10.1,
902907,599368,47.5,52.1,B10.2,
902899,599437,47.5,52.1,B10.3,
902885,599484,48,52.6,B10.4,
902891,599532,49,53.6,B10.5,
902921,599531,50,54.6,B10.6,
B55 - Center Divider,8,2,0,0,
903189,598011,38,39,B55.5,
903165,598108,36,37,B55.6,
903142,598204,35,36,B55.7,
903120,598295,34.8,35.8,B55.8,
903097,598394,34.7,35.7,B55.9,

B56 - Center Divider,9,2,0,0,
903097,598393,34.7,35.7,B56.1,
903075,598481,34.4,35.4,B56.2,
903057,598552,34.7,35.7,B56.3,
903034,598649,35.7,36.7,B56.4,
903007,598762,37,38,B56.5,
902986,598852,38,39,B56.6,
902962,598943,39,40,B56.7,
902940,599034,40,41,B56.8,
902919,599121,41,42,B56.9,
902896,599211,42,43,B56.10,
B57 - Center Divider,10,2,0,0,
902896,599211,42,43,B57.1,
902864,599345,43.5,44.5,B57.2,
902831,599481,45,46,B57.3,
902809,599574,46,47,B57.4,
902786,599668,47,48,B57.5,
902766,599749,48,49,B57.6,
902747,599830,48.5,49.5,B57.7,
902720,599944,48.5,49.5,B57.8,
902692,600057,47.5,48.5,B57.9,
902662,600181,46,47,B57.10,
B12 - NB Shoulder to ROW ST 691 to 696 Soundwall,11,2,0,0,
902853,599577,45.8,45.8,B9.8,
902842,599584,45.8,45.8,B12.1,
902822,599671,47,47,B12.2,
902812,599718,50,50,B12.3,
902804,599763,52,52,B12.4,
902800,599809,52,52,B12.5,
902792,599865,52.5,52.5,B12.6,
902783,599915,53.1,53.1,B12.7,
902781,599967,54,54,B12.8,
902781,600009,54.5,54.5,B12.9,
B12 - NB Shoulder to ROW ST 691 to 696,12,2,0,0,
902781,600009,54.5,54.5,B12.9,
902780,600074,54,54,B12.10,
B18 - NB Leucadia Bridge,13,2,0,0,
902752,600065,52,52,B18.1,
902754,600111,53.3,53.3,B18.2,
902709,600111,53.7,53.7,B18.3,
902702,600140,53.7,53.7,B18.4,
902754,600139,53.5,53.5,B18.5,
B83 - Wall R11.26,14,2,0,0,
903057,599000,44,44,B83.1,
903045,599000,44,44,B83.2,
903041,599024,45.5,45.5,B83.3,
903040,599080,45.5,45.5,B83.4,
903041,599088,45.5,45.5,B83.5,
903042,599096,46,46,B80.3,
903061,599126,46,46,B80.4,
B81.1 - Pet Hotel Buildings at R11.30,15,2,0,0,
902943,599258,48,52.9,B81.1,
902939,599272,48,52.9,B81.2,
902936,599279,51,55.9,B81.3,
902925,599297,51,55.9,B81.4,
902935,599316,51,55.9,B81.5,

B82.1 - House at R11.29,16,2,0,0,
902950,599199,48.2,53.2,B82.1,
902976,599225,48.4,53.4,B82.2,
B80 - 3' Berm at Park on NB Side,17,2,0,0,
903033,599024,44,44,B80.1A,
902995,599025,40.5,40.5,B80.1,
903016,599080,40.5,40.5,B80.2,
903023,599084,41,41,B80.2A,
R,1,67,4
903224,598344,45.5,R11.22
R,2,67,4
903139,598500,48.5,R11.23/ ST11.1
R,3,67,4
903118,598613,50.9,R11.24
R,4,67,4
903060,598856,53.5,R11.25
R,5,67,4
903046,599005,46,R11.26
R,6,67,4
903004,599032,41.8,R11.27/ ST11.3
R,7,67,4
903049,599100,47.8,R11.28
R,8,67,4
902957,599227,49.5,R11.29
R,9,67,4
902963,599327,54.2,R11.30
R,10,67,4
902973,599203,49.8,R11.29A
D,4.5
ALL,3
ALL,4
ALL,5
ALL,6
ALL,7
ALL,9
K,2
ALL,1
ALL,2
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
11 - ENCINITAS TO LEUCADIA EAST - SOUTH SIDE - BUILD,BLD,FT,

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	9.*							B6.1	157.8	
2	-	9.*							B6.2	154.2	
3	-	9.*							B6.3	179.3	
4	-	9.*							B6.4	156.0	
5	-	9.*							B6.5	199.3	
6	-	4.*							B6.6	8.9	
7	-	0.*							B6.6	22.0	
8	-	0.*							B7.1	80.0	
9	-	0.*							B7.2	124.5	
10	-	0.*							B7.3	195.2	
11	-	0.*							B7.4	178.5	
12	-	0.*							B7.5	34.0	
13	-	0.*							B7.6	267.4	
14	-	0.*							B7.7	170.3	
15	-	0.*							B7.8	220.7	
16	-	0.*							B7.9	88.4	
17	-	0.*							B8.1A	84.2	
18	-	0.*							B8.1	107.1	
19	-	0.*							B8.2A	47.8	
20	-	0.*							B8.2	119.6	
21	-	0.*							B8.3A	34.9	
22	-	0.*							B8.3	112.3	
23	-	0.*							B8.4	166.4	
24	-	0.*							B8.5	.0	
25	-	0.*							B8.5	112.7	
26	-	0.*							B8.6	189.3	
27	-	0.*							B8.7	132.1	
28	-	0.*							B8.8	146.8	
29	-	0.*							B8.9	117.4	
30	-	0.*							B9.1	119.4	
31	-	0.*							B9.2	99.2	
32	-	0.*							B9.3	211.7	
33	-	0.*							B9.4	.0	
34	-	0.*							B9.4	133.9	
35	-	0.*							B9.5	37.4	
36	-	0.*							B9.5A	111.4	
37	-	0.*							B9.6	159.8	
38	-	0.*							B9.7	66.7	

39	- 15.*	B10.1	160.9
40	- 15.*	B10.2	227.9
41	- 15.*	B10.3	160.9
42	- 15.*	B10.4	158.8
43	- 15.*	B10.5	98.5
44	- 3.*	B55.5	328.0
45	- 3.*	B55.6	323.8
46	- 3.*	B55.7	307.2
47	- 3.*	B55.8	333.4
48	- 3.*	B56.1	297.6
49	- 3.*	B56.2	240.4
50	- 3.*	B56.3	327.0
51	- 3.*	B56.4	381.3
52	- 3.*	B56.5	303.2
53	- 3.*	B56.6	308.8
54	- 3.*	B56.7	307.1
55	- 3.*	B56.8	293.7
56	- 3.*	B56.9	304.8
57	- 3.*	B57.1	452.0
58	- 3.*	B57.2	459.2
59	- 3.*	B57.3	313.5
60	- 3.*	B57.4	317.5
61	- 3.*	B57.5	273.7
62	- 3.*	B57.6	273.0
63	- 3.*	B57.7	384.4
64	- 3.*	B57.8	381.9
65	- 3.*	B57.9	418.7
66	- 0.*	B9.8	42.7
67	- 0.*	B12.1	292.9
68	- 0.*	B12.2	158.0
69	- 0.*	B12.3	150.2
70	- 0.*	B12.4	151.5
71	- 0.*	B12.5	185.6
72	- 0.*	B12.6	166.7
73	- 0.*	B12.7	170.8
74	- 0.*	B12.8	137.8
75	- 0.*	B12.9	213.2
76	- 0.*	B18.1	151.1
77	- 0.*	B18.2	147.6
78	- 0.*	B18.3	97.9
79	- 0.*	B18.4	170.6
80	- 0.*	B83.1	39.3
81	- 0.*	B83.2	79.9
82	- 0.*	B83.3	183.8
83	- 0.*	B83.4	26.4
84	- 0.*	B83.5	26.6
85	- 0.*	B80.3	116.5

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86    - 16.*                        B81.1      47.7
87    - 16.*                        B81.2      26.9
88    - 16.*                        B81.3      69.2
89    - 16.*                        B81.4      70.4

90    - 16.*                        B82.1     120.6

91    -  0.*                        B80.1A    125.3
92    -  0.*                        B80.1     193.2
93    -  0.*                        B80.2      26.5
-------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
---------------------------------
 1  R11.22    67.    500.   68.4
 2  R11.23/   67.    500.   72.1
 3  R11.24    67.    500.   73.9
 4  R11.25    67.    500.   72.9
 5  R11.26    67.    500.   72.3
 6  R11.27/   67.    500.   77.2
 7  R11.28    67.    500.   71.6
 8  R11.29    67.    500.   75.4
 9  R11.30    67.    500.   70.6
10  R11.29A   67.    500.   74.5
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 9. 9. 9. 9. 9. 4. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.15.15.15.15.15. 3. 3. 3. 3. 3. 3. 3.
 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.16.16.16.16.16. 0. 0. 0.
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11 - Encinitas to Leucadia EAST - SOUTH SIDE ,DGN,Ft,
T-L33 - NB Encinitas Off-ramp,1
950,45,24,45,26,45
T-L34 - SB Encinitas On-ramp,2
950,45,24,45,26,45
T-L35 - NB Encinitas On-ramp,3
950,45,24,45,26,45
T-L36 - SB Encinitas Off-ramp,4
950,45,24,45,26,45
T-L8 - SB General Lanes - Outer,5
3052,65,122,65,426,65
T-L18 - SB General Lanes - Inner,6
5217,65,183,65,0,65
T-L58 - SB HOV Lanes,7
3000,65,0,65,0,65
T-L57 - NB HOV Lanes,8
3000,65,0,65,0,65
T-L17 - NB General Lnaes - Inner,9
5217,65,183,65,0,65
T-L7 - NB General Lanes - Outer,10
3052,65,122,65,426,65
T-L2 - SB General Lanes - Outer,11
3052,65,122,65,426,65
T-L12 - SB General Lanes - Inner,12
5217,65,183,65,0,65
T-L52 - SB HOV Lanes,13
3000,65,0,65,0,65
T-L51 - NB HOV Lanes,14
3000,65,0,65,0,65
T-L11 - NB General Lanes - Inner,15
5217,65,183,65,0,65
T-L1 - NB General Lanes - Outer,16
3052,65,122,65,426,65
T-L21 - NB Leucadia Off-ramp,17
950,45,24,45,26,45
T-L22 - SB Leucadia On-ramp,18
950,45,24,45,26,45
T-L24 - SB Leucadia Off-ramp,19
950,45,24,45,26,45
T-L23 - NB Leucadia On-ramp,20
950,45,24,45,26,45
T-L4 - SB General Lanes - Outer,21
3052,65,122,65,426,65
T-L14 - SB General Lanes - Inner,22
5217,65,183,65,0,65
T-L54 - SB HOV Lanes,23
3000,65,0,65,0,65
T-L53 - NB HOV Lanes,24
3000,65,0,65,0,65
T-L13 - NB General Lanes - Inner,25
5217,65,183,65,0,65
T-L3 - NB General Lanes - Outer,26
3052,65,122,65,426,65
L33 - NB Encinitas Off-ramp,1
N,903263,597823,41.8,L33.1,
N,903244,597913,39.6,L33.2,

N,903230,598013,37.4,L33.3,
N,903219,598093,35.2,L33.4,
N,903218,598172,32.3,L33.5,
N,903219,598246,31,L33.6,
L34 - SB Encinitas On-ramp,2
N,903209,597801,41.9,L34.1,
N,903192,597860,40.8,L34.2,
N,903177,597920,39.1,L34.3,
N,903155,597995,37.5,L34.4
N,903130,598070,35.7,L34.5
N,903105,598124,34.1,L34.6
N,903075,598176,29.9,L34.7
N,903043,598228,27.2,L34.8
N,903036,598248,26.5,L34.9
N,903030,598267,26.1,L34.10
L35 - NB Encinitas On-ramp,3,
N,903220,598264,31.1,L35.1
N,903217,598284,31.2,L35.2
N,903210,598305,31.4,L35.3
N,903179,598357,32.2,L35.4
N,903149,598408,33.3,L35.5
N,903125,598463,33.7,L35.6
N,903106,598519,34,L35.7
N,903088,598576,34.3,L35.8
N,903068,598653,35.2,L35.9
N,903053,598711,36.2,L35.10
N,903033,598771,36.9,L35.11
L36 - SB Encinitas Off-ramp,4,
N,903028,598283,26,L36.1
N,903029,598340,25.9,L36.2
N,903027,598401,28.1,L36.3
N,903026,598459,30.9,L36.4
N,903025,598499,32.2,L36.5
N,903016,598558,34.3,L36.6
N,903006,598618,35,L36.7
N,903001,598657,35.9,L36.8
N,902992,598697,36.1,L36.9
N,902980,598753,36.8,L36.10
L8 - SB General Lanes - Outer,5,
N,903188,597899,39.8,L8.7
N,903164,598000,37.5,L8.8
N,903140,598101,35.8,L8.9
N,903115,598196,35,L8.10
N,903093,598288,34.6,L8.11
N,903071,598385,34.6,L8.12
L18 - SB General Lanes - Inner,6,
N,903197,597901,39.8,L18.7
N,903172,598002,37.5,L18.8
N,903148,598104,35.8,L18.9
N,903125,598198,35,L18.10
N,903103,598290,34.6,L18.11
N,903079,598388,34.6,L18.12
L58 - SB HOV Lanes,7,
N,903206,597902,40,L58.7
N,903181,598006,38,L58.8
N,903157,598106,36,L58.9

N,903134,598200,35,L58.10
N,903112,598294,34.8,L58.11
N,903089,598391,34.7,L58.12
L57 - NB HOV Lanes,8,
N,903220,597913,40,L57.7
N,903197,598013,38,L57.8
N,903173,598110,36,L57.9
N,903151,598204,35,L57.10
N,903129,598299,34.8,L57.11
N,903105,598395,34.7,L57.12
L17 - NB General Lnaes - Inner,9,
N,903231,597916,39.8,L17.7
N,903207,598015,37.8,L17.8
N,903184,598111,35.8,L17.9
N,903161,598206,34.8,L17.10
N,903138,598301,34.6,L17.11
N,903114,598397,34.6,L17.12
L7 - NB General Lanes - Outer,10,
N,903239,597918,39.8,L7.7
N,903216,598017,37.8,L7.8
N,903192,598113,35.8,L7.9
N,903169,598208,34.8,L7.10
N,903146,598304,34.6,L7.11
N,903123,598401,34.6,L7.12
L2 - SB General Lanes - Outer,11,
N,903070,598385,34.6,L2.1
N,903048,598474,34.3,L2.2
N,903031,598544,34.7,L2.3
N,903007,598641,35.6,L2.4
N,902980,598753,36.8,L2.5
N,902958,598846,37.8,L2.6
N,902936,598933,38.8,L2.7
N,902913,599029,39.8,L2.8
N,902892,599114,40.8,L2.9
N,902869,599208,41.8,L2.10
N,902837,599337,43.3,L2.11
N,902806,599471,44.8,L2.12
N,902783,599567,45.8,L2.13
N,902760,599661,46.8,L2.14
N,902742,599738,47.8,L2.15
L12 - SB General Lanes - Inner,12,
N,903079,598388,34.6,L12.1
N,903056,598475,34.3,L12.2
N,903040,598546,34.7,L12.3
N,903016,598644,35.6,L12.4
N,902990,598756,36.8,L12.5
N,902966,598848,37.8,L12.6
N,902945,598935,38.8,L12.7
N,902922,599031,39.8,L12.8
N,902902,599116,40.8,L12.9
N,902878,599209,41.8,L12.10
N,902846,599339,43.3,L12.11
N,902815,599474,44.8,L12.12
N,902792,599569,45.8,L12.13
N,902769,599663,46.8,L12.14
N,902749,599740,47.8,L12.15

L52 - SB HOV Lanes,13,
N,903089,598391,34.7,L52.1
N,903067,598479,34.4,L52.2
N,903050,598548,34.7,L52.3
N,903025,598646,35.7,L52.4
N,902998,598759,37,L52.5
N,902977,598849,38,L52.6
N,902956,598939,39,L52.7
N,902931,599033,40,L52.8
N,902911,599117,41,L52.9
N,902888,599210,42,L52.10
N,902856,599341,43.5,L52.11
N,902824,599476,45,L52.12
N,902801,599571,46,L52.13
N,902778,599666,47,L52.14
N,902759,599742,48,L52.15
L51 - NB HOV Lanes,14,
N,903105,598396,34.7,L51.1
N,903083,598484,34.4,L51.2
N,903066,598553,34.7,L51.3
N,903041,598651,35.7,L51.4
N,903014,598766,37,L51.5
N,902993,598854,38,L51.6
N,902971,598947,39,L51.7
N,902948,599035,40,L51.8
N,902927,599124,41,L51.9
N,902905,599212,42,L51.10
N,902872,599350,43.5,L51.11
N,902840,599483,45,L51.12
N,902816,599576,46,L51.13
N,902794,599670,47,L51.14
N,902774,599752,48,L51.15
L11 - NB General Lanes - Inner,15,
N,903113,598398,34.6,L11.1
N,903092,598486,34.3,L11.2
N,903075,598555,34.7,L11.3
N,903052,598653,35.6,L11.4
N,903023,598768,36.9,L11.5
N,903002,598856,37.8,L11.6
N,902978,598949,38.8,L11.7
N,902958,599038,38.8,L11.8
N,902937,599127,40.8,L11.9
N,902914,599215,41.8,L11.10
N,902882,599353,43.3,L11.11
N,902849,599486,44.8,L11.12
N,902827,599579,45.8,L11.13
N,902804,599673,46.8,L11.14
N,902784,599756,47.8,L11.15
L1 - NB General Lanes - Outer,16,
N,903122,598401,34.6,L1.1
N,903102,598489,34.3,L1.2
N,903084,598558,34.7,L1.3
N,903059,598656,35.6,L1.4
N,903033,598771,36.9,L1.5
N,903011,598859,37.8,L1.6
N,902988,598952,38.8,L1.7

N,902967,599041,38.8,L1.8
N,902945,599129,40.8,L1.9
N,902923,599218,41.8,L1.10
N,902890,599356,43.3,L1.11
N,902858,599490,44.8,L1.12
N,902834,599582,45.8,L1.13
N,902813,599676,46.8,L1.14
N,902790,599758,47.8,L1.15
L21 - NB Leucadia Off-ramp,17,
N,902813,599676,46.8,L21.1
N,902805,599723,47.1,L21.2
N,902794,599780,47.8,L21.3
N,902786,599823,48,L21.4
N,902777,599883,48.1,L21.5
N,902765,599963,49.6,L21.6
N,902760,600002,50.7,L21.7
N,902764,600062,51.8,L21.8
N,902766,600120,53.9,L21.9
L22 - SB Leucadia On-ramp,18,
N,902783,599567,45.8,L22.1
N,902769,599610,46.1,L22.2
N,902754,599668,46.9,L22.3
N,902738,599726,47.2,L22.4
N,902717,599801,47.8,L22.5
N,902706,599841,47.9,L22.6
N,902685,599898,47.7,L22.7
N,902663,599953,48.1,L22.8
N,902641,600011,50.1,L22.9
N,902629,600047,52,L22.10
N,902613,600106,53.9,L22.11
L24 - SB Leucadia Off-ramp,19,
N,902606,600148,53.7,L24.1
N,902600,600207,50.8,L24.2
N,902589,600267,46.8,L24.3
N,902582,600326,44,L24.4
N,902570,600385,42.5,L24.5
N,902563,600445,41.9,L24.6
N,902554,600504,41.6,L24.7
N,902546,600540,41.3,L24.8
L23 - NB Leucadia On-ramp,20,
N,902763,600132,53.5,L23.1
N,902756,600149,53.2,L23.2
N,902745,600168,52.6,L23.3
N,902710,600215,49.4,L23.4
N,902694,600251,46.8,L23.5
N,902676,600308,44.1,L23.6
N,902656,600366,43,L23.7
N,902639,600421,42.4,L23.8
N,902619,600499,41.5,L23.9
N,902603,600558,41.3,L23.10
N,902571,600668,39.8,L23.11
L4 - SB General Lanes - Outer,21,
N,902742,599738,47.8,L4.1
N,902724,599817,48.3,L4.2
N,902697,599932,48.3,L4.3
N,902668,600051,47.3,L4.4

N,902637,600175,45.7,L4.5
N,902609,600291,44.3,L4.6
N,902578,600418,42.7,L4.7
N,902546,600540,41.3,L4.8
L14 - SB General Lanes - Inner,22,
N,902749,599740,47.8,L14.1
N,902731,599819,48.3,L14.2
N,902703,599935,48.3,L14.3
N,902674,600053,47.3,L14.4
N,902644,600177,45.7,L14.5
N,902615,600293,44.3,L14.6
N,902584,600420,42.7,L14.7
N,902556,600542,41.3,L14.8
L54 - SB HOV Lanes,23,
N,902759,599742,48,L54.1
N,902740,599823,48.5,L54.2
N,902712,599939,48.5,L54.3
N,902684,600056,47.5,L54.4
N,902653,600179,46,L54.5
N,902625,600294,44.5,L54.6
N,902594,600423,43,L54.7
N,902564,600544,41.5,L54.8
L53 - NB HOV Lanes,24,
N,902774,599752,48,L53.1
N,902755,599832,48.5,L53.2
N,902727,599945,48.5,L53.3
N,902700,600058,47.5,L53.4
N,902670,600182,46,L53.5
N,902641,600298,44.5,L53.6
N,902611,600423,43,L53.7
N,902582,600543,41.5,L53.8
L13 - NB General Lanes - Inner,25,
N,902784,599756,47.8,L13.1
N,902764,599835,48.3,L13.2
N,902737,599948,48.3,L13.3
N,902710,600061,47.3,L13.4
N,902681,600184,45.7,L13.5
N,902651,600301,44.3,L13.6
N,902621,600426,42.7,L13.7
N,902591,600546,41.3,L13.8
L3 - NB General Lanes - Outer,26
N,902790,599758,47.8,L3.1,
N,902771,599836,48.3,L3.2,
N,902743,599949,48.3,L3.3,
N,902716,600063,47.3,L3.4,
N,902687,600185,45.7,L3.5,
N,902657,600303,44.3,L3.6,
N,902628,600429,42.7,L3.7,
N,902600,600549,41.3,L3.8,
B6 - 9' Prop wall glass/block at MFR NB Side ST 678 to 680,1,2,0,0,
903250,598314,44,48.9,B6.1,
903216,598348,44,48.9,B6.2,
903193,598389,44.1,49.0,B6.3,
903193,598389,44.1,48.4,B6.3,
903162,598434,45.8,50.1,B6.4,
903144,598478,46.3,50.6,B6.5,

903123,598535,47,51.3,B6.6,
903123,598535,47,51.3,B6.6,
903128,598539,49,53.3,B7.1,
B7 - ROW/ Prop Line at YMCA NB Side Soundwall,2,2,0,0,
903128,598539,49,52.0,B7.1,
903120,598562,48,51.0,B7.2,
903108,598598,48.5,51.5,B7.3,
903091,598655,47.5,50.5,B7.4,
903075,598707,47.5,50.5,B7.5,
903075,598707,47.5,49.9,B7.5,
903082,598714,50.5,52.9,B7.6,
903062,598793,51,53.4,B7.7,
903048,598843,51.5,53.9,B7.8,
903035,598909,51,53.4,B7.9,
B7 - ROW/ Prop Line at YMCA NB Side,3,2,0,0,
903035,598909,51,51,B7.9,
903013,598924,47,47,B7.10,
B8 - ROW NB Side ST 685 to 699 Soundwall,4,2,0,0,
903022,598900,48,48,B8.1A,
903013,598924,47,47,B8.1,
903003,598955,45,45,B8.2A,
903007,598969,44,44,B8.2,
902990,599001,40,40,B8.3A,
902983,599009,39,39,B8.3,
902974,599042,38.8,38.8,B8.4,
902961,599091,40,40,B8.5,
902965,599102,40.5,40.5,B8.5A,
B8 - ROW NB Side ST 685 to 699 Soundwall,5,2,0,0,
902965,599102,40.5,45.4,B8.5A,
902956,599125,41,45.9,B8.6,
902943,599181,46,50.9,B8.7,
902933,599220,46,50.9,B8.8,
902933,599233,45.1,50.0,B8.8A,
902933,599233,45.1,45.1,B8.8A,
902925,599264,48,48,B8.9,
902918,599299,50,50,B8.10,
B9 - ROW NB Side ST 688 to 691 ,6,2,0,0,
902918,599299,50,50,B9.1,
902908,599334,49,49,B9.2,
902897,599362,46,46,B9.3,
902883,599425,46,46,B9.4,
902883,599425,46,46,B9.4,
902875,599465,47.5,47.5,B9.5,
902872,599476,47,47,B9.5A,
B9 - ROW NB Side ST 688 to 691 Soundwall,7,2,0,0,
902872,599476,47,50.7,B9.5A,
902864,599509,46,49.7,B9.6,
902856,599557,48,51.7,B9.7,
902853,599577,45.8,49.5,B9.8,
B10 - Buildings Nursery NB Side ST 689,8,2,0,0,
902956,599369,49,53.6,B10.1,
902907,599368,47.5,52.1,B10.2,
902899,599437,47.5,52.1,B10.3,
902885,599484,48,52.6,B10.4,
902891,599532,49,53.6,B10.5,
902921,599531,50,54.6,B10.6,

B55 - Center Divider,9,2,0,0,
903189,598011,38,39,B55.5,
903165,598108,36,37,B55.6,
903142,598204,35,36,B55.7,
903120,598295,34.8,35.8,B55.8,
903097,598394,34.7,35.7,B55.9,
B56 - Center Divider,10,2,0,0,
903097,598393,34.7,35.7,B56.1,
903075,598481,34.4,35.4,B56.2,
903057,598552,34.7,35.7,B56.3,
903034,598649,35.7,36.7,B56.4,
903007,598762,37,38,B56.5,
902986,598852,38,39,B56.6,
902962,598943,39,40,B56.7,
902940,599034,40,41,B56.8,
902919,599121,41,42,B56.9,
902896,599211,42,43,B56.10,
B57 - Center Divider,11,2,0,0,
902896,599211,42,43,B57.1,
902864,599345,43.5,44.5,B57.2,
902831,599481,45,46,B57.3,
902809,599574,46,47,B57.4,
902786,599668,47,48,B57.5,
902766,599749,48,49,B57.6,
902747,599830,48.5,49.5,B57.7,
902720,599944,48.5,49.5,B57.8,
902692,600057,47.5,48.5,B57.9,
902662,600181,46,47,B57.10,
B12 - NB Shoulder to ROW ST 691 to 696 Soundwall,12,2,0,0,
902853,599577,45.8,49.5,B9.8,
902842,599584,45.8,49.5,B12.1,
902822,599671,47,50.7,B12.2,
902812,599718,50,53.7,B12.3,
902804,599763,52,55.7,B12.4,
902800,599809,52,55.7,B12.5,
902800,599809,52,56.3,B12.5,
902792,599865,52.5,56.8,B12.6,
902783,599915,53.1,57.4,B12.7,
902781,599967,54,58.3,B12.8,
902781,600009,54.5,58.8,B12.9,
B12 - NB Shoulder to ROW ST 691 to 696,13,2,0,0,
902781,600009,54.5,54.5,B12.9,
902780,600074,54,54,B12.10,
B18 - NB Leucadia Bridge,14,2,0,0,
902752,600065,52,52,B18.1,
902754,600111,53.3,53.3,B18.2,
902709,600111,53.7,53.7,B18.3,
902702,600140,53.7,53.7,B18.4,
902754,600139,53.5,53.5,B18.5,
B83 - Wall R11.26, R11.28 NB Side,15,2,0,
903057,599000,44,47.0,B83.1,
903045,599000,44,47.0,B83.2,
903041,599024,45.5,48.5,B83.3,
903040,599080,45.5,48.5,B83.4,
903040,599080,45.5,45.5,B83.4,
903041,599088,45.5,45.5,B83.5,

903041,599088,45.5,48.5,B83.5,
903042,599096,46,49.0,B80.3,
903061,599126,46,49.0,B80.4,
B81.1 - Pet Hotel Buildings at R11.30,16,2,0,0,
902943,599258,48,52.9,B81.1,
902939,599272,48,52.9,B81.2,
902936,599279,51,55.9,B81.3,
902925,599297,51,55.9,B81.4,
902935,599316,51,55.9,B81.5,
B82.1 - House at R11.29,17,2,0,0,
902950,599199,48.2,53.2,B82.1,
902976,599225,48.4,53.4,B82.2,
B80 - 3' Berm at Park on NB Side,18,2,0,0,
903033,599024,44,46.4,B80.1A,
902995,599025,40.5,42.9,B80.1,
903016,599080,40.5,42.9,B80.2,
903023,599084,41,43.4,B80.2A,
R,1,67,4
903224,598344,45.5,R11.22
R,2,67,4
903139,598500,48.5,R11.23/ ST11.1
R,3,67,4
903118,598613,50.9,R11.24
R,4,67,4
903060,598856,53.5,R11.25
R,5,67,4
903046,599005,46,R11.26
R,6,67,4
903004,599032,41.8,R11.27/ ST11.3
R,7,67,4
903049,599100,47.8,R11.28
R,8,67,4
902957,599227,49.5,R11.29
R,9,67,4
902963,599327,54.2,R11.30
R,10,67,4
902973,599203,49.8,R11.29A
D,4.5
ALL,3
ALL,4
ALL,5
ALL,6
ALL,7
ALL,9
K,2
ALL,1
ALL,2
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
11 - ENCINITAS TO LEUCADIA EAST - SOUTH SIDE ,DGN,FT,

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	-	16.*							B6.1	157.8	
2	-	16.*							B6.2	154.2	
3	-	15.*							B6.3	2.0	
4	-	14.*							B6.3	179.3	
5	-	14.*							B6.4	156.0	
6	-	14.*							B6.5	199.3	
7	-	14.*							B6.6	.0	
8	-	14.*							B6.6	22.0	
9	-	10.*							B7.1	80.0	
10	-	10.*							B7.2	124.5	
11	-	10.*							B7.3	195.2	
12	-	10.*							B7.4	178.5	
13	-	9.*							B7.5	2.0	
14	-	8.*							B7.5	34.0	
15	-	8.*							B7.6	267.4	
16	-	8.*							B7.7	170.3	
17	-	8.*							B7.8	220.7	
18	-	0.*							B7.9	88.4	
19	-	0.*							B8.1A	84.2	
20	-	0.*							B8.1	107.1	
21	-	0.*							B8.2A	47.8	
22	-	0.*							B8.2	119.6	
23	-	0.*							B8.3A	34.9	
24	-	0.*							B8.3	112.3	
25	-	0.*							B8.4	166.4	
26	-	0.*							B8.5	38.3	
27	-	16.*							B8.5A	81.1	
28	-	16.*							B8.6	189.3	
29	-	16.*							B8.7	132.1	
30	-	16.*							B8.8	42.7	
31	-	8.*							B8.8A	16.0	
32	-	0.*							B8.8A	105.4	
33	-	0.*							B8.9	117.4	
34	-	0.*							B9.1	119.4	
35	-	0.*							B9.2	99.2	
36	-	0.*							B9.3	211.7	
37	-	0.*							B9.4	.0	
38	-	0.*							B9.4	133.9	

39	-	0.*	B9.5	37.4
40	-	12.*	B9.5A	111.4
41	-	12.*	B9.6	159.8
42	-	12.*	B9.7	66.7
43	-	15.*	B10.1	160.9
44	-	15.*	B10.2	227.9
45	-	15.*	B10.3	160.9
46	-	15.*	B10.4	158.8
47	-	15.*	B10.5	98.5
48	-	3.*	B55.5	328.0
49	-	3.*	B55.6	323.8
50	-	3.*	B55.7	307.2
51	-	3.*	B55.8	333.4
52	-	3.*	B56.1	297.6
53	-	3.*	B56.2	240.4
54	-	3.*	B56.3	327.0
55	-	3.*	B56.4	381.3
56	-	3.*	B56.5	303.2
57	-	3.*	B56.6	308.8
58	-	3.*	B56.7	307.1
59	-	3.*	B56.8	293.7
60	-	3.*	B56.9	304.8
61	-	3.*	B57.1	452.0
62	-	3.*	B57.2	459.2
63	-	3.*	B57.3	313.5
64	-	3.*	B57.4	317.5
65	-	3.*	B57.5	273.7
66	-	3.*	B57.6	273.0
67	-	3.*	B57.7	384.4
68	-	3.*	B57.8	381.9
69	-	3.*	B57.9	418.7
70	-	12.*	B9.8	42.7
71	-	12.*	B12.1	292.9
72	-	12.*	B12.2	158.0
73	-	12.*	B12.3	150.1
74	-	12.*	B12.4	151.5
75	-	13.*	B12.5	2.0
76	-	14.*	B12.5	185.6
77	-	14.*	B12.6	166.7
78	-	14.*	B12.7	170.8
79	-	14.*	B12.8	137.8
80	-	0.*	B12.9	213.2
81	-	0.*	B18.1	151.1
82	-	0.*	B18.2	147.6
83	-	0.*	B18.3	97.9
84	-	0.*	B18.4	170.6
85	-	10.*	B83.1	39.3

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86    -  10.*                        B83.2      79.9
87    -  10.*                        B83.3     183.8
88    -   5.*                        B83.4       9.8
89    -   0.*                        B83.4      26.4
90    -   5.*                        B83.5       9.8
91    -  10.*                        B83.5      26.6
92    -  10.*                        B80.3     116.5

93    -  16.*                        B81.1      47.7
94    -  16.*                        B81.2      26.9
95    -  16.*                        B81.3      69.2
96    -  16.*                        B81.4      70.4

97    -  16.*                        B82.1     120.6

98    -   8.*                        B80.1A    125.3
99    -   8.*                        B80.1     193.2
**    -   8.*                        B80.2      26.5
--------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
--------------------------------
 1  R11.22    67.    500.   63.0
 2  R11.23/   67.    500.   66.4
 3  R11.24    67.    500.   68.2
 4  R11.25    67.    500.   68.3
 5  R11.26    67.    500.   65.0
 6  R11.27/   67.    500.   71.2
 7  R11.28    67.    500.   66.9
 8  R11.29    67.    500.   72.7
 9  R11.30    67.    500.   70.2
10  R11.29A   67.    500.   70.0
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
16.16.15.14.14.14.14.14.10.10.10.10. 9. 8. 8. 8. 8. 0. 0. 0. 0. 0. 0. 0. 0.
 0.16.16.16.16. 8. 0. 0. 0. 0. 0. 0. 0. 0. 0.12.12.12.15.15.15.15.15. 3. 3. 3.
 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.12.12.12.12.12.13.
14.14.14.14. 0. 0. 0. 0. 0.10.10.10. 5. 0. 5.10.10.16.16.16.16.16. 8. 8. 8.
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11 - Encinitas to Leucadia EAST - NORTH SIDE - Build,BLD,Ft
T-L33 - NB Encinitas Off-ramp,1,
950,45,24,45,26,45,
T-L34 - SB Encinitas On-ramp,2,
950,45,24,45,26,45,
T-L35 - NB Encinitas On-ramp,3,
950,45,24,45,26,45,
T-L36 - SB Encinitas Off-ramp,4,
950,45,24,45,26,45,
T-L8 - SB General Lanes - Outer,5,
3052,65,122,65,426,65,
T-L18 - SB General Lanes - Inner,6,
5217,65,183,65,0,65,
T-L58 - SB HOV Lanes,7,
3000,65,0,65,0,65,
T-L57 - NB HOV Lanes,8,
3000,65,0,65,0,65
T-L17 - NB General Lnaes - Inner,9
5217,65,183,65,0,65
T-L7 - NB General Lanes - Outer,10
3052,65,122,65,426,65
T-L2 - SB General Lanes - Outer,11
3052,65,122,65,426,65
T-L12 - SB General Lanes - Inner,12
5217,65,183,65,0,65
T-L52 - SB HOV Lanes,13
3000,65,0,65,0,65
T-L51 - NB HOV Lanes,14
3000,65,0,65,0,65
T-L11 - NB General Lanes - Inner,15
5217,65,183,65,0,65
T-L1 - NB General Lanes - Outer,16
3052,65,122,65,426,65
T-L21 - NB Leucadia Off-ramp,17
950,45,24,45,26,45
T-L22 - SB Leucadia On-ramp,18
950,45,24,45,26,45
T-L24 - SB Leucadia Off-ramp,19
950,45,24,45,26,45
T-L23 - NB Leucadia On-ramp,20
950,45,24,45,26,45
T-L4 - SB General Lanes - Outer,21
3052,65,122,65,426,65
T-L14 - SB General Lanes - Inner,22
5217,65,183,65,0,65
T-L54 - SB HOV Lanes,23
3000,65,0,65,0,65
T-L53 - NB HOV Lanes,24
3000,65,0,65,0,65
T-L13 - NB General Lanes - Inner,25
5217,65,183,65,0,65
T-L3 - NB General Lanes - Outer,26
3052,65,122,65,426,65
L33 - NB Encinitas Off-ramp,1
N,903263,597823,41.8,L33.1,
N,903244,597913,39.6,L33.2,

N,903230,598013,37.4,L33.3,
N,903219,598093,35.2,L33.4,
N,903218,598172,32.3,L33.5,
N,903219,598246,31,L33.6,
L34 - SB Encinitas On-ramp,2
N,903209,597801,41.9,L34.1,
N,903192,597860,40.8,L34.2,
N,903177,597920,39.1,L34.3,
N,903155,597995,37.5,L34.4
N,903130,598070,35.7,L34.5
N,903105,598124,34.1,L34.6
N,903075,598176,29.9,L34.7
N,903043,598228,27.2,L34.8
N,903036,598248,26.5,L34.9
N,903030,598267,26.1,L34.10
L35 - NB Encinitas On-ramp,3,
N,903220,598264,31.1,L35.1
N,903217,598284,31.2,L35.2
N,903210,598305,31.4,L35.3
N,903179,598357,32.2,L35.4
N,903149,598408,33.3,L35.5
N,903125,598463,33.7,L35.6
N,903106,598519,34,L35.7
N,903088,598576,34.3,L35.8
N,903068,598653,35.2,L35.9
N,903053,598711,36.2,L35.10
N,903033,598771,36.9,L35.11
L36 - SB Encinitas Off-ramp,4,
N,903028,598283,26,L36.1
N,903029,598340,25.9,L36.2
N,903027,598401,28.1,L36.3
N,903026,598459,30.9,L36.4
N,903025,598499,32.2,L36.5
N,903016,598558,34.3,L36.6
N,903006,598618,35,L36.7
N,903001,598657,35.9,L36.8
N,902992,598697,36.1,L36.9
N,902980,598753,36.8,L36.10
L8 - SB General Lanes - Outer,5,
N,903188,597899,39.8,L8.7
N,903164,598000,37.5,L8.8
N,903140,598101,35.8,L8.9
N,903115,598196,35,L8.10
N,903093,598288,34.6,L8.11
N,903071,598385,34.6,L8.12
L18 - SB General Lanes - Inner,6,
N,903197,597901,39.8,L18.7
N,903172,598002,37.5,L18.8
N,903148,598104,35.8,L18.9
N,903125,598198,35,L18.10
N,903103,598290,34.6,L18.11
N,903079,598388,34.6,L18.12
L58 - SB HOV Lanes,7,
N,903206,597902,40,L58.7
N,903181,598006,38,L58.8
N,903157,598106,36,L58.9

N,903134,598200,35,L58.10
N,903112,598294,34.8,L58.11
N,903089,598391,34.7,L58.12
L57 - NB HOV Lanes,8,
N,903220,597913,40,L57.7
N,903197,598013,38,L57.8
N,903173,598110,36,L57.9
N,903151,598204,35,L57.10
N,903129,598299,34.8,L57.11
N,903105,598395,34.7,L57.12
L17 - NB General Lnaes - Inner,9,
N,903231,597916,39.8,L17.7
N,903207,598015,37.8,L17.8
N,903184,598111,35.8,L17.9
N,903161,598206,34.8,L17.10
N,903138,598301,34.6,L17.11
N,903114,598397,34.6,L17.12
L7 - NB General Lanes - Outer,10,
N,903239,597918,39.8,L7.7
N,903216,598017,37.8,L7.8
N,903192,598113,35.8,L7.9
N,903169,598208,34.8,L7.10
N,903146,598304,34.6,L7.11
N,903123,598401,34.6,L7.12
L2 - SB General Lanes - Outer,11,
N,903070,598385,34.6,L2.1
N,903048,598474,34.3,L2.2
N,903031,598544,34.7,L2.3
N,903007,598641,35.6,L2.4
N,902980,598753,36.8,L2.5
N,902958,598846,37.8,L2.6
N,902936,598933,38.8,L2.7
N,902913,599029,39.8,L2.8
N,902892,599114,40.8,L2.9
N,902869,599208,41.8,L2.10
N,902837,599337,43.3,L2.11
N,902806,599471,44.8,L2.12
N,902783,599567,45.8,L2.13
N,902760,599661,46.8,L2.14
N,902742,599738,47.8,L2.15
L12 - SB General Lanes - Inner,12,
N,903079,598388,34.6,L12.1
N,903056,598475,34.3,L12.2
N,903040,598546,34.7,L12.3
N,903016,598644,35.6,L12.4
N,902990,598756,36.8,L12.5
N,902966,598848,37.8,L12.6
N,902945,598935,38.8,L12.7
N,902922,599031,39.8,L12.8
N,902902,599116,40.8,L12.9
N,902878,599209,41.8,L12.10
N,902846,599339,43.3,L12.11
N,902815,599474,44.8,L12.12
N,902792,599569,45.8,L12.13
N,902769,599663,46.8,L12.14
N,902749,599740,47.8,L12.15

L52 - SB HOV Lanes,13,
N,903089,598391,34.7,L52.1
N,903067,598479,34.4,L52.2
N,903050,598548,34.7,L52.3
N,903025,598646,35.7,L52.4
N,902998,598759,37,L52.5
N,902977,598849,38,L52.6
N,902956,598939,39,L52.7
N,902931,599033,40,L52.8
N,902911,599117,41,L52.9
N,902888,599210,42,L52.10
N,902856,599341,43.5,L52.11
N,902824,599476,45,L52.12
N,902801,599571,46,L52.13
N,902778,599666,47,L52.14
N,902759,599742,48,L52.15
L51 - NB HOV Lanes,14,
N,903105,598396,34.7,L51.1
N,903083,598484,34.4,L51.2
N,903066,598553,34.7,L51.3
N,903041,598651,35.7,L51.4
N,903014,598766,37,L51.5
N,902993,598854,38,L51.6
N,902971,598947,39,L51.7
N,902948,599035,40,L51.8
N,902927,599124,41,L51.9
N,902905,599212,42,L51.10
N,902872,599350,43.5,L51.11
N,902840,599483,45,L51.12
N,902816,599576,46,L51.13
N,902794,599670,47,L51.14
N,902774,599752,48,L51.15
L11 - NB General Lanes - Inner,15,
N,903113,598398,34.6,L11.1
N,903092,598486,34.3,L11.2
N,903075,598555,34.7,L11.3
N,903052,598653,35.6,L11.4
N,903023,598768,36.9,L11.5
N,903002,598856,37.8,L11.6
N,902978,598949,38.8,L11.7
N,902958,599038,38.8,L11.8
N,902937,599127,40.8,L11.9
N,902914,599215,41.8,L11.10
N,902882,599353,43.3,L11.11
N,902849,599486,44.8,L11.12
N,902827,599579,45.8,L11.13
N,902804,599673,46.8,L11.14
N,902784,599756,47.8,L11.15
L1 - NB General Lanes - Outer,16,
N,903122,598401,34.6,L1.1
N,903102,598489,34.3,L1.2
N,903084,598558,34.7,L1.3
N,903059,598656,35.6,L1.4
N,903033,598771,36.9,L1.5
N,903011,598859,37.8,L1.6
N,902988,598952,38.8,L1.7

N,902967,599041,38.8,L1.8
N,902945,599129,40.8,L1.9
N,902923,599218,41.8,L1.10
N,902890,599356,43.3,L1.11
N,902858,599490,44.8,L1.12
N,902834,599582,45.8,L1.13
N,902813,599676,46.8,L1.14
N,902790,599758,47.8,L1.15
L21 - NB Leucadia Off-ramp,17,
N,902813,599676,46.8,L21.1
N,902805,599723,47.1,L21.2
N,902794,599780,47.8,L21.3
N,902786,599823,48,L21.4
N,902777,599883,48.1,L21.5
N,902765,599963,49.6,L21.6
N,902760,600002,50.7,L21.7
N,902764,600062,51.8,L21.8
N,902766,600120,53.9,L21.9
L22 - SB Leucadia On-ramp,18,
N,902783,599567,45.8,L22.1
N,902769,599610,46.1,L22.2
N,902754,599668,46.9,L22.3
N,902738,599726,47.2,L22.4
N,902717,599801,47.8,L22.5
N,902706,599841,47.9,L22.6
N,902685,599898,47.7,L22.7
N,902663,599953,48.1,L22.8
N,902641,600011,50.1,L22.9
N,902629,600047,52,L22.10
N,902613,600106,53.9,L22.11
L24 - SB Leucadia Off-ramp,19,
N,902606,600148,53.7,L24.1
N,902600,600207,50.8,L24.2
N,902589,600267,46.8,L24.3
N,902582,600326,44,L24.4
N,902570,600385,42.5,L24.5
N,902563,600445,41.9,L24.6
N,902554,600504,41.6,L24.7
N,902546,600540,41.3,L24.8
L23 - NB Leucadia On-ramp,20,
N,902763,600132,53.5,L23.1
N,902756,600149,53.2,L23.2
N,902745,600168,52.6,L23.3
N,902710,600215,49.4,L23.4
N,902694,600251,46.8,L23.5
N,902676,600308,44.1,L23.6
N,902656,600366,43,L23.7
N,902639,600421,42.4,L23.8
N,902619,600499,41.5,L23.9
N,902603,600558,41.3,L23.10
N,902571,600668,39.8,L23.11
L4 - SB General Lanes - Outer,21,
N,902742,599738,47.8,L4.1
N,902724,599817,48.3,L4.2
N,902697,599932,48.3,L4.3
N,902668,600051,47.3,L4.4

N,902637,600175,45.7,L4.5
N,902609,600291,44.3,L4.6
N,902578,600418,42.7,L4.7
N,902546,600540,41.3,L4.8
L14 - SB General Lanes - Inner,22,
N,902749,599740,47.8,L14.1
N,902731,599819,48.3,L14.2
N,902703,599935,48.3,L14.3
N,902674,600053,47.3,L14.4
N,902644,600177,45.7,L14.5
N,902615,600293,44.3,L14.6
N,902584,600420,42.7,L14.7
N,902556,600542,41.3,L14.8
L54 - SB HOV Lanes,23,
N,902759,599742,48,L54.1
N,902740,599823,48.5,L54.2
N,902712,599939,48.5,L54.3
N,902684,600056,47.5,L54.4
N,902653,600179,46,L54.5
N,902625,600294,44.5,L54.6
N,902594,600423,43,L54.7
N,902564,600544,41.5,L54.8
L53 - NB HOV Lanes,24,
N,902774,599752,48,L53.1
N,902755,599832,48.5,L53.2
N,902727,599945,48.5,L53.3
N,902700,600058,47.5,L53.4
N,902670,600182,46,L53.5
N,902641,600298,44.5,L53.6
N,902611,600423,43,L53.7
N,902582,600543,41.5,L53.8
L13 - NB General Lanes - Inner,25,
N,902784,599756,47.8,L13.1
N,902764,599835,48.3,L13.2
N,902737,599948,48.3,L13.3
N,902710,600061,47.3,L13.4
N,902681,600184,45.7,L13.5
N,902651,600301,44.3,L13.6
N,902621,600426,42.7,L13.7
N,902591,600546,41.3,L13.8
L3 - NB General Lanes - Outer,26
N,902790,599758,47.8,L3.1,
N,902771,599836,48.3,L3.2,
N,902743,599949,48.3,L3.3,
N,902716,600063,47.3,L3.4,
N,902687,600185,45.7,L3.5,
N,902657,600303,44.3,L3.6,
N,902628,600429,42.7,L3.7,
N,902600,600549,41.3,L3.8,
B6 - 9' Prop wall glass/block at MFR NB Side ST 678 to 680,1,2,0,0,
903250,598314,44,46.7,B6.1,
903216,598348,44,46.7,B6.2,
903193,598389,44.1,46.8,B6.3,
903162,598434,45.8,48.5,B6.4,
903144,598478,46.3,49,B6.5,
903123,598535,47,49.7,B6.6,

903123,598535,47,48,B6.6,
903137,598536,48,48,B6.7,
B7 - ROW/ Prop Line at YMCA NB Side,2,2,0,0,
903128,598539,49,49,B7.1,
903120,598562,48,48,B7.2,
903108,598598,48.5,48.5,B7.3,
903091,598655,47.5,47.5,B7.4,
903075,598707,47.5,47.5,B7.5,
903082,598714,50.5,50.5,B7.6,
903062,598793,51,51,B7.7,
903048,598843,51.5,51.5,B7.8,
903035,598909,51,51,B7.9,
903013,598924,47,47,B7.10,
B8 - ROW NB Side ST 685 to 699,3,2,0,0,
903013,598924,47,47,B8.1,
902998,598966,44,44,B8.2,
902983,599009,39,39,B8.3,
902974,599042,38.8,38.8,B8.4,
902961,599091,40,40,B8.5,
902956,599125,41,41,B8.6,
902943,599181,46,46,B8.7,
902933,599220,46,46,B8.8,
902925,599264,48,48,B8.9,
902918,599299,50,50,B8.10,
B9 - ROW NB Side ST 688 to 691,4,2,0,0,
902918,599299,50,50,B9.1,
902908,599334,49,49,B9.2,
902897,599362,46,46,B9.3,
902883,599425,46,46,B9.4,
902875,599465,47.5,47.5,B9.5,
902864,599509,46,46,B9.6,
902856,599557,48,48,B9.7,
902853,599577,45.8,45.8,B9.8,
902847,599604,44.5,44.5,B9.9,
B10 - Buildings Nursery NB Side ST 689,5,2,0,0,
902956,599369,49,53.6,B10.1,
902907,599368,47.5,52.1,B10.2,
902899,599437,47.5,52.1,B10.3,
902885,599484,48,52.6,B10.4,
902891,599532,49,53.6,B10.5,
902921,599531,50,54.6,B10.6,
B55 - Center Divider,6,2,0,0,
903189,598011,38,39,B55.5,
903165,598108,36,37,B55.6,
903142,598204,35,36,B55.7,
903120,598295,34.8,35.8,B55.8,
903097,598394,34.7,35.7,B55.9,
B56 - Center Divider,7,2,0,0,
903097,598393,34.7,35.7,B56.1,
903075,598481,34.4,35.4,B56.2,
903057,598552,34.7,35.7,B56.3,
903034,598649,35.7,36.7,B56.4,
903007,598762,37,38,B56.5,
902986,598852,38,39,B56.6,
902962,598943,39,40,B56.7,
902940,599034,40,41,B56.8,

902919,599121,41,42,B56.9,
902896,599211,42,43,B56.10,
B57 - Center Divider,8,2,0,0,
902896,599211,42,43,B57.1,
902864,599345,43.5,44.5,B57.2,
902831,599481,45,46,B57.3,
902809,599574,46,47,B57.4,
902786,599668,47,48,B57.5,
902766,599749,48,49,B57.6,
902747,599830,48.5,49.5,B57.7,
902720,599944,48.5,49.5,B57.8,
902692,600057,47.5,48.5,B57.9,
902662,600181,46,47,B57.10,
B58 - Center Divider,9,2,0,0,
902662,600181,46,47,B58.1,
902633,600297,44.5,45.5,B58.2,
902603,600422,43,44,B58.3,
B12 - NB Shoulder to ROW ST 691 to 696,10,2,0,0,
902842,599584,45.8,45.8,B12.1,
902822,599671,47,47,B12.2,
902812,599718,50,50,B12.3,
902804,599763,52,52,B12.4,
902800,599809,52,52,B12.5,
902792,599865,52.5,52.5,B12.6,
902783,599915,53.1,53.1,B12.7,
902781,599967,54,54,B12.8,
902781,600009,54.5,54.5,B12.9,
902780,600074,54,54,B12.10,
B11 - Greenhouse Building NB Side ST 693,11,2,0,0,
902865,599725,50.5,55.1,B11.1,
902823,599722,50.5,55.1,B11.2,
902828,599816,53.5,58.1,B11.3,
902888,599818,54.5,59.1,B11.4,
B13 - 3-story Holiday Inn Bldg ST 696,12,2,0,0,
902792,600000,54.5,65.5,B13.1,
902811,600000,54.5,65.5,B13.2,
902814,600077,54.5,65.5,B13.3,
902823,600089,54.5,65.5,B13.4,
B18 - NB Leucadia Bridge,13,2,0,0,
902759,599962,49.6,49.6,B18.1A,
902752,600065,52,52,B18.1,
902754,600111,53.3,53.3,B18.2,
902709,600111,53.7,53.7,B18.3,
902702,600140,53.7,53.7,B18.4,
902754,600139,53.5,53.5,B18.5,
B118 NB Leucadia on-ramp,14,2,0,0,
902766,600141,53.4,54.3,B118.1,
902761,600152,53.2,54.1,B118.2,
902748,600171,52.6,53.5,B118.3,
902733,600192,50.9,51.8,B118.4,
902719,600222,49.4,50.3,B118.5,
902703,600255,46.8,47.7,B118.6,
902680,600311,44.1,45,B118.7,
902662,600370,43,43.9,B118.8,
B81.1 - Pet Hotel Buildings at R11.30,15,2,0,0,
902943,599258,48,52.9,B81.1,

902939,599272,48,52.9,B81.2,
902936,599279,51,55.9,B81.3,
902925,599297,51,55.9,B81.4,
902935,599316,51,55.9,B81.5,
B82.1 - House at R11.29,16,2,0,0,
902950,599199,48.2,51.9,B82.1,
902976,599225,48.4,52.1,B82.2,
R,1,67,4
902898,599549,50.7,R11.31/ ST11.6
R,2,67,4
902899,599631,46,R11.31A
R,3,67,4
902839,599665,46.5,R11.32
R,4,67,
902866,599835,56.2,R11.33
R,5,67,4
902811,599876,54.8,R11.34/ LT11.2
R,6,67,4
902791,599921,55,R11.35/ ST11.35
R,7,67,4
902822,599960,56.5,R11.36
R,8,67,4
902821,600069,55.8,R11.37
D,4.5
ALL,1
ALL,2
ALL,3
ALL,4
ALL,5
ALL,6
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
11 - ENCINITAS TO LEUCADIA EAST - NORTH SIDE - BUILD,BLD,FT

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	-	9.*							B6.1	157.8	
2	-	9.*							B6.2	154.2	
3	-	9.*							B6.3	179.3	
4	-	9.*							B6.4	156.0	
5	-	9.*							B6.5	199.3	
6	-	6.*							B6.6	5.6	
7	-	2.*							B6.6	46.0	
8	-	0.*							B7.1	80.0	
9	-	0.*							B7.2	124.5	
10	-	0.*							B7.3	195.2	
11	-	0.*							B7.4	178.5	
12	-	0.*							B7.5	34.0	
13	-	0.*							B7.6	267.4	
14	-	0.*							B7.7	170.3	
15	-	0.*							B7.8	220.7	
16	-	0.*							B7.9	88.4	
17	-	0.*							B8.1	146.6	
18	-	0.*							B8.2	150.3	
19	-	0.*							B8.3	112.3	
20	-	0.*							B8.4	166.4	
21	-	0.*							B8.5	112.7	
22	-	0.*							B8.6	189.3	
23	-	0.*							B8.7	132.1	
24	-	0.*							B8.8	146.8	
25	-	0.*							B8.9	117.4	
26	-	0.*							B9.1	119.4	
27	-	0.*							B9.2	99.2	
28	-	0.*							B9.3	211.7	
29	-	0.*							B9.4	133.9	
30	-	0.*							B9.5	148.8	
31	-	0.*							B9.6	159.8	
32	-	0.*							B9.7	66.7	
33	-	0.*							B9.8	90.8	
34	-	15.*							B10.1	160.9	
35	-	15.*							B10.2	227.9	
36	-	15.*							B10.3	160.9	
37	-	15.*							B10.4	158.8	
38	-	15.*							B10.5	98.5	

39	- 3.*	B55.5	328.0
40	- 3.*	B55.6	323.8
41	- 3.*	B55.7	307.2
42	- 3.*	B55.8	333.4
43	- 3.*	B56.1	297.6
44	- 3.*	B56.2	240.4
45	- 3.*	B56.3	327.0
46	- 3.*	B56.4	381.3
47	- 3.*	B56.5	303.2
48	- 3.*	B56.6	308.8
49	- 3.*	B56.7	307.1
50	- 3.*	B56.8	293.7
51	- 3.*	B56.9	304.8
52	- 3.*	B57.1	452.0
53	- 3.*	B57.2	459.2
54	- 3.*	B57.3	313.5
55	- 3.*	B57.4	317.5
56	- 3.*	B57.5	273.7
57	- 3.*	B57.6	273.0
58	- 3.*	B57.7	384.4
59	- 3.*	B57.8	381.9
60	- 3.*	B57.9	418.7
61	- 3.*	B58.1	392.2
62	- 3.*	B58.2	421.9
63	- 0.*	B12.1	292.9
64	- 0.*	B12.2	158.0
65	- 0.*	B12.3	150.2
66	- 0.*	B12.4	151.5
67	- 0.*	B12.5	185.6
68	- 0.*	B12.6	166.7
69	- 0.*	B12.7	170.8
70	- 0.*	B12.8	137.8
71	- 0.*	B12.9	213.2
72	- 15.*	B11.1	138.1
73	- 15.*	B11.2	309.0
74	- 15.*	B11.3	197.0
75	- 36.*	B13.1	62.3
76	- 36.*	B13.2	252.9
77	- 36.*	B13.3	49.1
78	- 0.*	B18.1A	338.8
79	- 0.*	B18.1	151.1
80	- 0.*	B18.2	147.6
81	- 0.*	B18.3	97.9
82	- 0.*	B18.4	170.6
83	- 3.*	B118.1	39.7
84	- 3.*	B118.2	75.6
85	- 3.*	B118.3	84.9
86	- 3.*	B118.4	108.7

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87    -  3.*                        B118.5    120.7
88    -  3.*                        B118.6    198.8
89    -  3.*                        B118.7    202.4

90    - 16.*                         B81.1     47.7
91    - 16.*                         B81.2     26.9
92    - 16.*                         B81.3     69.2
93    - 16.*                         B81.4     70.4

94    - 12.*                         B82.1    120.6
--------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
---------------------------------
 1  R11.31/   67.    500.   74.6
 2  R11.31A   67.    500.   72.3
 3  R11.32    67.    500.   78.2
 4  R11.33    67.    500.   70.0
 5  R11.34/   67.    500.   75.0
 6  R11.35/   67.    500.   76.8
 7  R11.36    67.    500.   72.7
 8  R11.37    67.    500.   61.8
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 9. 9. 9. 9. 9. 6. 2. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 0. 0. 0. 0. 0. 0. 0. 0.15.15.15.15.15. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0.15.15.15.36.
36.36. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3.16.16.16.16.12.
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11 - Encinitas to Leucadia EAST SIDE NORTH - DGN,DGN,Ft
T-L33 - NB Encinitas Off-ramp,1,
950,45,24,45,26,45,
T-L34 - SB Encinitas On-ramp,2,
950,45,24,45,26,45,
T-L35 - NB Encinitas On-ramp,3,
950,45,24,45,26,45,
T-L36 - SB Encinitas Off-ramp,4,
950,45,24,45,26,45,
T-L8 - SB General Lanes - Outer,5,
3052,65,122,65,426,65,
T-L18 - SB General Lanes - Inner,6,
5217,65,183,65,0,65,
T-L58 - SB HOV Lanes,7,
3000,65,0,65,0,65,
T-L57 - NB HOV Lanes,8,
3000,65,0,65,0,65
T-L17 - NB General Lnaes - Inner,9
5217,65,183,65,0,65
T-L7 - NB General Lanes - Outer,10
3052,65,122,65,426,65
T-L2 - SB General Lanes - Outer,11
3052,65,122,65,426,65
T-L12 - SB General Lanes - Inner,12
5217,65,183,65,0,65
T-L52 - SB HOV Lanes,13
3000,65,0,65,0,65
T-L51 - NB HOV Lanes,14
3000,65,0,65,0,65
T-L11 - NB General Lanes - Inner,15
5217,65,183,65,0,65
T-L1 - NB General Lanes - Outer,16
3052,65,122,65,426,65
T-L21 - NB Leucadia Off-ramp,17
950,45,24,45,26,45
T-L22 - SB Leucadia On-ramp,18
950,45,24,45,26,45
T-L24 - SB Leucadia Off-ramp,19
950,45,24,45,26,45
T-L23 - NB Leucadia On-ramp,20
950,45,24,45,26,45
T-L4 - SB General Lanes - Outer,21
3052,65,122,65,426,65
T-L14 - SB General Lanes - Inner,22
5217,65,183,65,0,65
T-L54 - SB HOV Lanes,23
3000,65,0,65,0,65
T-L53 - NB HOV Lanes,24
3000,65,0,65,0,65
T-L13 - NB General Lanes - Inner,25
5217,65,183,65,0,65
T-L3 - NB General Lanes - Outer,26
3052,65,122,65,426,65
L33 - NB Encinitas Off-ramp,1
N,903263,597823,41.8,L33.1,
N,903244,597913,39.6,L33.2,

N,903230,598013,37.4,L33.3,
N,903219,598093,35.2,L33.4,
N,903218,598172,32.3,L33.5,
N,903219,598246,31,L33.6,
L34 - SB Encinitas On-ramp,2
N,903209,597801,41.9,L34.1,
N,903192,597860,40.8,L34.2,
N,903177,597920,39.1,L34.3,
N,903155,597995,37.5,L34.4
N,903130,598070,35.7,L34.5
N,903105,598124,34.1,L34.6
N,903075,598176,29.9,L34.7
N,903043,598228,27.2,L34.8
N,903036,598248,26.5,L34.9
N,903030,598267,26.1,L34.10
L35 - NB Encinitas On-ramp,3,
N,903220,598264,31.1,L35.1
N,903217,598284,31.2,L35.2
N,903210,598305,31.4,L35.3
N,903179,598357,32.2,L35.4
N,903149,598408,33.3,L35.5
N,903125,598463,33.7,L35.6
N,903106,598519,34,L35.7
N,903088,598576,34.3,L35.8
N,903068,598653,35.2,L35.9
N,903053,598711,36.2,L35.10
N,903033,598771,36.9,L35.11
L36 - SB Encinitas Off-ramp,4,
N,903028,598283,26,L36.1
N,903029,598340,25.9,L36.2
N,903027,598401,28.1,L36.3
N,903026,598459,30.9,L36.4
N,903025,598499,32.2,L36.5
N,903016,598558,34.3,L36.6
N,903006,598618,35,L36.7
N,903001,598657,35.9,L36.8
N,902992,598697,36.1,L36.9
N,902980,598753,36.8,L36.10
L8 - SB General Lanes - Outer,5,
N,903188,597899,39.8,L8.7
N,903164,598000,37.5,L8.8
N,903140,598101,35.8,L8.9
N,903115,598196,35,L8.10
N,903093,598288,34.6,L8.11
N,903071,598385,34.6,L8.12
L18 - SB General Lanes - Inner,6,
N,903197,597901,39.8,L18.7
N,903172,598002,37.5,L18.8
N,903148,598104,35.8,L18.9
N,903125,598198,35,L18.10
N,903103,598290,34.6,L18.11
N,903079,598388,34.6,L18.12
L58 - SB HOV Lanes,7,
N,903206,597902,40,L58.7
N,903181,598006,38,L58.8
N,903157,598106,36,L58.9

N,903134,598200,35,L58.10
N,903112,598294,34.8,L58.11
N,903089,598391,34.7,L58.12
L57 - NB HOV Lanes,8,
N,903220,597913,40,L57.7
N,903197,598013,38,L57.8
N,903173,598110,36,L57.9
N,903151,598204,35,L57.10
N,903129,598299,34.8,L57.11
N,903105,598395,34.7,L57.12
L17 - NB General Lnaes - Inner,9,
N,903231,597916,39.8,L17.7
N,903207,598015,37.8,L17.8
N,903184,598111,35.8,L17.9
N,903161,598206,34.8,L17.10
N,903138,598301,34.6,L17.11
N,903114,598397,34.6,L17.12
L7 - NB General Lanes - Outer,10,
N,903239,597918,39.8,L7.7
N,903216,598017,37.8,L7.8
N,903192,598113,35.8,L7.9
N,903169,598208,34.8,L7.10
N,903146,598304,34.6,L7.11
N,903123,598401,34.6,L7.12
L2 - SB General Lanes - Outer,11,
N,903070,598385,34.6,L2.1
N,903048,598474,34.3,L2.2
N,903031,598544,34.7,L2.3
N,903007,598641,35.6,L2.4
N,902980,598753,36.8,L2.5
N,902958,598846,37.8,L2.6
N,902936,598933,38.8,L2.7
N,902913,599029,39.8,L2.8
N,902892,599114,40.8,L2.9
N,902869,599208,41.8,L2.10
N,902837,599337,43.3,L2.11
N,902806,599471,44.8,L2.12
N,902783,599567,45.8,L2.13
N,902760,599661,46.8,L2.14
N,902742,599738,47.8,L2.15
L12 - SB General Lanes - Inner,12,
N,903079,598388,34.6,L12.1
N,903056,598475,34.3,L12.2
N,903040,598546,34.7,L12.3
N,903016,598644,35.6,L12.4
N,902990,598756,36.8,L12.5
N,902966,598848,37.8,L12.6
N,902945,598935,38.8,L12.7
N,902922,599031,39.8,L12.8
N,902902,599116,40.8,L12.9
N,902878,599209,41.8,L12.10
N,902846,599339,43.3,L12.11
N,902815,599474,44.8,L12.12
N,902792,599569,45.8,L12.13
N,902769,599663,46.8,L12.14
N,902749,599740,47.8,L12.15

L52 - SB HOV Lanes,13,
N,903089,598391,34.7,L52.1
N,903067,598479,34.4,L52.2
N,903050,598548,34.7,L52.3
N,903025,598646,35.7,L52.4
N,902998,598759,37,L52.5
N,902977,598849,38,L52.6
N,902956,598939,39,L52.7
N,902931,599033,40,L52.8
N,902911,599117,41,L52.9
N,902888,599210,42,L52.10
N,902856,599341,43.5,L52.11
N,902824,599476,45,L52.12
N,902801,599571,46,L52.13
N,902778,599666,47,L52.14
N,902759,599742,48,L52.15
L51 - NB HOV Lanes,14,
N,903105,598396,34.7,L51.1
N,903083,598484,34.4,L51.2
N,903066,598553,34.7,L51.3
N,903041,598651,35.7,L51.4
N,903014,598766,37,L51.5
N,902993,598854,38,L51.6
N,902971,598947,39,L51.7
N,902948,599035,40,L51.8
N,902927,599124,41,L51.9
N,902905,599212,42,L51.10
N,902872,599350,43.5,L51.11
N,902840,599483,45,L51.12
N,902816,599576,46,L51.13
N,902794,599670,47,L51.14
N,902774,599752,48,L51.15
L11 - NB General Lanes - Inner,15,
N,903113,598398,34.6,L11.1
N,903092,598486,34.3,L11.2
N,903075,598555,34.7,L11.3
N,903052,598653,35.6,L11.4
N,903023,598768,36.9,L11.5
N,903002,598856,37.8,L11.6
N,902978,598949,38.8,L11.7
N,902958,599038,38.8,L11.8
N,902937,599127,40.8,L11.9
N,902914,599215,41.8,L11.10
N,902882,599353,43.3,L11.11
N,902849,599486,44.8,L11.12
N,902827,599579,45.8,L11.13
N,902804,599673,46.8,L11.14
N,902784,599756,47.8,L11.15
L1 - NB General Lanes - Outer,16,
N,903122,598401,34.6,L1.1
N,903102,598489,34.3,L1.2
N,903084,598558,34.7,L1.3
N,903059,598656,35.6,L1.4
N,903033,598771,36.9,L1.5
N,903011,598859,37.8,L1.6
N,902988,598952,38.8,L1.7

N,902967,599041,38.8,L1.8
N,902945,599129,40.8,L1.9
N,902923,599218,41.8,L1.10
N,902890,599356,43.3,L1.11
N,902858,599490,44.8,L1.12
N,902834,599582,45.8,L1.13
N,902813,599676,46.8,L1.14
N,902790,599758,47.8,L1.15
L21 - NB Leucadia Off-ramp,17,
N,902813,599676,46.8,L21.1
N,902805,599723,47.1,L21.2
N,902794,599780,47.8,L21.3
N,902786,599823,48,L21.4
N,902777,599883,48.1,L21.5
N,902765,599963,49.6,L21.6
N,902760,600002,50.7,L21.7
N,902764,600062,51.8,L21.8
N,902766,600120,53.9,L21.9
L22 - SB Leucadia On-ramp,18,
N,902783,599567,45.8,L22.1
N,902769,599610,46.1,L22.2
N,902754,599668,46.9,L22.3
N,902738,599726,47.2,L22.4
N,902717,599801,47.8,L22.5
N,902706,599841,47.9,L22.6
N,902685,599898,47.7,L22.7
N,902663,599953,48.1,L22.8
N,902641,600011,50.1,L22.9
N,902629,600047,52,L22.10
N,902613,600106,53.9,L22.11
L24 - SB Leucadia Off-ramp,19,
N,902606,600148,53.7,L24.1
N,902600,600207,50.8,L24.2
N,902589,600267,46.8,L24.3
N,902582,600326,44,L24.4
N,902570,600385,42.5,L24.5
N,902563,600445,41.9,L24.6
N,902554,600504,41.6,L24.7
N,902546,600540,41.3,L24.8
L23 - NB Leucadia On-ramp,20,
N,902763,600132,53.5,L23.1
N,902756,600149,53.2,L23.2
N,902745,600168,52.6,L23.3
N,902710,600215,49.4,L23.4
N,902694,600251,46.8,L23.5
N,902676,600308,44.1,L23.6
N,902656,600366,43,L23.7
N,902639,600421,42.4,L23.8
N,902619,600499,41.5,L23.9
N,902603,600558,41.3,L23.10
N,902571,600668,39.8,L23.11
L4 - SB General Lanes - Outer,21,
N,902742,599738,47.8,L4.1
N,902724,599817,48.3,L4.2
N,902697,599932,48.3,L4.3
N,902668,600051,47.3,L4.4

N,902637,600175,45.7,L4.5
N,902609,600291,44.3,L4.6
N,902578,600418,42.7,L4.7
N,902546,600540,41.3,L4.8
L14 - SB General Lanes - Inner,22,
N,902749,599740,47.8,L14.1
N,902731,599819,48.3,L14.2
N,902703,599935,48.3,L14.3
N,902674,600053,47.3,L14.4
N,902644,600177,45.7,L14.5
N,902615,600293,44.3,L14.6
N,902584,600420,42.7,L14.7
N,902556,600542,41.3,L14.8
L54 - SB HOV Lanes,23,
N,902759,599742,48,L54.1
N,902740,599823,48.5,L54.2
N,902712,599939,48.5,L54.3
N,902684,600056,47.5,L54.4
N,902653,600179,46,L54.5
N,902625,600294,44.5,L54.6
N,902594,600423,43,L54.7
N,902564,600544,41.5,L54.8
L53 - NB HOV Lanes,24,
N,902774,599752,48,L53.1
N,902755,599832,48.5,L53.2
N,902727,599945,48.5,L53.3
N,902700,600058,47.5,L53.4
N,902670,600182,46,L53.5
N,902641,600298,44.5,L53.6
N,902611,600423,43,L53.7
N,902582,600543,41.5,L53.8
L13 - NB General Lanes - Inner,25,
N,902784,599756,47.8,L13.1
N,902764,599835,48.3,L13.2
N,902737,599948,48.3,L13.3
N,902710,600061,47.3,L13.4
N,902681,600184,45.7,L13.5
N,902651,600301,44.3,L13.6
N,902621,600426,42.7,L13.7
N,902591,600546,41.3,L13.8
L3 - NB General Lanes - Outer,26
N,902790,599758,47.8,L3.1,
N,902771,599836,48.3,L3.2,
N,902743,599949,48.3,L3.3,
N,902716,600063,47.3,L3.4,
N,902687,600185,45.7,L3.5,
N,902657,600303,44.3,L3.6,
N,902628,600429,42.7,L3.7,
N,902600,600549,41.3,L3.8,
B6 - 9' Prop wall glass/block at MFR NB Side ST 678 to 680,1,2,0,0,
903123,598535,47,51.3,B6.6,
903128,598539,49,53.3,B7.1,
B7 - ROW/ Prop Line at YMCA NB Side Soundwall,2,2,0,0,
903128,598539,49,52.0,B7.1,
903120,598562,48,51.0,B7.2,
903108,598598,48.5,51.5,B7.3,

903091,598655,47.5,50.5,B7.4,
903075,598707,47.5,50.5,B7.5,
903075,598707,47.5,49.9,B7.5,
903082,598714,50.5,52.9,B7.6,
903062,598793,51,53.4,B7.7,
903048,598843,51.5,53.9,B7.8,
903035,598909,51,53.4,B7.9,
B7 - ROW/ Prop Line at YMCA NB Side,3,2,0,0,
903035,598909,51,51,B7.9,
903013,598924,47,47,B7.10,
B8 - ROW NB Side ST 685 to 699 Soundwall,4,2,0,0,
903022,598900,48,48,B8.1A,
903013,598924,47,47,B8.1,
903003,598955,45,45,B8.2A,
903007,598969,44,44,B8.2,
902990,599001,40,40,B8.3A,
902983,599009,39,39,B8.3,
902974,599042,38.8,38.8,B8.4,
902961,599091,40,40,B8.5,
902965,599102,40.5,40.5,B8.5A,
B8 - ROW NB Side ST 685 to 699 Soundwall,5,2,0,0,
902965,599102,40.5,45.4,B8.5A,
902956,599125,41,45.9,B8.6,
902943,599181,46,50.9,B8.7,
902933,599220,46,50.9,B8.8,
902933,599233,45.1,50.0,B8.8A,
902933,599233,45.1,45.1,B8.8A,
902925,599264,48,48,B8.9,
902918,599299,50,50.0,B8.10,
B9 - ROW NB Side ST 688 to 691 ,6,2,0,0,
902918,599299,50,50,B9.1,
902908,599334,49,49,B9.2,
902897,599362,46,46,B9.3,
902883,599425,46,46,B9.4,
902875,599465,47.5,47.5,B9.5,
902872,599476,47,47,B9.5A,
B9 - ROW NB Side ST 688 to 691 Soundwall,7,2,0,0,
902872,599476,47,50.7,B9.5A,
902864,599509,46,49.7,B9.6,
902856,599557,48,51.7,B9.7,
902853,599577,45.8,49.5,B9.8,
B10 - Buildings Nursery NB Side ST 689,8,2,0,0,
902956,599369,49,53.6,B10.1,
902907,599368,47.5,52.1,B10.2,
902899,599437,47.5,52.1,B10.3,
902885,599484,48,52.6,B10.4,
902891,599532,49,53.6,B10.5,
902921,599531,50,54.6,B10.6,
B55 - Center Divider,9,2,0,0,
903189,598011,38,39,B55.5,
903165,598108,36,37,B55.6,
903142,598204,35,36,B55.7,
903120,598295,34.8,35.8,B55.8,
903097,598394,34.7,35.7,B55.9,
B56 - Center Divider,10,2,0,0,
903097,598393,34.7,35.7,B56.1,

903075,598481,34.4,35.4,B56.2,
903057,598552,34.7,35.7,B56.3,
903034,598649,35.7,36.7,B56.4,
903007,598762,37,38,B56.5,
902986,598852,38,39,B56.6,
902962,598943,39,40,B56.7,
902940,599034,40,41,B56.8,
902919,599121,41,42,B56.9,
902896,599211,42,43,B56.10,
B57 - Center Divider,11,2,0,0,
902896,599211,42,43,B57.1,
902864,599345,43.5,44.5,B57.2,
902831,599481,45,46,B57.3,
902809,599574,46,47,B57.4,
902786,599668,47,48,B57.5,
902766,599749,48,49,B57.6,
902747,599830,48.5,49.5,B57.7,
902720,599944,48.5,49.5,B57.8,
902692,600057,47.5,48.5,B57.9,
902662,600181,46,47,B57.10,
B12 - NB Shoulder to ROW ST 691 to 696 Soundwall,12,2,0,0,
902853,599577,45.8,49.5,B9.8,
902842,599584,45.8,49.5,B12.1,
902822,599671,47,50.7,B12.2,
902812,599718,50,53.7,B12.3,
902804,599763,52,55.7,B12.4,
902800,599809,52,55.7,B12.5,
902800,599809,52,56.3,B12.5,
902792,599865,52.5,56.8,B12.6,
902783,599915,53.1,57.4,B12.7,
B12 - NB Shoulder to ROW ST 691 to 696,13,2,0,0,
902783,599915,53.1,56.8,B12.7,
902781,599967,54,57.7,B12.8,
902781,600009,54.5,58.2,B12.9,
902781,600009,54.5,54.5,B12.9,
902780,600074,54,54,B12.10,
B11 - Greenhouse Building NB Side ST 693,14,2,0,0,
902865,599725,50.5,55.1,B11.1,
902823,599722,50.5,55.1,B11.2,
902828,599816,53.5,58.1,B11.3,
902888,599818,54.5,59.1,B11.4,
B13 - 3-story Holiday Inn Bldg ST 696,15,2,0,0,
902792,600000,54.5,65.5,B13.1,
902811,600000,54.5,65.5,B13.2,
902814,600077,54.5,65.5,B13.3,
902823,600089,54.5,65.5,B13.4,
B18 - NB Leucadia Bridge,16,2,0,0,
902759,599962,49.6,49.6,B18.1A,
902752,600065,52,52,B18.1,
902754,600111,53.3,53.3,B18.2,
902709,600111,53.7,53.7,B18.3,
902702,600140,53.7,53.7,B18.4,
902754,600139,53.5,53.5,B18.5,
B118 NB Leucadia on-ramp,17,2,0,0,
902766,600141,53.4,53.4,B118.1,
902761,600152,53.2,53.2,B118.2,

902748,600171,52.6,52.6,B118.3,
902733,600192,50.9,50.9,B118.4,
902719,600222,49.4,49.4,B118.5,
902703,600255,46.8,46.8,B118.6,
902680,600311,44.1,44.1,B118.7,
B81.1 - Pet Hotel Buildings at R11.30,18,2,0,0,
902943,599258,48,52.9,B81.1,
902939,599272,48,52.9,B81.2,
902936,599279,51,55.9,B81.3,
902925,599297,51,55.9,B81.4,
902935,599316,51,55.9,B81.5,
B82.1 - House at R11.29,19,2,0,0,
902950,599199,48.2,53.2,B82.1,
902976,599225,48.4,53.4,B82.2,
R,1,67,4
902898,599549,50.7,R11.31/ ST11.6
R,2,67,4
902899,599631,46,R11.31A
R,3,67,4
902839,599665,46.5,R11.32
R,4,67,4
902866,599835,56.2,R11.33
R,5,67,4
902811,599876,54.8,R11.34/ LT11.2
R,6,67,4
902791,599921,55,R11.35/ ST11.35
R,7,67,4
902822,599960,56.5,R11.36
R,8,67,4
902821,600069,55.8,R11.37
D,4.5
ALL,1
ALL,2
ALL,3
ALL,4
ALL,5
ALL,6
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
11 - ENCINITAS TO LEUCADIA EAST SIDE NORTH - DGN,DGN,FT

1

BARRIER DATA
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BAR	BARRIER HEIGHTS								BAR	
ELE	0	1	2	3	4	5	6	7	ID	LENGTH TYPE
1	-	14.*							B6.6	22.0
2	-	10.*							B7.1	80.0
3	-	10.*							B7.2	124.5
4	-	10.*							B7.3	195.2
5	-	10.*							B7.4	178.5
6	-	9.*							B7.5	2.0
7	-	8.*							B7.5	34.0
8	-	8.*							B7.6	267.4
9	-	8.*							B7.7	170.3
10	-	8.*							B7.8	220.7
11	-	0.*							B7.9	88.4
12	-	0.*							B8.1A	84.2
13	-	0.*							B8.1	107.1
14	-	0.*							B8.2A	47.8
15	-	0.*							B8.2	119.6
16	-	0.*							B8.3A	34.9
17	-	0.*							B8.3	112.3
18	-	0.*							B8.4	166.4
19	-	0.*							B8.5	38.3
20	-	16.*							B8.5A	81.1
21	-	16.*							B8.6	189.3
22	-	16.*							B8.7	132.1
23	-	16.*							B8.8	42.7
24	-	8.*							B8.8A	16.0
25	-	0.*							B8.8A	105.4
26	-	0.*							B8.9	117.4
27	-	0.*							B9.1	119.4
28	-	0.*							B9.2	99.2
29	-	0.*							B9.3	211.7
30	-	0.*							B9.4	133.9
31	-	0.*							B9.5	37.4
32	-	12.*							B9.5A	111.4
33	-	12.*							B9.6	159.8
34	-	12.*							B9.7	66.7
35	-	15.*							B10.1	160.9
36	-	15.*							B10.2	227.9

37	- 15.*	B10.3	160.9
38	- 15.*	B10.4	158.8
39	- 15.*	B10.5	98.5
40	- 3.*	B55.5	328.0
41	- 3.*	B55.6	323.8
42	- 3.*	B55.7	307.2
43	- 3.*	B55.8	333.4
44	- 3.*	B56.1	297.6
45	- 3.*	B56.2	240.4
46	- 3.*	B56.3	327.0
47	- 3.*	B56.4	381.3
48	- 3.*	B56.5	303.2
49	- 3.*	B56.6	308.8
50	- 3.*	B56.7	307.1
51	- 3.*	B56.8	293.7
52	- 3.*	B56.9	304.8
53	- 3.*	B57.1	452.0
54	- 3.*	B57.2	459.2
55	- 3.*	B57.3	313.5
56	- 3.*	B57.4	317.5
57	- 3.*	B57.5	273.7
58	- 3.*	B57.6	273.0
59	- 3.*	B57.7	384.4
60	- 3.*	B57.8	381.9
61	- 3.*	B57.9	418.7
62	- 12.*	B9.8	42.7
63	- 12.*	B12.1	292.9
64	- 12.*	B12.2	158.0
65	- 12.*	B12.3	150.1
66	- 12.*	B12.4	151.5
67	- 13.*	B12.5	2.0
68	- 14.*	B12.5	185.6
69	- 14.*	B12.6	166.7
70	- 12.*	B12.7	170.8
71	- 12.*	B12.8	137.8
72	- 6.*	B12.9	12.1
73	- 0.*	B12.9	213.2
74	- 15.*	B11.1	138.1
75	- 15.*	B11.2	309.0
76	- 15.*	B11.3	197.0
77	- 36.*	B13.1	62.3
78	- 36.*	B13.2	252.9
79	- 36.*	B13.3	49.1
80	- 0.*	B18.1A	338.8
81	- 0.*	B18.1	151.1
82	- 0.*	B18.2	147.6
83	- 0.*	B18.3	97.9
84	- 0.*	B18.4	170.6

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85    -  0.*                      B118.1     39.7
86    -  0.*                      B118.2     75.6
87    -  0.*                      B118.3     84.9
88    -  0.*                      B118.4    108.7
89    -  0.*                      B118.5    120.7
90    -  0.*                      B118.6    198.8

91    - 16.*                       B81.1     47.7
92    - 16.*                       B81.2     26.9
93    - 16.*                       B81.3     69.2
94    - 16.*                       B81.4     70.4

95    - 16.*                       B82.1    120.6
--------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
---------------------------------
 1  R11.31/   67.    500.   70.2
 2  R11.31A   67.    500.   66.3
 3  R11.32    67.    500.   68.6
 4  R11.33    67.    500.   65.3
 5  R11.34/   67.    500.   67.8
 6  R11.35/   67.    500.   67.9
 7  R11.36    67.    500.   66.8
 8  R11.37    67.    500.   60.3
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
14.10.10.10.10. 9. 8. 8. 8. 8. 0. 0. 0. 0. 0. 0. 0. 0. 0.16.16.16.16. 8. 0.
 0. 0. 0. 0. 0. 0.12.12.12.15.15.15.15.15. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.12.12.12.12.12.13.14.14.12.12. 6. 0.15.15.
15.36.36.36. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.16.16.16.16.16.
```

12 - Leucadia to La Costa WEST Side - Future No-Build,
T-L21 - NB Leucadia Off-ramp,1
884,45,22,45,24,45
T-L22 - SB Leucadia On-ramp,2
713,45,18,45,20,45
T-L24 - SB Leucadia Off-ramp,3
770,45,19,45,21,45
T-L23 - NB Leucadia On-ramp,4
551,45,14,45,15,45
T-L4 - SB General Lanes - Outer,5
0,65,0,65,0,65
T-L14 - SB General Lanes - Inner,6
3269,65,87,65,244,65
T-L54 - SB General (Future HOV Lanes),7
3513,65,87,65,0,65
T-L53 - NB General (Future HOV Lanes),8
3513,65,87,65,0,65,
T-L13 - NB General Lanes - Inner,9,
3269,65,87,65,244,65,
T-L3 - NB General Lanes - Outer,10,
0,65,0,65,0,65,
T-L6 - SB General Lanes - Outer,11,
0,65,0,65,0,65,
T-L16 - SB General Lanes - Inner,12,
3269,65,87,65,244,65,
T-L56 - SB General (Future HOV Lanes),13,
3513,65,87,65,0,65,
T-L55 - NB General (Future HOV Lanes),14,
3513,65,87,65,0,65,
T-L15 - NB General Lanes - Inner,15,
3269,65,87,65,244,65,
T-L5 - NB General Lanes - Outer,16,
0,65,0,65,0,65
T-L26 - SB La Costa On-Ramp,17
760,45,19,45,21,45
T-L25 - NB La Costa Off-Ramp,18
789,45,20,45,22,45
T-L27 - NB La Costa On-Ramp,19
627,45,16,45,17,45
T-L28 - SB La Costa Off-Ramp,20
760,45,19,45,21,45
L21 - NB Leucadia Off-ramp,1
N,902813,599676,46.8,L21.1,
N,902800,599736,47.3,L21.2,
N,902785,599799,47.8,L21.3,
N,902770,599898,48.2,L21.4,
N,902762,599957,49.4,L21.5,
N,902759,600015,50.8,L21.6,
N,902761,600057,51.8,L21.7
N,902764,600106,53.3,L21.8
L22 - SB Leucadia On-ramp,2,
N,902760,599661,46.8,L22.1
N,902741,599727,47.5,L22.2
N,902721,599804,48,L22.3
N,902693,599891,48.1,L22.4
N,902667,599966,49.7,L22.5

N,902644,600031,51.3,L22.6
N,902614,600105,53.7,L22.7
L24 - SB Leucadia Off-ramp,3,
N,902607,600143,53.9,L24.1
N,902603,600189,52.2,L24.2
N,902596,600248,48.3,L24.3
N,902589,600306,44.7,L24.4
N,902582,600347,43.3,L24.5
N,902570,600426,42.4,L24.6
N,902563,600466,42,L24.7
N,902546,600540,41.3,L24.8
L23 - NB Leucadia On-ramp,4,
N,902728,600187,53,L23.1
N,902714,600184,52.8,L23.2
N,902700,600191,52,L23.3
N,902694,600209,51.2,L23.4
N,902682,600268,46.9,L23.5
N,902676,600290,45,L23.6
N,902664,600326,43.9,L23.7
N,902646,600383,43,L23.8
N,902630,600441,42.4,L23.9
N,902615,600500,41.7,L23.10
N,902600,600549,41.3,L23.11
L4 - SB General Lanes - Outer,5,
N,902742,599738,47.8,L4.1
N,902724,599817,48.3,L4.2
N,902697,599932,48.3,L4.3
N,902668,600051,47.3,L4.4
N,902637,600175,45.7,L4.5
N,902609,600291,44.3,L4.6
N,902578,600418,42.7,L4.7
N,902546,600540,41.3,L4.8
N,902518,600655,39.8,L4.9
N,902489,600777,38.3,L4.10
N,902459,600901,36.8,L4.11
N,902432,601010,35.5,L4.12
N,902408,601107,33.3,L4.13
N,902385,601199,31.3,L4.14
N,902364,601289,29.3,L4.15
L14 - SB General Lanes - Inner,6,
N,902749,599740,47.8,L14.1
N,902731,599819,48.3,L14.2
N,902703,599935,48.3,L14.3
N,902674,600053,47.3,L14.4
N,902644,600177,45.7,L14.5
N,902615,600293,44.3,L14.6
N,902584,600420,42.7,L14.7
N,902556,600542,41.3,L14.8
N,902527,600657,39.8,L14.9
N,902497,600779,38.3,L14.10
N,902467,600902,36.8,L14.11
N,902440,601012,35.5,L14.12
N,902417,601109,33.3,L14.13
N,902394,601202,31.3,L14.14
N,902372,601291,29.3,L14.15
L54 - SB HOV Lanes,7,

N,902759,599742,48,L54.1
N,902740,599823,48.5,L54.2
N,902712,599939,48.5,L54.3
N,902684,600056,47.5,L54.4
N,902653,600179,46,L54.5
N,902625,600294,44.5,L54.6
N,902594,600423,43,L54.7
N,902564,600544,41.5,L54.8
N,902537,600659,40,L54.9
N,902507,600781,38.5,L54.10
N,902477,600904,37,L54.11
N,902449,601015,35.5,L54.12
N,902427,601113,33.5,L54.13
N,902404,601205,31.5,L54.14
N,902382,601293,29.5,L54.15
L53 - NB HOV Lanes,8,
N,902774,599752,48,L53.1
N,902755,599832,48.5,L53.2
N,902727,599945,48.5,L53.3
N,902700,600058,47.5,L53.4
N,902670,600182,46,L53.5
N,902641,600298,44.5,L53.6
N,902611,600423,43,L53.7
N,902582,600543,41.5,L53.8
N,902553,600663,40,L53.9
N,902524,600786,38.5,L53.10
N,902494,600909,37,L53.11
N,902467,601016,35.5,L53.12
N,902442,601116,33.5,L53.13
N,902420,601207,31.5,L53.14
N,902398,601296,29.5,L53.15
L13 - NB General Lanes - Inner,9,
N,902784,599756,47.8,L13.1
N,902764,599835,48.3,L13.2
N,902737,599948,48.3,L13.3
N,902710,600061,47.3,L13.4
N,902681,600184,45.7,L13.5
N,902651,600301,44.3,L13.6
N,902621,600426,42.7,L13.7
N,902591,600546,41.3,L13.8
N,902563,600665,39.8,L13.9
N,902533,600787,38.3,L13.10
N,902502,600911,36.8,L13.11
N,902475,601018,35.5,L13.12
N,902452,601118,33.3,L13.13
N,902430,601209,31.3,L13.14
N,902408,601298,29.3,L13.15
L3 - NB General Lanes - Outer,10,
N,902790,599758,47.8,L3.1
N,902771,599836,48.3,L3.2
N,902743,599949,48.3,L3.3
N,902716,600063,47.3,L3.4
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N,902600,600549,41.3,L3.8

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N,902510,600914,36.8,L3.11
N,902485,601022,35.5,L3.12
N,902460,601120,33.3,L3.13
N,902439,601212,31.3,L3.14
N,902417,601300,29.3,L3.15
L6 - SB General Lanes - Outer,11,
N,902364,601289,29.3,L6.1
N,902338,601398,26.8,L6.2
N,902316,601489,24.8,L6.3
N,902289,601596,22.3,L6.4
N,902265,601707,19.8,L6.5
N,902237,601818,17.3,L6.6
N,902211,601928,14.8,L6.7
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N,902162,602122,10.3,L6.9
N,902134,602205,8.3,L6.10
N,902100,602285,6.2,L6.11
N,902061,602363,4.8,L6.12
N,902011,602457,4.2,L6.13
N,901955,602562,4.5,L6.14
N,901898,602668,4.8,L6.15
L16 - SB General Lanes - Inner,12,
N,902372,601291,29.3,L16.1
N,902346,601400,26.8,L16.2
N,902323,601491,24.8,L16.3
N,902298,601599,22.3,L16.4
N,902272,601709,19.8,L16.5
N,902245,601821,17.3,L16.6
N,902218,601930,14.8,L16.7
N,902192,602036,12.3,L16.8
N,902169,602124,10.3,L16.9
N,902140,602209,8.3,L16.10
N,902109,602290,6.2,L16.11
N,902069,602367,4.8,L16.12
N,902019,602462,4.2,L16.13
N,901962,602567,4.5,L16.14
N,901906,602672,4.8,L16.15
L56 - SB HOV Lanes,13,
N,902382,601293,29.5,L56.1
N,902355,601405,27,L56.2
N,902333,601494,25,L56.3
N,902308,601602,22.5,L56.4
N,902282,601713,20,L56.5
N,902255,601824,17.5,L56.6
N,902228,601932,15,L56.7
N,902201,602039,12.5,L56.8
N,902180,602127,10.5,L56.9
N,902151,602213,8.5,L56.10
N,902117,602294,6.5,L56.11
N,902077,602372,5,L56.12
N,902028,602467,4.3,L56.13
N,901971,602571,4.7,L56.14
N,901915,602676,4.9,L56.15
L55 - NB HOV Lanes,14,

N,902398,601296,29.5,L55.1
N,902373,601403,27,L55.2
N,902351,601494,25,L55.3
N,902324,601604,22.5,L55.4
N,902299,601714,20,L55.5
N,902270,601826,17.5,L55.6
N,902245,601933,15,L55.7
N,902219,602044,12.5,L55.8
N,902195,602133,10.5,L55.9
N,902164,602226,8.5,L55.10
N,902130,602306,6.5,L55.11
N,902092,602382,5,L55.12
N,902041,602474,4.3,L55.13
N,901986,602580,4.7,L55.14
N,901929,602686,4.9,L55.15
L15 - NB General Lanes - Inner,15,
N,902408,601298,29.3,L15.1
N,902382,601406,26.8,L15.2
N,902359,601496,24.8,L15.3
N,902333,601606,22.3,L15.4
N,902309,601716,19.8,L15.5
N,902280,601828,17.3,L15.6
N,902254,601933,14.8,L15.7
N,902227,602045,12.4,L15.8
N,902204,602137,10.7,L15.9
N,902173,602231,8.7,L15.10
N,902138,602311,6.7,L15.11
N,902100,602387,5.1,L15.12
N,902051,602480,4.2,L15.13
N,901993,602585,4.5,L15.14
N,901937,602691,4.8,L15.15
L5 - NB General Lanes - Outer,16,
N,902417,601300,29.3,L5.1
N,902390,601408,26.8,L5.2
N,902369,601498,24.8,L5.3
N,902342,601609,22.3,L5.4
N,902316,601718,19.8,L5.5
N,902289,601831,17.3,L5.6
N,902264,601936,14.8,L5.7
N,902236,602048,12.4,L5.8
N,902212,602141,10.7,L5.9
N,902181,602234,8.7,L5.10
N,902146,602314,6.7,L5.11
N,902108,602391,5.1,L5.12
N,902057,602485,4.2,L5.13
N,902000,602590,4.5,L5.14
N,901944,602696,4.8,L5.15
L26 - SB La Costa On-Ramp,17,
N,902265,601707,19.8,L26.1
N,902229,601825,16.9,L26.2
N,902209,601901,15,L26.3
N,902192,601960,13.6,L26.4
N,902163,602033,11.8,L26.5
N,902145,602070,12.3,L26.6
N,902097,602161,17.4,L26.7
N,902072,602211,19.2,L26.8

L25 - NB La Costa Off-Ramp,18,
N,902289,601831,17.3,L25.1
N,902274,601917,15,L25.2
N,902265,601977,13.5,L25.3
N,902256,602036,12.3,L25.4
N,902253,602077,12,L25.5
N,902247,602116,12.8,L25.6
N,902234,602194,15,L25.7
N,902223,602241,15.5,L25.8
L27 - NB La Costa On-Ramp,19,
N,902201,602284,13.5,L27.1
N,902153,602352,7.3,L27.2
N,902120,602403,4.6,L27.3
N,902089,602453,3.8,L27.4
N,902045,602522,3.8,L27.5
N,902017,602574,4,L27.6
N,901986,602628,4.4,L27.7
N,901944,602696,4.8,L27.8
L28 - SB La Costa Off-Ramp,20,
N,902054,602260,18,L28.1
N,902029,602335,13.6,L28.2
N,902002,602411,9,L28.3
N,901966,602504,4.5,L28.4
N,901950,602541,3.9,L28.5
N,901919,602614,4.2,L28.6
N,901898,602668,4.8,L28.7
B5 - SB Shld ,1,2,0,0
902701,599835,50,50,B5.3
902679,599915,52,52,B5.4
902659,599968,53.2,53.2,B5.5
902642,600015,52,52,B5.6
902642,600015,52,52,B5.6
902593,600110,54.2,54.2,B5.8
902644,600112,54,54,B5.9
902637,600140,54,54,B5.10
B21 - Nat Bar Leucadia Bridge,2,2,0,0
902637,600140,54,54,B21.1
902589,600139,54,54,B21.2
902585,600166,55.5,55.5,B21.3
902583,600215,55,55,B21.4
B2 - SB Shoulder ST 697 to 703,3,2,0,0
902599,600189,52.2,52.2,B2.1
902592,600247,48.3,48.3,B2.2
902585,600307,44.7,44.7,B2.3
902578,600347,43.3,43.3,B2.4
902566,600426,42.4,42.4,B2.5
902558,600464,42,42,B2.6
902541,600537,41.3,41.3,B2.7
902525,600594,40.5,40.5,B2.8
902512,600652,39.8,39.8,B2.9
902497,600714,39,39,B2.10
B57 - Center Divider,4,2,0,0
902747,599830,48.5,49.5,B57.7
902720,599944,48.5,49.5,B57.8
902692,600057,47.5,48.5,B57.9
902662,600181,46,47,B57.10

B58 - Center Divider,5,2,0,0
902662,600181,46,47,B58.1
902633,600297,44.5,45.5,B58.2
902603,600422,43,44,B58.3
902573,600543,41.5,42.5,B58.4
902545,600661,40,41,B58.5
902515,600783,38.5,39.5,B58.6
902485,600907,37,38,B58.7
902458,601015,35.5,36.5,B58.8
902435,601114,33.5,34.5,B58.9
902411,601206,31.5,32.5,B58.10
B3 - SB ROW to Shoulder ST 703 to 708,6,2,0,0
902497,600714,39,39,B3.1
902475,600762,40,40,B3.2
902467,600795,40,40,B3.3
902462,600828,38,38,B3.4
902459,600856,35.5,35.5,B3.5
902454,600885,37,37,B3.6
902440,600948,36.1,36.1,B3.7
902424,601009,35.3,35.3,B3.8
902401,601106,33.3,33.3,B3.9
902378,601199,31.3,31.3,B3.10
B4 - SB Shoulder ST 708 to 715,7,2,0,0
902378,601199,31.3,31.3,B4.1
902357,601287,29.3,29.3,B4.2
902343,601344,28.1,28.1,B4.3
902330,601397,26.8,26.8,B4.4
902308,601486,24.8,24.8,B4.5
902293,601548,23.5,23.5,B4.6
902277,601612,22.3,22.3,B4.7
902257,601706,19.8,19.8,B4.8
902242,601761,16.9,16.9,B4.9
902227,601816,15,15,B4.10
B45 - SB Shoulder of La Costa On-Ramp,8,2,0,0
902227,601816,16.9,16.9,B45.1
902205,601900,15,15,B45.2
902188,601957,13.6,13.6,B45.3
902173,601995,12.7,12.7,B45.4
902158,602032,11.8,11.8,B45.5
B6 - 10 to 12' Prop Wall SB Side ST 713 to 716,9,2,0,0
902253,601662,17.5,20.5,B6.1
902219,601715,41.2,44.2,B6.2
902192,601822,13,16,B6.3
902195,601865,12.6,15.6,B6.4
902195,601865,12.6,16.6,B6.4
902186,601903,13,17,B6.5
902169,601941,14.2,18.2,B6.6
902160,601960,11.5,15.5,B6.7
B7 - SB Nat Bar La Cost Bridge,10,2,0,0
902175,602044,12,12,B7.1
902146,602108,16,16,B7.2
902114,602169,18,18,B7.3
902090,602217,19.2,19.2,B7.4
902115,602227,17.3,17.3,B7.5
902102,602258,16.8,16.8,B7.6
902067,602258,18.3,18.3,B7.7

902035,602255,20,20,B7.8
902011,602320,20,20,B7.9
901981,602348,19,19,B7.10
B14 - SB Nat Bar R13.1 to 13.2,11,2,0,0
901981,602348,19,19,B14.1
901930,602402,20.5,20.5,B14.2
B15 - Nat Bar La Costa SB Off-ramp,12,2,0,0
902067,602258,18,18,B15.1
902039,602337,13.6,13.6,B15.2
902013,602414,9,9,B15.3
B59 - Center Divider,13,2,0,0
902411,601206,31.5,32.5,B59.1
902390,601296,29.5,30.5,B59.2
902364,601404,27,28,B59.3
902341,601495,25,26,B59.4
902316,601603,22.5,23.5,B59.5
902289,601716,20,21,B59.6
902262,601825,17.5,18.5,B59.7
902236,601933,15,16,B59.8
902211,602041,12.5,13.5,B59.9
902187,602129,10.5,11.5,B59.10
B60 - Center Divider,14,2,0,0
902187,602129,10.5,11.5,B60.1
902157,602218,8.5,9.5,B60.2
902124,602301,6.5,7.5,B60.3
902085,602378,5,6,B60.4
902034,602471,4.3,5.3,B60.5
901978,602576,4.7,5.7,B60.6
901922,602682,4.9,5.9,B60.7
B90 - 5.5' Property Wall at R12.28,15,2,0,0
902103,602058,30,31.7,B90.1
902093,602094,31,32.7,B90.2
902085,602113,30.2,31.9,B90.3
902063,602115,30,31.7,B90.4
B23 - Nat Barrier SB Side ST 698 to 700,16,2,0,0
902583,600215,55,55,B23.1
902547,600214,55,55,B23.2
902543,600251,54,54,B23.3
902549,600317,50,50,B23.4
902540,600395,48,48,B23.5
902515,600434,50,50,B23.6
902498,600464,54,54,B23.7
B25 - Nat Barrier SB Side ST 703 to 706,17,2,0,0
902475,600762,40,40,B25.1
902440,600833,43.5,43.5,B25.2
902388,600911,46.5,46.5,B25.3
902406,600976,42,42,B25.4
902403,601057,30,30,B25.5
R,1,67,4
902519,600172,56,R12.1
R,2,67,4
902522,600289,53.8,R12.2
R,3,67,4
902490,600399,56.7,R12.3
R,4,67,4
902508,600491,47.7,R12.4

R,5,67,4
902511,600545,46,R12.5
R,6,67,4
902443,600710,47.9,R12.6
R,7,67,4
902440,600776,46.3,R12.7
R,8,67,4
902394,600812,57.8,R12.8
R,9,67,4
902395,600873,49.3,R12.9
R,10,67,4
902342,600917,51.4,R12.10
R,11,67,4
902357,600957,44.1,R12.11
R,12,67,4
902388,601050,35.2,R12.12
R,13,67,4
902286,601077,52.2,R12.13
R,14,67,4
902344,601141,34.8,R12.14
R,15,67,4
902287,601169,45.3,R12.15
R,16,67,4
902317,601246,32.2,R12.16
R,17,67,4
902284,601367,27.2,R12.17
R,18,67,4
902242,601367,39.5,R12.18
R,19,67,4
902256,601460,31,R12.19
R,20,67,4
902197,601485,47.5,R12.20
R,21,67,4
902210,601539,45.7,R12.21
R,22,67,4
902221,601668,16.8,R12.22
R,23,67,4
902175,601785,15.5,R12.23
R,24,67,4
902155,601855,14.8,R12.24
R,25,67,4
902184,601883,13.7,R12.25/S12.6
R,26,67,4
902156,601944,14.1,R12.26
R,27,67,4
902136,601931,14.7,R12.26A
R,28,67,4
902091,602010,46.4,R12.27
R,29,67,4
902086,602099,31.6,R12.28
R,30,67,4
902078,602159,25.3,R12.29
R,31,67,4
902006,602197,23.9,R12.30
D,4.5
ALL,1

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SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
12 - LEUCADIA TO LA COSTA WEST SIDE - FUTURE NO-BUILD

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	-	0.*							B5.3	272.3	
2	-	0.*							B5.4	185.9	
3	-	0.*							B5.5	163.9	
4	-	0.*							B5.6	.0	
5	-	0.*							B5.6	350.8	
6	-	0.*							B5.8	167.4	
7	-	0.*							B5.9	94.7	
8	-	0.*							B21.1	157.5	
9	-	0.*							B21.2	89.7	
10	-	0.*							B21.3	160.8	
11	-	0.*							B2.1	192.1	
12	-	0.*							B2.2	198.6	
13	-	0.*							B2.3	133.3	
14	-	0.*							B2.4	262.2	
15	-	0.*							B2.5	127.3	
16	-	0.*							B2.6	245.9	
17	-	0.*							B2.7	194.3	
18	-	0.*							B2.8	194.9	
19	-	0.*							B2.9	209.4	
20	-	3.*							B57.7	384.4	
21	-	3.*							B57.8	381.9	
22	-	3.*							B57.9	418.7	
23	-	3.*							B58.1	392.2	
24	-	3.*							B58.2	421.9	
25	-	3.*							B58.3	408.9	
26	-	3.*							B58.4	398.0	
27	-	3.*							B58.5	412.1	
28	-	3.*							B58.6	418.7	
29	-	3.*							B58.7	365.2	
30	-	3.*							B58.8	333.5	
31	-	3.*							B58.9	312.0	
32	-	0.*							B3.1	173.2	
33	-	0.*							B3.2	111.4	
34	-	0.*							B3.3	109.7	
35	-	0.*							B3.4	92.7	
36	-	0.*							B3.5	96.7	
37	-	0.*							B3.6	211.8	
38	-	0.*							B3.7	206.9	

39	- 0.*	B3.8	327.1
40	- 0.*	B3.9	314.5
41	- 0.*	B4.1	296.9
42	- 0.*	B4.2	192.6
43	- 0.*	B4.3	179.1
44	- 0.*	B4.4	300.9
45	- 0.*	B4.5	209.3
46	- 0.*	B4.6	216.5
47	- 0.*	B4.7	315.3
48	- 0.*	B4.8	187.4
49	- 0.*	B4.9	187.1
50	- 0.*	B45.1	284.9
51	- 0.*	B45.2	195.2
52	- 0.*	B45.3	134.1
53	- 0.*	B45.4	131.0
54	- 10.*	B6.1	220.7
55	- 10.*	B6.2	373.6
56	- 10.*	B6.3	141.4
57	- 12.*	B6.4	3.3
58	- 13.*	B6.4	128.1
59	- 13.*	B6.5	136.6
60	- 13.*	B6.6	69.6
61	- 0.*	B7.1	230.8
62	- 0.*	B7.2	226.2
63	- 0.*	B7.3	176.1
64	- 0.*	B7.4	88.5
65	- 0.*	B7.5	110.3
66	- 0.*	B7.6	114.9
67	- 0.*	B7.7	105.6
68	- 0.*	B7.8	227.4
69	- 0.*	B7.9	134.7
70	- 0.*	B14.1	243.8
71	- 0.*	B15.1	275.4
72	- 0.*	B15.2	267.0
73	- 3.*	B59.1	303.3
74	- 3.*	B59.2	364.5
75	- 3.*	B59.3	308.0
76	- 3.*	B59.4	363.8
77	- 3.*	B59.5	381.3
78	- 3.*	B59.6	368.5
79	- 3.*	B59.7	364.5
80	- 3.*	B59.8	363.8
81	- 3.*	B59.9	299.3
82	- 3.*	B60.1	308.2
83	- 3.*	B60.2	293.1
84	- 3.*	B60.3	283.3
85	- 3.*	B60.4	348.0
86	- 3.*	B60.5	390.4

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87    -  3.*                        B60.6     393.2

88    -  6.*                        B90.1     122.6
89    -  6.*                        B90.2      67.7
90    -  6.*                        B90.3      72.5

91    -  0.*                        B23.1     118.1
92    -  0.*                        B23.2     122.1
93    -  0.*                        B23.3     217.9
94    -  0.*                        B23.4     257.7
95    -  0.*                        B23.5     152.1
96    -  0.*                        B23.6     113.9

97    -  0.*                        B25.1     260.0
98    -  0.*                        B25.2     307.7
99    -  0.*                        B25.3     221.7
**    -  0.*                       B25.4     268.9
-------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
------------------------------
 1  REC 1     67.    500.   66.0
 2  REC 2     67.    500.   70.5
 3  REC 3     67.    500.   70.5
 4  REC 4     67.    500.   73.5
 5  R12.5     67.    500.   75.1
 6  R12.6     67.    500.   72.4
 7  R12.7     67.    500.   73.3
 8  R12.8     67.    500.   70.6
 9  R12.9     67.    500.   71.8
10  R12.10    67.    500.   69.1
11  R12.11    67.    500.   68.9
12  R12.12    67.    500.   74.1
13  R12.13    67.    500.   68.3
14  R12.14    67.    500.   72.5
15  R12.15    67.    500.   69.5
16  R12.16    67.    500.   72.1
17  R12.17    67.    500.   71.0
18  R12.18    67.    500.   69.5
19  R12.19    67.    500.   72.0
20  R12.20    67.    500.   68.4
21  R12.21    67.    500.   74.6
22  R12.22    67.    500.   68.0
23  R12.23    67.    500.   65.5
24  R12.24    67.    500.   69.7
25  R12.25/S  67.    500.   66.3
26  R12.26    67.    500.   67.5
27  R12.26A   67.    500.   69.1
28  R12.27    67.    500.   70.0
29  R12.28    67.    500.   65.3
30  R12.29    67.    500.   72.1
31  R12.30    67.    500.   65.9
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
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1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3.
3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
0. 0. 0.10.10.10.12.13.13.13. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 3. 3.
3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 6. 6. 6. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.

12 - Leucadia to La Costa WEST Side - Build,BLD,Ft,
T-L21 - NB Leucadia Off-ramp,1
950,45,24,45,26,45
T-L22 - SB Leucadia On-ramp,2
950,45,24,45,26,45
T-L24 - SB Leucadia Off-ramp,3
950,45,24,45,26,45
T-L23 - NB Leucadia On-ramp,4
950,45,24,45,26,45
T-L4 - SB General Lanes - Outer,5
3052,65,122,65,426,65
T-L14 - SB General Lanes - Inner,6
5217,65,183,65,0,65
T-L54 - SB HOV Lanes,7
3000,65,0,65,0,65
T-L53 - NB HOV Lanes,8
3000,65,0,65,0,65,
T-L13 - NB General Lanes - Inner,9,
5217,65,183,65,0,65,
T-L3 - NB General Lanes - Outer,10,
3052,65,122,65,426,65,
T-L6 - SB General Lanes - Outer,11,
3052,65,122,65,426,65,
T-L16 - SB General Lanes - Inner,12,
5217,65,183,65,0,65,
T-L56 - SB HOV Lanes,13,
3000,65,0,65,0,65,
T-L55 - NB HOV Lanes,14,
3000,65,0,65,0,65,
T-L15 - NB General Lanes - Inner,15,
5217,65,183,65,0,65,
T-L5 - NB General Lanes - Outer,16,
3052,65,122,65,426,65
T-L26 - SB La Costa On-Ramp,17
950,45,24,45,26,45
T-L25 - NB La Costa Off-Ramp,18
950,45,24,45,26,45
T-L27 - NB La Costa On-Ramp,19
950,45,24,45,26,45
T-L28 - SB La Costa Off-Ramp,20
950,45,24,45,26,45
L21 - NB Leucadia Off-ramp,1
N,902813,599676,46.8,L21.1,
N,902805,599723,47.1,L21.2,
N,902794,599780,47.8,L21.3,
N,902786,599823,48,L21.4,
N,902777,599883,48.1,L21.5,
N,902765,599963,49.6,L21.6,
N,902760,600002,50.7,L21.7
N,902764,600062,51.8,L21.8
N,902766,600120,53.9,L21.9
L22 - SB Leucadia On-ramp,2,
N,902783,599567,45.8,L22.1
N,902769,599610,46.1,L22.2
N,902754,599668,46.9,L22.3
N,902738,599726,47.2,L22.4

N,902717,599801,47.8,L22.5
N,902706,599841,47.9,L22.6
N,902685,599898,47.7,L22.7
N,902663,599953,48.1,L22.8
N,902641,600011,50.1,L22.9
N,902629,600047,52,L22.10
N,902613,600106,53.9,L22.11
L24 - SB Leucadia Off-ramp,3,
N,902606,600148,53.7,L24.1
N,902600,600207,50.8,L24.2
N,902589,600267,46.8,L24.3
N,902582,600326,44,L24.4
N,902570,600385,42.5,L24.5
N,902563,600445,41.9,L24.6
N,902554,600504,41.6,L24.7
N,902546,600540,41.3,L24.8
L23 - NB Leucadia On-ramp,4,
N,902763,600132,53.5,L23.1
N,902756,600149,53.2,L23.2
N,902745,600168,52.6,L23.3
N,902710,600215,49.4,L23.4
N,902694,600251,46.8,L23.5
N,902676,600308,44.1,L23.6
N,902656,600366,43,L23.7
N,902639,600421,42.4,L23.8
N,902619,600499,41.5,L23.9
N,902603,600558,41.3,L23.10
N,902571,600668,39.8,L23.11
L4 - SB General Lanes - Outer,5,
N,902742,599738,47.8,L4.1
N,902724,599817,48.3,L4.2
N,902697,599932,48.3,L4.3
N,902668,600051,47.3,L4.4
N,902637,600175,45.7,L4.5
N,902609,600291,44.3,L4.6
N,902578,600418,42.7,L4.7
N,902546,600540,41.3,L4.8
N,902518,600655,39.8,L4.9
N,902489,600777,38.3,L4.10
N,902459,600901,36.8,L4.11
N,902432,601010,35.5,L4.12
N,902408,601107,33.3,L4.13
N,902385,601199,31.3,L4.14
N,902364,601289,29.3,L4.15
L14 - SB General Lanes - Inner,6,
N,902749,599740,47.8,L14.1
N,902731,599819,48.3,L14.2
N,902703,599935,48.3,L14.3
N,902674,600053,47.3,L14.4
N,902644,600177,45.7,L14.5
N,902615,600293,44.3,L14.6
N,902584,600420,42.7,L14.7
N,902556,600542,41.3,L14.8
N,902527,600657,39.8,L14.9
N,902497,600779,38.3,L14.10
N,902467,600902,36.8,L14.11

N,902440,601012,35.5,L14.12
N,902417,601109,33.3,L14.13
N,902394,601202,31.3,L14.14
N,902372,601291,29.3,L14.15
L54 - SB HOV Lanes,7,
N,902759,599742,48,L54.1
N,902740,599823,48.5,L54.2
N,902712,599939,48.5,L54.3
N,902684,600056,47.5,L54.4
N,902653,600179,46,L54.5
N,902625,600294,44.5,L54.6
N,902594,600423,43,L54.7
N,902564,600544,41.5,L54.8
N,902537,600659,40,L54.9
N,902507,600781,38.5,L54.10
N,902477,600904,37,L54.11
N,902449,601015,35.5,L54.12
N,902427,601113,33.5,L54.13
N,902404,601205,31.5,L54.14
N,902382,601293,29.5,L54.15
L53 - NB HOV Lanes,8,
N,902774,599752,48,L53.1
N,902755,599832,48.5,L53.2
N,902727,599945,48.5,L53.3
N,902700,600058,47.5,L53.4
N,902670,600182,46,L53.5
N,902641,600298,44.5,L53.6
N,902611,600423,43,L53.7
N,902582,600543,41.5,L53.8
N,902553,600663,40,L53.9
N,902524,600786,38.5,L53.10
N,902494,600909,37,L53.11
N,902467,601016,35.5,L53.12
N,902442,601116,33.5,L53.13
N,902420,601207,31.5,L53.14
N,902398,601296,29.5,L53.15
L13 - NB General Lanes - Inner,9,
N,902784,599756,47.8,L13.1
N,902764,599835,48.3,L13.2
N,902737,599948,48.3,L13.3
N,902710,600061,47.3,L13.4
N,902681,600184,45.7,L13.5
N,902651,600301,44.3,L13.6
N,902621,600426,42.7,L13.7
N,902591,600546,41.3,L13.8
N,902563,600665,39.8,L13.9
N,902533,600787,38.3,L13.10
N,902502,600911,36.8,L13.11
N,902475,601018,35.5,L13.12
N,902452,601118,33.3,L13.13
N,902430,601209,31.3,L13.14
N,902408,601298,29.3,L13.15
L3 - NB General Lanes - Outer,10,
N,902790,599758,47.8,L3.1
N,902771,599836,48.3,L3.2
N,902743,599949,48.3,L3.3

N,902716,600063,47.3,L3.4
N,902687,600185,45.7,L3.5
N,902657,600303,44.3,L3.6
N,902628,600429,42.7,L3.7
N,902600,600549,41.3,L3.8
N,902571,600668,39.8,L3.9
N,902542,600790,38.3,L3.10
N,902510,600914,36.8,L3.11
N,902485,601022,35.5,L3.12
N,902460,601120,33.3,L3.13
N,902439,601212,31.3,L3.14
N,902417,601300,29.3,L3.15
L6 - SB General Lanes - Outer,11,
N,902364,601289,29.3,L6.1
N,902338,601398,26.8,L6.2
N,902316,601489,24.8,L6.3
N,902289,601596,22.3,L6.4
N,902265,601707,19.8,L6.5
N,902237,601818,17.3,L6.6
N,902211,601928,14.8,L6.7
N,902183,602034,12.3,L6.8
N,902162,602122,10.3,L6.9
N,902134,602205,8.3,L6.10
N,902100,602285,6.2,L6.11
N,902061,602363,4.8,L6.12
N,902011,602457,4.2,L6.13
N,901955,602562,4.5,L6.14
N,901898,602668,4.8,L6.15
L16 - SB General Lanes - Inner,12,
N,902372,601291,29.3,L16.1
N,902346,601400,26.8,L16.2
N,902323,601491,24.8,L16.3
N,902298,601599,22.3,L16.4
N,902272,601709,19.8,L16.5
N,902245,601821,17.3,L16.6
N,902218,601930,14.8,L16.7
N,902192,602036,12.3,L16.8
N,902169,602124,10.3,L16.9
N,902140,602209,8.3,L16.10
N,902109,602290,6.2,L16.11
N,902069,602367,4.8,L16.12
N,902019,602462,4.2,L16.13
N,901962,602567,4.5,L16.14
N,901906,602672,4.8,L16.15
L56 - SB HOV Lanes,13,
N,902382,601293,29.5,L56.1
N,902355,601405,27,L56.2
N,902333,601494,25,L56.3
N,902308,601602,22.5,L56.4
N,902282,601713,20,L56.5
N,902255,601824,17.5,L56.6
N,902228,601932,15,L56.7
N,902201,602039,12.5,L56.8
N,902180,602127,10.5,L56.9
N,902151,602213,8.5,L56.10
N,902117,602294,6.5,L56.11

N,902077,602372,5,L56.12
N,902028,602467,4.3,L56.13
N,901971,602571,4.7,L56.14
N,901915,602676,4.9,L56.15
L55 - NB HOV Lanes,14,
N,902398,601296,29.5,L55.1
N,902373,601403,27,L55.2
N,902351,601494,25,L55.3
N,902324,601604,22.5,L55.4
N,902299,601714,20,L55.5
N,902270,601826,17.5,L55.6
N,902245,601933,15,L55.7
N,902219,602044,12.5,L55.8
N,902195,602133,10.5,L55.9
N,902164,602226,8.5,L55.10
N,902130,602306,6.5,L55.11
N,902092,602382,5,L55.12
N,902041,602474,4.3,L55.13
N,901986,602580,4.7,L55.14
N,901929,602686,4.9,L55.15
L15 - NB General Lanes - Inner,15,
N,902408,601298,29.3,L15.1
N,902382,601406,26.8,L15.2
N,902359,601496,24.8,L15.3
N,902333,601606,22.3,L15.4
N,902309,601716,19.8,L15.5
N,902280,601828,17.3,L15.6
N,902254,601933,14.8,L15.7
N,902227,602045,12.4,L15.8
N,902204,602137,10.7,L15.9
N,902173,602231,8.7,L15.10
N,902138,602311,6.7,L15.11
N,902100,602387,5.1,L15.12
N,902051,602480,4.2,L15.13
N,901993,602585,4.5,L15.14
N,901937,602691,4.8,L15.15
L5 - NB General Lanes - Outer,16,
N,902417,601300,29.3,L5.1
N,902390,601408,26.8,L5.2
N,902369,601498,24.8,L5.3
N,902342,601609,22.3,L5.4
N,902316,601718,19.8,L5.5
N,902289,601831,17.3,L5.6
N,902264,601936,14.8,L5.7
N,902236,602048,12.4,L5.8
N,902212,602141,10.7,L5.9
N,902181,602234,8.7,L5.10
N,902146,602314,6.7,L5.11
N,902108,602391,5.1,L5.12
N,902057,602485,4.2,L5.13
N,902000,602590,4.5,L5.14
N,901944,602696,4.8,L5.15
L26 - SB La Costa On-Ramp,17,
N,902265,601707,19.8,L26.1
N,902229,601825,16.9,L26.2
N,902209,601901,15,L26.3

N,902192,601960,13.6,L26.4
N,902163,602033,12.5,L26.5
N,902145,602070,13,L26.6
N,902097,602161,17.4,L26.7
N,902072,602211,19.2,L26.8
L25 - NB La Costa Off-Ramp,18,
N,902289,601831,17.3,L25.1
N,902274,601917,15,L25.2
N,902265,601977,13.5,L25.3
N,902256,602036,12.3,L25.4
N,902253,602077,12,L25.5
N,902247,602116,12.8,L25.6
N,902234,602194,15,L25.7
N,902223,602241,15.5,L25.8
L27 - NB La Costa On-Ramp,19,
N,902201,602284,13.5,L27.1
N,902153,602352,7.3,L27.2
N,902120,602403,4.6,L27.3
N,902089,602453,3.8,L27.4
N,902045,602522,3.8,L27.5
N,902017,602574,4,L27.6
N,901986,602628,4.4,L27.7
N,901944,602696,4.8,L27.8
L28 - SB La Costa Off-Ramp,20,
N,902054,602260,18,L28.1
N,902029,602335,13.6,L28.2
N,902002,602411,9,L28.3
N,901966,602504,4.5,L28.4
N,901950,602541,3.9,L28.5
N,901919,602614,4.2,L28.6
N,901898,602668,4.8,L28.7
B21 - Nat Bar Leucadia Bridge,2,2,0,0
902637,600140,54,54,B21.1
902589,600139,54,54,B21.2
902585,600166,55.5,55.5,B21.3
902583,600215,55,55,B21.4
B102 SB Leucadia off-ramp,3,2,0,0
902599,600150,53.7,53.7,B102.1
902591,600207,50.8,50.8,B102.2
902586,600236,48,48,B102.3
902585,600273,46.5,46.5,B102.4,
902577,600325,44,44,B102.5,
902567,600384,42.5,42.5,B102.6,
902558,600444,41.9,41.9,B102.7,
902552,600486,41.7,41.7,B102.8,
902541,600537,41.3,41.3,B102.9,
B2 - SB Shoulder ST 697 to 703,4,2,0,0,
902541,600537,41.3,41.3,B2.7,
902519,600623,40.2,40.2,B2.8A,
902512,600652,39.8,39.8,B2.9,
902497,600714,39,39.0,B2.10,
B57 - Center Divider,5,2,0,0,
902747,599830,48.5,49.5,B57.7,
902720,599944,48.5,49.5,B57.8,
902692,600057,47.5,48.5,B57.9,
902662,600181,46,47,B57.10,

B58 - Center Divider,6,2,0,0,
902662,600181,46,47,B58.1,
902633,600297,44.5,45.5,B58.2,
902603,600422,43,44,B58.3,
902573,600543,41.5,42.5,B58.4,
902545,600661,40,41,B58.5,
902515,600783,38.5,39.5,B58.6,
902485,600907,37,38,B58.7,
902458,601015,35.5,36.5,B58.8,
902435,601114,33.5,34.5,B58.9,
902411,601206,31.5,32.5,B58.10,
B3 - SB ROW to Shoulder ST 703 to 708,7,2,0,0,
902497,600714,39,39.0,B3.1,
902475,600762,40,40.0,B3.2,
902467,600795,40,40.0,B3.3,
902462,600828,38,38.0,B3.4,
902459,600856,35.5,35.5,B3.5
902454,600885,37,37.0,B3.6
902440,600948,36.1,36.1,B3.7
902424,601009,35.3,35.3,B3.8
902401,601106,33.3,33.3,B3.9
902378,601199,31.3,31.3,B3.10
B4 - SB Shoulder ST 708 to 715,8,2,0,0
902378,601199,31.3,31.3,B4.1
902357,601287,29.3,29.3,B4.2
902343,601344,28.1,28.1,B4.3
902330,601397,26.8,26.8,B4.4
902308,601486,24.8,24.8,B4.5
902293,601548,23.5,23.5,B4.6
902277,601612,22.3,22.3,B4.7
902257,601706,19.8,19.8,B4.8
902242,601761,18.1,18.1,B4.9
902227,601816,16.9,16.9,B4.10,
B45 - SB Shoulder of La Costa On-Ramp,9,2,0,0,
902227,601816,16.9,16.9,B45.1,
902205,601900,15,15.0,B45.2,
902188,601957,13.6,13.6,B45.3,
902173,601995,12.6,12.6,B45.4,
902158,602032,12.4,12.4,B45.5,
902148,602049,12.6,12.6,B45.6,
B6 - 10 to 12' Prop Wall SB Side ST 713 to 716,10,2,0,0,
902253,601662,17.5,20.5,B6.1,
902219,601715,41.2,44.2,B6.2,
902192,601822,13,16,B6.3,
902195,601865,12.6,15.6,B6.4,
902195,601865,12.6,16.6,B6.4,
902186,601903,13,17,B6.5,
902169,601941,14.2,18.2,B6.6,
902160,601960,11.5,15.5,B6.7,
B7 - SB Nat Bar La Costa Ramp,11,2,0,0,
902175,602044,12,12.0,B7.1,
902146,602108,16,16.0,B7.2,
902114,602169,18,18.0,B7.3,
902090,602217,19.2,19.2,B7.4,
B7/B14 - SB Nat Bar La Costa Bridge,12,2,0,0,
902090,602217,19.2,19.2,B7.4,

902115,602227,17.3,17.3,B7.5,
902102,602258,16.8,16.8,B7.6,
902067,602258,18.3,18.3,B7.7,
902035,602255,20,20,B7.8,
902011,602320,20,20,B7.9,
901981,602348,19,19,B14.1,
901930,602402,20.5,20.5,B14.2,
B15 - Nat Bar La Costa SB Off-ramp,13,2,0,0,
902067,602258,18,18,B15.1,
902039,602337,13.6,13.6,B15.2,
902013,602414,9,9,B15.3,
B59 - Center Divider,14,2,0,0,
902411,601206,31.5,32.5,B59.1,
902390,601296,29.5,30.5,B59.2,
902364,601404,27,28,B59.3,
902341,601495,25,26,B59.4,
902316,601603,22.5,23.5,B59.5,
902289,601716,20,21,B59.6,
902262,601825,17.5,18.5,B59.7,
902236,601933,15,16,B59.8,
902211,602041,12.5,13.5,B59.9,
902187,602129,10.5,11.5,B59.10,
B60 - Center Divider,15,2,0,0,
902187,602129,10.5,11.5,B60.1,
902157,602218,8.5,9.5,B60.2,
902124,602301,6.5,7.5,B60.3,
902085,602378,5,6,B60.4,
902034,602471,4.3,5.3,B60.5,
B90 - 5.5' Property Wall at R12.28,16,2,0,0,
902103,602058,30,31.7,B90.1,
902093,602094,31,32.7,B90.2,
902085,602113,30.2,31.9,B90.3,
902063,602115,30,31.7,B90.4,
B23 - Nat Barrier SB Side ST 698 to 700,17,2,0,0,
902583,600215,55,55,B23.1,
902547,600214,55,55,B23.2,
902543,600251,54,54,B23.3,
902549,600317,50,50,B23.4,
902540,600395,48,48,B23.5,
902515,600434,50,50,B23.6,
902498,600464,54,54,B23.7
B25 - Nat Barrier SB Side ST 703 to 706,18,2,0,0
902475,600762,40,40,B25.1
902440,600833,43.5,43.5,B25.2
902388,600911,46.5,46.5,B25.3
902406,600976,42,42,B25.4
B100 - Nat Barrier R12.26A,19,2,0,0
902148,601975,14,14,B100.1
902095,601990,42,42,B100.2
Bpl2 - Nat Barrier R12.26A,20,2,0,0
902097,602125,25,25.0,PL2.1
902065,602207,21.5,21.5,PL2.2
902047,602213,21.5,21.5,PL2.3
R,1,67,4
902334,601048,41.5,R12.12A
R,2,67,4

902340,601095,38.5,R12.14A
R,3,67,4
902302,601260,31.5,R12.16A
R,4,67,4
902519,600172,56,R12.1
R,5,67,4
902522,600289,53.8,R12.2
R,6,67,4
902490,600399,56.7,R12.3
R,7,67,4
902508,600491,47.7,R12.4
R,8,67,4
902511,600545,46,R12.5
R,9,67,4
902443,600710,47.9,R12.6
R,10,67,4
902440,600776,46.3,R12.7
R,11,67,4
902394,600812,57.8,R12.8
R,12,67,4
902395,600873,49.3,R12.9
R,13,67,4
902342,600917,51.4,R12.10
R,14,67,4
902357,600957,44.1,R12.11
R,15,67,4
902388,601050,35.2,R12.12
R,16,67,4
902286,601077,52.2,R12.13
R,17,67,4
902344,601141,34.8,R12.14
R,18,67,4
902287,601169,45.3,R12.15
R,19,67,4
902317,601246,32.2,R12.16
R,20,67,4
902284,601367,27.2,R12.17
R,21,67,4
902242,601367,39.5,R12.18
R,22,67,4
902256,601460,31,R12.19
R,23,67,4
902197,601485,47.5,R12.20
R,24,67,4
902210,601539,45.7,R12.21
R,25,67,4
902221,601668,16.8,R12.22
R,26,67,4
902175,601785,15.5,R12.23
R,27,67,4
902155,601855,14.8,R12.24
R,28,67,4
902184,601883,13.7,R12.25
R,29,67,4
902156,601944,14.1,R12.26
R,30,67,4

902138,601934,14.8,R12.26A
R,31,67,4
902091,602010,46.4,R12.27
R,32,67,4
902086,602099,31.6,R12.28
R,33,67,4
902078,602159,25.3,R12.29
R,34,67,4
902006,602197,23.9,R12.30
D,4.5
ALL,1,2,3
ALL,4,5,6
ALL,7,8,9
ALL,10,11,12
ALL,13,14,15
ALL,16,17,18
ALL,19,20,21
ALL,22,23,25
ALL,26,27,28
ALL,29,30,31
ALL,32,33,34
K,-5
ALL,1
ALL,2
ALL,3
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
12 - LEUCADIA TO LA COSTA WEST SIDE - BUILD,BLD,FT,

1

BARRIER DATA
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BAR		BARRIER HEIGHTS								BAR	
ELE		0	1	2	3	4	5	6	7	ID	LENGTH TYPE
1	-	0.*								B21.1	157.5
2	-	0.*								B21.2	89.7
3	-	0.*								B21.3	160.8
4	-	0.*								B102.1	189.1
5	-	0.*								B102.2	96.9
6	-	0.*								B102.3	121.5
7	-	0.*								B102.4	172.8
8	-	0.*								B102.5	196.4
9	-	0.*								B102.6	199.0
10	-	0.*								B102.7	139.2
11	-	0.*								B102.8	171.2
12	-	0.*								B2.7	291.3
13	-	0.*								B2.8A	97.8
14	-	0.*								B2.9	209.4
15	-	3.*								B57.7	384.4
16	-	3.*								B57.8	381.9
17	-	3.*								B57.9	418.7
18	-	3.*								B58.1	392.2
19	-	3.*								B58.2	421.9
20	-	3.*								B58.3	408.9
21	-	3.*								B58.4	398.0
22	-	3.*								B58.5	412.1
23	-	3.*								B58.6	418.7
24	-	3.*								B58.7	365.2
25	-	3.*								B58.8	333.5
26	-	3.*								B58.9	312.0
27	-	0.*								B3.1	173.2
28	-	0.*								B3.2	111.4
29	-	0.*								B3.3	109.7
30	-	0.*								B3.4	92.7
31	-	0.*								B3.5	96.7
32	-	0.*								B3.6	211.8
33	-	0.*								B3.7	206.9
34	-	0.*								B3.8	327.1
35	-	0.*								B3.9	314.5
36	-	0.*								B4.1	296.9
37	-	0.*								B4.2	192.6

38	- 0.*	B4.3	179.1
39	- 0.*	B4.4	300.9
40	- 0.*	B4.5	209.3
41	- 0.*	B4.6	216.5
42	- 0.*	B4.7	315.3
43	- 0.*	B4.8	187.2
44	- 0.*	B4.9	187.0
45	- 0.*	B45.1	284.9
46	- 0.*	B45.2	195.2
47	- 0.*	B45.3	134.1
48	- 0.*	B45.4	131.0
49	- 0.*	B45.5	64.8
50	- 10.*	B6.1	220.7
51	- 10.*	B6.2	373.6
52	- 10.*	B6.3	141.4
53	- 12.*	B6.4	3.3
54	- 13.*	B6.4	128.1
55	- 13.*	B6.5	136.6
56	- 13.*	B6.6	69.6
57	- 0.*	B7.1	230.8
58	- 0.*	B7.2	226.2
59	- 0.*	B7.3	176.1
60	- 0.*	B7.4	88.5
61	- 0.*	B7.5	110.3
62	- 0.*	B7.6	114.9
63	- 0.*	B7.7	105.6
64	- 0.*	B7.8	227.4
65	- 0.*	B7.9	134.7
66	- 0.*	B14.1	243.8
67	- 0.*	B15.1	275.4
68	- 0.*	B15.2	267.0
69	- 3.*	B59.1	303.3
70	- 3.*	B59.2	364.5
71	- 3.*	B59.3	308.0
72	- 3.*	B59.4	363.8
73	- 3.*	B59.5	381.3
74	- 3.*	B59.6	368.5
75	- 3.*	B59.7	364.5
76	- 3.*	B59.8	363.8
77	- 3.*	B59.9	299.3
78	- 3.*	B60.1	308.2
79	- 3.*	B60.2	293.1
80	- 3.*	B60.3	283.3
81	- 3.*	B60.4	348.0
82	- 6.*	B90.1	122.6
83	- 6.*	B90.2	67.7
84	- 6.*	B90.3	72.5

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85    -  0.*                        B23.1     118.1
86    -  0.*                        B23.2     122.1
87    -  0.*                        B23.3     217.9
88    -  0.*                        B23.4     257.7
89    -  0.*                        B23.5     152.1
90    -  0.*                        B23.6     113.9

91    -  0.*                        B25.1     260.0
92    -  0.*                        B25.2     307.7
93    -  0.*                        B25.3     221.7

94    -  0.*                        B100.1    202.7

95    -  0.*                        PL2.1     289.1
96    -  0.*                        PL2.2      62.2
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     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
---------------------------------
 1  R12.12A   67.    500.   67.9
 2  R12.14A   67.    500.   69.2
 3  R12.16A   67.    500.   68.9
 4  R12.1     67.    500.   68.7
 5  R12.2     67.    500.   72.8
 6  R12.3     67.    500.   72.9
 7  R12.4     67.    500.   76.1
 8  R12.5     67.    500.   78.1
 9  R12.6     67.    500.   74.9
10  R12.7     67.    500.   75.6
11  R12.8     67.    500.   73.1
12  R12.9     67.    500.   74.3
13  R12.10    67.    500.   71.4
14  R12.11    67.    500.   71.5
15  R12.12    67.    500.   76.8
16  R12.13    67.    500.   70.7
17  R12.14    67.    500.   75.0
18  R12.15    67.    500.   71.9
19  R12.16    67.    500.   74.9
20  R12.17    67.    500.   74.1
21  R12.18    67.    500.   71.9
22  R12.19    67.    500.   74.5
23  R12.20    67.    500.   71.0
24  R12.21    67.    500.   77.2
25  R12.22    67.    500.   70.6
26  R12.23    67.    500.   67.9
27  R12.24    67.    500.   72.1
28  R12.25    67.    500.   68.9
29  R12.26    67.    500.   69.9
30  R12.26A   67.    500.   71.6
31  R12.27    67.    500.   72.3
32  R12.28    67.    500.   67.5
33  R12.29    67.    500.   73.5
34  R12.30    67.    500.   67.0
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
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CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
3. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.10.
10.10.12.13.13.13. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3.
3. 3. 3. 3. 3. 3. 3. 6. 6. 6. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.

12 - Leucadia to La Costa WEST Side - DGN,DGN,Ft,
T-L21 - NB Leucadia Off-ramp,1
950,45,24,45,26,45
T-L22 - SB Leucadia On-ramp,2
950,45,24,45,26,45
T-L24 - SB Leucadia Off-ramp,3
950,45,24,45,26,45
T-L23 - NB Leucadia On-ramp,4
950,45,24,45,26,45
T-L4 - SB General Lanes - Outer,5
3052,65,122,65,426,65
T-L14 - SB General Lanes - Inner,6
5217,65,183,65,0,65
T-L54 - SB HOV Lanes,7
3000,65,0,65,0,65
T-L53 - NB HOV Lanes,8
3000,65,0,65,0,65,
T-L13 - NB General Lanes - Inner,9,
5217,65,183,65,0,65,
T-L3 - NB General Lanes - Outer,10,
3052,65,122,65,426,65,
T-L6 - SB General Lanes - Outer,11,
3052,65,122,65,426,65,
T-L16 - SB General Lanes - Inner,12,
5217,65,183,65,0,65,
T-L56 - SB HOV Lanes,13,
3000,65,0,65,0,65,
T-L55 - NB HOV Lanes,14,
3000,65,0,65,0,65,
T-L15 - NB General Lanes - Inner,15,
5217,65,183,65,0,65,
T-L5 - NB General Lanes - Outer,16,
3052,65,122,65,426,65
T-L26 - SB La Costa On-Ramp,17
950,45,24,45,26,45
T-L25 - NB La Costa Off-Ramp,18
950,45,24,45,26,45
T-L27 - NB La Costa On-Ramp,19
950,45,24,45,26,45
T-L28 - SB La Costa Off-Ramp,20
950,45,24,45,26,45
L21 - NB Leucadia Off-ramp,1
N,902813,599676,46.8,L21.1,
N,902805,599723,47.1,L21.2,
N,902794,599780,47.8,L21.3,
N,902786,599823,48,L21.4,
N,902777,599883,48.1,L21.5,
N,902765,599963,49.6,L21.6,
N,902760,600002,50.7,L21.7
N,902764,600062,51.8,L21.8
N,902766,600120,53.9,L21.9
L22 - SB Leucadia On-ramp,2,
N,902783,599567,45.8,L22.1
N,902769,599610,46.1,L22.2
N,902754,599668,46.9,L22.3
N,902738,599726,47.2,L22.4

N,902717,599801,47.8,L22.5
N,902706,599841,47.9,L22.6
N,902685,599898,47.7,L22.7
N,902663,599953,48.1,L22.8
N,902641,600011,50.1,L22.9
N,902629,600047,52,L22.10
N,902613,600106,53.9,L22.11
L24 - SB Leucadia Off-ramp,3,
N,902606,600148,53.7,L24.1
N,902600,600207,50.8,L24.2
N,902589,600267,46.8,L24.3
N,902582,600326,44,L24.4
N,902570,600385,42.5,L24.5
N,902563,600445,41.9,L24.6
N,902554,600504,41.6,L24.7
N,902546,600540,41.3,L24.8
L23 - NB Leucadia On-ramp,4,
N,902763,600132,53.5,L23.1
N,902756,600149,53.2,L23.2
N,902745,600168,52.6,L23.3
N,902710,600215,49.4,L23.4
N,902694,600251,46.8,L23.5
N,902676,600308,44.1,L23.6
N,902656,600366,43,L23.7
N,902639,600421,42.4,L23.8
N,902619,600499,41.5,L23.9
N,902603,600558,41.3,L23.10
N,902571,600668,39.8,L23.11
L4 - SB General Lanes - Outer,5,
N,902742,599738,47.8,L4.1
N,902724,599817,48.3,L4.2
N,902697,599932,48.3,L4.3
N,902668,600051,47.3,L4.4
N,902637,600175,45.7,L4.5
N,902609,600291,44.3,L4.6
N,902578,600418,42.7,L4.7
N,902546,600540,41.3,L4.8
N,902518,600655,39.8,L4.9
N,902489,600777,38.3,L4.10
N,902459,600901,36.8,L4.11
N,902432,601010,35.5,L4.12
N,902408,601107,33.3,L4.13
N,902385,601199,31.3,L4.14
N,902364,601289,29.3,L4.15
L14 - SB General Lanes - Inner,6,
N,902749,599740,47.8,L14.1
N,902731,599819,48.3,L14.2
N,902703,599935,48.3,L14.3
N,902674,600053,47.3,L14.4
N,902644,600177,45.7,L14.5
N,902615,600293,44.3,L14.6
N,902584,600420,42.7,L14.7
N,902556,600542,41.3,L14.8
N,902527,600657,39.8,L14.9
N,902497,600779,38.3,L14.10
N,902467,600902,36.8,L14.11

N,902440,601012,35.5,L14.12
N,902417,601109,33.3,L14.13
N,902394,601202,31.3,L14.14
N,902372,601291,29.3,L14.15
L54 - SB HOV Lanes,7,
N,902759,599742,48,L54.1
N,902740,599823,48.5,L54.2
N,902712,599939,48.5,L54.3
N,902684,600056,47.5,L54.4
N,902653,600179,46,L54.5
N,902625,600294,44.5,L54.6
N,902594,600423,43,L54.7
N,902564,600544,41.5,L54.8
N,902537,600659,40,L54.9
N,902507,600781,38.5,L54.10
N,902477,600904,37,L54.11
N,902449,601015,35.5,L54.12
N,902427,601113,33.5,L54.13
N,902404,601205,31.5,L54.14
N,902382,601293,29.5,L54.15
L53 - NB HOV Lanes,8,
N,902774,599752,48,L53.1
N,902755,599832,48.5,L53.2
N,902727,599945,48.5,L53.3
N,902700,600058,47.5,L53.4
N,902670,600182,46,L53.5
N,902641,600298,44.5,L53.6
N,902611,600423,43,L53.7
N,902582,600543,41.5,L53.8
N,902553,600663,40,L53.9
N,902524,600786,38.5,L53.10
N,902494,600909,37,L53.11
N,902467,601016,35.5,L53.12
N,902442,601116,33.5,L53.13
N,902420,601207,31.5,L53.14
N,902398,601296,29.5,L53.15
L13 - NB General Lanes - Inner,9,
N,902784,599756,47.8,L13.1
N,902764,599835,48.3,L13.2
N,902737,599948,48.3,L13.3
N,902710,600061,47.3,L13.4
N,902681,600184,45.7,L13.5
N,902651,600301,44.3,L13.6
N,902621,600426,42.7,L13.7
N,902591,600546,41.3,L13.8
N,902563,600665,39.8,L13.9
N,902533,600787,38.3,L13.10
N,902502,600911,36.8,L13.11
N,902475,601018,35.5,L13.12
N,902452,601118,33.3,L13.13
N,902430,601209,31.3,L13.14
N,902408,601298,29.3,L13.15
L3 - NB General Lanes - Outer,10,
N,902790,599758,47.8,L3.1
N,902771,599836,48.3,L3.2
N,902743,599949,48.3,L3.3

N,902716,600063,47.3,L3.4
N,902687,600185,45.7,L3.5
N,902657,600303,44.3,L3.6
N,902628,600429,42.7,L3.7
N,902600,600549,41.3,L3.8
N,902571,600668,39.8,L3.9
N,902542,600790,38.3,L3.10
N,902510,600914,36.8,L3.11
N,902485,601022,35.5,L3.12
N,902460,601120,33.3,L3.13
N,902439,601212,31.3,L3.14
N,902417,601300,29.3,L3.15
L6 - SB General Lanes - Outer,11,
N,902364,601289,29.3,L6.1
N,902338,601398,26.8,L6.2
N,902316,601489,24.8,L6.3
N,902289,601596,22.3,L6.4
N,902265,601707,19.8,L6.5
N,902237,601818,17.3,L6.6
N,902211,601928,14.8,L6.7
N,902183,602034,12.3,L6.8
N,902162,602122,10.3,L6.9
N,902134,602205,8.3,L6.10
N,902100,602285,6.2,L6.11
N,902061,602363,4.8,L6.12
N,902011,602457,4.2,L6.13
N,901955,602562,4.5,L6.14
N,901898,602668,4.8,L6.15
L16 - SB General Lanes - Inner,12,
N,902372,601291,29.3,L16.1
N,902346,601400,26.8,L16.2
N,902323,601491,24.8,L16.3
N,902298,601599,22.3,L16.4
N,902272,601709,19.8,L16.5
N,902245,601821,17.3,L16.6
N,902218,601930,14.8,L16.7
N,902192,602036,12.3,L16.8
N,902169,602124,10.3,L16.9
N,902140,602209,8.3,L16.10
N,902109,602290,6.2,L16.11
N,902069,602367,4.8,L16.12
N,902019,602462,4.2,L16.13
N,901962,602567,4.5,L16.14
N,901906,602672,4.8,L16.15
L56 - SB HOV Lanes,13,
N,902382,601293,29.5,L56.1
N,902355,601405,27,L56.2
N,902333,601494,25,L56.3
N,902308,601602,22.5,L56.4
N,902282,601713,20,L56.5
N,902255,601824,17.5,L56.6
N,902228,601932,15,L56.7
N,902201,602039,12.5,L56.8
N,902180,602127,10.5,L56.9
N,902151,602213,8.5,L56.10
N,902117,602294,6.5,L56.11

N,902077,602372,5,L56.12
N,902028,602467,4.3,L56.13
N,901971,602571,4.7,L56.14
N,901915,602676,4.9,L56.15
L55 - NB HOV Lanes,14,
N,902398,601296,29.5,L55.1
N,902373,601403,27,L55.2
N,902351,601494,25,L55.3
N,902324,601604,22.5,L55.4
N,902299,601714,20,L55.5
N,902270,601826,17.5,L55.6
N,902245,601933,15,L55.7
N,902219,602044,12.5,L55.8
N,902195,602133,10.5,L55.9
N,902164,602226,8.5,L55.10
N,902130,602306,6.5,L55.11
N,902092,602382,5,L55.12
N,902041,602474,4.3,L55.13
N,901986,602580,4.7,L55.14
N,901929,602686,4.9,L55.15
L15 - NB General Lanes - Inner,15,
N,902408,601298,29.3,L15.1
N,902382,601406,26.8,L15.2
N,902359,601496,24.8,L15.3
N,902333,601606,22.3,L15.4
N,902309,601716,19.8,L15.5
N,902280,601828,17.3,L15.6
N,902254,601933,14.8,L15.7
N,902227,602045,12.4,L15.8
N,902204,602137,10.7,L15.9
N,902173,602231,8.7,L15.10
N,902138,602311,6.7,L15.11
N,902100,602387,5.1,L15.12
N,902051,602480,4.2,L15.13
N,901993,602585,4.5,L15.14
N,901937,602691,4.8,L15.15
L5 - NB General Lanes - Outer,16,
N,902417,601300,29.3,L5.1
N,902390,601408,26.8,L5.2
N,902369,601498,24.8,L5.3
N,902342,601609,22.3,L5.4
N,902316,601718,19.8,L5.5
N,902289,601831,17.3,L5.6
N,902264,601936,14.8,L5.7
N,902236,602048,12.4,L5.8
N,902212,602141,10.7,L5.9
N,902181,602234,8.7,L5.10
N,902146,602314,6.7,L5.11
N,902108,602391,5.1,L5.12
N,902057,602485,4.2,L5.13
N,902000,602590,4.5,L5.14
N,901944,602696,4.8,L5.15
L26 - SB La Costa On-Ramp,17,
N,902265,601707,19.8,L26.1
N,902229,601825,16.9,L26.2
N,902209,601901,15,L26.3

N,902192,601960,13.6,L26.4
N,902163,602033,12.4,L26.5
N,902145,602070,13,L26.6
N,902097,602161,17.4,L26.7
N,902072,602211,19.2,L26.8
L25 - NB La Costa Off-Ramp,18,
N,902289,601831,17.3,L25.1
N,902274,601917,15,L25.2
N,902265,601977,13.5,L25.3
N,902256,602036,12.3,L25.4
N,902253,602077,12,L25.5
N,902247,602116,12.8,L25.6
N,902234,602194,15,L25.7
N,902223,602241,15.5,L25.8
L27 - NB La Costa On-Ramp,19,
N,902201,602284,13.5,L27.1
N,902153,602352,7.3,L27.2
N,902120,602403,4.6,L27.3
N,902089,602453,3.8,L27.4
N,902045,602522,3.8,L27.5
N,902017,602574,4,L27.6
N,901986,602628,4.4,L27.7
N,901944,602696,4.8,L27.8
L28 - SB La Costa Off-Ramp,20,
N,902054,602260,18,L28.1
N,902029,602335,13.6,L28.2
N,902002,602411,9,L28.3
N,901966,602504,4.5,L28.4
N,901950,602541,3.9,L28.5
N,901919,602614,4.2,L28.6
N,901898,602668,4.8,L28.7
B21 - Nat Bar Leucadia Bridge,1,2,0,0
902637,600140,54,54,B21.1
902589,600139,54,54,B21.2
902585,600166,55.5,55.5,B21.3
902583,600215,55,55,B21.4
B102 SB Leucadia off-ramp,2,2,0,0
902599,600150,53.7,53.7,B102.1
902591,600207,50.8,50.8,B102.2
902586,600236,48,48,B102.3
902585,600273,46.5,46.5,B102.4,
902577,600325,44,44,B102.5,
902567,600384,42.5,42.5,B102.6,
902558,600444,41.9,41.9,B102.7,
902558,600444,41.9,46.2,B102.7,
902552,600486,41.7,46.0,B102.8,
902541,600537,41.3,45.6,B102.9,
B2 - SB Shoulder ST 697 to 703,3,2,0,0,
902541,600537,41.3,45.6,B2.7,
902519,600623,40.2,44.5,B2.8A,
902512,600652,39.8,44.1,B2.9,
902497,600714,39,43.3,B2.10,
B57 - Center Divider,4,2,0,0,
902747,599830,48.5,49.5,B57.7,
902720,599944,48.5,49.5,B57.8,
902692,600057,47.5,48.5,B57.9,

902662,600181,46,47,B57.10,
B58 - Center Divider,5,2,0,0,
902662,600181,46,47,B58.1,
902633,600297,44.5,45.5,B58.2,
902603,600422,43,44,B58.3,
902573,600543,41.5,42.5,B58.4,
902545,600661,40,41,B58.5,
902515,600783,38.5,39.5,B58.6,
902485,600907,37,38,B58.7,
902458,601015,35.5,36.5,B58.8,
902435,601114,33.5,34.5,B58.9,
902411,601206,31.5,32.5,B58.10,
B3 - SB ROW to Shoulder ST 703 to 708,6,2,0,0,
902497,600714,39,43.3,B3.1,
902475,600762,40,44.3,B3.2,
902467,600795,40,44.3,B3.3,
902462,600828,38,42.3,B3.4
902459,600856,35.5,39.8,B3.5
902454,600885,37,41.3,B3.6
902440,600948,36.1,40.4,B3.7
902424,601009,35.3,39.6,B3.8
902424,601009,35.3,40.2,B3.8
902401,601106,33.3,38.2,B3.9
902378,601199,31.3,36.2,B3.10
B4 - SB Shoulder ST 708 to 715,7,2,0,0
902378,601199,31.3,36.2,B4.1
902357,601287,29.3,34.2,B4.2
902343,601344,28.1,33.0,B4.3
902330,601397,26.8,31.7,B4.4
902308,601486,24.8,29.7,B4.5
902293,601548,23.5,28.4,B4.6
902277,601612,22.3,27.2,B4.7
902257,601706,19.8,24.7,B4.8,
902242,601761,18.1,23.0,B4.9,
902227,601816,16.9,21.8,B4.10,
B45 - SB Shoulder of La Costa On-Ramp,8,2,0,0,
902227,601816,16.9,21.8,B45.1,
902205,601900,15,19.9,B45.2,
902188,601957,13.6,18.5,B45.3,
902173,601995,12.6,17.5,B45.4,
902158,602032,12.4,17.3,B45.5,
902148,602049,12.6,17.5,B45.6,
B6 - 10 to 12' Prop Wall SB Side ST 713 to 716,9,2,0,0,
902253,601662,17.5,20.5,B6.1,
902219,601715,41.2,44.2,B6.2,
902192,601822,13,16,B6.3,
902195,601865,12.6,15.6,B6.4,
902195,601865,12.6,16.6,B6.4,
902186,601903,13,17,B6.5,
902169,601941,14.2,18.2,B6.6,
902160,601960,11.5,15.5,B6.7,
B7 - SB Nat Bar La Costa Ramp,10,2,0,0,
902175,602044,12,12,B7.1,
902146,602108,16,16,B7.2,
902114,602169,18,18,B7.3,
902090,602217,19.2,19.2,B7.4,

B7/B14 - SB Nat Bar La Costa Bridge,11,2,0,0,
902090,602217,19.2,19.2,B7.4,
902115,602227,17.3,17.3,B7.5,
902102,602258,16.8,16.8,B7.6,
902067,602258,18.3,18.3,B7.7,
902035,602255,20,20,B7.8,
902011,602320,20,20,B7.9,
901981,602348,19,19,B14.1,
901930,602402,20.5,20.5,B14.2,
B15 - Nat Bar La Costa SB Off-ramp,12,2,0,0,
902067,602258,18,18,B15.1,
902039,602337,13.6,13.6,B15.2,
902013,602414,9,9,B15.3,
B59 - Center Divider,13,2,0,0,
902411,601206,31.5,32.5,B59.1,
902390,601296,29.5,30.5,B59.2,
902364,601404,27,28,B59.3,
902341,601495,25,26,B59.4,
902316,601603,22.5,23.5,B59.5,
902289,601716,20,21,B59.6,
902262,601825,17.5,18.5,B59.7,
902236,601933,15,16,B59.8,
902211,602041,12.5,13.5,B59.9,
902187,602129,10.5,11.5,B59.10,
B60 - Center Divider,14,2,0,0,
902187,602129,10.5,11.5,B60.1,
902157,602218,8.5,9.5,B60.2,
902124,602301,6.5,7.5,B60.3,
902085,602378,5,6,B60.4,
902034,602471,4.3,5.3,B60.5,
B90 - 5.5' Property Wall at R12.28,15,2,0,0,
902103,602058,30,31.7,B90.1,
902093,602094,31,32.7,B90.2,
902085,602113,30.2,31.9,B90.3,
902063,602115,30,31.7,B90.4,
B23 - Nat Barrier SB Side ST 698 to 700,16,2,0,0,
902583,600215,55,55,B23.1,
902547,600214,55,55,B23.2,
902543,600251,54,54,B23.3,
902549,600317,50,50,B23.4,
902540,600395,48,48,B23.5
902515,600434,50,50,B23.6
902498,600464,54,54,B23.7
B25 - Nat Barrier SB Side ST 703 to 706,17,2,0,0
902475,600762,40,40,B25.1
902440,600833,43.5,43.5,B25.2
902388,600911,46.5,46.5,B25.3
902406,600976,42,42,B25.4
B100 - Nat Barrier R12.26A,18,2,0,0
902148,601975,14,14,B100.1
902095,601990,42,42,B100.2
Bpl2 - Nat Barrier R12.26A,19,2,0,0
902097,602125,25,27.4,PL2.1
902065,602207,21.5,23.9,PL2.2
902047,602213,21.5,23.9,PL2.3
R,1,67,4

902334,601048,41.5,R12.12A
R,2,67,4
902340,601095,38.5,R12.14A
R,3,67,4
902302,601260,31.5,R12.16A
R,4,67,4
902519,600172,56,R12.1
R,5,67,4
902522,600289,53.8,R12.2
R,6,67,4
902490,600399,56.7,R12.3
R,7,67,4
902508,600491,47.7,R12.4
R,8,67,4
902511,600545,46,R12.5
R,9,67,4
902443,600710,47.9,R12.6
R,10,67,4
902440,600776,46.3,R12.7
R,11,67,4
902394,600812,57.8,R12.8
R,12,67,4
902395,600873,49.3,R12.9
R,13,67,4
902342,600917,51.4,R12.10
R,14,67,4
902357,600957,44.1,R12.11
R,15,67,4
902388,601050,35.2,R12.12
R,16,67,4
902286,601077,52.2,R12.13
R,17,67,4
902344,601141,34.8,R12.14
R,18,67,4
902287,601169,45.3,R12.15
R,19,67,4
902317,601246,32.2,R12.16
R,20,67,4
902284,601367,27.2,R12.17
R,21,67,4
902242,601367,39.5,R12.18
R,22,67,4
902256,601460,31,R12.19
R,23,67,4
902197,601485,47.5,R12.20
R,24,67,4
902210,601539,45.7,R12.21
R,25,67,4
902221,601668,16.8,R12.22
R,26,67,4
902175,601785,15.5,R12.23
R,27,67,4
902155,601855,14.8,R12.24
R,28,67,4
902184,601883,13.7,R12.25
R,29,67,4

902156,601944,14.1,R12.26
R,30,67,4
902138,601934,14.8,R12.26A
R,31,67,4
902091,602010,46.4,R12.27
R,32,67,4
902086,602099,31.6,R12.28
R,33,67,4
902078,602159,25.3,R12.29
R,34,67,4
902006,602197,23.9,R12.30
D,4.5
ALL,1,2,3
ALL,4,5,6
ALL,7,8,9
ALL,10,11,12
ALL,13,14,15
ALL,16,17,18
ALL,19,20,21
ALL,22,23,25
ALL,26,27,28
ALL,29,30,31
ALL,32,33,34
K,-5
ALL,1
ALL,2
ALL,3
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
12 - LEUCADIA TO LA COSTA WEST SIDE - DGN,DGN,FT,

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	-	0.*							B21.1	157.5	
2	-	0.*							B21.2	89.7	
3	-	0.*							B21.3	160.8	
4	-	0.*							B102.1	189.1	
5	-	0.*							B102.2	96.9	
6	-	0.*							B102.3	121.5	
7	-	0.*							B102.4	172.8	
8	-	0.*							B102.5	196.4	
9	-	0.*							B102.6	199.0	
10	-	7.*							B102.7	14.1	
11	-	14.*							B102.7	139.2	
12	-	14.*							B102.8	171.2	
13	-	14.*							B2.7	291.3	
14	-	14.*							B2.8A	97.8	
15	-	14.*							B2.9	209.4	
16	-	3.*							B57.7	384.4	
17	-	3.*							B57.8	381.9	
18	-	3.*							B57.9	418.7	
19	-	3.*							B58.1	392.2	
20	-	3.*							B58.2	421.9	
21	-	3.*							B58.3	408.9	
22	-	3.*							B58.4	398.0	
23	-	3.*							B58.5	412.1	
24	-	3.*							B58.6	418.7	
25	-	3.*							B58.7	365.2	
26	-	3.*							B58.8	333.5	
27	-	3.*							B58.9	312.0	
28	-	14.*							B3.1	173.2	
29	-	14.*							B3.2	111.4	
30	-	14.*							B3.3	109.7	
31	-	14.*							B3.4	92.7	
32	-	14.*							B3.5	96.7	
33	-	14.*							B3.6	211.8	
34	-	14.*							B3.7	206.9	
35	-	15.*							B3.8	2.0	
36	-	16.*							B3.8	327.1	
37	-	16.*							B3.9	314.5	

38	- 16.*	B4.1	296.9
39	- 16.*	B4.2	192.6
40	- 16.*	B4.3	179.1
41	- 16.*	B4.4	300.9
42	- 16.*	B4.5	209.3
43	- 16.*	B4.6	216.5
44	- 16.*	B4.7	315.3
45	- 16.*	B4.8	187.2
46	- 16.*	B4.9	187.0
47	- 16.*	B45.1	284.9
48	- 16.*	B45.2	195.2
49	- 16.*	B45.3	134.1
50	- 16.*	B45.4	131.0
51	- 16.*	B45.5	64.8
52	- 10.*	B6.1	220.7
53	- 10.*	B6.2	373.6
54	- 10.*	B6.3	141.4
55	- 12.*	B6.4	3.3
56	- 13.*	B6.4	128.1
57	- 13.*	B6.5	136.6
58	- 13.*	B6.6	69.6
59	- 0.*	B7.1	230.8
60	- 0.*	B7.2	226.2
61	- 0.*	B7.3	176.1
62	- 0.*	B7.4	88.5
63	- 0.*	B7.5	110.3
64	- 0.*	B7.6	114.9
65	- 0.*	B7.7	105.6
66	- 0.*	B7.8	227.4
67	- 0.*	B7.9	134.7
68	- 0.*	B14.1	243.8
69	- 0.*	B15.1	275.4
70	- 0.*	B15.2	267.0
71	- 3.*	B59.1	303.3
72	- 3.*	B59.2	364.5
73	- 3.*	B59.3	308.0
74	- 3.*	B59.4	363.8
75	- 3.*	B59.5	381.3
76	- 3.*	B59.6	368.5
77	- 3.*	B59.7	364.5
78	- 3.*	B59.8	363.8
79	- 3.*	B59.9	299.3
80	- 3.*	B60.1	308.2
81	- 3.*	B60.2	293.1
82	- 3.*	B60.3	283.3
83	- 3.*	B60.4	348.0
84	- 6.*	B90.1	122.6
85	- 6.*	B90.2	67.7

86	-	6.*	B90.3	72.5
87	-	0.*	B23.1	118.1
88	-	0.*	B23.2	122.1
89	-	0.*	B23.3	217.9
90	-	0.*	B23.4	257.7
91	-	0.*	B23.5	152.1
92	-	0.*	B23.6	113.9
93	-	0.*	B25.1	260.0
94	-	0.*	B25.2	307.7
95	-	0.*	B25.3	221.7
96	-	0.*	B100.1	202.7
97	-	8.*	PL2.1	289.1
98	-	8.*	PL2.2	62.2

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0 1 2 3 4 5 6 7

1

REC	REC ID	DNL	PEOPLE	LEQ(CAL)
1	R12.12A	67.	500.	64.4
2	R12.14A	67.	500.	64.4
3	R12.16A	67.	500.	62.3
4	R12.1	67.	500.	68.7
5	R12.2	67.	500.	72.7
6	R12.3	67.	500.	72.5
7	R12.4	67.	500.	73.0
8	R12.5	67.	500.	73.4
9	R12.6	67.	500.	72.3
10	R12.7	67.	500.	73.2
11	R12.8	67.	500.	72.5
12	R12.9	67.	500.	72.8
13	R12.10	67.	500.	70.0
14	R12.11	67.	500.	69.6
15	R12.12	67.	500.	68.5
16	R12.13	67.	500.	68.9
17	R12.14	67.	500.	68.4
18	R12.15	67.	500.	69.6
19	R12.16	67.	500.	68.1
20	R12.17	67.	500.	66.6
21	R12.18	67.	500.	69.6
22	R12.19	67.	500.	69.9
23	R12.20	67.	500.	69.6
24	R12.21	67.	500.	74.2
25	R12.22	67.	500.	63.7
26	R12.23	67.	500.	64.3
27	R12.24	67.	500.	65.9
28	R12.25	67.	500.	66.4
29	R12.26	67.	500.	67.5
30	R12.26A	67.	500.	67.2
31	R12.27	67.	500.	72.2
32	R12.28	67.	500.	67.5
33	R12.29	67.	500.	69.1
34	R12.30	67.	500.	66.3

BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
0. 0. 0. 0. 0. 0. 0. 0. 0. 7.14.14.14.14.14. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
3. 3.14.14.14.14.14.14.14.15.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.
16.10.10.10.12.13.13.13. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3.
3. 3. 3. 3. 3. 3. 3. 3. 6. 6. 6. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 8. 8.

12 - Leucadia to La Costa - EAST Side Future No-Build,
T-L21 - NB Leucadia Off-ramp,1
884,45,22,45,24,45
T-L22 - SB Leucadia On-ramp,2
713,45,18,45,20,45
T-L24 - SB Leucadia Off-ramp,3
770,45,19,45,21,45
T-L23 - NB Leucadia On-ramp,4
551,45,14,45,15,45
T-L4 - SB General Lanes - Outer,5
0,65,0,65,0,65
T-L14 - SB General Lanes - Inner,6
3269,65,87,65,244,65
T-L54 - SB General (Future HOV Lanes),7
3513,65,87,65,0,65
T-L53 - NB General (Future HOV Lanes),8
3513,65,87,65,0,65,
T-L13 - NB General Lanes - Inner,9,
3269,65,87,65,244,65,
T-L3 - NB General Lanes - Outer,10,
0,65,0,65,0,65,
T-L6 - SB General Lanes - Outer,11,
0,65,0,65,0,65,
T-L16 - SB General Lanes - Inner,12,
3269,65,87,65,244,65,
T-L56 - SB General (Future HOV Lanes),13,
3513,65,87,65,0,65,
T-L55 - NB General (Future HOV Lanes),14,
3513,65,87,65,0,65,
T-L15 - NB General Lanes - Inner,15,
3269,65,87,65,244,65,
T-L5 - NB General Lanes - Outer,16,
0,65,0,65,0,65
T-L26 - SB La Costa On-Ramp,17
760,45,19,45,21,45
T-L25 - NB La Costa Off-Ramp,18
789,45,20,45,22,45
T-L27 - NB La Costa On-Ramp,19
627,45,16,45,17,45
T-L28 - SB La Costa Off-Ramp,20
760,45,19,45,21,45
L21 - NB Leucadia Off-ramp,1
N,902813,599676,46.8,L21.1,
N,902800,599736,47.3,L21.2,
N,902785,599799,47.8,L21.3,
N,902770,599898,48.2,L21.4,
N,902762,599957,49.4,L21.5,
N,902759,600015,50.8,L21.6,
N,902761,600057,51.8,L21.7
N,902764,600106,53.3,L21.8
L22 - SB Leucadia On-ramp,2,
N,902760,599661,46.8,L22.1
N,902741,599727,47.5,L22.2
N,902721,599804,48,L22.3
N,902693,599891,48.1,L22.4
N,902667,599966,49.7,L22.5

N,902644,600031,51.3,L22.6
N,902614,600105,53.7,L22.7
L24 - SB Leucadia Off-ramp,3,
N,902607,600143,53.9,L24.1
N,902603,600189,52.2,L24.2
N,902596,600248,48.3,L24.3
N,902589,600306,44.7,L24.4
N,902582,600347,43.3,L24.5
N,902570,600426,42.4,L24.6
N,902563,600466,42,L24.7
N,902546,600540,41.3,L24.8
L23 - NB Leucadia On-ramp,4,
N,902727,600147,53,L93.1
N,902702,600209,50,L93.2
N,902674,600272,46,L93.3
N,902654,600329,44,L93.4
N,902628,600429,42.7,L93.5
L4 - SB General Lanes - Outer,5,
N,902742,599738,47.8,L4.1
N,902724,599817,48.3,L4.2
N,902697,599932,48.3,L4.3
N,902668,600051,47.3,L4.4
N,902637,600175,45.7,L4.5
N,902609,600291,44.3,L4.6
N,902578,600418,42.7,L4.7
N,902546,600540,41.3,L4.8
N,902518,600655,39.8,L4.9
N,902489,600777,38.3,L4.10
N,902459,600901,36.8,L4.11
N,902432,601010,35.5,L4.12
N,902408,601107,33.3,L4.13
N,902385,601199,31.3,L4.14
N,902364,601289,29.3,L4.15
L14 - SB General Lanes - Inner,6,
N,902749,599740,47.8,L14.1
N,902731,599819,48.3,L14.2
N,902703,599935,48.3,L14.3
N,902674,600053,47.3,L14.4
N,902644,600177,45.7,L14.5
N,902615,600293,44.3,L14.6
N,902584,600420,42.7,L14.7
N,902556,600542,41.3,L14.8
N,902527,600657,39.8,L14.9
N,902497,600779,38.3,L14.10
N,902467,600902,36.8,L14.11
N,902440,601012,35.5,L14.12
N,902417,601109,33.3,L14.13
N,902394,601202,31.3,L14.14
N,902372,601291,29.3,L14.15
L54 - SB HOV Lanes,7,
N,902759,599742,48,L54.1
N,902740,599823,48.5,L54.2
N,902712,599939,48.5,L54.3
N,902684,600056,47.5,L54.4
N,902653,600179,46,L54.5
N,902625,600294,44.5,L54.6

N,902594,600423,43,L54.7
N,902564,600544,41.5,L54.8
N,902537,600659,40,L54.9
N,902507,600781,38.5,L54.10
N,902477,600904,37,L54.11
N,902449,601015,35.5,L54.12
N,902427,601113,33.5,L54.13
N,902404,601205,31.5,L54.14
N,902382,601293,29.5,L54.15
L53 - NB HOV Lanes,8,
N,902774,599752,48,L53.1
N,902755,599832,48.5,L53.2
N,902727,599945,48.5,L53.3
N,902700,600058,47.5,L53.4
N,902670,600182,46,L53.5
N,902641,600298,44.5,L53.6
N,902611,600423,43,L53.7
N,902582,600543,41.5,L53.8
N,902553,600663,40,L53.9
N,902524,600786,38.5,L53.10
N,902494,600909,37,L53.11
N,902467,601016,35.5,L53.12
N,902442,601116,33.5,L53.13
N,902420,601207,31.5,L53.14
N,902398,601296,29.5,L53.15
L13 - NB General Lanes - Inner,9,
N,902784,599756,47.8,L13.1
N,902764,599835,48.3,L13.2
N,902737,599948,48.3,L13.3
N,902710,600061,47.3,L13.4
N,902681,600184,45.7,L13.5
N,902651,600301,44.3,L13.6
N,902621,600426,42.7,L13.7
N,902591,600546,41.3,L13.8
N,902563,600665,39.8,L13.9
N,902533,600787,38.3,L13.10
N,902502,600911,36.8,L13.11
N,902475,601018,35.5,L13.12
N,902452,601118,33.3,L13.13
N,902430,601209,31.3,L13.14
N,902408,601298,29.3,L13.15
L3 - NB General Lanes - Outer,10,
N,902790,599758,47.8,L3.1
N,902771,599836,48.3,L3.2
N,902743,599949,48.3,L3.3
N,902716,600063,47.3,L3.4
N,902687,600185,45.7,L3.5
N,902657,600303,44.3,L3.6
N,902628,600429,42.7,L3.7
N,902600,600549,41.3,L3.8
N,902571,600668,39.8,L3.9
N,902542,600790,38.3,L3.10
N,902510,600914,36.8,L3.11
N,902485,601022,35.5,L3.12
N,902460,601120,33.3,L3.13
N,902439,601212,31.3,L3.14

N,902417,601300,29.3,L3.15
L6 - SB General Lanes - Outer,11,
N,902364,601289,29.3,L6.1
N,902338,601398,26.8,L6.2
N,902316,601489,24.8,L6.3
N,902289,601596,22.3,L6.4
N,902265,601707,19.8,L6.5
N,902237,601818,17.3,L6.6
N,902211,601928,14.8,L6.7
N,902183,602034,12.3,L6.8
N,902162,602122,10.3,L6.9
N,902134,602205,8.3,L6.10
N,902100,602285,6.2,L6.11
N,902061,602363,4.8,L6.12
N,902011,602457,4.2,L6.13
N,901955,602562,4.5,L6.14
N,901898,602668,4.8,L6.15
L16 - SB General Lanes - Inner,12,
N,902372,601291,29.3,L16.1
N,902346,601400,26.8,L16.2
N,902323,601491,24.8,L16.3
N,902298,601599,22.3,L16.4
N,902272,601709,19.8,L16.5
N,902245,601821,17.3,L16.6
N,902218,601930,14.8,L16.7
N,902192,602036,12.3,L16.8
N,902169,602124,10.3,L16.9
N,902140,602209,8.3,L16.10
N,902109,602290,6.2,L16.11
N,902069,602367,4.8,L16.12
N,902019,602462,4.2,L16.13
N,901962,602567,4.5,L16.14
N,901906,602672,4.8,L16.15
L56 - SB HOV Lanes,13,
N,902382,601293,29.5,L56.1
N,902355,601405,27,L56.2
N,902333,601494,25,L56.3
N,902308,601602,22.5,L56.4
N,902282,601713,20,L56.5
N,902255,601824,17.5,L56.6
N,902228,601932,15,L56.7
N,902201,602039,12.5,L56.8
N,902180,602127,10.5,L56.9
N,902151,602213,8.5,L56.10
N,902117,602294,6.5,L56.11
N,902077,602372,5,L56.12
N,902028,602467,4.3,L56.13
N,901971,602571,4.7,L56.14
N,901915,602676,4.9,L56.15
L55 - NB HOV Lanes,14,
N,902398,601296,29.5,L55.1
N,902373,601403,27,L55.2
N,902351,601494,25,L55.3
N,902324,601604,22.5,L55.4
N,902299,601714,20,L55.5
N,902270,601826,17.5,L55.6

N,902245,601933,15,L55.7
N,902219,602044,12.5,L55.8
N,902195,602133,10.5,L55.9
N,902164,602226,8.5,L55.10
N,902130,602306,6.5,L55.11
N,902092,602382,5,L55.12
N,902041,602474,4.3,L55.13
N,901986,602580,4.7,L55.14
N,901929,602686,4.9,L55.15
L15 - NB General Lanes - Inner,15,
N,902408,601298,29.3,L15.1
N,902382,601406,26.8,L15.2
N,902359,601496,24.8,L15.3
N,902333,601606,22.3,L15.4
N,902309,601716,19.8,L15.5
N,902280,601828,17.3,L15.6
N,902254,601933,14.8,L15.7
N,902227,602045,12.4,L15.8
N,902204,602137,10.7,L15.9
N,902173,602231,8.7,L15.10
N,902138,602311,6.7,L15.11
N,902100,602387,5.1,L15.12
N,902051,602480,4.2,L15.13
N,901993,602585,4.5,L15.14
N,901937,602691,4.8,L15.15
L5 - NB General Lanes - Outer,16,
N,902417,601300,29.3,L5.1
N,902390,601408,26.8,L5.2
N,902369,601498,24.8,L5.3
N,902342,601609,22.3,L5.4
N,902316,601718,19.8,L5.5
N,902289,601831,17.3,L5.6
N,902264,601936,14.8,L5.7
N,902236,602048,12.4,L5.8
N,902212,602141,10.7,L5.9
N,902181,602234,8.7,L5.10
N,902146,602314,6.7,L5.11
N,902108,602391,5.1,L5.12
N,902057,602485,4.2,L5.13
N,902000,602590,4.5,L5.14
N,901944,602696,4.8,L5.15
L26 - SB La Costa On-Ramp,17,
N,902265,601707,19.8,L26.1
N,902229,601825,16.9,L26.2
N,902209,601901,15,L26.3
N,902192,601960,13.6,L26.4
N,902163,602033,11.8,L26.5
N,902145,602070,12.3,L26.6
N,902097,602161,17.4,L26.7
N,902072,602211,19.2,L26.8
L25 - NB La Costa Off-Ramp,18,
N,902289,601831,17.3,L25.1
N,902274,601917,15,L25.2
N,902265,601977,13.5,L25.3
N,902256,602036,12.3,L25.4
N,902253,602077,12,L25.5

N,902247,602116,12.8,L25.6
N,902234,602194,15,L25.7
N,902223,602241,15.5,L25.8
L27 - NB La Costa On-Ramp,19,
N,902201,602284,13.5,L27.1
N,902153,602352,7.3,L27.2
N,902120,602403,4.6,L27.3
N,902089,602453,3.8,L27.4
N,902045,602522,3.8,L27.5
N,902017,602574,4,L27.6
N,901986,602628,4.4,L27.7
N,901944,602696,4.8,L27.8
L28 - SB La Costa Off-Ramp,20,
N,902054,602260,18,L28.1
N,902029,602335,13.6,L28.2
N,902002,602411,9,L28.3
N,901966,602504,4.5,L28.4
N,901950,602541,3.9,L28.5
N,901919,602614,4.2,L28.6
N,901898,602668,4.8,L28.7
B18 - NB Leucadia Bridge,1,2,0,0
902752,600065,52,52,B18.1
902754,600111,53.3,53.3,B18.2
902709,600111,53.7,53.7,B18.3
902702,600140,53.7,53.7,B18.4
902754,600139,53.5,53.5,B18.5
902736,600178,53,53,B18.6
902723,600207,52.5,52.5,B18.7
902691,600279,50,50,B18.8
902675,600322,49,49,B18.9
902662,600370,46,46,B18.10
B19 - 7' Prop Wall NB Side at R12.32,2,2,0,0
902741,600205,52.7,54.8,B19.1
902724,600240,52,54.1,B19.2
902712,600278,50.5,52.6,B19.3
902705,600297,49.3,51.4,B19.4
B57 - Center Divider,3,2,0,0
902747,599830,48.5,49.5,B57.7
902720,599944,48.5,49.5,B57.8
902692,600057,47.5,48.5,B57.9
902662,600181,46,47,B57.10
B58 - Center Divider,4,2,0,0
902662,600181,46,47,B58.1
902633,600297,44.5,45.5,B58.2
902603,600422,43,44,B58.3
902573,600543,41.5,42.5,B58.4
902545,600661,40,41,B58.5
902515,600783,38.5,39.5,B58.6
902485,600907,37,38,B58.7
902458,601015,35.5,36.5,B58.8
902435,601114,33.5,34.5,B58.9
902411,601206,31.5,32.5,B58.10
B9 - NB ROW ST 699 to 706,5,1,0,0
902662,600370,46,46,B9.1
902646,600435,45.1,45.1,B9.2
902626,600506,45.5,45.5,B9.3

902611,600568,46.2,46.2,B9.4
902591,600639,44,44,B9.5
902575,600705,41.5,41.5,B9.6
902547,600807,41,41,B9.7
902531,600867,40.7,40.7,B9.8
902516,600928,40.5,40.5,B9.9
902496,601006,38.8,38.8,B9.10
B10 - NB ROW ST 706 to 711,6,2,0,0
902496,601006,38.8,38.8,B10.1
902488,601061,40,40,B10.2
902478,601123,43,43,B10.3
902470,601172,43.6,43.6,B10.4
902455,601226,42.5,42.5,B10.5
902437,601292,38,38,B10.6
902418,601356,35,35,B10.7
902404,601404,34.2,34.2,B10.8
902390,601464,33,33,B10.9
902370,601543,30,30,B10.10
B11 - Nat Barrier NB Side ST 710,7,2,0,0
902427,601377,34,34,B11.1
902426,601410,38,38,B11.2
902434,601432,42,42,B11.3
902462,601475,48,48,B11.4
902515,601500,53.7,53.7,B11.5
902551,601500,50,50,B11.6
B12 - NB Shoulder,8,2,0,0
902370,601543,30,30,B12.1
902360,601587,29,29,B12.2
902339,601674,28,28,B12.3
902323,601744,27,27,B12.4
902308,601808,24,24,B12.5
902288,601889,18,18,B12.6
902274,601948,14,14,B12.7
902264,602005,13,13,B12.8
902260,602038,12.3,12.3,B12.9
902259,602079,12,12,B12.10
B13 - NB Shoulder of La Costa Off-Ramp,9,2,0,0
902259,602079,12,12,B13.1
902255,602118,12.8,12.8,B13.2
902241,602196,15,15,B13.3
902230,602244,15.5,15.5,B13.4
B59 - Center Divider,10,2,0,0
902411,601206,31.5,32.5,B59.1
902390,601296,29.5,30.5,B59.2
902364,601404,27,28,B59.3
902341,601495,25,26,B59.4
902316,601603,22.5,23.5,B59.5
902289,601716,20,21,B59.6
902262,601825,17.5,18.5,B59.7
902236,601933,15,16,B59.8
902211,602041,12.5,13.5,B59.9
902187,602129,10.5,11.5,B59.10
B60 - Center Divider,11,2,0,0
902187,602129,10.5,11.5,B60.1
902157,602218,8.5,9.5,B60.2
902124,602301,6.5,7.5,B60.3

902085,602378,5,6,B60.4
902034,602471,4.3,5.3,B60.5
901978,602576,4.7,5.7,B60.6
901922,602682,4.9,5.9,B60.7
B30 - 6' Prop Wall NB Side,12,2,0,0
902622,600722,45,46.7,B30.1
902598,600717,45,46.7,B30.2
902589,600759,45,46.7,B30.3
902580,600798,46,47.7,B30.4
902582,600822,46,47.7,B30.5
902577,600850,46,47.7,B30.6
902567,600879,47,48.7,B30.7
902554,600925,47.5,49.2,B30.8
902543,600963,46.5,48.2,B30.9
B31 - 7' Prop Wall NB Side,13,2,0,0
902543,600963,46.5,48.6,B30.9
902534,600991,46,48.1,B31.1
902573,601002,46,48.1,B31.2
B32 - Nat Barrier NB Side ST 712 to 713,14,2,0,0
902401,601583,30,30,B32.1
902407,601610,36,36,B32.2
902414,601625,40,40,B32.3
902424,601644,44,44,B32.4
902436,601666,48,48,B32.5
902479,601676,52,52,B32.6
902446,601682,52,52,B32.7
902438,601719,52,52,B32.8
902432,601760,52,52,B32.9
902453,601777,52,52,B32.10
B33 - Nat Barrier NB Side ST 714,15,2,0,0
902397,601832,44,44,B33.1
902421,601856,54,54,B33.2
902436,601921,54,54,B33.3
R,1,67,4
902798,600161,55.2,R12.31
R,2,67,4
902723,600253,52.5,R12.32
R,3,67,4
902703,600327,49.5,R12.33
R,4,67,4
902623,600641,47.7,R12.34
R,5,67,4
902603,600724,46.5,R12.35
R,6,67,4
902588,600801,47.5,R12.36
R,7,67,4
902581,600868,48,R12.37
R,8,67,4
902544,600980,47.8,R12.38
R,9,67,4
902520,601068,42.2,R12.39
R,10,67,4
902502,601177,46.8,R12.40
R,11,67,4
902549,601217,56.6,R12.41
R,12,67,4

902506,601266,49.8,R12.42
R,13,67,4
902528,601525,52.5,R12.43
R,14,67,4
902483,601616,39,R12.44
R,15,67,4
902487,601637,47.8,R12.45
R,16,67,4
902475,601731,54.9,R12.46
R,17,67,4
902472,601835,56.1,R12.47
R,18,67,4
902370,601873,44.7,R12.48
D,4.5
ALL,ALL
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
12 - LEUCADIA TO LA COSTA - EAST SIDE FUTURE NO-BUILD,

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	-	0.*							B18.1	151.1	
2	-	0.*							B18.2	147.6	
3	-	0.*							B18.3	97.9	
4	-	0.*							B18.4	170.6	
5	-	0.*							B18.5	140.9	
6	-	0.*							B18.6	104.4	
7	-	0.*							B18.7	258.6	
8	-	0.*							B18.8	150.5	
9	-	0.*							B18.9	163.4	
10	-	7.*							B19.1	127.7	
11	-	7.*							B19.2	130.9	
12	-	7.*							B19.3	66.5	
13	-	3.*							B57.7	384.4	
14	-	3.*							B57.8	381.9	
15	-	3.*							B57.9	418.7	
16	-	3.*							B58.1	392.2	
17	-	3.*							B58.2	421.9	
18	-	3.*							B58.3	408.9	
19	-	3.*							B58.4	398.0	
20	-	3.*							B58.5	412.1	
21	-	3.*							B58.6	418.7	
22	-	3.*							B58.7	365.2	
23	-	3.*							B58.8	333.5	
24	-	3.*							B58.9	312.0	
25	-	0.*							B9.1	219.7	
26	-	0.*							B9.2	242.0	
27	-	0.*							B9.3	209.4	
28	-	0.*							B9.4	242.1	
29	-	0.*							B9.5	222.9	
30	-	0.*							B9.6	347.1	
31	-	0.*							B9.7	203.7	
32	-	0.*							B9.8	206.2	
33	-	0.*							B9.9	264.2	
34	-	0.*							B10.1	182.3	
35	-	0.*							B10.2	206.3	
36	-	0.*							B10.3	162.9	
37	-	0.*							B10.4	183.8	
38	-	0.*							B10.5	225.0	

39	-	0.*	B10.6	219.3
40	-	0.*	B10.7	164.0
41	-	0.*	B10.8	202.2
42	-	0.*	B10.9	267.6
43	-	0.*	B11.1	109.1
44	-	0.*	B11.2	77.9
45	-	0.*	B11.3	169.5
46	-	0.*	B11.4	193.2
47	-	0.*	B11.5	118.7
48	-	0.*	B12.1	148.0
49	-	0.*	B12.2	293.7
50	-	0.*	B12.3	235.5
51	-	0.*	B12.4	215.9
52	-	0.*	B12.5	274.4
53	-	0.*	B12.6	199.4
54	-	0.*	B12.7	189.9
55	-	0.*	B12.8	109.1
56	-	0.*	B12.9	134.5
57	-	0.*	B13.1	128.7
58	-	0.*	B13.2	260.1
59	-	0.*	B13.3	161.5
60	-	3.*	B59.1	303.3
61	-	3.*	B59.2	364.5
62	-	3.*	B59.3	308.0
63	-	3.*	B59.4	363.8
64	-	3.*	B59.5	381.3
65	-	3.*	B59.6	368.5
66	-	3.*	B59.7	364.5
67	-	3.*	B59.8	363.8
68	-	3.*	B59.9	299.3
69	-	3.*	B60.1	308.2
70	-	3.*	B60.2	293.1
71	-	3.*	B60.3	283.3
72	-	3.*	B60.4	348.0
73	-	3.*	B60.5	390.4
74	-	3.*	B60.6	393.2
75	-	6.*	B30.1	80.5
76	-	6.*	B30.2	140.9
77	-	6.*	B30.3	131.3
78	-	6.*	B30.4	79.1
79	-	6.*	B30.5	93.4
80	-	6.*	B30.6	100.7
81	-	6.*	B30.7	156.8
82	-	6.*	B30.8	129.9
83	-	7.*	B30.9	96.4
84	-	7.*	B31.1	132.9
85	-	0.*	B32.1	92.9
86	-	0.*	B32.2	55.9

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87    -  0.*                        B32.3      71.6
88    -  0.*                        B32.4      83.2
89    -  0.*                        B32.5     145.5
90    -  0.*                        B32.6     110.1
91    -  0.*                        B32.7     124.2
92    -  0.*                        B32.8     135.9
93    -  0.*                        B32.9      88.7

94    -  0.*                        B33.1     116.1
95    -  0.*                        B33.2     218.8
-------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
---------------------------------
 1  REC 1     67.    500.   67.7
 2  REC 2     67.    500.   66.7
 3  REC 3     67.    500.   71.1
 4  R12.34    67.    500.   70.8
 5  R12.35    67.    500.   71.0
 6  R12.36    67.    500.   70.7
 7  R12.37    67.    500.   69.6
 8  R12.38    67.    500.   68.5
 9  R12.39    67.    500.   70.5
10  R12.40    67.    500.   69.2
11  R12.41    67.    500.   67.5
12  R12.42    67.    500.   68.8
13  R12.43    67.    500.   64.9
14  R12.44    67.    500.   62.8
15  R12.45    67.    500.   64.4
16  R12.46    67.    500.   63.3
17  R12.47    67.    500.   64.2
18  R12.48    67.    500.   70.3
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 0. 0. 0. 0. 0. 0. 0. 0. 0. 7. 7. 7. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 0.
 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 6.
 6. 6. 6. 6. 6. 6. 6. 7. 7. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
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12 - Leucadia to La Costa EAST Side - Build,BLD,Ft,
T-L21 - NB Leucadia Off-ramp,1
950,45,24,45,26,45
T-L22 - SB Leucadia On-ramp,2
950,45,24,45,26,45
T-L24 - SB Leucadia Off-ramp,3
950,45,24,45,26,45
T-L23 - NB Leucadia On-ramp,4
950,45,24,45,26,45
T-L4 - SB General Lanes - Outer,5
3052,65,122,65,426,65
T-L14 - SB General Lanes - Inner,6
5217,65,183,65,0,65
T-L54 - SB HOV Lanes,7
3000,65,0,65,0,65
T-L53 - NB HOV Lanes,8
3000,65,0,65,0,65,
T-L13 - NB General Lanes - Inner,9,
5217,65,183,65,0,65,
T-L3 - NB General Lanes - Outer,10,
3052,65,122,65,426,65,
T-L6 - SB General Lanes - Outer,11,
3052,65,122,65,426,65,
T-L16 - SB General Lanes - Inner,12,
5217,65,183,65,0,65,
T-L56 - SB HOV Lanes,13,
3000,65,0,65,0,65,
T-L55 - NB HOV Lanes,14,
3000,65,0,65,0,65,
T-L15 - NB General Lanes - Inner,15,
5217,65,183,65,0,65,
T-L5 - NB General Lanes - Outer,16,
3052,65,122,65,426,65
T-L26 - SB La Costa On-Ramp,17
950,45,24,45,26,45
T-L25 - NB La Costa Off-Ramp,18
950,45,24,45,26,45
T-L27 - NB La Costa On-Ramp,19
950,45,24,45,26,45
T-L28 - SB La Costa Off-Ramp,20
950,45,24,45,26,45
L21 - NB Leucadia Off-ramp,1
N,902813,599676,46.8,L21.1,
N,902805,599723,47.1,L21.2,
N,902794,599780,47.8,L21.3,
N,902786,599823,48,L21.4,
N,902777,599883,48.1,L21.5,
N,902765,599963,49.6,L21.6,
N,902760,600002,50.7,L21.7
N,902764,600062,51.8,L21.8
N,902766,600120,53.9,L21.9
L22 - SB Leucadia On-ramp,2,
N,902783,599567,45.8,L22.1
N,902769,599610,46.1,L22.2
N,902754,599668,46.9,L22.3
N,902738,599726,47.2,L22.4

N,902717,599801,47.8,L22.5
N,902706,599841,47.9,L22.6
N,902685,599898,47.7,L22.7
N,902663,599953,48.1,L22.8
N,902641,600011,50.1,L22.9
N,902629,600047,52,L22.10
N,902613,600106,53.9,L22.11
L24 - SB Leucadia Off-ramp,3,
N,902606,600148,53.7,L24.1
N,902600,600207,50.8,L24.2
N,902589,600267,46.8,L24.3
N,902582,600326,44,L24.4
N,902570,600385,42.5,L24.5
N,902563,600445,41.9,L24.6
N,902554,600504,41.6,L24.7
N,902546,600540,41.3,L24.8
L23 - NB Leucadia On-ramp,4,
N,902763,600132,53.5,L23.1
N,902756,600149,53.2,L23.2
N,902745,600168,52.6,L23.3
N,902710,600215,49.4,L23.4
N,902694,600251,46.8,L23.5
N,902676,600308,44.1,L23.6
N,902656,600366,43,L23.7
N,902639,600421,42.4,L23.8
N,902619,600499,41.5,L23.9
N,902603,600558,41.3,L23.10
N,902571,600668,39.8,L23.11
L4 - SB General Lanes - Outer,5,
N,902742,599738,47.8,L4.1
N,902724,599817,48.3,L4.2
N,902697,599932,48.3,L4.3
N,902668,600051,47.3,L4.4
N,902637,600175,45.7,L4.5
N,902609,600291,44.3,L4.6
N,902578,600418,42.7,L4.7
N,902546,600540,41.3,L4.8
N,902518,600655,39.8,L4.9
N,902489,600777,38.3,L4.10
N,902459,600901,36.8,L4.11
N,902432,601010,35.5,L4.12
N,902408,601107,33.3,L4.13
N,902385,601199,31.3,L4.14
N,902364,601289,29.3,L4.15
L14 - SB General Lanes - Inner,6,
N,902749,599740,47.8,L14.1
N,902731,599819,48.3,L14.2
N,902703,599935,48.3,L14.3
N,902674,600053,47.3,L14.4
N,902644,600177,45.7,L14.5
N,902615,600293,44.3,L14.6
N,902584,600420,42.7,L14.7
N,902556,600542,41.3,L14.8
N,902527,600657,39.8,L14.9
N,902497,600779,38.3,L14.10
N,902467,600902,36.8,L14.11

N,902440,601012,35.5,L14.12
N,902417,601109,33.3,L14.13
N,902394,601202,31.3,L14.14
N,902372,601291,29.3,L14.15
L54 - SB HOV Lanes,7,
N,902759,599742,48,L54.1
N,902740,599823,48.5,L54.2
N,902712,599939,48.5,L54.3
N,902684,600056,47.5,L54.4
N,902653,600179,46,L54.5
N,902625,600294,44.5,L54.6
N,902594,600423,43,L54.7
N,902564,600544,41.5,L54.8
N,902537,600659,40,L54.9
N,902507,600781,38.5,L54.10
N,902477,600904,37,L54.11
N,902449,601015,35.5,L54.12
N,902427,601113,33.5,L54.13
N,902404,601205,31.5,L54.14
N,902382,601293,29.5,L54.15
L53 - NB HOV Lanes,8,
N,902774,599752,48,L53.1
N,902755,599832,48.5,L53.2
N,902727,599945,48.5,L53.3
N,902700,600058,47.5,L53.4
N,902670,600182,46,L53.5
N,902641,600298,44.5,L53.6
N,902611,600423,43,L53.7
N,902582,600543,41.5,L53.8
N,902553,600663,40,L53.9
N,902524,600786,38.5,L53.10
N,902494,600909,37,L53.11
N,902467,601016,35.5,L53.12
N,902442,601116,33.5,L53.13
N,902420,601207,31.5,L53.14
N,902398,601296,29.5,L53.15
L13 - NB General Lanes - Inner,9,
N,902784,599756,47.8,L13.1
N,902764,599835,48.3,L13.2
N,902737,599948,48.3,L13.3
N,902710,600061,47.3,L13.4
N,902681,600184,45.7,L13.5
N,902651,600301,44.3,L13.6
N,902621,600426,42.7,L13.7
N,902591,600546,41.3,L13.8
N,902563,600665,39.8,L13.9
N,902533,600787,38.3,L13.10
N,902502,600911,36.8,L13.11
N,902475,601018,35.5,L13.12
N,902452,601118,33.3,L13.13
N,902430,601209,31.3,L13.14
N,902408,601298,29.3,L13.15
L3 - NB General Lanes - Outer,10,
N,902790,599758,47.8,L3.1
N,902771,599836,48.3,L3.2
N,902743,599949,48.3,L3.3

N,902716,600063,47.3,L3.4
N,902687,600185,45.7,L3.5
N,902657,600303,44.3,L3.6
N,902628,600429,42.7,L3.7
N,902600,600549,41.3,L3.8
N,902571,600668,39.8,L3.9
N,902542,600790,38.3,L3.10
N,902510,600914,36.8,L3.11
N,902485,601022,35.5,L3.12
N,902460,601120,33.3,L3.13
N,902439,601212,31.3,L3.14
N,902417,601300,29.3,L3.15
L6 - SB General Lanes - Outer,11,
N,902364,601289,29.3,L6.1
N,902338,601398,26.8,L6.2
N,902316,601489,24.8,L6.3
N,902289,601596,22.3,L6.4
N,902265,601707,19.8,L6.5
N,902237,601818,17.3,L6.6
N,902211,601928,14.8,L6.7
N,902183,602034,12.3,L6.8
N,902162,602122,10.3,L6.9
N,902134,602205,8.3,L6.10
N,902100,602285,6.2,L6.11
N,902061,602363,4.8,L6.12
N,902011,602457,4.2,L6.13
N,901955,602562,4.5,L6.14
N,901898,602668,4.8,L6.15
L16 - SB General Lanes - Inner,12,
N,902372,601291,29.3,L16.1
N,902346,601400,26.8,L16.2
N,902323,601491,24.8,L16.3
N,902298,601599,22.3,L16.4
N,902272,601709,19.8,L16.5
N,902245,601821,17.3,L16.6
N,902218,601930,14.8,L16.7
N,902192,602036,12.3,L16.8
N,902169,602124,10.3,L16.9
N,902140,602209,8.3,L16.10
N,902109,602290,6.2,L16.11
N,902069,602367,4.8,L16.12
N,902019,602462,4.2,L16.13
N,901962,602567,4.5,L16.14
N,901906,602672,4.8,L16.15
L56 - SB HOV Lanes,13,
N,902382,601293,29.5,L56.1
N,902355,601405,27,L56.2
N,902333,601494,25,L56.3
N,902308,601602,22.5,L56.4
N,902282,601713,20,L56.5
N,902255,601824,17.5,L56.6
N,902228,601932,15,L56.7
N,902201,602039,12.5,L56.8
N,902180,602127,10.5,L56.9
N,902151,602213,8.5,L56.10
N,902117,602294,6.5,L56.11

N,902077,602372,5,L56.12
N,902028,602467,4.3,L56.13
N,901971,602571,4.7,L56.14
N,901915,602676,4.9,L56.15
L55 - NB HOV Lanes,14,
N,902398,601296,29.5,L55.1
N,902373,601403,27,L55.2
N,902351,601494,25,L55.3
N,902324,601604,22.5,L55.4
N,902299,601714,20,L55.5
N,902270,601826,17.5,L55.6
N,902245,601933,15,L55.7
N,902219,602044,12.5,L55.8
N,902195,602133,10.5,L55.9
N,902164,602226,8.5,L55.10
N,902130,602306,6.5,L55.11
N,902092,602382,5,L55.12
N,902041,602474,4.3,L55.13
N,901986,602580,4.7,L55.14
N,901929,602686,4.9,L55.15
L15 - NB General Lanes - Inner,15,
N,902408,601298,29.3,L15.1
N,902382,601406,26.8,L15.2
N,902359,601496,24.8,L15.3
N,902333,601606,22.3,L15.4
N,902309,601716,19.8,L15.5
N,902280,601828,17.3,L15.6
N,902254,601933,14.8,L15.7
N,902227,602045,12.4,L15.8
N,902204,602137,10.7,L15.9
N,902173,602231,8.7,L15.10
N,902138,602311,6.7,L15.11
N,902100,602387,5.1,L15.12
N,902051,602480,4.2,L15.13
N,901993,602585,4.5,L15.14
N,901937,602691,4.8,L15.15
L5 - NB General Lanes - Outer,16,
N,902417,601300,29.3,L5.1
N,902390,601408,26.8,L5.2
N,902369,601498,24.8,L5.3
N,902342,601609,22.3,L5.4
N,902316,601718,19.8,L5.5
N,902289,601831,17.3,L5.6
N,902264,601936,14.8,L5.7
N,902236,602048,12.4,L5.8
N,902212,602141,10.7,L5.9
N,902181,602234,8.7,L5.10
N,902146,602314,6.7,L5.11
N,902108,602391,5.1,L5.12
N,902057,602485,4.2,L5.13
N,902000,602590,4.5,L5.14
N,901944,602696,4.8,L5.15
L26 - SB La Costa On-Ramp,17,
N,902265,601707,19.8,L26.1
N,902229,601825,16.9,L26.2
N,902209,601901,15,L26.3

N,902192,601960,13.6,L26.4
N,902163,602033,11.8,L26.5
N,902145,602070,12.3,L26.6
N,902097,602161,17.4,L26.7
N,902072,602211,19.2,L26.8
L25 - NB La Costa Off-Ramp,18,
N,902289,601831,17.3,L25.1
N,902274,601917,15,L25.2
N,902265,601977,13.5,L25.3
N,902256,602036,12.3,L25.4
N,902253,602077,12,L25.5
N,902247,602116,12.8,L25.6
N,902234,602194,15,L25.7
N,902223,602241,15.5,L25.8
L27 - NB La Costa On-Ramp,19,
N,902201,602284,13.5,L27.1
N,902153,602352,7.3,L27.2
N,902120,602403,4.6,L27.3
N,902089,602453,3.8,L27.4
N,902045,602522,3.8,L27.5
N,902017,602574,4,L27.6
N,901986,602628,4.4,L27.7
N,901944,602696,4.8,L27.8
L28 - SB La Costa Off-Ramp,20,
N,902054,602260,18,L28.1,
N,902029,602335,13.6,L28.2,
N,902002,602411,9,L28.3,
N,901966,602504,4.5,L28.4,
N,901950,602541,3.9,L28.5,
N,901919,602614,4.2,L28.6,
N,901898,602668,4.8,L28.7,
B18 - NB Leucadia Bridge,1,2,0,0,
902759,599962,49.6,49.6,B18.1A,
902752,600065,52,52,B18.1,
902754,600111,53.3,53.3,B18.2,
902709,600111,53.7,53.7,B18.3,
902702,600140,53.7,53.7,B18.4,
902754,600139,53.5,53.5,B18.5,
B118 - NB Leucadia Bridge,2,2,0,0,
902766,600141,53.4,54.3,B118.1,
902761,600152,53.3,54.2,B118.2,
902748,600171,52.9,53.8,B118.3,
902733,600192,52.7,53.6,B118.4,
902719,600222,52.2,53.1,B118.5,
902703,600255,51.1,52,B118.6,
902680,600311,48.6,49.5,B118.7,
902662,600370,46,46.9,B118.8,
B19 - 7' Prop Wall NB Side at R12.32,3,2,0,0,
902741,600205,52.7,54.8,B19.1,
902724,600240,52,54.1,B19.2,
902712,600278,50.5,52.6,B19.3,
902705,600297,49.3,51.4,B19.4,
B57 - Center Divider,4,2,0,0,
902747,599830,48.5,49.5,B57.7,
902720,599944,48.5,49.5,B57.8,
902692,600057,47.5,48.5,B57.9,

902662,600181,46,47,B57.10,
B58 - Center Divider,5,2,0,0,
902662,600181,46,47,B58.1,
902633,600297,44.5,45.5,B58.2,
902603,600422,43,44,B58.3,
902573,600543,41.5,42.5,B58.4,
902545,600661,40,41,B58.5,
902515,600783,38.5,39.5,B58.6,
902485,600907,37,38,B58.7,
902458,601015,35.5,36.5,B58.8,
902435,601114,33.5,34.5,B58.9,
902411,601206,31.5,32.5,B58.10,
B9 - NB ROW ST 699 to 706,6,2,0,0,
902662,600370,46,46.9,B9.1,
902646,600435,45.1,46,B9.2,
902626,600506,45.5,46.4,B9.3,
902611,600568,46.2,47.1,B9.4,
902591,600639,44,44.9,B9.5,
902575,600705,41.5,42.4,B9.6,
902547,600807,41,41.9,B9.7,
902531,600867,40.7,41.6,B9.8,
902516,600928,40.5,41.4,B9.9,
902496,601006,38.8,39.7,B9.10,
B10 - NB ROW ST 706 to 711,7,2,0,0,
902496,601006,38.8,39.7,B10.1,
902488,601061,40,40.9,B10.2,
902478,601123,43,43.9,B10.3,
902470,601172,43.6,44.5,B10.4,
902455,601226,42.5,43.4,B10.5,
902437,601292,38,38.9,B10.6,
902418,601356,35,35.9,B10.7,
902404,601404,34.2,35.1,B10.8,
902404,601404,34.2,34.2,B10.8,
902390,601464,33,33,B10.9,
902370,601543,30,30,B10.10,
B11 - Nat Barrier NB Side ST 710,8,2,0,0,
902427,601377,34,34,B11.1,
902426,601410,38,38,B11.2,
902434,601432,42,42,B11.3,
902462,601475,48,48,B11.4,
902515,601500,53.7,53.7,B11.5,
902551,601500,50,50,B11.6,
B12 - NB Shoulder,9,2,0,0,
902370,601543,30,30,B12.1,
902360,601587,29,29,B12.2,
902339,601674,28,28,B12.3,
902323,601744,27,27,B12.4,
902308,601808,24,24,B12.5,
902288,601889,18,18,B12.6,
902274,601948,14,14,B12.7,
902264,602005,13,13,B12.8,
902260,602038,12.3,12.3,B12.9,
902259,602079,12,12,B12.10,
B13 - NB Shoulder of La Costa Off-Ramp,10,2,0,0,
902259,602079,12,12,B13.1,
902255,602118,12.8,12.8,B13.2,

902241,602196,15,15,B13.3,
902230,602244,15.5,15.5,B13.4,
B59 - Center Divider,11,2,0,0,
902411,601206,31.5,32.5,B59.1,
902390,601296,29.5,30.5,B59.2,
902364,601404,27,28,B59.3,
902341,601495,25,26,B59.4,
902316,601603,22.5,23.5,B59.5,
902289,601716,20,21,B59.6,
902262,601825,17.5,18.5,B59.7,
902236,601933,15,16,B59.8,
902211,602041,12.5,13.5,B59.9,
902187,602129,10.5,11.5,B59.10,
B60 - Center Divider,12,2,0,0,
902187,602129,10.5,11.5,B60.1,
902157,602218,8.5,9.5,B60.2,
902124,602301,6.5,7.5,B60.3,
902085,602378,5,6,B60.4,
902034,602471,4.3,5.3,B60.5,
901978,602576,4.7,5.7,B60.6,
901922,602682,4.9,5.9,B60.7,
B30 - 6' Prop Wall NB Side,13,2,0,0,
902622,600722,45,46.83,B30.1,
902598,600717,45,46.83,B30.2,
902589,600759,45,46.83,B30.3,
902580,600798,46,47.83,B30.4,
902582,600822,46,47.83,B30.5,
902577,600850,46,47.83,B30.6,
902567,600879,47,48.83,B30.7,
902554,600925,47.5,49.33,B30.8,
902543,600963,46.5,48.33,B30.9,
B31 - 7' Prop Wall NB Side,14,2,0,0,
902543,600963,46.5,48.6,B30.9,
902534,600991,46,48.1,B31.1,
902573,601002,46,48.1,B31.2,
B32 - Nat Barrier NB Side ST 712 to 713,15,2,0,0,
902401,601583,30,30,B32.1,
902407,601610,36,36,B32.2,
902414,601625,40,40,B32.3,
902424,601644,44,44,B32.4,
902436,601666,48,48,B32.5,
902479,601676,52,52,B32.6,
902446,601682,52,52,B32.7,
902438,601719,52,52,B32.8,
902432,601760,52,52,B32.9,
902453,601777,52,52,B32.10,
B33 - Nat Barrier NB Side ST 714,16,2,0,0,
902397,601832,44,44,B33.1,
902421,601856,54,54,B33.2,
902436,601921,54,54,B33.3,
R,1,67,4
902798,600161,55.2,R12.31
R,2,67,4
902723,600253,52.5,R12.32
R,3,67,4
902703,600327,49.5,R12.33

R,4,67,4
902623,600641,47.7,R12.34
R,5,67,4
902603,600724,46.5,R12.35
R,6,67,4
902588,600801,47.5,R12.36
R,7,67,4
902581,600868,48,R12.37
R,8,67,4
902544,600980,47.8,R12.38
R,9,67,4
902520,601068,42.2,R12.39
R,10,67,4
902502,601177,46.8,R12.40
R,11,67,4
902549,601217,56.6,R12.41
R,12,67,4
902506,601266,49.8,R12.42
R,13,67,
902528,601525,52.5,R12.43
R,14,67,
902483,601616,39,R12.44
R,15,67,
902487,601637,47.8,R12.45
R,16,67,4
902475,601731,54.9,R12.46
R,17,67,
902472,601835,56.1,R12.47
R,18,67,4
902370,601873,44.7,R12.48
D,4.5
ALL,ALL
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
12 - LEUCADIA TO LA COSTA EAST SIDE - BUILD,BLD,FT,

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	- 0.*								B18.1A	338.8	
2	- 0.*								B18.1	151.1	
3	- 0.*								B18.2	147.6	
4	- 0.*								B18.3	97.9	
5	- 0.*								B18.4	170.6	
6	- 3.*								B118.1	39.7	
7	- 3.*								B118.2	75.6	
8	- 3.*								B118.3	84.7	
9	- 3.*								B118.4	108.6	
10	- 3.*								B118.5	120.4	
11	- 3.*								B118.6	198.7	
12	- 3.*								B118.7	202.5	
13	- 7.*								B19.1	127.7	
14	- 7.*								B19.2	130.9	
15	- 7.*								B19.3	66.5	
16	- 3.*								B57.7	384.4	
17	- 3.*								B57.8	381.9	
18	- 3.*								B57.9	418.7	
19	- 3.*								B58.1	392.2	
20	- 3.*								B58.2	421.9	
21	- 3.*								B58.3	408.9	
22	- 3.*								B58.4	398.0	
23	- 3.*								B58.5	412.1	
24	- 3.*								B58.6	418.7	
25	- 3.*								B58.7	365.2	
26	- 3.*								B58.8	333.5	
27	- 3.*								B58.9	312.0	
28	- 3.*								B9.1	219.7	
29	- 3.*								B9.2	242.0	
30	- 3.*								B9.3	209.4	
31	- 3.*								B9.4	242.1	
32	- 3.*								B9.5	222.9	
33	- 3.*								B9.6	347.1	
34	- 3.*								B9.7	203.7	
35	- 3.*								B9.8	206.2	
36	- 3.*								B9.9	264.2	
37	- 3.*								B10.1	182.4	

38	-	3.*	B10.2	206.3
39	-	3.*	B10.3	162.9
40	-	3.*	B10.4	183.8
41	-	3.*	B10.5	225.0
42	-	3.*	B10.6	219.3
43	-	3.*	B10.7	164.0
44	-	2.*	B10.8	3.0
45	-	0.*	B10.8	202.2
46	-	0.*	B10.9	267.6
47	-	0.*	B11.1	109.1
48	-	0.*	B11.2	77.9
49	-	0.*	B11.3	169.5
50	-	0.*	B11.4	193.2
51	-	0.*	B11.5	118.7
52	-	0.*	B12.1	148.0
53	-	0.*	B12.2	293.7
54	-	0.*	B12.3	235.5
55	-	0.*	B12.4	215.9
56	-	0.*	B12.5	274.4
57	-	0.*	B12.6	199.4
58	-	0.*	B12.7	189.9
59	-	0.*	B12.8	109.1
60	-	0.*	B12.9	134.5
61	-	0.*	B13.1	128.7
62	-	0.*	B13.2	260.1
63	-	0.*	B13.3	161.5
64	-	3.*	B59.1	303.3
65	-	3.*	B59.2	364.5
66	-	3.*	B59.3	308.0
67	-	3.*	B59.4	363.8
68	-	3.*	B59.5	381.3
69	-	3.*	B59.6	368.5
70	-	3.*	B59.7	364.5
71	-	3.*	B59.8	363.8
72	-	3.*	B59.9	299.3
73	-	3.*	B60.1	308.2
74	-	3.*	B60.2	293.1
75	-	3.*	B60.3	283.3
76	-	3.*	B60.4	348.0
77	-	3.*	B60.5	390.4
78	-	3.*	B60.6	393.2
79	-	6.*	B30.1	80.5
80	-	6.*	B30.2	140.9
81	-	6.*	B30.3	131.3
82	-	6.*	B30.4	79.1
83	-	6.*	B30.5	93.4
84	-	6.*	B30.6	100.7
85	-	6.*	B30.7	156.8
86	-	6.*	B30.8	129.9

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87    -  7.*                        B30.9      96.4
88    -  7.*                        B31.1     132.9

89    -  0.*                        B32.1      92.9
90    -  0.*                        B32.2      55.9
91    -  0.*                        B32.3      71.6
92    -  0.*                        B32.4      83.2
93    -  0.*                        B32.5     145.5
94    -  0.*                        B32.6     110.1
95    -  0.*                        B32.7     124.2
96    -  0.*                        B32.8     135.9
97    -  0.*                        B32.9      88.7

98    -  0.*                        B33.1     116.1
99    -  0.*                        B33.2     218.8
--------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
 REC REC ID    DNL  PEOPLE   LEQ(CAL)
 ---------------------------------
  1  R12.31    67.    500.   69.8
  2  R12.32    67.    500.   69.1
  3  R12.33    67.    500.   72.9
  4  R12.34    67.    500.   74.1
  5  R12.35    67.    500.   73.2
  6  R12.36    67.    500.   72.5
  7  R12.37    67.    500.   71.5
  8  R12.38    67.    500.   71.2
  9  R12.39    67.    500.   71.4
 10  R12.40    67.    500.   70.1
 11  R12.41    67.    500.   68.8
 12  R12.42    67.    500.   69.9
 13  R12.43    67.    500.   66.4
 14  R12.44    67.    500.   64.5
 15  R12.45    67.    500.   65.9
 16  R12.46    67.    500.   65.6
 17  R12.47    67.    500.   65.9
 18  R12.48    67.    500.   72.5
 BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
  0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 7. 7. 7. 3. 3. 3. 3. 3. 3. 3. 3. 3.
  3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 2. 0. 0. 0. 0. 0.
  0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
  3. 3. 3. 6. 6. 6. 6. 6. 6. 6. 6. 7. 7. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
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12 - Leucadia to La Costa EAST Side - DGN,DGN,Ft,
T-L21 - NB Leucadia Off-ramp,1
950,45,24,45,26,45
T-L22 - SB Leucadia On-ramp,2
950,45,24,45,26,45
T-L24 - SB Leucadia Off-ramp,3
950,45,24,45,26,45
T-L23 - NB Leucadia On-ramp,4
950,45,24,45,26,45
T-L4 - SB General Lanes - Outer,5
3052,65,122,65,426,65
T-L14 - SB General Lanes - Inner,6
5217,65,183,65,0,65
T-L54 - SB HOV Lanes,7
3000,65,0,65,0,65
T-L53 - NB HOV Lanes,8
3000,65,0,65,0,65,
T-L13 - NB General Lanes - Inner,9,
5217,65,183,65,0,65,
T-L3 - NB General Lanes - Outer,10,
3052,65,122,65,426,65,
T-L6 - SB General Lanes - Outer,11,
3052,65,122,65,426,65,
T-L16 - SB General Lanes - Inner,12,
5217,65,183,65,0,65,
T-L56 - SB HOV Lanes,13,
3000,65,0,65,0,65,
T-L55 - NB HOV Lanes,14,
3000,65,0,65,0,65,
T-L15 - NB General Lanes - Inner,15,
5217,65,183,65,0,65,
T-L5 - NB General Lanes - Outer,16,
3052,65,122,65,426,65
T-L26 - SB La Costa On-Ramp,17
950,45,24,45,26,45
T-L25 - NB La Costa Off-Ramp,18
950,45,24,45,26,45
T-L27 - NB La Costa On-Ramp,19
950,45,24,45,26,45
T-L28 - SB La Costa Off-Ramp,20
950,45,24,45,26,45
L21 - NB Leucadia Off-ramp,1
N,902813,599676,46.8,L21.1,
N,902805,599723,47.1,L21.2,
N,902794,599780,47.8,L21.3,
N,902786,599823,48,L21.4,
N,902777,599883,48.1,L21.5,
N,902765,599963,49.6,L21.6,
N,902760,600002,50.7,L21.7
N,902764,600062,51.8,L21.8
N,902766,600120,53.9,L21.9
L22 - SB Leucadia On-ramp,2,
N,902783,599567,45.8,L22.1
N,902769,599610,46.1,L22.2
N,902754,599668,46.9,L22.3
N,902738,599726,47.2,L22.4

N,902717,599801,47.8,L22.5
N,902706,599841,47.9,L22.6
N,902685,599898,47.7,L22.7
N,902663,599953,48.1,L22.8
N,902641,600011,50.1,L22.9
N,902629,600047,52,L22.10
N,902613,600106,53.9,L22.11
L24 - SB Leucadia Off-ramp,3,
N,902606,600148,53.7,L24.1
N,902600,600207,50.8,L24.2
N,902589,600267,46.8,L24.3
N,902582,600326,44,L24.4
N,902570,600385,42.5,L24.5
N,902563,600445,41.9,L24.6
N,902554,600504,41.6,L24.7
N,902546,600540,41.3,L24.8
L23 - NB Leucadia On-ramp,4,
N,902763,600132,53.5,L23.1
N,902756,600149,53.2,L23.2
N,902745,600168,52.6,L23.3
N,902710,600215,49.4,L23.4
N,902694,600251,46.8,L23.5
N,902676,600308,44.1,L23.6
N,902656,600366,43,L23.7
N,902639,600421,42.4,L23.8
N,902619,600499,41.5,L23.9
N,902603,600558,41.3,L23.10
N,902571,600668,39.8,L23.11
L4 - SB General Lanes - Outer,5,
N,902742,599738,47.8,L4.1
N,902724,599817,48.3,L4.2
N,902697,599932,48.3,L4.3
N,902668,600051,47.3,L4.4
N,902637,600175,45.7,L4.5
N,902609,600291,44.3,L4.6
N,902578,600418,42.7,L4.7
N,902546,600540,41.3,L4.8
N,902518,600655,39.8,L4.9
N,902489,600777,38.3,L4.10
N,902459,600901,36.8,L4.11
N,902432,601010,35.5,L4.12
N,902408,601107,33.3,L4.13
N,902385,601199,31.3,L4.14
N,902364,601289,29.3,L4.15
L14 - SB General Lanes - Inner,6,
N,902749,599740,47.8,L14.1
N,902731,599819,48.3,L14.2
N,902703,599935,48.3,L14.3
N,902674,600053,47.3,L14.4
N,902644,600177,45.7,L14.5
N,902615,600293,44.3,L14.6
N,902584,600420,42.7,L14.7
N,902556,600542,41.3,L14.8
N,902527,600657,39.8,L14.9
N,902497,600779,38.3,L14.10
N,902467,600902,36.8,L14.11

N,902440,601012,35.5,L14.12
N,902417,601109,33.3,L14.13
N,902394,601202,31.3,L14.14
N,902372,601291,29.3,L14.15
L54 - SB HOV Lanes,7,
N,902759,599742,48,L54.1
N,902740,599823,48.5,L54.2
N,902712,599939,48.5,L54.3
N,902684,600056,47.5,L54.4
N,902653,600179,46,L54.5
N,902625,600294,44.5,L54.6
N,902594,600423,43,L54.7
N,902564,600544,41.5,L54.8
N,902537,600659,40,L54.9
N,902507,600781,38.5,L54.10
N,902477,600904,37,L54.11
N,902449,601015,35.5,L54.12
N,902427,601113,33.5,L54.13
N,902404,601205,31.5,L54.14
N,902382,601293,29.5,L54.15
L53 - NB HOV Lanes,8,
N,902774,599752,48,L53.1
N,902755,599832,48.5,L53.2
N,902727,599945,48.5,L53.3
N,902700,600058,47.5,L53.4
N,902670,600182,46,L53.5
N,902641,600298,44.5,L53.6
N,902611,600423,43,L53.7
N,902582,600543,41.5,L53.8
N,902553,600663,40,L53.9
N,902524,600786,38.5,L53.10
N,902494,600909,37,L53.11
N,902467,601016,35.5,L53.12
N,902442,601116,33.5,L53.13
N,902420,601207,31.5,L53.14
N,902398,601296,29.5,L53.15
L13 - NB General Lanes - Inner,9,
N,902784,599756,47.8,L13.1
N,902764,599835,48.3,L13.2
N,902737,599948,48.3,L13.3
N,902710,600061,47.3,L13.4
N,902681,600184,45.7,L13.5
N,902651,600301,44.3,L13.6
N,902621,600426,42.7,L13.7
N,902591,600546,41.3,L13.8
N,902563,600665,39.8,L13.9
N,902533,600787,38.3,L13.10
N,902502,600911,36.8,L13.11
N,902475,601018,35.5,L13.12
N,902452,601118,33.3,L13.13
N,902430,601209,31.3,L13.14
N,902408,601298,29.3,L13.15
L3 - NB General Lanes - Outer,10,
N,902790,599758,47.8,L3.1
N,902771,599836,48.3,L3.2
N,902743,599949,48.3,L3.3

N,902716,600063,47.3,L3.4
N,902687,600185,45.7,L3.5
N,902657,600303,44.3,L3.6
N,902628,600429,42.7,L3.7
N,902600,600549,41.3,L3.8
N,902571,600668,39.8,L3.9
N,902542,600790,38.3,L3.10
N,902510,600914,36.8,L3.11
N,902485,601022,35.5,L3.12
N,902460,601120,33.3,L3.13
N,902439,601212,31.3,L3.14
N,902417,601300,29.3,L3.15
L6 - SB General Lanes - Outer,11,
N,902364,601289,29.3,L6.1
N,902338,601398,26.8,L6.2
N,902316,601489,24.8,L6.3
N,902289,601596,22.3,L6.4
N,902265,601707,19.8,L6.5
N,902237,601818,17.3,L6.6
N,902211,601928,14.8,L6.7
N,902183,602034,12.3,L6.8
N,902162,602122,10.3,L6.9
N,902134,602205,8.3,L6.10
N,902100,602285,6.2,L6.11
N,902061,602363,4.8,L6.12
N,902011,602457,4.2,L6.13
N,901955,602562,4.5,L6.14
N,901898,602668,4.8,L6.15
L16 - SB General Lanes - Inner,12,
N,902372,601291,29.3,L16.1
N,902346,601400,26.8,L16.2
N,902323,601491,24.8,L16.3
N,902298,601599,22.3,L16.4
N,902272,601709,19.8,L16.5
N,902245,601821,17.3,L16.6
N,902218,601930,14.8,L16.7
N,902192,602036,12.3,L16.8
N,902169,602124,10.3,L16.9
N,902140,602209,8.3,L16.10
N,902109,602290,6.2,L16.11
N,902069,602367,4.8,L16.12
N,902019,602462,4.2,L16.13
N,901962,602567,4.5,L16.14
N,901906,602672,4.8,L16.15
L56 - SB HOV Lanes,13,
N,902382,601293,29.5,L56.1
N,902355,601405,27,L56.2
N,902333,601494,25,L56.3
N,902308,601602,22.5,L56.4
N,902282,601713,20,L56.5
N,902255,601824,17.5,L56.6
N,902228,601932,15,L56.7
N,902201,602039,12.5,L56.8
N,902180,602127,10.5,L56.9
N,902151,602213,8.5,L56.10
N,902117,602294,6.5,L56.11

N,902077,602372,5,L56.12
N,902028,602467,4.3,L56.13
N,901971,602571,4.7,L56.14
N,901915,602676,4.9,L56.15
L55 - NB HOV Lanes,14,
N,902398,601296,29.5,L55.1
N,902373,601403,27,L55.2
N,902351,601494,25,L55.3
N,902324,601604,22.5,L55.4
N,902299,601714,20,L55.5
N,902270,601826,17.5,L55.6
N,902245,601933,15,L55.7
N,902219,602044,12.5,L55.8
N,902195,602133,10.5,L55.9
N,902164,602226,8.5,L55.10
N,902130,602306,6.5,L55.11
N,902092,602382,5,L55.12
N,902041,602474,4.3,L55.13
N,901986,602580,4.7,L55.14
N,901929,602686,4.9,L55.15
L15 - NB General Lanes - Inner,15,
N,902408,601298,29.3,L15.1
N,902382,601406,26.8,L15.2
N,902359,601496,24.8,L15.3
N,902333,601606,22.3,L15.4
N,902309,601716,19.8,L15.5
N,902280,601828,17.3,L15.6
N,902254,601933,14.8,L15.7
N,902227,602045,12.4,L15.8
N,902204,602137,10.7,L15.9
N,902173,602231,8.7,L15.10
N,902138,602311,6.7,L15.11
N,902100,602387,5.1,L15.12
N,902051,602480,4.2,L15.13
N,901993,602585,4.5,L15.14
N,901937,602691,4.8,L15.15
L5 - NB General Lanes - Outer,16,
N,902417,601300,29.3,L5.1
N,902390,601408,26.8,L5.2
N,902369,601498,24.8,L5.3
N,902342,601609,22.3,L5.4
N,902316,601718,19.8,L5.5
N,902289,601831,17.3,L5.6
N,902264,601936,14.8,L5.7
N,902236,602048,12.4,L5.8
N,902212,602141,10.7,L5.9
N,902181,602234,8.7,L5.10
N,902146,602314,6.7,L5.11
N,902108,602391,5.1,L5.12
N,902057,602485,4.2,L5.13
N,902000,602590,4.5,L5.14
N,901944,602696,4.8,L5.15
L26 - SB La Costa On-Ramp,17,
N,902265,601707,19.8,L26.1
N,902229,601825,16.9,L26.2
N,902209,601901,15,L26.3

N,902192,601960,13.6,L26.4
N,902163,602033,11.8,L26.5
N,902145,602070,12.3,L26.6
N,902097,602161,17.4,L26.7
N,902072,602211,19.2,L26.8
L25 - NB La Costa Off-Ramp,18,
N,902289,601831,17.3,L25.1
N,902274,601917,15,L25.2
N,902265,601977,13.5,L25.3
N,902256,602036,12.3,L25.4
N,902253,602077,12,L25.5
N,902247,602116,12.8,L25.6
N,902234,602194,15,L25.7
N,902223,602241,15.5,L25.8
L27 - NB La Costa On-Ramp,19,
N,902201,602284,13.5,L27.1
N,902153,602352,7.3,L27.2
N,902120,602403,4.6,L27.3
N,902089,602453,3.8,L27.4
N,902045,602522,3.8,L27.5
N,902017,602574,4,L27.6
N,901986,602628,4.4,L27.7
N,901944,602696,4.8,L27.8
L28 - SB La Costa Off-Ramp,20,
N,902054,602260,18,L28.1,
N,902029,602335,13.6,L28.2,
N,902002,602411,9,L28.3,
N,901966,602504,4.5,L28.4,
N,901950,602541,3.9,L28.5,
N,901919,602614,4.2,L28.6,
N,901898,602668,4.8,L28.7,
B18 - NB Leucadia Bridge,1,2,0,0,
902754,600111,53.3,53.3,B18.2,
902709,600111,53.7,53.7,B18.3,
902702,600140,53.7,53.7,B18.4,
902754,600139,53.5,53.5,B18.5,
B118 - NB Leucadia Bridge,2,2,0,0,
902766,600141,53.4,54.3,B118.1,
902761,600152,53.3,54.2,B118.2,
902748,600171,52.9,53.8,B118.3,
902733,600192,52.7,53.6,B118.4,
902719,600222,52.2,53.1,B118.5,
902703,600255,51.1,52,B118.6,
902680,600311,48.6,49.5,B118.7,
902662,600370,46,46.9,B118.8,
B19 - 7' Prop Wall NB Side at R12.32,3,2,0,0,
902741,600205,52.7,54.8,B19.1,
902724,600240,52,54.1,B19.2,
902712,600278,50.5,52.6,B19.3,
902705,600297,49.3,51.4,B19.4,
B57 - Center Divider,4,2,0,0,
902747,599830,48.5,49.5,B57.7,
902720,599944,48.5,49.5,B57.8,
902692,600057,47.5,48.5,B57.9,
902662,600181,46,47,B57.10,
B58 - Center Divider,5,2,0,0,

902662,600181,46,47,B58.1,
902633,600297,44.5,45.5,B58.2,
902603,600422,43,44,B58.3,
902573,600543,41.5,42.5,B58.4,
902545,600661,40,41,B58.5,
902515,600783,38.5,39.5,B58.6,
902485,600907,37,38,B58.7,
902458,601015,35.5,36.5,B58.8,
902435,601114,33.5,34.5,B58.9,
902411,601206,31.5,32.5,B58.10,
B9 - NB ROW ST 699 to 706,6,2,0,0,
902662,600370,46,46.9,B9.1,
902646,600435,45.1,46,B9.2,
902626,600506,45.5,46.4,B9.3,
902618.5,600537,46,46,B9.3A,
902618.5,600537,46,50.9,B9.3A,
902611,600568,46.2,51.1,B9.4,
902591,600639,44,48.9,B9.5,
902575,600705,41.5,46.4,B9.6,
B9 - NB ROW ST 699 to 706,7,2,0,0,
902575,600705,41.5,42.4,B9.6,
902547,600807,41,41.9,B9.7,
902531,600867,40.7,41.6,B9.8,
902516,600928,40.5,41.4,B9.9,
B10 - NB ROW ST 706 to 711,8,2,0,0,
902516,600928,40.5,45.4,B9.9,
902511,600948,39.4,44.3,B9.9A,
902496,601006,38.8,43.7,B10.1,
902488,601061,40,44.9,B10.2,
902478,601123,43,47.9,B10.3,
902470,601172,43.6,48.5,B10.4,
902470,601172,43.6,43.6,B10.4,
902455,601226,42.5,43.4,B10.5,
902437,601292,38,38.9,B10.6,
902418,601356,35,35.9,B10.7,
B10 - NB ROW ST 706 to 711,9,2,0,0,
902418,601356,35,35.9,B10.7,
902404,601404,34.2,35.1,B10.8,
902404,601404,34.2,34.2,B10.8,
902390,601464,33,33,B10.9,
902370,601543,30,30,B10.10,
B11 - Nat Barrier NB Side ST 710,10,2,0,0,
902427,601377,34,34,B11.1,
902426,601410,38,38,B11.2,
902434,601432,42,42,B11.3,
902462,601475,48,48,B11.4,
902515,601500,53.7,53.7,B11.5,
902551,601500,50,50,B11.6,
B12 - NB Shoulder,11,2,0,0,
902370,601543,30,30,B12.1,
902360,601587,29,29,B12.2,
902339,601674,28,28,B12.3,
902323,601744,27,27,B12.4,
902308,601808,24,24,B12.5,
902288,601889,18,18,B12.6,
902274,601948,14,14,B12.7,

902264,602005,13,13,B12.8,
902260,602038,12.3,12.3,B12.9,
902259,602079,12,12,B12.10,
B13 - NB Shoulder of La Costa Off-Ramp,12,2,0,0,
902259,602079,12,12,B13.1,
902255,602118,12.8,12.8,B13.2,
902241,602196,15,15,B13.3,
902230,602244,15.5,15.5,B13.4,
B59 - Center Divider,13,2,0,0,
902411,601206,31.5,32.5,B59.1,
902390,601296,29.5,30.5,B59.2,
902364,601404,27,28,B59.3,
902341,601495,25,26,B59.4,
902316,601603,22.5,23.5,B59.5,
902289,601716,20,21,B59.6,
902262,601825,17.5,18.5,B59.7,
902236,601933,15,16,B59.8,
902211,602041,12.5,13.5,B59.9,
902187,602129,10.5,11.5,B59.10,
B60 - Center Divider,14,2,0,0,
902187,602129,10.5,11.5,B60.1,
902157,602218,8.5,9.5,B60.2,
902124,602301,6.5,7.5,B60.3,
902085,602378,5,6,B60.4,
902034,602471,4.3,5.3,B60.5,
901978,602576,4.7,5.7,B60.6,
B30 - 6' Prop Wall NB Side,15,2,0,0,
902622,600722,45,46.83,B30.1,
902598,600717,45,46.83,B30.2,
902589,600759,45,46.83,B30.3,
902580,600798,46,47.83,B30.4,
902582,600822,46,47.83,B30.5,
902577,600850,46,47.83,B30.6,
902567,600879,47,48.83,B30.7,
902554,600925,47.5,49.33,B30.8,
902543,600963,46.5,48.33,B30.9,
B31 - 7' Prop Wall NB Side,16,2,0,0,
902543,600963,46.5,48.6,B30.9,
902534,600991,46,48.1,B31.1,
902573,601002,46,48.1,B31.2,
B32 - Nat Barrier NB Side ST 712 to 713,17,2,0,0,
902401,601583,30,30,B32.1,
902407,601610,36,36,B32.2,
902414,601625,40,40,B32.3,
902424,601644,44,44,B32.4,
902436,601666,48,48,B32.5,
902479,601676,52,52,B32.6,
902446,601682,52,52,B32.7,
902438,601719,52,52,B32.8,
902432,601760,52,52,B32.9,
902453,601777,52,52,B32.10,
B33 - Nat Barrier NB Side ST 714,18,2,0,0,
902397,601832,44,44,B33.1,
902421,601856,54,54,B33.2,
902436,601921,54,54,B33.3,
R,1,67,4

902798,600161,55.2,R12.31
R,2,67,4
902723,600253,52.5,R12.32
R,3,67,4
902703,600327,49.5,R12.33
R,4,67,4
902623,600641,47.7,R12.34
R,5,67,4
902603,600724,46.5,R12.35
R,6,67,4
902588,600801,47.5,R12.36
R,7,67,4
902581,600868,48,R12.37
R,8,67,4
902544,600980,47.8,R12.38
R,9,67,4
902520,601068,42.2,R12.39
R,10,67,4
902502,601177,46.8,R12.40
R,11,67,4
902549,601217,56.6,R12.41
R,12,67,4
902506,601266,49.8,R12.42
R,13,67,
902528,601525,52.5,R12.43
R,14,67,
902483,601616,39,R12.44
R,15,67,
902487,601637,47.8,R12.45
R,16,67,4
902475,601731,54.9,R12.46
R,17,67,
902472,601835,56.1,R12.47
R,18,67,4
902370,601873,44.7,R12.48
D,4.5
ALL,ALL
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
12 - LEUCADIA TO LA COSTA EAST SIDE - DGN,DGN,FT,

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	-	0.*							B18.2	147.6	
2	-	0.*							B18.3	97.9	
3	-	0.*							B18.4	170.6	
4	-	3.*							B118.1	39.7	
5	-	3.*							B118.2	75.6	
6	-	3.*							B118.3	84.7	
7	-	3.*							B118.4	108.6	
8	-	3.*							B118.5	120.4	
9	-	3.*							B118.6	198.7	
10	-	3.*							B118.7	202.5	
11	-	7.*							B19.1	127.7	
12	-	7.*							B19.2	130.9	
13	-	7.*							B19.3	66.5	
14	-	3.*							B57.7	384.4	
15	-	3.*							B57.8	381.9	
16	-	3.*							B57.9	418.7	
17	-	3.*							B58.1	392.2	
18	-	3.*							B58.2	421.9	
19	-	3.*							B58.3	408.9	
20	-	3.*							B58.4	398.0	
21	-	3.*							B58.5	412.1	
22	-	3.*							B58.6	418.7	
23	-	3.*							B58.7	365.2	
24	-	3.*							B58.8	333.5	
25	-	3.*							B58.9	312.0	
26	-	3.*							B9.1	219.7	
27	-	3.*							B9.2	242.0	
28	-	1.*							B9.3	104.6	
29	-	8.*							B9.3A	16.1	
30	-	16.*							B9.3A	104.7	
31	-	16.*							B9.4	242.1	
32	-	16.*							B9.5	222.9	
33	-	3.*							B9.6	347.1	
34	-	3.*							B9.7	203.7	
35	-	3.*							B9.8	206.2	
36	-	16.*							B9.9	67.7	

37	- 16.*	B9.9A	196.6
38	- 16.*	B10.1	182.3
39	- 16.*	B10.2	206.3
40	- 16.*	B10.3	162.9
41	- 8.*	B10.4	16.1
42	- 2.*	B10.4	183.8
43	- 3.*	B10.5	225.0
44	- 3.*	B10.6	219.3
45	- 3.*	B10.7	164.0
46	- 2.*	B10.8	3.0
47	- 0.*	B10.8	202.2
48	- 0.*	B10.9	267.6
49	- 0.*	B11.1	109.1
50	- 0.*	B11.2	77.9
51	- 0.*	B11.3	169.5
52	- 0.*	B11.4	193.2
53	- 0.*	B11.5	118.7
54	- 0.*	B12.1	148.0
55	- 0.*	B12.2	293.7
56	- 0.*	B12.3	235.5
57	- 0.*	B12.4	215.9
58	- 0.*	B12.5	274.4
59	- 0.*	B12.6	199.4
60	- 0.*	B12.7	189.9
61	- 0.*	B12.8	109.1
62	- 0.*	B12.9	134.5
63	- 0.*	B13.1	128.7
64	- 0.*	B13.2	260.1
65	- 0.*	B13.3	161.5
66	- 3.*	B59.1	303.3
67	- 3.*	B59.2	364.5
68	- 3.*	B59.3	308.0
69	- 3.*	B59.4	363.8
70	- 3.*	B59.5	381.3
71	- 3.*	B59.6	368.5
72	- 3.*	B59.7	364.5
73	- 3.*	B59.8	363.8
74	- 3.*	B59.9	299.3
75	- 3.*	B60.1	308.2
76	- 3.*	B60.2	293.1
77	- 3.*	B60.3	283.3
78	- 3.*	B60.4	348.0
79	- 3.*	B60.5	390.4
80	- 6.*	B30.1	80.5
81	- 6.*	B30.2	140.9
82	- 6.*	B30.3	131.3
83	- 6.*	B30.4	79.1
84	- 6.*	B30.5	93.4
85	- 6.*	B30.6	100.7

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86    -  6.*                        B30.7     156.8
87    -  6.*                        B30.8     129.9

88    -  7.*                        B30.9      96.4
89    -  7.*                        B31.1     132.9

90    -  0.*                        B32.1      92.9
91    -  0.*                        B32.2      55.9
92    -  0.*                        B32.3      71.6
93    -  0.*                        B32.4      83.2
94    -  0.*                        B32.5     145.5
95    -  0.*                        B32.6     110.1
96    -  0.*                        B32.7     124.2
97    -  0.*                        B32.8     135.9
98    -  0.*                        B32.9      88.7

99    -  0.*                        B33.1     116.1
**    -  0.*                       B33.2     218.8
-------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
--------------------------------
 1  R12.31    67.    500.   69.9
 2  R12.32    67.    500.   69.1
 3  R12.33    67.    500.   72.9
 4  R12.34    67.    500.   69.1
 5  R12.35    67.    500.   71.7
 6  R12.36    67.    500.   72.1
 7  R12.37    67.    500.   71.3
 8  R12.38    67.    500.   69.5
 9  R12.39    67.    500.   66.3
10  R12.40    67.    500.   68.6
11  R12.41    67.    500.   68.0
12  R12.42    67.    500.   69.6
13  R12.43    67.    500.   66.3
14  R12.44    67.    500.   64.5
15  R12.45    67.    500.   65.9
16  R12.46    67.    500.   65.5
17  R12.47    67.    500.   65.9
18  R12.48    67.    500.   72.5
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 7. 7. 7. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
 3. 3. 1. 8.16.16.16. 3. 3. 3.16.16.16.16.16. 8. 2. 3. 3. 3. 2. 0. 0. 0. 0.
 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3.
 3. 3. 3. 3. 6. 6. 6. 6. 6. 6. 6. 6. 7. 7. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
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13 La Costa to Poinsettia No Build WEST,0,Ft
T-L6 - SB General Lanes - Outer,1,
0,65,0,65,0,55,
T-L16 - SB General Lanes - Inner,2,
3269,65,87,65,244,65,
T-L56 - SB Future HOV Lanes,3,
3513,65,87,65,0,65,
T-L55 - NB Future HOV Lanes,4,
3513,65,87,65,0,65,
T-L15 - NB General Lanes - Inner,5,
3269,65,87,65,244,65,
T-L5 - NB General Lanes - Outer,6,
0,65,0,65,0,55,
T-L26 - SB La Costa On-ramp,7,
760,45,19,45,21,45,
T-L25 - NB La Costa Off-ramp,8,
789,45,20,45,22,45
T-L27 - NB La Costa On-ramp,9
627,45,16,45,17,45
T-L28 - SB La Costa Off-ramp,10
760,45,19,45,21,45
T-L8 - SB General Lanes - Outer,11
0,65,0,65,0,55
T-L18 - SB General Lanes - Inner,12
3269,65,87,65,244,65
T-L58 - SB Future HOV Lanes,13
3513,65,87,65,0,65
T-L57 - NB Future HOV Lanes,14
3513,65,87,65,0,65
T-L17 - NB General Lanes - Inner,15
3269,65,87,65,244,65
T-L7 - NB General Lanes - Outer,16
0,65,0,65,0,55
T-L30 - SB Poinsettia On-ramp,17
656,45,17,45,18,45
T-L29 - NB Poinsettia Off-ramp,18
703,45,18,45,19,45
T-L31 - NB Poinsettia On-ramp,19
494,45,12,45,14,45
T-L32 - SB Poinsettia Off-ramp,20
513,45,13,45,14,45
T-L10 - SB General Lanes - Outer,21
0,65,0,65,0,55
T-L20 - SB General Lanes - Inner,22
3269,65,87,65,244,65
T-L60 - SB Future HOV Lanes,23
3513,65,87,65,0,65
T-L59 - NB Future HOV Lanes,24
3513,65,87,65,0,65
T-L19 - NB General Lanes - Inner,25
3269,65,87,65,244,65
T-L9 - NB General Lanes - Outer,26
0,65,0,65,0,55
L6 - SB General Lanes - Outer,1
N,902237,601818,17.3,L6.6,
N,902211,601928,14.9,L6.7,

N,902183,602034,12.3,L6.8,
N,902162,602122,10.3,L6.9,
N,902134,602205,8.3,L6.10,
N,902100,602285,6.2,L6.11,
N,902061,602363,4.8,L6.12,
N,902011,602457,4.2,L6.13,
N,901955,602562,4.5,L6.14,
N,901898,602668,4.8,L6.15,
L16 - SB General Lanes - Inner,2,
N,902245,601821,17.3,L16.6
N,902218,601930,14.9,L16.7
N,902192,602036,12.3,L16.8
N,902169,602124,10.3,L16.9
N,902140,602209,8.3,L16.10
N,902109,602290,6.2,L16.11
N,902069,602367,4.8,L16.12
N,902019,602462,4.2,L16.13
N,901962,602567,4.5,L16.14
N,901906,602672,4.8,L16.15
L56 - SB Future HOV Lanes,3,
N,902255,601824,17.5,L56.6
N,902228,601932,15,L56.7
N,902201,602039,12.5,L56.8
N,902180,602127,10.5,L56.9
N,902151,602213,8.5,L56.10
N,902117,602294,6.5,L56.11
N,902077,602372,5,L56.12
N,902028,602467,4.3,L56.13
N,901971,602571,4.7,L56.14
N,901915,602676,4.9,L56.15
L55 - NB Future HOV Lanes,4,
N,902270,601826,17.5,L55.6
N,902245,601933,15,L55.7
N,902219,602044,12.5,L55.8
N,902195,602133,10.5,L55.9
N,902164,602226,8.5,L55.10
N,902130,602306,6.5,L55.11
N,902092,602382,5,L55.12
N,902041,602474,4.3,L55.13
N,901986,602580,4.7,L55.14
N,901929,602686,4.9,L55.15
L15 - NB General Lanes - Inner,5,
N,902280,601828,17.3,L15.6
N,902254,601933,14.4,L15.7
N,902227,602045,12.4,L15.8
N,902204,602137,10.1,L15.9
N,902173,602231,8.7,L15.10
N,902138,602311,6.7,L15.11
N,902100,602387,5.1,L15.12
N,902051,602480,4.2,L15.13
N,901993,602585,4.5,L15.14
N,901937,602691,4.8,L15.15
L5 - NB General Lanes - Outer,6,
N,902289,601831,17.3,L5.6
N,902264,601936,14.4,L5.7
N,902236,602048,12.4,L5.8

N,902212,602141,10.1,L5.9
N,902181,602234,8.7,L5.10
N,902146,602314,6.7,L5.11
N,902108,602391,5.1,L5.12
N,902057,602485,4.2,L5.13
N,902000,602590,4.5,L5.14
N,901944,602696,4.8,L5.15
L26 - SB La Costa On-ramp,7,
N,902265,601707,19.8,L26.1
N,902229,601825,16.9,L26.2
N,902209,601901,15,L26.3
N,902192,601960,13.6,L26.4
N,902163,602033,11.8,L26.5
N,902145,602070,12.3,L26.6
N,902097,602161,17.4,L26.7
N,902072,602211,19.2,L26.8
L25 - NB La Costa Off-ramp,8,
N,902289,601831,17.3,L25.1
N,902274,601917,15,L25.2
N,902265,601977,13.5,L25.3
N,902256,602036,12.3,L25.4
N,902253,602077,12,L25.5
N,902247,602116,12.8,L25.6
N,902234,602194,15,L25.7
N,902223,602241,15.5,L25.8
L27 - NB La Costa On-ramp,9,
N,902201,602284,13.5,L27.1
N,902153,602352,7.3,L27.2
N,902120,602403,4.6,L27.3
N,902089,602453,3.8,L27.4
N,902045,602522,3.8,L27.5
N,902017,602574,4,L27.6
N,901986,602628,4.4,L27.7
N,901944,602696,4.8,L27.8
L28 - SB La Costa Off-ramp,10,
N,902054,602260,18,L28.1
N,902029,602335,13.6,L28.2
N,902002,602411,9,L28.3
N,901966,602504,4.5,L28.4
N,901950,602541,3.9,L28.5
N,901919,602614,4.2,L28.6
N,901898,602668,4.8,L28.7
L8 - SB General Lanes - Outer,11,
N,901898,602668,4.8,L8.1
N,901850,602758,4.9,L8.2
N,901805,602844,5.7,L8.3
N,901753,602939,7.8,L8.4
N,901705,603028,9.8,L8.5
N,901660,603113,11.8,L8.6
N,901618,603191,13.8,L8.7
N,901564,603293,16.3,L8.8
N,901511,603394,18.8,L8.9
N,901454,603499,21.3,L8.10
N,901408,603584,23.3,L8.11
N,901367,603665,25.3,L8.12
N,901310,603768,27.3,L8.13

N,901266,603851,28.3,L8.14
N,901234,603912,28.3,L8.15
L18 - SB General Lanes - Inner,12,
N,901906,602672,4.8,L18.1
N,901858,602763,4.9,L18.2
N,901812,602847,5.7,L18.3
N,901761,602943,7.8,L18.4
N,901713,603032,9.8,L18.5
N,901667,603117,11.8,L18.6
N,901627,603195,13.8,L18.7
N,901572,603297,16.3,L18.8
N,901519,603398,18.8,L18.9
N,901462,603504,21.3,L18.10
N,901416,603588,23.3,L18.11
N,901373,603669,25.3,L18.12
N,901318,603773,27.3,L18.13
N,901275,603854,28.3,L18.14
N,901242,603917,28.3,L18.15
L58 - SB Future HOV Lanes,13,
N,901915,602676,4.9,L58.1
N,901866,602767,5.1,L58.2
N,901821,602852,6,L58.3
N,901770,602947,8,L58.4
N,901722,603036,10,L58.5
N,901675,603125,12,L58.6
N,901635,603199,14,L58.7
N,901581,603301,16.5,L58.8
N,901527,603402,19,L58.9
N,901470,603507,21.5,L58.10
N,901425,603593,23.5,L58.11
N,901381,603675,25.5,L58.12
N,901327,603776,27.5,L58.13
N,901282,603860,28.4,L58.14
N,901250,603921,28.6,L58.15
L57 - NB Future HOV Lanes,14,
N,901929,602686,4.9,L57.1
N,901882,602774,5.1,L57.2
N,901834,602862,6,L57.3
N,901783,602957,8,L57.4
N,901737,603045,10,L57.5
N,901692,603128,12,L57.6
N,901650,603207,14,L57.7
N,901597,603307,16.5,L57.8
N,901543,603408,19,L57.9
N,901485,603514,21.5,L57.10
N,901440,603600,23.5,L57.11
N,901396,603683,25.5,L57.12
N,901341,603786,27.5,L57.13
N,901298,603868,28.4,L57.14
N,901264,603930,28.6,L57.15
L17 - NB General Lanes - Inner,15,
N,901937,602691,4.8,L17.1
N,901889,602780,4.9,L17.2
N,901842,602868,5.7,L17.3
N,901792,602963,7.8,L17.4
N,901745,603049,9.8,L17.5

N,901700,603133,11.8,L17.6
N,901658,603213,13.8,L17.7
N,901605,603312,16.3,L17.8
N,901551,603414,18.8,L17.9
N,901494,603520,21.3,L17.10
N,901449,603605,23.3,L17.11
N,901405,603687,25.3,L17.12
N,901349,603792,27.3,L17.13
N,901306,603874,28.3,L17.14
N,901272,603935,28.3,L17.15
L7 - NB General Lanes - Outer,16,
N,901944,602696,4.8,L7.1
N,901897,602785,4.9,L7.2
N,901850,602872,5.7,L7.3
N,901798,602968,7.8,L7.4
N,901753,603055,9.8,L7.5
N,901709,603136,11.8,L7.6
N,901666,603216,13.8,L7.7
N,901612,603318,16.3,L7.8
N,901558,603417,18.8,L7.9
N,901501,603524,21.3,L7.10
N,901457,603609,23.3,L7.11
N,901413,603692,25.3,L7.12
N,901357,603797,27.3,L7.13
N,901314,603878,28.3,L7.14
N,901280,603940,28.3,L7.15
L30 - SB Poinsettia On-ramp,17,
N,901367,603665,25.3,L30.1
N,901306,603765,27.3,L30.2
N,901262,603849,28.5,L30.3
N,901229,603910,28.3,L30.4
N,901176,604007,27.6,L30.5
N,901127,604094,26.9,L30.6
N,901095,604145,26.4,L30.7
N,901057,604191,25.8,L30.8
N,901030,604220,26,L30.9
N,900992,604252,36.8,L30.10
N,900936,604291,28.2,L30.11
N,900915,604314,28.8,L30.12
N,900902,604341,29.4,L30.13
L29 - NB Poinsettia Off-ramp,18,
N,901413,603692,25.3,L29.1
N,901361,603799,27.3,L29.2
N,901317,603880,28.3,L29.3
N,901284,603941,28.3,L29.4
N,901229,604044,27.7,L29.5
N,901207,604093,27.5,L29.6
N,901169,604184,26.4,L29.7
N,901154,604222,26.8,L29.8
N,901131,604277,28.7,L29.9
N,901110,604332,31.4,L29.10
N,901096,604389,33.2,L29.11
L31 - NB Poinsettia On-ramp,19,
N,901084,604430,33.4,L31.1
N,901067,604456,32.2,L31.2
N,901010,604511,27,L31.3

N,900979,604549,24.6,L31.4
N,900949,604590,23.5,L31.5
N,900915,604640,23.1,L31.6
N,900875,604709,22.8,L31.7
N,900826,604797,22.5,L31.8
N,900763,604907,21.8,L31.9
L32 - SB Poinsettia Off-ramp,20,
N,900889,604383,29.2,L32.1
N,900884,604430,27.6,L32.2
N,900878,604489,25.4,L32.3
N,900866,604547,24.2,L32.4
N,900848,604603,23.2,L32.5
N,900824,604658,22.9,L32.6
N,900808,604698,22.7,L32.7
N,900768,604784,22.3,L32.8
L10 - SB General Lanes - Outer,21,
N,901234,603912,28.3,L10.1
N,901194,603984,28.2,L10.2
N,901134,604096,27.3,L10.3
N,901092,604175,26.8,L10.4
N,901052,604250,26.2,L10.5
N,900997,604355,25.3,L10.6
N,900946,604451,24.8,L10.7
N,900878,604579,23.7,L10.8
N,900827,604676,23.2,L10.9
N,900768,604784,22.3,L10.10
L20 - SB General Lanes - Inner,22,
N,901242,603917,28.3,L20.1
N,901202,603989,28.2,L20.2
N,901142,604101,27.3,L20.3
N,901100,604179,26.8,L20.4
N,901059,604254,26.2,L20.5
N,901004,604359,25.3,L20.6
N,900953,604455,24.8,L20.7
N,900884,604583,23.7,L20.8
N,900833,604679,23.2,L20.9
N,900775,604788,22.3,L20.10
L60 - SB Future HOV Lanes,23,
N,901250,603921,28.6,L60.1
N,901211,603993,28.4,L60.2
N,901151,604106,27.5,L60.3
N,901109,604185,27,L60.4
N,901068,604261,26.5,L60.5
N,901013,604365,25.6,L60.6
N,900960,604462,25,L60.7
N,900893,604589,24,L60.8
N,900841,604685,23.4,L60.9
N,900784,604793,22.5,L60.10
L59 - NB Future HOV Lanes,24,
N,901264,603930,28.6,L59.1
N,901226,604002,28.4,L59.2
N,901166,604114,27.5,L59.3
N,901122,604195,27,L59.4
N,901082,604269,26.5,L59.5
N,901028,604372,25.6,L59.6
N,900975,604471,25,L59.7

N,900906,604598,24,L59.8
N,900856,604693,23.4,L59.9
N,900796,604806,22.5,L59.10
L19 - NB General Lanes - Inner,25,
N,901272,603935,28.3,L19.1
N,901233,604006,28.2,L19.2
N,901175,604118,27.3,L19.3
N,901131,604199,26.8,L19.4
N,901092,604273,26.2,L19.5
N,901037,604377,25.3,L19.6
N,900984,604475,24.8,L19.7
N,900917,604603,23.7,L19.8
N,900865,604698,23.2,L19.9
N,900804,604810,22.3,L19.10
L9 - NB General Lanes - Outer,26,
N,901280,603940,28.3,L9.1
N,901243,604011,28.2,L9.2
N,901183,604122,27.3,L9.3
N,901139,604203,26.8,L9.4
N,901099,604278,26.2,L9.5
N,901044,604380,25.3,L9.6
N,900992,604479,24.8,L9.7
N,900923,604606,23.7,L9.8
N,900873,604702,23.2,L9.9
N,900812,604815,22.3,L9.10
B7 - Nat Barrier SB Side at La Costa Bridge,1,2,0,0
902175,602044,12,12,B7.1
902146,602108,16,16,B7.2
902114,602169,18,18,B7.3
902090,602217,19.2,19.2,B7.4
902115,602227,17.3,17.3,B7.5
902102,602258,16.8,16.8,B7.6
902067,602258,18.3,18.3,B7.7
902035,602255,20,20,B7.8
902011,602320,20,20,B7.9
901981,602348,19,19,B7.10
B14 - Nat Barrier SB Side Edge of Cut,2,2,0,0
901981,602348,19,19,B14.1
901930,602402,20.5,20.5,B14.2
901896,602471,22,22,B14.3
901881,602510,22,22,B14.4
901868,602559,22,22,B14.5
901862,602586,20,20,B14.6
901820,602575,20,20,B14.7
B15 - Nat Bar SB Side La Costa Off-ramp,3,2,0,0
902067,602258,18.3,18.3,B15.1
902039,602337,13.6,13.6,B15.2
902013,602414,9,9,B15.3
901993,602474,6.5,6.5,B15.4
B60 - Center Divider,4,2,0,0
902187,602129,10.5,11.5,B60.1
902157,602218,8.5,9.5,B60.2
902124,602301,6.5,7.5,B60.3
902085,602378,5,6,B60.4
902034,602471,4.3,5.3,B60.5
901978,602576,4.7,5.7,B60.6

901922,602682,4.9,5.9,B60.7
901874,602771,5.1,6.1,B60.8
901828,602859,6,7,B60.9
901777,602953,8,9,B60.10
B61 - Center Divider,5,2,0,0
901777,602953,8,9,B61.1
901728,603041,10,11,B61.2
901684,603125,12,13,B61.3
901643,603204,14,15,B61.4
901588,603306,16.5,17.5,B61.5
901535,603407,19,20,B61.6
901479,603512,21.5,22.5,B61.7
901433,603597,23.5,24.5,B61.8
901388,603679,25.5,26.5,B61.9
901335,603781,27.5,28.5,B61.10
B1 - Property Line SB Side R13.3 to 13.5,6,2,0,0
901461,603022,24,24,B1.1
901474,603070,26,26,B1.2
901488,603116,32,32,B1.3
901499,603141,32,32,B1.4
901515,603184,32.4,32.4,B1.5
901511,603203,38,38,B1.6
B1 - 5.5' to 6' Prop Wall SB Side,7,2,0,0
901476,603205,37.5,39.2,B1.6A
901511,603203,38,39.7,B1.6
901516,603230,38.7,40.4,B1.7
901513,603262,38.8,40.5,B1.8
901513,603262,38.8,40.6,B1.8
901492,603308,38.5,40.3,B1.9
901459,603376,38,39.8,B1.10
B6 - Nat Barrier SB Side ST 730,8,2,0,0
901579,603207,10,10,B6.1
901540,603238,36,36,B6.2
901513,603262,38.8,38.8,B6.3
B2 - 6' Prop Wall SB Side,9,2,0,0
901459,603376,38,39.8,B2.1
901441,603416,37.5,39.3,B2.2
901415,603473,38,39.8,B2.3
901397,603514,37.5,39.3,B2.4
901365,603586,35.5,37.3,B2.5
901335,603654,34,35.8,B2.6
B2 - Existing 9' Wall SB Side,10,2,0,0
901335,603654,34,36.7,B2.6
901303,603725,33,35.7,B2.7
901281,603776,32.5,35.2,B2.8
901281,603776,32.5,32.5,B2.8
901253,603841,31,31,B2.9
901224,603903,29.6,29.6,B2.10
B3 - SB ROW/ Shldr ST 738 to 740,11,2,0,0
901224,603903,29.6,29.6,B3.1
901205,603941,29,29,B3.2
901184,603981,28,28,B3.3
901155,604035,27.5,27.5,B3.4
901123,604090,26.9,26.9,B3.5
901086,604140,26.4,26.4,B3.6
B4 - Comm Bldg SB Side ST 739,12,2,0,0

901173,603974,23,30.6,B4.1
901155,604006,23,30.6,B4.2
901125,603992,23,30.6,B4.3
B5 - Comm Bldg SB Side ST 740,13,2,0,0
901111,604051,21.5,29.1,B5.1
901071,604115,21.5,29.1,B5.2
901055,604139,21.5,29.1,B5.3
901003,604193,21.5,29.1,B5.4
900960,604154,21.5,29.1,B5.5
B62 - Center Divider ST 736 to 745,14,2,0,0
901335,603781,27.5,28.5,B62.1
901290,603865,28.4,29.4,B62.2
901257,603926,28.6,29.6,B62.3
901218,603998,28.4,29.4,B62.4
901157,604110,27.5,28.5,B62.5
901115,604191,27,28,B62.6
901075,604266,26.5,27.5,B62.7
901019,604369,25.6,26.6,B62.8
900968,604466,25,26,B62.9
900900,604593,24,25,B62.10
B20 - 6' Prop Wall SB Side,15,2,0,0
901274,603603,26,27.8,B20.1
901290,603633,27,28.8,B20.2
901293,603660,28,29.8,B20.3
901288,603689,28.5,30.3,B20.4
901272,603722,28,29.8,B20.5
901248,603779,27.5,29.3,B20.6
901223,603835,27,28.8,B20.7
901208,603867,26,27.8,B20.8
901188,603897,25,26.8,B20.9
901163,603918,24,25.8,B20.10
B21 - 6' Prop Wall SB Side,16,2,0,0
901163,603918,24,25.8,B21.1
901135,603931,23,24.8,B21.2
901112,603937,22.5,24.3,B21.3
901081,603939,22,23.8,B21.4
901044,603938,20.7,22.5,B21.5
R,1,67,4
901896,602443,24,R13.1
R,2,67,4
901873,602511,24.7,R13.2
R,3,67,4
901458,603032,26.6,R13.3
R,4,67,4
901474,603094,30.5,R13.4
R,5,67,4
901504,603178,34.2,R13.5
R,6,67,4
901504,603232,39.8,R13.6
R,7,67,4
901468,603298,36.5,R13.7
R,8,67,4
901419,603440,31,R13.8
R,9,67,4
901400,603456,32.7,R13.9
R,10,67,4

901332,603623,35,R13.10
R,11,67,4
901286,603658,27,R13.11
R,12,67,4
901265,603734,28,R13.12S
R,13,67,4
901229,603814,28.5,R13.13
R,14,67,4
901180,603900,26.1,R13.14
R,15,67,4
901126,603932,24.3,R13.15
R,16,67,4
901069,603936,22.8,R13.16
R,17,67,4
901859,602555,23.7,R13.2A
D,4.5
ALL,3
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SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
13 LA COSTA TO POINSETTIA NO BUILD WEST,0,FT

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	-	0.*							B7.1	230.8	
2	-	0.*							B7.2	226.2	
3	-	0.*							B7.3	176.1	
4	-	0.*							B7.4	88.5	
5	-	0.*							B7.5	110.3	
6	-	0.*							B7.6	114.9	
7	-	0.*							B7.7	105.6	
8	-	0.*							B7.8	227.4	
9	-	0.*							B7.9	134.7	
10	-	0.*							B14.1	243.8	
11	-	0.*							B14.2	252.4	
12	-	0.*							B14.3	137.0	
13	-	0.*							B14.4	166.4	
14	-	0.*							B14.5	91.0	
15	-	0.*							B14.6	142.5	
16	-	0.*							B15.1	275.4	
17	-	0.*							B15.2	267.0	
18	-	0.*							B15.3	207.6	
19	-	3.*							B60.1	308.2	
20	-	3.*							B60.2	293.1	
21	-	3.*							B60.3	283.3	
22	-	3.*							B60.4	348.0	
23	-	3.*							B60.5	390.4	
24	-	3.*							B60.6	393.2	
25	-	3.*							B60.7	331.8	
26	-	3.*							B60.8	325.9	
27	-	3.*							B60.9	350.9	
28	-	3.*							B61.1	330.5	
29	-	3.*							B61.2	311.2	
30	-	3.*							B61.3	292.0	
31	-	3.*							B61.4	380.3	
32	-	3.*							B61.5	374.3	
33	-	3.*							B61.6	390.4	
34	-	3.*							B61.7	317.2	
35	-	3.*							B61.8	306.9	
36	-	3.*							B61.9	377.2	
37	-	0.*							B1.1	163.3	
38	-	0.*							B1.2	159.0	

39	- 0.*	B1.3	89.7
40	- 0.*	B1.4	150.5
41	- 0.*	B1.5	66.4
42	- 6.*	B1.6A	115.1
43	- 6.*	B1.6	90.0
44	- 6.*	B1.7	105.5
45	- 6.*	B1.8	.3
46	- 6.*	B1.8	166.0
47	- 6.*	B1.9	248.0
48	- 0.*	B6.1	184.4
49	- 0.*	B6.2	118.9
50	- 6.*	B2.1	143.9
51	- 6.*	B2.2	205.5
52	- 6.*	B2.3	146.9
53	- 6.*	B2.4	258.5
54	- 6.*	B2.5	243.9
55	- 9.*	B2.6	255.6
56	- 9.*	B2.7	182.2
57	- 4.*	B2.8	8.9
58	- 0.*	B2.8	232.2
59	- 0.*	B2.9	224.7
60	- 0.*	B3.1	139.4
61	- 0.*	B3.2	148.3
62	- 0.*	B3.3	201.0
63	- 0.*	B3.4	208.8
64	- 0.*	B3.5	204.1
65	- 25.*	B4.1	120.4
66	- 25.*	B4.2	108.6
67	- 25.*	B5.1	247.6
68	- 25.*	B5.2	94.6
69	- 25.*	B5.3	246.0
70	- 25.*	B5.4	190.5
71	- 3.*	B62.1	312.7
72	- 3.*	B62.2	227.5
73	- 3.*	B62.3	268.6
74	- 3.*	B62.4	418.5
75	- 3.*	B62.5	299.3
76	- 3.*	B62.6	278.9
77	- 3.*	B62.7	384.6
78	- 3.*	B62.8	359.6
79	- 3.*	B62.9	472.6
80	- 6.*	B20.1	111.6
81	- 6.*	B20.2	89.2
82	- 6.*	B20.3	96.6
83	- 6.*	B20.4	120.3
84	- 6.*	B20.5	202.9
85	- 6.*	B20.6	201.3

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86    -  6.*                        B20.7     115.9
87    -  6.*                        B20.8     118.4
88    -  6.*                        B20.9     107.2

89    -  6.*                        B21.1     101.3
90    -  6.*                        B21.2      78.0
91    -  6.*                        B21.3     101.9
92    -  6.*                        B21.4     121.5
-------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
---------------------------------
 1  REC 1     67.    500.   71.4
 2  REC 2     67.    500.   74.1
 3  REC 3     67.    500.   64.2
 4  REC 4     67.    500.   65.1
 5  REC 5     67.    500.   67.3
 6  R13.6     67.    500.   58.9
 7  R13.7     67.    500.   54.7
 8  R13.8     67.    500.   58.6
 9  R13.9     67.    500.   54.4
10  R13.10    67.    500.   65.6
11  R13.11    67.    500.   58.6
12  R13.12S   67.    500.   58.0
13  R13.13    67.    500.   68.3
14  R13.14    67.    500.   69.6
15  R13.15    67.    500.   67.3
16  R13.16    67.    500.   65.6
17  R13.2A    67.    500.   71.8
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3.
 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 6. 6. 6. 6. 6. 6. 0. 0. 6.
 6. 6. 6. 6. 9. 9. 4. 0. 0. 0. 0. 0. 0. 0.25.25.25.25.25.25. 3. 3. 3. 3. 3.
 3. 3. 3. 3. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.
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13 La Costa to Poinsettia Future Build WEST,BLD,Ft
T-L6 - SB General Lanes - Outer,1,
3052,65,122,65,426,65,
T-L16 - SB General Lanes - Inner,2,
5217,65,183,65,0,65,
T-L56 - SB Future HOV Lanes,3,
3000,65,0,65,0,65,
T-L55 - NB Future HOV Lanes,4,
3000,65,0,65,0,65,
T-L15 - NB General Lanes - Inner,5,
5217,65,183,65,0,65,
T-L5 - NB General Lanes - Outer,6,
3052,65,122,65,426,65,
T-L26 - SB La Costa On-ramp,7,
950,45,24,45,26,45,
T-L25 - NB La Costa Off-ramp,8,
950,45,24,45,26,45
T-L27 - NB La Costa On-ramp,9
950,45,24,45,26,45
T-L28 - SB La Costa Off-ramp,10
950,45,24,45,26,45
T-L8 - SB General Lanes - Outer,11
3052,65,122,65,426,65
T-L18 - SB General Lanes - Inner,12
5217,65,183,65,0,65
T-L58 - SB Future HOV Lanes,13
3000,65,0,65,0,65
T-L57 - NB Future HOV Lanes,14
3000,65,0,65,0,65
T-L17 - NB General Lanes - Inner,15
5217,65,183,65,0,65
T-L7 - NB General Lanes - Outer,16
3052,65,122,65,426,65
T-L30 - SB Poinsettia On-ramp,17
950,45,24,45,26,45
T-L29 - NB Poinsettia Off-ramp,18
1900,45,48,45,52,45
T-L31 - NB Poinsettia On-ramp,19
950,45,24,45,26,45
T-L32 - SB Poinsettia Off-ramp,20
950,45,24,45,26,45
T-L10 - SB General Lanes - Outer,21
3052,65,122,65,426,65
T-L20 - SB General Lanes - Inner,22
5217,65,183,65,0,65
T-L60 - SB Future HOV Lanes,23
3000,65,0,65,0,65
T-L59 - NB Future HOV Lanes,24
3000,65,0,65,0,65
T-L19 - NB General Lanes - Inner,25
5217,65,183,65,0,65
T-L9 - NB General Lanes - Outer,26
3052,65,122,65,426,65
L6 - SB General Lanes - Outer,1
N,902237,601818,17.3,L6.6,
N,902211,601928,14.9,L6.7,

N,902183,602034,12.3,L6.8,
N,902162,602122,10.3,L6.9,
N,902134,602205,8.3,L6.10,
N,902100,602285,6.2,L6.11,
N,902061,602363,4.8,L6.12,
N,902011,602457,4.2,L6.13,
N,901955,602562,4.5,L6.14,
N,901898,602668,4.8,L6.15,
L16 - SB General Lanes - Inner,2,
N,902245,601821,17.3,L16.6
N,902218,601930,14.9,L16.7
N,902192,602036,12.3,L16.8
N,902169,602124,10.3,L16.9
N,902140,602209,8.3,L16.10
N,902109,602290,6.2,L16.11
N,902069,602367,4.8,L16.12
N,902019,602462,4.2,L16.13
N,901962,602567,4.5,L16.14
N,901906,602672,4.8,L16.15
L56 - SB Future HOV Lanes,3,
N,902255,601824,17.5,L56.6
N,902228,601932,15,L56.7
N,902201,602039,12.5,L56.8
N,902180,602127,10.5,L56.9
N,902151,602213,8.5,L56.10
N,902117,602294,6.5,L56.11
N,902077,602372,5,L56.12
N,902028,602467,4.3,L56.13
N,901971,602571,4.7,L56.14
N,901915,602676,4.9,L56.15
L55 - NB Future HOV Lanes,4,
N,902270,601826,17.5,L55.6
N,902245,601933,15,L55.7
N,902219,602044,12.5,L55.8
N,902195,602133,10.5,L55.9
N,902164,602226,8.5,L55.10
N,902130,602306,6.5,L55.11
N,902092,602382,5,L55.12
N,902041,602474,4.3,L55.13
N,901986,602580,4.7,L55.14
N,901929,602686,4.9,L55.15
L15 - NB General Lanes - Inner,5,
N,902280,601828,17.3,L15.6
N,902254,601933,14.4,L15.7
N,902227,602045,12.4,L15.8
N,902204,602137,10.1,L15.9
N,902173,602231,8.7,L15.10
N,902138,602311,6.7,L15.11
N,902100,602387,5.1,L15.12
N,902051,602480,4.2,L15.13
N,901993,602585,4.5,L15.14
N,901937,602691,4.8,L15.15
L5 - NB General Lanes - Outer,6,
N,902289,601831,17.3,L5.6
N,902264,601936,14.4,L5.7
N,902236,602048,12.4,L5.8

N,902212,602141,10.1,L5.9
N,902181,602234,8.7,L5.10
N,902146,602314,6.7,L5.11
N,902108,602391,5.1,L5.12
N,902057,602485,4.2,L5.13
N,902000,602590,4.5,L5.14
N,901944,602696,4.8,L5.15
L26 - SB La Costa On-ramp,7,
N,902265,601707,19.8,L26.1
N,902229,601825,16.9,L26.2
N,902209,601901,15,L26.3
N,902192,601960,13.6,L26.4
N,902163,602033,11.8,L26.5
N,902145,602070,12.3,L26.6
N,902097,602161,17.4,L26.7
N,902072,602211,19.2,L26.8
L25 - NB La Costa Off-ramp,8,
N,902289,601831,17.3,L25.1
N,902274,601917,15,L25.2
N,902265,601977,13.5,L25.3
N,902256,602036,12.3,L25.4
N,902253,602077,12,L25.5
N,902247,602116,12.8,L25.6
N,902234,602194,15,L25.7
N,902223,602241,15.5,L25.8
L27 - NB La Costa On-ramp,9,
N,902201,602284,13.5,L27.1
N,902153,602352,7.3,L27.2
N,902120,602403,4.6,L27.3
N,902089,602453,3.8,L27.4
N,902045,602522,3.8,L27.5
N,902017,602574,4,L27.6
N,901986,602628,4.4,L27.7
N,901944,602696,4.8,L27.8
L28 - SB La Costa Off-ramp,10,
N,902054,602260,18,L28.1
N,902029,602335,13.6,L28.2
N,902002,602411,9,L28.3
N,901966,602504,4.5,L28.4
N,901950,602541,3.9,L28.5
N,901919,602614,4.2,L28.6
N,901898,602668,4.8,L28.7
L8 - SB General Lanes - Outer,11,
N,901898,602668,4.8,L8.1
N,901850,602758,4.9,L8.2
N,901805,602844,5.7,L8.3
N,901753,602939,7.8,L8.4
N,901705,603028,9.8,L8.5
N,901660,603113,11.8,L8.6
N,901618,603191,13.8,L8.7
N,901564,603293,16.3,L8.8
N,901511,603394,18.8,L8.9
N,901454,603499,21.3,L8.10
N,901408,603584,23.3,L8.11
N,901367,603665,25.3,L8.12
N,901310,603768,27.3,L8.13

N,901266,603851,28.3,L8.14
N,901234,603912,28.3,L8.15
L18 - SB General Lanes - Inner,12,
N,901906,602672,4.8,L18.1
N,901858,602763,4.9,L18.2
N,901812,602847,5.7,L18.3
N,901761,602943,7.8,L18.4
N,901713,603032,9.8,L18.5
N,901667,603117,11.8,L18.6
N,901627,603195,13.8,L18.7
N,901572,603297,16.3,L18.8
N,901519,603398,18.8,L18.9
N,901462,603504,21.3,L18.10
N,901416,603588,23.3,L18.11
N,901373,603669,25.3,L18.12
N,901318,603773,27.3,L18.13
N,901275,603854,28.3,L18.14
N,901242,603917,28.3,L18.15
L58 - SB Future HOV Lanes,13,
N,901915,602676,4.9,L58.1
N,901866,602767,5.1,L58.2
N,901821,602852,6,L58.3
N,901770,602947,8,L58.4
N,901722,603036,10,L58.5
N,901675,603125,12,L58.6
N,901635,603199,14,L58.7
N,901581,603301,16.5,L58.8
N,901527,603402,19,L58.9
N,901470,603507,21.5,L58.10
N,901425,603593,23.5,L58.11
N,901381,603675,25.5,L58.12
N,901327,603776,27.5,L58.13
N,901282,603860,28.4,L58.14
N,901250,603921,28.6,L58.15
L57 - NB Future HOV Lanes,14,
N,901929,602686,4.9,L57.1
N,901882,602774,5.1,L57.2
N,901834,602862,6,L57.3
N,901783,602957,8,L57.4
N,901737,603045,10,L57.5
N,901692,603128,12,L57.6
N,901650,603207,14,L57.7
N,901597,603307,16.5,L57.8
N,901543,603408,19,L57.9
N,901485,603514,21.5,L57.10
N,901440,603600,23.5,L57.11
N,901396,603683,25.5,L57.12
N,901341,603786,27.5,L57.13
N,901298,603868,28.4,L57.14
N,901264,603930,28.6,L57.15
L17 - NB General Lanes - Inner,15,
N,901937,602691,4.8,L17.1
N,901889,602780,4.9,L17.2
N,901842,602868,5.7,L17.3
N,901792,602963,7.8,L17.4
N,901745,603049,9.8,L17.5

N,901700,603133,11.8,L17.6
N,901658,603213,13.8,L17.7
N,901605,603312,16.3,L17.8
N,901551,603414,18.8,L17.9
N,901494,603520,21.3,L17.10
N,901449,603605,23.3,L17.11
N,901405,603687,25.3,L17.12
N,901349,603792,27.3,L17.13
N,901306,603874,28.3,L17.14
N,901272,603935,28.3,L17.15
L7 - NB General Lanes - Outer,16,
N,901944,602696,4.8,L7.1
N,901897,602785,4.9,L7.2
N,901850,602872,5.7,L7.3
N,901798,602968,7.8,L7.4
N,901753,603055,9.8,L7.5
N,901709,603136,11.8,L7.6
N,901666,603216,13.8,L7.7
N,901612,603318,16.3,L7.8
N,901558,603417,18.8,L7.9
N,901501,603524,21.3,L7.10
N,901457,603609,23.3,L7.11
N,901413,603692,25.3,L7.12
N,901357,603797,27.3,L7.13
N,901314,603878,28.3,L7.14
N,901280,603940,28.3,L7.15
L30 - SB Poinsettia On-ramp,17,
N,901367,603665,25.3,L30.1
N,901306,603765,27.3,L30.2
N,901262,603849,28.5,L30.3
N,901229,603910,28.3,L30.4
N,901176,604007,27.6,L30.5
N,901127,604094,26.9,L30.6
N,901095,604145,26.4,L30.7
N,901057,604191,26.1,L30.8
N,901030,604220,26.2,L30.9
N,900992,604252,27.1,L30.10
N,900936,604291,28.4,L30.11
N,900915,604314,29,L30.12
N,900902,604341,29.4,L30.13
L29 - NB Poinsettia Off-ramp,18,
N,901284,603941,28.3,L29.1
N,901260,603985,28.2,L29.2
N,901240,604022,28.2,L29.3
N,901223,604055,27.7,L29.4
N,901192,604129,26.8,L29.5
N,901170,604185,26.3,L29.6
N,901146,604239,26.7,L29.7
N,901123,604293,28.6,L29.8
N,901111,604332,30.7,L29.9
N,901095,604390,33.2,L29.10
L31 - NB Poinsettia On-ramp,19,
N,901084,604430,33.4,L31.1
N,901067,604456,32.2,L31.2
N,901010,604511,27,L31.3
N,900979,604549,24.6,L31.4

N,900949,604590,23.5,L31.5
N,900915,604640,23.1,L31.6
N,900875,604709,22.8,L31.7
N,900826,604797,22.5,L31.8
N,900763,604907,21.8,L31.9
L32 - SB Poinsettia Off-ramp,20,
N,900889,604383,29.2,L32.1
N,900884,604430,27.6,L32.2
N,900878,604489,25.4,L32.3
N,900866,604547,24.2,L32.4
N,900848,604603,23.2,L32.5
N,900824,604658,22.9,L32.6
N,900808,604698,22.7,L32.7
N,900768,604784,22.3,L32.8
L10 - SB General Lanes - Outer,21,
N,901234,603912,28.3,L10.1
N,901194,603984,28.2,L10.2
N,901134,604096,27.3,L10.3
N,901092,604175,26.8,L10.4
N,901052,604250,26.2,L10.5
N,900997,604355,25.3,L10.6
N,900946,604451,24.8,L10.7
N,900878,604579,23.7,L10.8
N,900827,604676,23.2,L10.9
N,900768,604784,22.3,L10.10
L20 - SB General Lanes - Inner,22,
N,901242,603917,28.3,L20.1
N,901202,603989,28.2,L20.2
N,901142,604101,27.3,L20.3
N,901100,604179,26.8,L20.4
N,901059,604254,26.2,L20.5
N,901004,604359,25.3,L20.6
N,900953,604455,24.8,L20.7
N,900884,604583,23.7,L20.8
N,900833,604679,23.2,L20.9
N,900775,604788,22.3,L20.10
L60 - SB Future HOV Lanes,23,
N,901250,603921,28.6,L60.1
N,901211,603993,28.4,L60.2
N,901151,604106,27.5,L60.3
N,901109,604185,27,L60.4
N,901068,604261,26.5,L60.5
N,901013,604365,25.6,L60.6
N,900960,604462,25,L60.7
N,900893,604589,24,L60.8
N,900841,604685,23.4,L60.9
N,900784,604793,22.5,L60.10
L59 - NB Future HOV Lanes,24,
N,901264,603930,28.6,L59.1
N,901226,604002,28.4,L59.2
N,901166,604114,27.5,L59.3
N,901122,604195,27,L59.4
N,901082,604269,26.5,L59.5
N,901028,604372,25.6,L59.6
N,900975,604471,25,L59.7
N,900906,604598,24,L59.8

N,900856,604693,23.4,L59.9
N,900796,604806,22.5,L59.10
L19 - NB General Lanes - Inner,25,
N,901272,603935,28.3,L19.1
N,901233,604006,28.2,L19.2
N,901175,604118,27.3,L19.3
N,901131,604199,26.8,L19.4
N,901092,604273,26.2,L19.5
N,901037,604377,25.3,L19.6
N,900984,604475,24.8,L19.7
N,900917,604603,23.7,L19.8
N,900865,604698,23.2,L19.9
N,900804,604810,22.3,L19.10
L9 - NB General Lanes - Outer,26,
N,901280,603940,28.3,L9.1
N,901243,604011,28.2,L9.2
N,901183,604122,27.3,L9.3,
N,901139,604203,26.8,L9.4,
N,901099,604278,26.2,L9.5,
N,901044,604380,25.3,L9.6,
N,900992,604479,24.8,L9.7,
N,900923,604606,23.7,L9.8,
N,900873,604702,23.2,L9.9,
N,900812,604815,22.3,L9.10,
B7 - Nat Barrier SB Side at La Costa Bridge,1,2,0,0,
902175,602044,12,12,B7.1,0.0
902146,602108,16,16,B7.2,0.0
902114,602169,18,18,B7.3,0.0
902090,602217,19.2,19.2,B7.4,0.0
902115,602227,17.3,17.3,B7.5,0.0
902102,602258,16.8,16.8,B7.6,0.0
902067,602258,18.3,18.3,B7.7,0.0
902035,602255,20,20,B7.8,0.0
902011,602320,20,20,B7.9,0.0
901981,602348,19,19,B7.10,0.0
B14 - Nat Barrier SB Side Edge of Cut,2,2,0,0,
901981,602348,19,19,B14.1,0.0
901930,602402,20.5,20.5,B14.2,0.0
901896,602471,22,22,B14.3,0.0
901881,602510,22,22,B14.4,0.0
901868,602559,22,22,B14.5,0.0
901862,602586,20,20,B14.6,0.0
901820,602575,20,20,B14.7,0.0
B15 - Nat Bar SB Side La Costa Off-ramp,3,2,0,0,
902067,602258,18.3,18.3,B15.1,0.0
902039,602337,13.6,13.6,B15.2,0.0
902013,602414,9,9,B15.3,0.0
901993,602474,6.5,6.5,B15.4,0.0
B60 - Center Divider,4,2,0,0,
902187,602129,10.5,11.5,B60.1,3.3
902157,602218,8.5,9.5,B60.2,3.3
902124,602301,6.5,7.5,B60.3,3.3
902085,602378,5,6,B60.4,3.3
902034,602471,4.3,5.3,B60.5,3.3
901978,602576,4.7,5.7,B60.6,3.3
901922,602682,4.9,5.9,B60.7,3.3

901874,602771,5.1,6.1,B60.8,3.3
901828,602859,6,7,B60.9,3.3
901777,602953,8,9,B60.10,3.3
B61 - Center Divider,5,2,0,0,
901777,602953,8,9,B61.1,3.3
901728,603041,10,11,B61.2,3.3
901684,603125,12,13,B61.3,3.3
901643,603204,14,15,B61.4,3.3
901588,603306,16.5,17.5,B61.5,3.3
901535,603407,19,20,B61.6,3.3
901479,603512,21.5,22.5,B61.7,3.3
901433,603597,23.5,24.5,B61.8,3.3
901388,603679,25.5,26.5,B61.9,3.3
901335,603781,27.5,28.5,B61.10,3.3
B1 - Property Line SB Side R13.3 to 13.5,6,2,0,0,
901461,603022,24,24,B1.1,0.0
901474,603070,26,26,B1.2,0.0
901488,603116,32,32,B1.3,0.0
901499,603141,32,32,B1.4,0.0
901515,603184,32.4,32.4,B1.5,0.0
901511,603203,38,38,B1.6,0.0
B1 - 5.5' to 6' Prop Wall SB Side,7,2,0,0,
901476,603205,37.5,39.2,B1.6A,5.6
901511,603203,38,39.7,B1.6,5.6
901516,603230,38.7,40.4,B1.7,5.6
901513,603262,38.8,40.5,B1.8,5.6
901513,603262,38.8,40.6,B1.8,5.9
901492,603308,38.5,40.3,B1.9,5.9
901459,603376,38,39.8,B1.10,5.9
B6 - Nat Barrier SB Side ST 730,8,2,0,0,
901579,603207,10,10,B6.1,0.0
901540,603238,36,36,B6.2,0.0
901513,603262,38.8,38.8,B6.3,0.0
B2 - 6' Prop Wall SB Side,9,2,0,0,
901459,603376,38,39.8,B2.1,5.9
901441,603416,37.5,39.3,B2.2,5.9
901415,603473,38,39.8,B2.3,5.9
901397,603514,37.5,39.3,B2.4,5.9
901365,603586,35.5,37.3,B2.5,5.9
901335,603654,34,35.8,B2.6,5.9
B2 - Existing 9' Wall SB Side,10,2,0,0,
901335,603654,34,36.7,B2.6,8.9
901303,603725,33,35.7,B2.7,8.9
901281,603776,32.5,35.2,B2.8,8.9
901281,603776,32.5,32.5,B2.8,0.0
901253,603841,31,31,B2.9,0.0
901224,603903,29.6,29.6,B2.10,0.0
B3/103 - SB ROW/ Shldr ST 738 to 740,11,2,0,0,
901224,603903,29.6,29.6,B3.1,0.0
901205,603941,29,29,B3.2,0.0
901184,603981,28,28,B3.3,0.0
901155,604035,27.5,27.5,B3.4,0.0
901141,604056,27.2,27.2,B103.2,0.0
901141,604056,27.2,28.1,B103.2,3.0
901121,604089,26.9,27.8,B103.3,3.0
901106,604114,26.7,27.6,B103.4,3.0

901086,604140,26.4,27.3,B103.5,3.0
901066,604166,26.1,27,B103.6,3.0
B4 - Comm Bldg SB Side ST 739,12,2,0,0,
901173,603974,23,30.6,B4.1,24.9
901155,604006,23,30.6,B4.2,24.9
901125,603992,23,30.6,B4.3,24.9
B5 - Comm Bldg SB Side ST 740,13,2,0,0,
901111,604051,21.5,29.1,B5.1,24.9
901071,604115,21.5,29.1,B5.2,24.9
901055,604139,21.5,29.1,B5.3,24.9
901003,604193,21.5,29.1,B5.4,24.9
900960,604154,21.5,29.1,B5.5,24.9
B62 - Center Divider ST 736 to 745,14,2,0,0,
901335,603781,27.5,28.5,B62.1,3.3
901290,603865,28.4,29.4,B62.2,3.3
901257,603926,28.6,29.6,B62.3,3.3
901218,603998,28.4,29.4,B62.4,3.3
901157,604110,27.5,28.5,B62.5,3.3
901115,604191,27,28,B62.6,3.3
901075,604266,26.5,27.5,B62.7,3.3
901019,604369,25.6,26.6,B62.8,3.3
900968,604466,25,26,B62.9,3.3
900900,604593,24,25,B62.10,3.3
B20 - 6' Prop Wall SB Side,15,2,0,0,
901274,603603,26,27.8,B20.1,5.9
901290,603633,27,28.8,B20.2,5.9
901293,603660,28,29.8,B20.3,5.9
901288,603689,28.5,30.3,B20.4,5.9
901272,603722,28,29.8,B20.5,5.9
901248,603779,27.5,29.3,B20.6,5.9
901223,603835,27,28.8,B20.7,5.9
901208,603867,26,27.8,B20.8,5.9
901188,603897,25,26.8,B20.9,5.9
901163,603918,24,25.8,B20.10,5.9
B21 - 6' Prop Wall SB Side,16,2,0,0,
901163,603918,24,25.8,B21.1,5.9
901135,603931,23,24.8,B21.2,5.9
901112,603937,22.5,24.3,B21.3,5.9
901081,603939,22,23.8,B21.4,5.9
901044,603938,20.7,22.5,B21.5,5.9
R,1,67,4
901896,602443,23.9,R13.1
R,2,67,4
901873,602511,24.7,R13.2
R,3,67,4
901458,603032,26.6,R13.3
R,4,67,4
901474,603094,30.5,R13.4
R,5,67,4
901504,603178,34.2,R13.5
R,6,67,4
901504,603232,39.8,R13.6
R,7,67,4
901468,603298,36.5,R13.7
R,8,67,4
901419,603440,31,R13.8

R,9,67,4
901400,603456,32.7,R13.9
R,10,67,4
901332,603623,35,R13.10
R,11,67,4
901286,603658,27,R13.11
R,12,67,4
901265,603734,28,R13.12S
R,13,67,4
901229,603814,28.5,R13.13
R,14,67,4
901180,603900,26.1,R13.14
R,15,67,4
901126,603932,24.3,R13.15
R,16,67,4
901069,603936,22.8,R13.16
R,17,67,4
901859,602555,23.7,R13.2A
D,4.5
ALL,3
ALL,4
ALL,5
ALL,6
ALL,7
ALL,8
ALL,9
ALL,10
ALL,11
ALL,12
ALL,13
ALL,14
K,-5
ALL,6
ALL,7
ALL,9
K,-2.5
ALL,11
K,-4.5
ALL,12
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
13 LA COSTA TO POINSETTIA FUTURE BUILD WEST,BLD,FT

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	-	0.*							B7.1	230.8	
2	-	0.*							B7.2	226.2	
3	-	0.*							B7.3	176.1	
4	-	0.*							B7.4	88.5	
5	-	0.*							B7.5	110.3	
6	-	0.*							B7.6	114.9	
7	-	0.*							B7.7	105.6	
8	-	0.*							B7.8	227.4	
9	-	0.*							B7.9	134.7	
10	-	0.*							B14.1	243.8	
11	-	0.*							B14.2	252.4	
12	-	0.*							B14.3	137.0	
13	-	0.*							B14.4	166.4	
14	-	0.*							B14.5	91.0	
15	-	0.*							B14.6	142.5	
16	-	0.*							B15.1	275.4	
17	-	0.*							B15.2	267.0	
18	-	0.*							B15.3	207.6	
19	-	3.*							B60.1	308.2	
20	-	3.*							B60.2	293.1	
21	-	3.*							B60.3	283.3	
22	-	3.*							B60.4	348.0	
23	-	3.*							B60.5	390.4	
24	-	3.*							B60.6	393.2	
25	-	3.*							B60.7	331.8	
26	-	3.*							B60.8	325.9	
27	-	3.*							B60.9	350.9	
28	-	3.*							B61.1	330.5	
29	-	3.*							B61.2	311.2	
30	-	3.*							B61.3	292.0	
31	-	3.*							B61.4	380.3	
32	-	3.*							B61.5	374.3	
33	-	3.*							B61.6	390.4	
34	-	3.*							B61.7	317.2	
35	-	3.*							B61.8	306.9	
36	-	3.*							B61.9	377.2	
37	-	0.*							B1.1	163.3	
38	-	0.*							B1.2	159.0	

39	- 0.*	B1.3	89.7
40	- 0.*	B1.4	150.5
41	- 0.*	B1.5	66.4
42	- 6.*	B1.6A	115.1
43	- 6.*	B1.6	90.0
44	- 6.*	B1.7	105.5
45	- 6.*	B1.8	.3
46	- 6.*	B1.8	166.0
47	- 6.*	B1.9	248.0
48	- 0.*	B6.1	184.4
49	- 0.*	B6.2	118.9
50	- 6.*	B2.1	143.9
51	- 6.*	B2.2	205.5
52	- 6.*	B2.3	146.9
53	- 6.*	B2.4	258.5
54	- 6.*	B2.5	243.9
55	- 9.*	B2.6	255.6
56	- 9.*	B2.7	182.2
57	- 4.*	B2.8	8.9
58	- 0.*	B2.8	232.2
59	- 0.*	B2.9	224.7
60	- 0.*	B3.1	139.4
61	- 0.*	B3.2	148.3
62	- 0.*	B3.3	201.0
63	- 0.*	B3.4	82.9
64	- 2.*	B103.2	3.0
65	- 3.*	B103.2	126.6
66	- 3.*	B103.3	95.6
67	- 3.*	B103.4	107.6
68	- 3.*	B103.5	107.6
69	- 25.*	B4.1	120.4
70	- 25.*	B4.2	108.6
71	- 25.*	B5.1	247.6
72	- 25.*	B5.2	94.6
73	- 25.*	B5.3	246.0
74	- 25.*	B5.4	190.5
75	- 3.*	B62.1	312.7
76	- 3.*	B62.2	227.5
77	- 3.*	B62.3	268.6
78	- 3.*	B62.4	418.5
79	- 3.*	B62.5	299.3
80	- 3.*	B62.6	278.9
81	- 3.*	B62.7	384.6
82	- 3.*	B62.8	359.6
83	- 3.*	B62.9	472.6
84	- 6.*	B20.1	111.6
85	- 6.*	B20.2	89.2

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86    -  6.*                        B20.3      96.6
87    -  6.*                        B20.4     120.3
88    -  6.*                        B20.5     202.9
89    -  6.*                        B20.6     201.3
90    -  6.*                        B20.7     115.9
91    -  6.*                        B20.8     118.4
92    -  6.*                        B20.9     107.2

93    -  6.*                        B21.1     101.3
94    -  6.*                        B21.2      78.0
95    -  6.*                        B21.3     101.9
96    -  6.*                        B21.4     121.5
-------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
-------------------------------
 1  R13.1     67.    500.   73.5
 2  R13.2     67.    500.   76.6
 3  R13.3     67.    500.   66.5
 4  R13.4     67.    500.   67.5
 5  R13.5     67.    500.   69.7
 6  R13.6     67.    500.   61.1
 7  R13.7     67.    500.   56.9
 8  R13.8     67.    500.   61.1
 9  R13.9     67.    500.   56.7
10  R13.10    67.    500.   67.8
11  R13.11    67.    500.   61.0
12  R13.12S   67.    500.   60.5
13  R13.13    67.    500.   70.8
14  R13.14    67.    500.   72.2
15  R13.15    67.    500.   69.9
16  R13.16    67.    500.   68.0
17  R13.2A    67.    500.   74.2
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3.
 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 6. 6. 6. 6. 6. 6. 0. 0. 6.
 6. 6. 6. 6. 9. 9. 4. 0. 0. 0. 0. 0. 0. 2. 3. 3. 3. 3.25.25.25.25.25.25. 3.
 3. 3. 3. 3. 3. 3. 3. 3. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.
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13 La Costa to Poinsettia Future Build WEST,DGN,Ft
T-L6 - SB General Lanes - Outer,1,
3052,65,122,65,426,65,
T-L16 - SB General Lanes - Inner,2,
5217,65,183,65,0,65,
T-L56 - SB Future HOV Lanes,3,
3000,65,0,65,0,65,
T-L55 - NB Future HOV Lanes,4,
3000,65,0,65,0,65,
T-L15 - NB General Lanes - Inner,5,
5217,65,183,65,0,65,
T-L5 - NB General Lanes - Outer,6,
3052,65,122,65,426,65,
T-L26 - SB La Costa On-ramp,7,
950,45,24,45,26,45,
T-L25 - NB La Costa Off-ramp,8,
950,45,24,45,26,45
T-L27 - NB La Costa On-ramp,9
950,45,24,45,26,45
T-L28 - SB La Costa Off-ramp,10
950,45,24,45,26,45
T-L8 - SB General Lanes - Outer,11
3052,65,122,65,426,65
T-L18 - SB General Lanes - Inner,12
5217,65,183,65,0,65
T-L58 - SB Future HOV Lanes,13
3000,65,0,65,0,65
T-L57 - NB Future HOV Lanes,14
3000,65,0,65,0,65
T-L17 - NB General Lanes - Inner,15
5217,65,183,65,0,65
T-L7 - NB General Lanes - Outer,16
3052,65,122,65,426,65
T-L30 - SB Poinsettia On-ramp,17
950,45,24,45,26,45
T-L29 - NB Poinsettia Off-ramp,18
1900,45,48,45,52,45
T-L31 - NB Poinsettia On-ramp,19
950,45,24,45,26,45
T-L32 - SB Poinsettia Off-ramp,20
950,45,24,45,26,45
T-L10 - SB General Lanes - Outer,21
3052,65,122,65,426,65
T-L20 - SB General Lanes - Inner,22
5217,65,183,65,0,65
T-L60 - SB Future HOV Lanes,23
3000,65,0,65,0,65
T-L59 - NB Future HOV Lanes,24
3000,65,0,65,0,65
T-L19 - NB General Lanes - Inner,25
5217,65,183,65,0,65
T-L9 - NB General Lanes - Outer,26
3052,65,122,65,426,65
L6 - SB General Lanes - Outer,1
N,902237,601818,17.3,L6.6,
N,902211,601928,14.9,L6.7,

N,902183,602034,12.3,L6.8,
N,902162,602122,10.3,L6.9,
N,902134,602205,8.3,L6.10,
N,902100,602285,6.2,L6.11,
N,902061,602363,4.8,L6.12,
N,902011,602457,4.2,L6.13,
N,901955,602562,4.5,L6.14,
N,901898,602668,4.8,L6.15,
L16 - SB General Lanes - Inner,2,
N,902245,601821,17.3,L16.6
N,902218,601930,14.9,L16.7
N,902192,602036,12.3,L16.8
N,902169,602124,10.3,L16.9
N,902140,602209,8.3,L16.10
N,902109,602290,6.2,L16.11
N,902069,602367,4.8,L16.12
N,902019,602462,4.2,L16.13
N,901962,602567,4.5,L16.14
N,901906,602672,4.8,L16.15
L56 - SB Future HOV Lanes,3,
N,902255,601824,17.5,L56.6
N,902228,601932,15,L56.7
N,902201,602039,12.5,L56.8
N,902180,602127,10.5,L56.9
N,902151,602213,8.5,L56.10
N,902117,602294,6.5,L56.11
N,902077,602372,5,L56.12
N,902028,602467,4.3,L56.13
N,901971,602571,4.7,L56.14
N,901915,602676,4.9,L56.15
L55 - NB Future HOV Lanes,4,
N,902270,601826,17.5,L55.6
N,902245,601933,15,L55.7
N,902219,602044,12.5,L55.8
N,902195,602133,10.5,L55.9
N,902164,602226,8.5,L55.10
N,902130,602306,6.5,L55.11
N,902092,602382,5,L55.12
N,902041,602474,4.3,L55.13
N,901986,602580,4.7,L55.14
N,901929,602686,4.9,L55.15
L15 - NB General Lanes - Inner,5,
N,902280,601828,17.3,L15.6
N,902254,601933,14.4,L15.7
N,902227,602045,12.4,L15.8
N,902204,602137,10.1,L15.9
N,902173,602231,8.7,L15.10
N,902138,602311,6.7,L15.11
N,902100,602387,5.1,L15.12
N,902051,602480,4.2,L15.13
N,901993,602585,4.5,L15.14
N,901937,602691,4.8,L15.15
L5 - NB General Lanes - Outer,6,
N,902289,601831,17.3,L5.6
N,902264,601936,14.4,L5.7
N,902236,602048,12.4,L5.8

N,902212,602141,10.1,L5.9
N,902181,602234,8.7,L5.10
N,902146,602314,6.7,L5.11
N,902108,602391,5.1,L5.12
N,902057,602485,4.2,L5.13
N,902000,602590,4.5,L5.14
N,901944,602696,4.8,L5.15
L26 - SB La Costa On-ramp,7,
N,902265,601707,19.8,L26.1
N,902229,601825,16.9,L26.2
N,902209,601901,15,L26.3
N,902192,601960,13.6,L26.4
N,902163,602033,11.8,L26.5
N,902145,602070,12.3,L26.6
N,902097,602161,17.4,L26.7
N,902072,602211,19.2,L26.8
L25 - NB La Costa Off-ramp,8,
N,902289,601831,17.3,L25.1
N,902274,601917,15,L25.2
N,902265,601977,13.5,L25.3
N,902256,602036,12.3,L25.4
N,902253,602077,12,L25.5
N,902247,602116,12.8,L25.6
N,902234,602194,15,L25.7
N,902223,602241,15.5,L25.8
L27 - NB La Costa On-ramp,9,
N,902201,602284,13.5,L27.1
N,902153,602352,7.3,L27.2
N,902120,602403,4.6,L27.3
N,902089,602453,3.8,L27.4
N,902045,602522,3.8,L27.5
N,902017,602574,4,L27.6
N,901986,602628,4.4,L27.7
N,901944,602696,4.8,L27.8
L28 - SB La Costa Off-ramp,10,
N,902054,602260,18,L28.1
N,902029,602335,13.6,L28.2
N,902002,602411,9,L28.3
N,901966,602504,4.5,L28.4
N,901950,602541,3.9,L28.5
N,901919,602614,4.2,L28.6
N,901898,602668,4.8,L28.7
L8 - SB General Lanes - Outer,11,
N,901898,602668,4.8,L8.1
N,901850,602758,4.9,L8.2
N,901805,602844,5.7,L8.3
N,901753,602939,7.8,L8.4
N,901705,603028,9.8,L8.5
N,901660,603113,11.8,L8.6
N,901618,603191,13.8,L8.7
N,901564,603293,16.3,L8.8
N,901511,603394,18.8,L8.9
N,901454,603499,21.3,L8.10
N,901408,603584,23.3,L8.11
N,901367,603665,25.3,L8.12
N,901310,603768,27.3,L8.13

N,901266,603851,28.3,L8.14
N,901234,603912,28.3,L8.15
L18 - SB General Lanes - Inner,12,
N,901906,602672,4.8,L18.1
N,901858,602763,4.9,L18.2
N,901812,602847,5.7,L18.3
N,901761,602943,7.8,L18.4
N,901713,603032,9.8,L18.5
N,901667,603117,11.8,L18.6
N,901627,603195,13.8,L18.7
N,901572,603297,16.3,L18.8
N,901519,603398,18.8,L18.9
N,901462,603504,21.3,L18.10
N,901416,603588,23.3,L18.11
N,901373,603669,25.3,L18.12
N,901318,603773,27.3,L18.13
N,901275,603854,28.3,L18.14
N,901242,603917,28.3,L18.15
L58 - SB Future HOV Lanes,13,
N,901915,602676,4.9,L58.1
N,901866,602767,5.1,L58.2
N,901821,602852,6,L58.3
N,901770,602947,8,L58.4
N,901722,603036,10,L58.5
N,901675,603125,12,L58.6
N,901635,603199,14,L58.7
N,901581,603301,16.5,L58.8
N,901527,603402,19,L58.9
N,901470,603507,21.5,L58.10
N,901425,603593,23.5,L58.11
N,901381,603675,25.5,L58.12
N,901327,603776,27.5,L58.13
N,901282,603860,28.4,L58.14
N,901250,603921,28.6,L58.15
L57 - NB Future HOV Lanes,14,
N,901929,602686,4.9,L57.1
N,901882,602774,5.1,L57.2
N,901834,602862,6,L57.3
N,901783,602957,8,L57.4
N,901737,603045,10,L57.5
N,901692,603128,12,L57.6
N,901650,603207,14,L57.7
N,901597,603307,16.5,L57.8
N,901543,603408,19,L57.9
N,901485,603514,21.5,L57.10
N,901440,603600,23.5,L57.11
N,901396,603683,25.5,L57.12
N,901341,603786,27.5,L57.13
N,901298,603868,28.4,L57.14
N,901264,603930,28.6,L57.15
L17 - NB General Lanes - Inner,15,
N,901937,602691,4.8,L17.1
N,901889,602780,4.9,L17.2
N,901842,602868,5.7,L17.3
N,901792,602963,7.8,L17.4
N,901745,603049,9.8,L17.5

N,901700,603133,11.8,L17.6
N,901658,603213,13.8,L17.7
N,901605,603312,16.3,L17.8
N,901551,603414,18.8,L17.9
N,901494,603520,21.3,L17.10
N,901449,603605,23.3,L17.11
N,901405,603687,25.3,L17.12
N,901349,603792,27.3,L17.13
N,901306,603874,28.3,L17.14
N,901272,603935,28.3,L17.15
L7 - NB General Lanes - Outer,16,
N,901944,602696,4.8,L7.1
N,901897,602785,4.9,L7.2
N,901850,602872,5.7,L7.3
N,901798,602968,7.8,L7.4
N,901753,603055,9.8,L7.5
N,901709,603136,11.8,L7.6
N,901666,603216,13.8,L7.7
N,901612,603318,16.3,L7.8
N,901558,603417,18.8,L7.9
N,901501,603524,21.3,L7.10
N,901457,603609,23.3,L7.11
N,901413,603692,25.3,L7.12
N,901357,603797,27.3,L7.13
N,901314,603878,28.3,L7.14
N,901280,603940,28.3,L7.15
L30 - SB Poinsettia On-ramp,17,
N,901367,603665,25.3,L30.1
N,901306,603765,27.3,L30.2
N,901262,603849,28.5,L30.3
N,901229,603910,28.3,L30.4
N,901176,604007,27.6,L30.5
N,901127,604094,26.9,L30.6
N,901095,604145,26.4,L30.7
N,901057,604191,26.1,L30.8
N,901030,604220,26.2,L30.9
N,900992,604252,27.1,L30.10
N,900936,604291,28.4,L30.11
N,900915,604314,29,L30.12
N,900902,604341,29.4,L30.13
L29 - NB Poinsettia Off-ramp,18,
N,901284,603941,28.3,L29.1
N,901260,603985,28.2,L29.2
N,901240,604022,28.2,L29.3
N,901223,604055,27.7,L29.4
N,901192,604129,26.8,L29.5
N,901170,604185,26.3,L29.6
N,901146,604239,26.7,L29.7
N,901123,604293,28.6,L29.8
N,901111,604332,30.7,L29.9
N,901095,604390,33.2,L29.10
L31 - NB Poinsettia On-ramp,19,
N,901084,604430,33.4,L31.1
N,901067,604456,32.2,L31.2
N,901010,604511,27,L31.3
N,900979,604549,24.6,L31.4

N,900949,604590,23.5,L31.5
N,900915,604640,23.1,L31.6
N,900875,604709,22.8,L31.7
N,900826,604797,22.5,L31.8
N,900763,604907,21.8,L31.9
L32 - SB Poinsettia Off-ramp,20,
N,900889,604383,29.2,L32.1
N,900884,604430,27.6,L32.2
N,900878,604489,25.4,L32.3
N,900866,604547,24.2,L32.4
N,900848,604603,23.2,L32.5
N,900824,604658,22.9,L32.6
N,900808,604698,22.7,L32.7
N,900768,604784,22.3,L32.8
L10 - SB General Lanes - Outer,21,
N,901234,603912,28.3,L10.1
N,901194,603984,28.2,L10.2
N,901134,604096,27.3,L10.3
N,901092,604175,26.8,L10.4
N,901052,604250,26.2,L10.5
N,900997,604355,25.3,L10.6
N,900946,604451,24.8,L10.7
N,900878,604579,23.7,L10.8
N,900827,604676,23.2,L10.9
N,900768,604784,22.3,L10.10
L20 - SB General Lanes - Inner,22,
N,901242,603917,28.3,L20.1
N,901202,603989,28.2,L20.2
N,901142,604101,27.3,L20.3
N,901100,604179,26.8,L20.4
N,901059,604254,26.2,L20.5
N,901004,604359,25.3,L20.6
N,900953,604455,24.8,L20.7
N,900884,604583,23.7,L20.8
N,900833,604679,23.2,L20.9
N,900775,604788,22.3,L20.10
L60 - SB Future HOV Lanes,23,
N,901250,603921,28.6,L60.1
N,901211,603993,28.4,L60.2
N,901151,604106,27.5,L60.3
N,901109,604185,27,L60.4
N,901068,604261,26.5,L60.5
N,901013,604365,25.6,L60.6
N,900960,604462,25,L60.7
N,900893,604589,24,L60.8
N,900841,604685,23.4,L60.9
N,900784,604793,22.5,L60.10
L59 - NB Future HOV Lanes,24,
N,901264,603930,28.6,L59.1
N,901226,604002,28.4,L59.2
N,901166,604114,27.5,L59.3
N,901122,604195,27,L59.4
N,901082,604269,26.5,L59.5
N,901028,604372,25.6,L59.6
N,900975,604471,25,L59.7
N,900906,604598,24,L59.8

N,900856,604693,23.4,L59.9
N,900796,604806,22.5,L59.10
L19 - NB General Lanes - Inner,25,
N,901272,603935,28.3,L19.1
N,901233,604006,28.2,L19.2
N,901175,604118,27.3,L19.3
N,901131,604199,26.8,L19.4
N,901092,604273,26.2,L19.5
N,901037,604377,25.3,L19.6
N,900984,604475,24.8,L19.7
N,900917,604603,23.7,L19.8
N,900865,604698,23.2,L19.9
N,900804,604810,22.3,L19.10
L9 - NB General Lanes - Outer,26,
N,901280,603940,28.3,L9.1
N,901243,604011,28.2,L9.2
N,901183,604122,27.3,L9.3,
N,901139,604203,26.8,L9.4,
N,901099,604278,26.2,L9.5,
N,901044,604380,25.3,L9.6,
N,900992,604479,24.8,L9.7,
N,900923,604606,23.7,L9.8,
N,900873,604702,23.2,L9.9,
N,900812,604815,22.3,L9.10,
B7 - Nat Barrier SB Side at La Costa Bridge,1,2,0,0,
902115,602227,17.3,17.3,B7.5,
902102,602258,16.8,16.8,B7.6,
902067,602258,18.3,18.3,B7.7,
902035,602255,20,20,B7.8,
902011,602320,20,20,B7.9,
901981,602348,19,19,B7.10,
B14 - Nat Barrier SB Side Edge of Cut,2,2,0,0,
901981,602348,19,19,B14.1,
901930,602402,20.5,20.5,B14.2,
901921,602425,21,21,B14.2A,
901921,602425,21,23.4,B14.2A,
901896,602471,22,24.4,B14.3,
901881,602510,22,24.4,B14.4,
901868,602559,22,24.4,B14.5,
901862,602586,20,22.4,B14.6,
901820,602575,20,22.4,B14.7,
B15 - Nat Bar SB Side La Costa Off-ramp,3,2,0,0,
902067,602258,18.3,18.3,B15.1,
902039,602337,13.6,13.6,B15.2,
902013,602414,9,9,B15.3,
901993,602474,6.5,6.5,B15.4,
B60 - Center Divider,4,2,0,0,
902187,602129,10.5,11.5,B60.1,
902157,602218,8.5,9.5,B60.2,
902124,602301,6.5,7.5,B60.3,
902085,602378,5,6,B60.4,
902034,602471,4.3,5.3,B60.5,
901978,602576,4.7,5.7,B60.6,
901922,602682,4.9,5.9,B60.7,
901874,602771,5.1,6.1,B60.8,
901828,602859,6,7,B60.9,

901777,602953,8,9,B60.10,
B61 - Center Divider,5,2,0,0,
901777,602953,8,9,B61.1,
901728,603041,10,11,B61.2,
901684,603125,12,13,B61.3,
901643,603204,14,15,B61.4,
901588,603306,16.5,17.5,B61.5,
901535,603407,19,20,B61.6,
901479,603512,21.5,22.5,B61.7,
901433,603597,23.5,24.5,B61.8,
901388,603679,25.5,26.5,B61.9,
901335,603781,27.5,28.5,B61.10,
B1 - Property Line SB Side R13.3 to 13.5,6,2,0,0,
901461,603022,24,27.7,B1.1,
901474,603070,26,29.7,B1.2,
901474,603070,26,29.0,B1.2,
901488,603116,32,35.0,B1.3,
901499,603141,32,35.0,B1.4,
901515,603184,32,35.0,B1.5,
901513,603194,35,35.0,B1.5A,
901511,603203,38,38,B1.6,
B1 - 5.5' to 6' Prop Wall SB Side,7,2,0,0,
901476,603205,37.5,39.2,B1.6A,
901511,603203,38,39.7,B1.6,
901516,603230,38.7,40.4,B1.7,
901513,603262,38.8,40.5,B1.8,
901513,603262,38.8,40.6,B1.8,
901492,603308,38.5,40.3,B1.9,
901459,603376,38,39.8,B1.10,
B6 - Nat Barrier SB Side ST 730,8,2,0,0,
901579,603207,10,10,B6.1,
901540,603238,36,36,B6.2,
901513,603262,38.8,38.8,B6.3,
B2 - 6' Prop Wall SB Side,9,2,0,0,
901459,603376,38,39.8,B2.1,
901441,603416,37.5,39.3,B2.2,
901415,603473,38,39.8,B2.3,
901397,603514,37.5,39.3,B2.4,
901365,603586,35.5,37.3,B2.5,
901365,603586,35.5,37.3,B2.5,
901335,603654,34,35.8,B2.6,
B2 - Existing 9' Wall SB Side,10,2,0,0,
901335,603654,34,36.7,B2.6,
901303,603725,33,35.7,B2.7,
901281,603776,32.5,35.2,B2.8,
901281,603776,32.5,36.8,B2.8,
901253,603841,31,35.3,B2.9,
901224,603903,29.6,33.9,B2.10,
B3/103 - SB ROW/ Shldr ST 738 to 740,11,2,0,0,
901224,603903,29.6,33.9,B3.1,
901205,603941,29,33.3,B3.2,
901205,603941,29,33.3,B3.2,
901184,603981,28,32.3,B3.3,
B3/103 - SB ROW/ Shldr ST 738 to 740,12,2,0,0,
901184,603981,28,32.3,B3.3,
901155,604035,27.5,31.8,B3.4,

901141,604056,27.2,31.5,B103.2,
901121,604089,26.9,31.2,B103.3,
901106,604114,26.7,31.0,B103.4,
901086,604140,26.4,30.7,B103.5,
901086,604140,26.4,30.7,B103.5,
901066,604166,26.1,30.4,B103.6,
B4 - Comm Bldg SB Side ST 739,13,2,0,0,
901173,603974,23,30.6,B4.1,
901155,604006,23,30.6,B4.2,
901125,603992,23,30.6,B4.3,
B5 - Comm Bldg SB Side ST 740,14,2,0,0,
901111,604051,21.5,29.1,B5.1,
901071,604115,21.5,29.1,B5.2,
901055,604139,21.5,29.1,B5.3,
901003,604193,21.5,29.1,B5.4,
900960,604154,21.5,29.1,B5.5,
B62 - Center Divider ST 736 to 745,15,2,0,0,
901335,603781,27.5,28.5,B62.1,
901290,603865,28.4,29.4,B62.2,
901257,603926,28.6,29.6,B62.3,
901218,603998,28.4,29.4,B62.4,
901157,604110,27.5,28.5,B62.5,
901115,604191,27,28,B62.6,
901075,604266,26.5,27.5,B62.7,
901019,604369,25.6,26.6,B62.8,
900968,604466,25,26,B62.9,
900900,604593,24,25,B62.10,
B20 - 6' Prop Wall SB Side,16,2,0,0,
901274,603603,26,27.8,B20.1,
901290,603633,27,28.8,B20.2,
901293,603660,28,29.8,B20.3,
901288,603689,28.5,30.3,B20.4,
901272,603722,28,29.8,B20.5,
901248,603779,27.5,29.3,B20.6,
901223,603835,27,28.8,B20.7,
901208,603867,26,27.8,B20.8,
901188,603897,25,26.8,B20.9,
901163,603918,24,25.8,B20.10,
B21 - 6' Prop Wall SB Side,17,2,0,0,
901163,603918,24,25.8,B21.1,
901135,603931,23,24.8,B21.2,
901112,603937,22.5,24.3,B21.3,
901081,603939,22,23.8,B21.4,
901044,603938,20.7,22.5,B21.5,
R,1,67,4
901896,602443,23.9,R13.1
R,2,67,4
901873,602511,24.7,R13.2
R,3,67,4
901458,603032,26.6,R13.3
R,4,67,4
901474,603094,30.5,R13.4
R,5,67,4
901504,603178,34.2,R13.5
R,6,67,4
901504,603232,39.8,R13.6

R,7,67,4
901468,603298,36.5,R13.7
R,8,67,4
901419,603440,31,R13.8
R,9,67,4
901400,603456,32.7,R13.9
R,10,67,4
901332,603623,35,R13.10
R,11,67,4
901286,603658,27,R13.11
R,12,67,4
901265,603734,28,R13.12S
R,13,67,4
901229,603814,28.5,R13.13
R,14,67,4
901180,603900,26.1,R13.14
R,15,67,4
901126,603932,24.3,R13.15
R,16,67,4
901069,603936,22.8,R13.16
R,17,67,4
901859,602555,23.7,R13.2A
D,4.5
ALL,3,4,5
ALL,6,7,8
ALL,9,10,11
ALL,12,13,14
K,-5
ALL,6,7,9
K,-2.5
ALL,11
K,-4.5
ALL,12
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SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
13 LA COSTA TO POINSETTIA FUTURE BUILD WEST,DGN,FT

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	-	0.*							B7.5	110.3	
2	-	0.*							B7.6	114.9	
3	-	0.*							B7.7	105.6	
4	-	0.*							B7.8	227.4	
5	-	0.*							B7.9	134.7	
6	-	0.*							B14.1	243.8	
7	-	0.*							B14.2	81.1	
8	-	4.*							B14.2A	7.9	
9	-	8.*							B14.2A	171.8	
10	-	8.*							B14.3	137.0	
11	-	8.*							B14.4	166.4	
12	-	8.*							B14.5	91.0	
13	-	8.*							B14.6	142.5	
14	-	0.*							B15.1	275.4	
15	-	0.*							B15.2	267.0	
16	-	0.*							B15.3	207.6	
17	-	3.*							B60.1	308.2	
18	-	3.*							B60.2	293.1	
19	-	3.*							B60.3	283.3	
20	-	3.*							B60.4	348.0	
21	-	3.*							B60.5	390.4	
22	-	3.*							B60.6	393.2	
23	-	3.*							B60.7	331.8	
24	-	3.*							B60.8	325.9	
25	-	3.*							B60.9	350.9	
26	-	3.*							B61.1	330.5	
27	-	3.*							B61.2	311.2	
28	-	3.*							B61.3	292.0	
29	-	3.*							B61.4	380.3	
30	-	3.*							B61.5	374.3	
31	-	3.*							B61.6	390.4	
32	-	3.*							B61.7	317.2	
33	-	3.*							B61.8	306.9	
34	-	3.*							B61.9	377.2	
35	-	12.*							B1.1	163.3	
36	-	11.*							B1.2	2.3	
37	-	10.*							B1.2	159.0	
38	-	10.*							B1.3	89.7	

39	- 10.*	B1.4	150.5
40	- 5.*	B1.5	33.5
41	- 0.*	B1.5A	31.9
42	- 6.*	B1.6A	115.1
43	- 6.*	B1.6	90.0
44	- 6.*	B1.7	105.5
45	- 6.*	B1.8	.3
46	- 6.*	B1.8	166.0
47	- 6.*	B1.9	248.0
48	- 0.*	B6.1	184.4
49	- 0.*	B6.2	118.9
50	- 6.*	B2.1	143.9
51	- 6.*	B2.2	205.5
52	- 6.*	B2.3	146.9
53	- 6.*	B2.4	258.5
54	- 6.*	B2.5	.0
55	- 6.*	B2.5	243.9
56	- 9.*	B2.6	255.6
57	- 9.*	B2.7	182.2
58	- 12.*	B2.8	5.2
59	- 14.*	B2.8	232.2
60	- 14.*	B2.9	224.7
61	- 14.*	B3.1	139.4
62	- 14.*	B3.2	.0
63	- 14.*	B3.2	148.3
64	- 14.*	B3.3	201.0
65	- 14.*	B3.4	82.9
66	- 14.*	B103.2	126.6
67	- 14.*	B103.3	95.6
68	- 14.*	B103.4	107.6
69	- 14.*	B103.5	.0
70	- 14.*	B103.5	107.6
71	- 25.*	B4.1	120.4
72	- 25.*	B4.2	108.6
73	- 25.*	B5.1	247.6
74	- 25.*	B5.2	94.6
75	- 25.*	B5.3	246.0
76	- 25.*	B5.4	190.5
77	- 3.*	B62.1	312.7
78	- 3.*	B62.2	227.5
79	- 3.*	B62.3	268.6
80	- 3.*	B62.4	418.5
81	- 3.*	B62.5	299.3
82	- 3.*	B62.6	278.9
83	- 3.*	B62.7	384.6
84	- 3.*	B62.8	359.6
85	- 3.*	B62.9	472.6

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86    -  6.*                        B20.1     111.6
87    -  6.*                        B20.2      89.2
88    -  6.*                        B20.3      96.6
89    -  6.*                        B20.4     120.3
90    -  6.*                        B20.5     202.9
91    -  6.*                        B20.6     201.3
92    -  6.*                        B20.7     115.9
93    -  6.*                        B20.8     118.4
94    -  6.*                        B20.9     107.2

95    -  6.*                        B21.1     101.3
96    -  6.*                        B21.2      78.0
97    -  6.*                        B21.3     101.9
98    -  6.*                        B21.4     121.5
-------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
 REC REC ID    DNL  PEOPLE   LEQ(CAL)
 ---------------------------------
  1  R13.1     67.    500.   69.3
  2  R13.2     67.    500.   70.9
  3  R13.3     67.    500.   61.6
  4  R13.4     67.    500.   62.3
  5  R13.5     67.    500.   65.0
  6  R13.6     67.    500.   61.1
  7  R13.7     67.    500.   56.9
  8  R13.8     67.    500.   61.0
  9  R13.9     67.    500.   56.7
 10  R13.10    67.    500.   67.7
 11  R13.11    67.    500.   59.4
 12  R13.12S   67.    500.   58.8
 13  R13.13    67.    500.   64.7
 14  R13.14    67.    500.   65.0
 15  R13.15    67.    500.   64.4
 16  R13.16    67.    500.   63.4
 17  R13.2A    67.    500.   69.1
 BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
  0. 0. 0. 0. 0. 0. 0. 4. 8. 8. 8. 8. 8. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3.
  3. 3. 3. 3. 3. 3. 3. 3. 3.12.11.10.10.10. 5. 0. 6. 6. 6. 6. 6. 6. 0. 0. 6.
  6. 6. 6. 6. 6. 9. 9.12.14.14.14.14.14.14.14.14.14.14.14.14.25.25.25.25.25.
 25. 3. 3. 3. 3. 3. 3. 3. 3. 3. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.
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13 La Costa to Poinsettia No Build EAST,0,Ft
T-L6 - SB General Lanes - Outer,1,
0,65,0,65,0,55,
T-L16 - SB General Lanes - Inner,2,
3269,65,87,65,244,65,
T-L56 - SB Future HOV Lanes,3,
3513,65,87,65,0,65,
T-L55 - NB Future HOV Lanes,4,
3513,65,87,65,0,65,
T-L15 - NB General Lanes - Inner,5,
3269,65,87,65,244,65,
T-L5 - NB General Lanes - Outer,6,
0,65,0,65,0,55,
T-L26 - SB La Costa On-ramp,7,
760,45,19,45,21,45,
T-L25 - NB La Costa Off-ramp,8,
789,45,20,45,22,45
T-L27 - NB La Costa On-ramp,9
627,45,16,45,17,45
T-L28 - SB La Costa Off-ramp,10
760,45,19,45,21,45
T-L8 - SB General Lanes - Outer,11
0,65,0,65,0,55
T-L18 - SB General Lanes - Inner,12
3269,65,87,65,244,65
T-L58 - SB Future HOV Lanes,13
3513,65,87,65,0,65
T-L57 - NB Future HOV Lanes,14
3513,65,87,65,0,65
T-L17 - NB General Lanes - Inner,15
3269,65,87,65,244,65
T-L7 - NB General Lanes - Outer,16
0,65,0,65,0,55
T-L30 - SB Poinsettia On-ramp,17
656,45,17,45,18,45
T-L29 - NB Poinsettia Off-ramp,18
703,45,18,45,19,45
T-L31 - NB Poinsettia On-ramp,19
494,45,12,45,14,45
T-L32 - SB Poinsettia Off-ramp,20
513,45,13,45,14,45
T-L10 - SB General Lanes - Outer,21
0,65,0,65,0,55
T-L20 - SB General Lanes - Inner,22
3269,65,87,65,244,65
T-L60 - SB Future HOV Lanes,23
3513,65,87,65,0,65
T-L59 - NB Future HOV Lanes,24
3513,65,87,65,0,65
T-L19 - NB General Lanes - Inner,25
3269,65,87,65,244,65
T-L9 - NB General Lanes - Outer,26
0,65,0,65,0,55
L6 - SB General Lanes - Outer,1
N,902237,601818,17.3,L6.6,
N,902211,601928,14.9,L6.7,

N,902183,602034,12.3,L6.8,
N,902162,602122,10.3,L6.9,
N,902134,602205,8.3,L6.10,
N,902100,602285,6.2,L6.11,
N,902061,602363,4.8,L6.12,
N,902011,602457,4.2,L6.13,
N,901955,602562,4.5,L6.14,
N,901898,602668,4.8,L6.15,
L16 - SB General Lanes - Inner,2,
N,902245,601821,17.3,L16.6
N,902218,601930,14.9,L16.7
N,902192,602036,12.3,L16.8
N,902169,602124,10.3,L16.9
N,902140,602209,8.3,L16.10
N,902109,602290,6.2,L16.11
N,902069,602367,4.8,L16.12
N,902019,602462,4.2,L16.13
N,901962,602567,4.5,L16.14
N,901906,602672,4.8,L16.15
L56 - SB Future HOV Lanes,3,
N,902255,601824,17.5,L56.6
N,902228,601932,15,L56.7
N,902201,602039,12.5,L56.8
N,902180,602127,10.5,L56.9
N,902151,602213,8.5,L56.10
N,902117,602294,6.5,L56.11
N,902077,602372,5,L56.12
N,902028,602467,4.3,L56.13
N,901971,602571,4.7,L56.14
N,901915,602676,4.9,L56.15
L55 - NB Future HOV Lanes,4,
N,902270,601826,17.5,L55.6
N,902245,601933,15,L55.7
N,902219,602044,12.5,L55.8
N,902195,602133,10.5,L55.9
N,902164,602226,8.5,L55.10
N,902130,602306,6.5,L55.11
N,902092,602382,5,L55.12
N,902041,602474,4.3,L55.13
N,901986,602580,4.7,L55.14
N,901929,602686,4.9,L55.15
L15 - NB General Lanes - Inner,5,
N,902280,601828,17.3,L15.6
N,902254,601933,14.4,L15.7
N,902227,602045,12.4,L15.8
N,902204,602137,10.1,L15.9
N,902173,602231,8.7,L15.10
N,902138,602311,6.7,L15.11
N,902100,602387,5.1,L15.12
N,902051,602480,4.2,L15.13
N,901993,602585,4.5,L15.14
N,901937,602691,4.8,L15.15
L5 - NB General Lanes - Outer,6,
N,902289,601831,17.3,L5.6
N,902264,601936,14.4,L5.7
N,902236,602048,12.4,L5.8

N,902212,602141,10.1,L5.9
N,902181,602234,8.7,L5.10
N,902146,602314,6.7,L5.11
N,902108,602391,5.1,L5.12
N,902057,602485,4.2,L5.13
N,902000,602590,4.5,L5.14
N,901944,602696,4.8,L5.15
L26 - SB La Costa On-ramp,7,
N,902265,601707,19.8,L26.1
N,902229,601825,16.9,L26.2
N,902209,601901,15,L26.3
N,902192,601960,13.6,L26.4
N,902163,602033,11.8,L26.5
N,902145,602070,12.3,L26.6
N,902097,602161,17.4,L26.7
N,902072,602211,19.2,L26.8
L25 - NB La Costa Off-ramp,8,
N,902289,601831,17.3,L25.1
N,902274,601917,15,L25.2
N,902265,601977,13.5,L25.3
N,902256,602036,12.3,L25.4
N,902253,602077,12,L25.5
N,902247,602116,12.8,L25.6
N,902234,602194,15,L25.7
N,902223,602241,15.5,L25.8
L27 - NB La Costa On-ramp,9,
N,902201,602284,13.5,L27.1
N,902153,602352,7.3,L27.2
N,902120,602403,4.6,L27.3
N,902089,602453,3.8,L27.4
N,902045,602522,3.8,L27.5
N,902017,602574,4,L27.6
N,901986,602628,4.4,L27.7
N,901944,602696,4.8,L27.8
L28 - SB La Costa Off-ramp,10,
N,902054,602260,18,L28.1
N,902029,602335,13.6,L28.2
N,902002,602411,9,L28.3
N,901966,602504,4.5,L28.4
N,901950,602541,3.9,L28.5
N,901919,602614,4.2,L28.6
N,901898,602668,4.8,L28.7
L8 - SB General Lanes - Outer,11,
N,901898,602668,4.8,L8.1
N,901850,602758,4.9,L8.2
N,901805,602844,5.7,L8.3
N,901753,602939,7.8,L8.4
N,901705,603028,9.8,L8.5
N,901660,603113,11.8,L8.6
N,901618,603191,13.8,L8.7
N,901564,603293,16.3,L8.8
N,901511,603394,18.8,L8.9
N,901454,603499,21.3,L8.10
N,901408,603584,23.3,L8.11
N,901367,603665,25.3,L8.12
N,901310,603768,27.3,L8.13

N,901266,603851,28.3,L8.14
N,901234,603912,28.3,L8.15
L18 - SB General Lanes - Inner,12,
N,901906,602672,4.8,L18.1
N,901858,602763,4.9,L18.2
N,901812,602847,5.7,L18.3
N,901761,602943,7.8,L18.4
N,901713,603032,9.8,L18.5
N,901667,603117,11.8,L18.6
N,901627,603195,13.8,L18.7
N,901572,603297,16.3,L18.8
N,901519,603398,18.8,L18.9
N,901462,603504,21.3,L18.10
N,901416,603588,23.3,L18.11
N,901373,603669,25.3,L18.12
N,901318,603773,27.3,L18.13
N,901275,603854,28.3,L18.14
N,901242,603917,28.3,L18.15
L58 - SB Future HOV Lanes,13,
N,901915,602676,4.9,L58.1
N,901866,602767,5.1,L58.2
N,901821,602852,6,L58.3
N,901770,602947,8,L58.4
N,901722,603036,10,L58.5
N,901675,603125,12,L58.6
N,901635,603199,14,L58.7
N,901581,603301,16.5,L58.8
N,901527,603402,19,L58.9
N,901470,603507,21.5,L58.10
N,901425,603593,23.5,L58.11
N,901381,603675,25.5,L58.12
N,901327,603776,27.5,L58.13
N,901282,603860,28.4,L58.14
N,901250,603921,28.6,L58.15
L57 - NB Future HOV Lanes,14,
N,901929,602686,4.9,L57.1
N,901882,602774,5.1,L57.2
N,901834,602862,6,L57.3
N,901783,602957,8,L57.4
N,901737,603045,10,L57.5
N,901692,603128,12,L57.6
N,901650,603207,14,L57.7
N,901597,603307,16.5,L57.8
N,901543,603408,19,L57.9
N,901485,603514,21.5,L57.10
N,901440,603600,23.5,L57.11
N,901396,603683,25.5,L57.12
N,901341,603786,27.5,L57.13
N,901298,603868,28.4,L57.14
N,901264,603930,28.6,L57.15
L17 - NB General Lanes - Inner,15,
N,901937,602691,4.8,L17.1
N,901889,602780,4.9,L17.2
N,901842,602868,5.7,L17.3
N,901792,602963,7.8,L17.4
N,901745,603049,9.8,L17.5

N,901700,603133,11.8,L17.6
N,901658,603213,13.8,L17.7
N,901605,603312,16.3,L17.8
N,901551,603414,18.8,L17.9
N,901494,603520,21.3,L17.10
N,901449,603605,23.3,L17.11
N,901405,603687,25.3,L17.12
N,901349,603792,27.3,L17.13
N,901306,603874,28.3,L17.14
N,901272,603935,28.3,L17.15
L7 - NB General Lanes - Outer,16,
N,901944,602696,4.8,L7.1
N,901897,602785,4.9,L7.2
N,901850,602872,5.7,L7.3
N,901798,602968,7.8,L7.4
N,901753,603055,9.8,L7.5
N,901709,603136,11.8,L7.6
N,901666,603216,13.8,L7.7
N,901612,603318,16.3,L7.8
N,901558,603417,18.8,L7.9
N,901501,603524,21.3,L7.10
N,901457,603609,23.3,L7.11
N,901413,603692,25.3,L7.12
N,901357,603797,27.3,L7.13
N,901314,603878,28.3,L7.14
N,901280,603940,28.3,L7.15
L30 - SB Poinsettia On-ramp,17,
N,901367,603665,25.3,L30.1
N,901306,603765,27.3,L30.2
N,901262,603849,28.5,L30.3
N,901229,603910,28.3,L30.4
N,901176,604007,27.6,L30.5
N,901127,604094,26.9,L30.6
N,901095,604145,26.4,L30.7
N,901057,604191,25.8,L30.8
N,901030,604220,26,L30.9
N,900992,604252,36.8,L30.10
N,900936,604291,28.2,L30.11
N,900915,604314,28.8,L30.12
N,900902,604341,29.4,L30.13
L29 - NB Poinsettia Off-ramp,18,
N,901413,603692,25.3,L29.1
N,901361,603799,27.3,L29.2
N,901317,603880,28.3,L29.3
N,901284,603941,28.3,L29.4
N,901229,604044,27.7,L29.5
N,901207,604093,27.5,L29.6
N,901169,604184,26.4,L29.7
N,901154,604222,26.8,L29.8
N,901131,604277,28.7,L29.9
N,901110,604332,31.4,L29.10
N,901096,604389,33.2,L29.11
L31 - NB Poinsettia On-ramp,19,
N,901084,604430,33.4,L31.1
N,901067,604456,32.2,L31.2
N,901010,604511,27,L31.3

N,900979,604549,24.6,L31.4
N,900949,604590,23.5,L31.5
N,900915,604640,23.1,L31.6
N,900875,604709,22.8,L31.7
N,900826,604797,22.5,L31.8
N,900763,604907,21.8,L31.9
L32 - SB Poinsettia Off-ramp,20,
N,900889,604383,29.2,L32.1
N,900884,604430,27.6,L32.2
N,900878,604489,25.4,L32.3
N,900866,604547,24.2,L32.4
N,900848,604603,23.2,L32.5
N,900824,604658,22.9,L32.6
N,900808,604698,22.7,L32.7
N,900768,604784,22.3,L32.8
L10 - SB General Lanes - Outer,21,
N,901234,603912,28.3,L10.1
N,901194,603984,28.2,L10.2
N,901134,604096,27.3,L10.3
N,901092,604175,26.8,L10.4
N,901052,604250,26.2,L10.5
N,900997,604355,25.3,L10.6
N,900946,604451,24.8,L10.7
N,900878,604579,23.7,L10.8
N,900827,604676,23.2,L10.9
N,900768,604784,22.3,L10.10
L20 - SB General Lanes - Inner,22,
N,901242,603917,28.3,L20.1
N,901202,603989,28.2,L20.2
N,901142,604101,27.3,L20.3
N,901100,604179,26.8,L20.4
N,901059,604254,26.2,L20.5
N,901004,604359,25.3,L20.6
N,900953,604455,24.8,L20.7
N,900884,604583,23.7,L20.8
N,900833,604679,23.2,L20.9
N,900775,604788,22.3,L20.10
L60 - SB Future HOV Lanes,23,
N,901250,603921,28.6,L60.1
N,901211,603993,28.4,L60.2
N,901151,604106,27.5,L60.3
N,901109,604185,27,L60.4
N,901068,604261,26.5,L60.5
N,901013,604365,25.6,L60.6
N,900960,604462,25,L60.7
N,900893,604589,24,L60.8
N,900841,604685,23.4,L60.9
N,900784,604793,22.5,L60.10
L59 - NB Future HOV Lanes,24,
N,901264,603930,28.6,L59.1
N,901226,604002,28.4,L59.2
N,901166,604114,27.5,L59.3
N,901122,604195,27,L59.4
N,901082,604269,26.5,L59.5
N,901028,604372,25.6,L59.6
N,900975,604471,25,L59.7

N,900906,604598,24,L59.8
N,900856,604693,23.4,L59.9
N,900796,604806,22.5,L59.10
L19 - NB General Lanes - Inner,25,
N,901272,603935,28.3,L19.1
N,901233,604006,28.2,L19.2
N,901175,604118,27.3,L19.3
N,901131,604199,26.8,L19.4
N,901092,604273,26.2,L19.5
N,901037,604377,25.3,L19.6
N,900984,604475,24.8,L19.7
N,900917,604603,23.7,L19.8
N,900865,604698,23.2,L19.9
N,900804,604810,22.3,L19.10
L9 - NB General Lanes - Outer,26,
N,901280,603940,28.3,L9.1
N,901243,604011,28.2,L9.2
N,901183,604122,27.3,L9.3
N,901139,604203,26.8,L9.4
N,901099,604278,26.2,L9.5
N,901044,604380,25.3,L9.6
N,900992,604479,24.8,L9.7
N,900923,604606,23.7,L9.8
N,900873,604702,23.2,L9.9
N,900812,604815,22.3,L9.10
B17 - NB Shoulder ST 725 to 731,1,2,0,0
901856,602877,5.7,5.7,B17.1
901805,602973,7.8,7.8,B17.2
901760,603058,9.8,9.8,B17.3
901715,603141,11.8,11.8,B17.4
901672,603221,13.8,13.8,B17.5
901618,603322,16.3,16.3,B17.6
B60 - Center Divider,2,2,0,0
902187,602129,10.5,11.5,B60.1
902157,602218,8.5,9.5,B60.2
902124,602301,6.5,7.5,B60.3
902085,602378,5,6,B60.4
902034,602471,4.3,5.3,B60.5
901978,602576,4.7,5.7,B60.6
901922,602682,4.9,5.9,B60.7
901874,602771,5.1,6.1,B60.8
901828,602859,6,7,B60.9
901777,602953,8,9,B60.10
B61 - Center Divider,3,2,0,0
901777,602953,8,9,B61.1
901728,603041,10,11,B61.2
901684,603125,12,13,B61.3
901643,603204,14,15,B61.4
901588,603306,16.5,17.5,B61.5
901535,603407,19,20,B61.6
901479,603512,21.5,22.5,B61.7
901433,603597,23.5,24.5,B61.8
901388,603679,25.5,26.5,B61.9
901335,603781,27.5,28.5,B61.10
B8 - Nat Barrier to ROW NB Side,4,2,0,0
901623,603317,12,12,B8.1

901613,603336,20,20,B8.2
901611,603375,28,28,B8.3
901606,603404,34,34,B8.4
901602,603442,41,41,B8.5
901578,603489,42,42,B18.2
901553,603530,41.5,41.5,B18.3
901511,603595,40,40,B18.4
B8 - ROW NB Side,5,2,0,0
901603,603463,41.5,41.5,B8.6
901583,603493,42.1,42.1,B8.7
901535,603567,41,41,B8.8
901484,603651,40,40,B8.9
901451,603707,39.8,39.8,B8.10
B10 - Property Line,6,2,0,0
901609,603519,43.5,43.5,B10.1
901585,603525,43.5,43.5,B10.2
901592,603551,42.8,42.8,B10.3
B9 - NB ROW ST 735 to 739,7,2,0,0
901451,603707,39.8,39.8,B9.1
901420,603762,39.5,39.5,B9.2
901382,603827,39.3,39.3,B9.3
901345,603891,39,39,B9.4
901316,603938,38.2,38.2,B9.5
901291,603975,39,39,B9.6
901260,604021,38,38,B9.7
901241,604051,36,36,B9.8
B11 - Property Line NB Side ST 733 to 736,8,2,0,0
901565,603542,43.2,43.2,B11.1
901534,603589,43,43,B11.2
901500,603645,42.8,42.8,B11.3
901464,603707,42.5,42.5,B11.4
901434,603760,42.6,42.6,B11.5
901392,603834,41.7,41.7,B11.6
901365,603874,41.5,41.5,B11.7
901345,603908,41.4,41.4,B11.8
901315,603957,41.2,41.2,B11.9
901288,603994,41.1,41.1,B11.10
B12 - Property line NB Side - 6' Existing,9,2,0,0
901288,603994,41.1,43,B12.1
901258,604046,41,42.9,B12.2
901235,604096,41.3,43.2,B12.3
901208,604157,40,41.9,B12.4
901191,604197,40.3,42.2,B12.5
901198,604211,40.3,42.2,B12.6
901243,604230,40,41.9,B12.7
B62 - Center Divider ST 736 to 745,10,2,0,0
901335,603781,27.5,28.5,B62.1
901290,603865,28.4,29.4,B62.2
901257,603926,28.6,29.6,B62.3
901218,603998,28.4,29.4,B62.4
901157,604110,27.5,28.5,B62.5
901115,604191,27,28,B62.6
901075,604266,26.5,27.5,B62.7
901019,604369,25.6,26.6,B62.8
900968,604466,25,26,B62.9
900900,604593,24,25,B62.10

R,1,67,4
901883,603300,7.7,R13.17
R,2,67,4
901803,603323,8,R13.18
R,3,67,4
901756,603424,10.9,R13.19
R,4,67,4
901719,603433,12,R13.20A
R,5,67,4
901676,603439,13.6,R13.20
R,6,67,4
901591,603527,44.5,R13.21
R,7,67,4
901574,603531,44.8,R13.21A/ST13.3
R,8,67,4
901529,603604,44.3,R13.22
R,9,67,4
901448,603743,43.5,R13.23
R,10,67,4
901350,603906,42.9,R13.24
R,11,67,4
901304,603980,42.6,R13.24A
R,12,67,4
901270,604033,42.5,R13.25
R,13,67,4
901197,604191,41.8,R13.26
D,4.5
ALL,5
ALL,6
ALL,7
ALL,8
ALL,9
ALL,10
ALL,11
ALL,12
ALL,13
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
13 LA COSTA TO POINSETTIA NO BUILD EAST,0,FT

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	- 0.*								B17.1	356.7	
2	- 0.*								B17.2	315.5	
3	- 0.*								B17.3	309.9	
4	- 0.*								B17.4	298.0	
5	- 0.*								B17.5	375.9	
6	- 3.*								B60.1	308.2	
7	- 3.*								B60.2	293.1	
8	- 3.*								B60.3	283.3	
9	- 3.*								B60.4	348.0	
10	- 3.*								B60.5	390.4	
11	- 3.*								B60.6	393.2	
12	- 3.*								B60.7	331.8	
13	- 3.*								B60.8	325.9	
14	- 3.*								B60.9	350.9	
15	- 3.*								B61.1	330.5	
16	- 3.*								B61.2	311.2	
17	- 3.*								B61.3	292.0	
18	- 3.*								B61.4	380.3	
19	- 3.*								B61.5	374.3	
20	- 3.*								B61.6	390.4	
21	- 3.*								B61.7	317.2	
22	- 3.*								B61.8	306.9	
23	- 3.*								B61.9	377.2	
24	- 0.*								B8.1	75.1	
25	- 0.*								B8.2	130.8	
26	- 0.*								B8.3	98.5	
27	- 0.*								B8.4	127.5	
28	- 0.*								B8.5	173.2	
29	- 0.*								B18.2	157.6	
30	- 0.*								B18.3	253.9	
31	- 0.*								B8.6	118.3	
32	- 0.*								B8.7	289.4	
33	- 0.*								B8.8	322.4	
34	- 0.*								B8.9	213.2	
35	- 0.*								B10.1	81.2	
36	- 0.*								B10.2	88.4	
37	- 0.*								B9.1	207.2	

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38    -  0.*                    B9.2      247.0
39    -  0.*                    B9.3      242.6
40    -  0.*                    B9.4      181.2
41    -  0.*                    B9.5      146.5
42    -  0.*                    B9.6      182.0
43    -  0.*                    B9.7      116.7

44    -  0.*                    B11.1     184.7
45    -  0.*                    B11.2     214.9
46    -  0.*                    B11.3     235.2
47    -  0.*                    B11.4     199.9
48    -  0.*                    B11.5     279.2
49    -  0.*                    B11.6     158.3
50    -  0.*                    B11.7     129.5
51    -  0.*                    B11.8     188.4
52    -  0.*                    B11.9     150.3

53    -  6.*                    B12.1     196.9
54    -  6.*                    B12.2     180.6
55    -  6.*                    B12.3     218.8
56    -  6.*                    B12.4     142.6
57    -  6.*                    B12.5      51.4
58    -  6.*                    B12.6     160.2

59    -  3.*                    B62.1     312.7
60    -  3.*                    B62.2     227.5
61    -  3.*                    B62.3     268.6
62    -  3.*                    B62.4     418.5
63    -  3.*                    B62.5     299.3
64    -  3.*                    B62.6     278.9
65    -  3.*                    B62.7     384.6
66    -  3.*                    B62.8     359.6
67    -  3.*                    B62.9     472.6
--------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
------------------------------
 1  R13.17    67.    500.   65.8
 2  R13.18    67.    500.   67.1
 3  R13.19    67.    500.   65.5
 4  R13.20A   67.    500.   65.6
 5  R13.20    67.    500.   63.5
 6  R13.21    67.    500.   65.4
 7  R13.21A/  67.    500.   69.0
 8  R13.22    67.    500.   71.0
 9  R13.23    67.    500.   72.1
10  R13.24    67.    500.   73.8
11  R13.24A   67.    500.   73.6
12  R13.25    67.    500.   68.8
13  R13.26    67.    500.   69.1
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
```

0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0.
0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
0. 0. 6. 6. 6. 6. 6. 6. 3. 3. 3. 3. 3. 3. 3. 3. 3.

13 La Costa to Poinsettia Future Build EAST,BLD,Ft,
T-L6 - SB General Lanes - Outer,1
3052,65,122,65,426,65
T-L16 - SB General Lanes - Inner,2
5217,65,183,65,0,65
T-L56 - SB Future HOV Lanes,3
3000,65,0,65,0,65
T-L55 - NB Future HOV Lanes,4
3000,65,0,65,0,65
T-L15 - NB General Lanes - Inner,5
5217,65,183,65,0,65
T-L5 - NB General Lanes - Outer,6
3052,65,122,65,426,65
T-L26 - SB La Costa On-ramp,7
950,45,24,45,26,45
T-L25 - NB La Costa Off-ramp,8
950,45,24,45,26,45
T-L27 - NB La Costa On-ramp,9
950,45,24,45,26,45
T-L28 - SB La Costa Off-ramp,10
950,45,24,45,26,45
T-L8 - SB General Lanes - Outer,11
3052,65,122,65,426,65
T-L18 - SB General Lanes - Inner,12
5217,65,183,65,0,65
T-L58 - SB Future HOV Lanes,13
3000,65,0,65,0,65
T-L57 - NB Future HOV Lanes,14
3000,65,0,65,0,65
T-L17 - NB General Lanes - Inner,15
5217,65,183,65,0,65
T-L7 - NB General Lanes - Outer,16
3052,65,122,65,426,65
T-L30 - SB Poinsettia On-ramp,17
950,45,24,45,26,45
T-L29 - NB Poinsettia Off-ramp,18
1900,45,48,45,52,45
T-L31 - NB Poinsettia On-ramp,19
950,45,24,45,26,45
T-L32 - SB Poinsettia Off-ramp,20
950,45,24,45,26,45
T-L10 - SB General Lanes - Outer,21
3052,65,122,65,426,65
T-L20 - SB General Lanes - Inner,22
5217,65,183,65,0,65
T-L60 - SB Future HOV Lanes,23
3000,65,0,65,0,65
T-L59 - NB Future HOV Lanes,24
3000,65,0,65,0,65
T-L19 - NB General Lanes - Inner,25
5217,65,183,65,0,65
T-L9 - NB General Lanes - Outer,26
3052,65,122,65,426,65
L6 - SB General Lanes - Outer,1
N,902237,601818,17.3,L6.6,
N,902211,601928,14.9,L6.7,

N,902183,602034,12.3,L6.8,
N,902162,602122,10.3,L6.9,
N,902134,602205,8.3,L6.10,
N,902100,602285,6.2,L6.11,
N,902061,602363,4.8,L6.12,
N,902011,602457,4.2,L6.13,
N,901955,602562,4.5,L6.14,
N,901898,602668,4.8,L6.15,
L16 - SB General Lanes - Inner,2,
N,902245,601821,17.3,L16.6
N,902218,601930,14.9,L16.7
N,902192,602036,12.3,L16.8
N,902169,602124,10.3,L16.9
N,902140,602209,8.3,L16.10
N,902109,602290,6.2,L16.11
N,902069,602367,4.8,L16.12
N,902019,602462,4.2,L16.13
N,901962,602567,4.5,L16.14
N,901906,602672,4.8,L16.15
L56 - SB Future HOV Lanes,3,
N,902255,601824,17.5,L56.6
N,902228,601932,15,L56.7
N,902201,602039,12.5,L56.8
N,902180,602127,10.5,L56.9
N,902151,602213,8.5,L56.10
N,902117,602294,6.5,L56.11
N,902077,602372,5,L56.12
N,902028,602467,4.3,L56.13
N,901971,602571,4.7,L56.14
N,901915,602676,4.9,L56.15
L55 - NB Future HOV Lanes,4,
N,902270,601826,17.5,L55.6
N,902245,601933,15,L55.7
N,902219,602044,12.5,L55.8
N,902195,602133,10.5,L55.9
N,902164,602226,8.5,L55.10
N,902130,602306,6.5,L55.11
N,902092,602382,5,L55.12
N,902041,602474,4.3,L55.13
N,901986,602580,4.7,L55.14
N,901929,602686,4.9,L55.15
L15 - NB General Lanes - Inner,5,
N,902280,601828,17.3,L15.6
N,902254,601933,14.4,L15.7
N,902227,602045,12.4,L15.8
N,902204,602137,10.1,L15.9
N,902173,602231,8.7,L15.10
N,902138,602311,6.7,L15.11
N,902100,602387,5.1,L15.12
N,902051,602480,4.2,L15.13
N,901993,602585,4.5,L15.14
N,901937,602691,4.8,L15.15
L5 - NB General Lanes - Outer,6,
N,902289,601831,17.3,L5.6
N,902264,601936,14.4,L5.7
N,902236,602048,12.4,L5.8

N,902212,602141,10.1,L5.9
N,902181,602234,8.7,L5.10
N,902146,602314,6.7,L5.11
N,902108,602391,5.1,L5.12
N,902057,602485,4.2,L5.13
N,902000,602590,4.5,L5.14
N,901944,602696,4.8,L5.15
L26 - SB La Costa On-ramp,7,
N,902265,601707,19.8,L26.1
N,902229,601825,16.9,L26.2
N,902209,601901,15,L26.3
N,902192,601960,13.6,L26.4
N,902163,602033,11.8,L26.5
N,902145,602070,12.3,L26.6
N,902097,602161,17.4,L26.7
N,902072,602211,19.2,L26.8
L25 - NB La Costa Off-ramp,8,
N,902289,601831,17.3,L25.1
N,902274,601917,15,L25.2
N,902265,601977,13.5,L25.3
N,902256,602036,12.3,L25.4
N,902253,602077,12,L25.5
N,902247,602116,12.8,L25.6
N,902234,602194,15,L25.7
N,902223,602241,15.5,L25.8
L27 - NB La Costa On-ramp,9,
N,902201,602284,13.5,L27.1
N,902153,602352,7.3,L27.2
N,902120,602403,4.6,L27.3
N,902089,602453,3.8,L27.4
N,902045,602522,3.8,L27.5
N,902017,602574,4,L27.6
N,901986,602628,4.4,L27.7
N,901944,602696,4.8,L27.8
L28 - SB La Costa Off-ramp,10,
N,902054,602260,18,L28.1
N,902029,602335,13.6,L28.2
N,902002,602411,9,L28.3
N,901966,602504,4.5,L28.4
N,901950,602541,3.9,L28.5
N,901919,602614,4.2,L28.6
N,901898,602668,4.8,L28.7
L8 - SB General Lanes - Outer,11,
N,901898,602668,4.8,L8.1
N,901850,602758,4.9,L8.2
N,901805,602844,5.7,L8.3
N,901753,602939,7.8,L8.4
N,901705,603028,9.8,L8.5
N,901660,603113,11.8,L8.6
N,901618,603191,13.8,L8.7
N,901564,603293,16.3,L8.8
N,901511,603394,18.8,L8.9
N,901454,603499,21.3,L8.10
N,901408,603584,23.3,L8.11
N,901367,603665,25.3,L8.12
N,901310,603768,27.3,L8.13

N,901266,603851,28.3,L8.14
N,901234,603912,28.3,L8.15
L18 - SB General Lanes - Inner,12,
N,901906,602672,4.8,L18.1
N,901858,602763,4.9,L18.2
N,901812,602847,5.7,L18.3
N,901761,602943,7.8,L18.4
N,901713,603032,9.8,L18.5
N,901667,603117,11.8,L18.6
N,901627,603195,13.8,L18.7
N,901572,603297,16.3,L18.8
N,901519,603398,18.8,L18.9
N,901462,603504,21.3,L18.10
N,901416,603588,23.3,L18.11
N,901373,603669,25.3,L18.12
N,901318,603773,27.3,L18.13
N,901275,603854,28.3,L18.14
N,901242,603917,28.3,L18.15
L58 - SB Future HOV Lanes,13,
N,901915,602676,4.9,L58.1
N,901866,602767,5.1,L58.2
N,901821,602852,6,L58.3
N,901770,602947,8,L58.4
N,901722,603036,10,L58.5
N,901675,603125,12,L58.6
N,901635,603199,14,L58.7
N,901581,603301,16.5,L58.8
N,901527,603402,19,L58.9
N,901470,603507,21.5,L58.10
N,901425,603593,23.5,L58.11
N,901381,603675,25.5,L58.12
N,901327,603776,27.5,L58.13
N,901282,603860,28.4,L58.14
N,901250,603921,28.6,L58.15
L57 - NB Future HOV Lanes,14,
N,901929,602686,4.9,L57.1
N,901882,602774,5.1,L57.2
N,901834,602862,6,L57.3
N,901783,602957,8,L57.4
N,901737,603045,10,L57.5
N,901692,603128,12,L57.6
N,901650,603207,14,L57.7
N,901597,603307,16.5,L57.8
N,901543,603408,19,L57.9
N,901485,603514,21.5,L57.10
N,901440,603600,23.5,L57.11
N,901396,603683,25.5,L57.12
N,901341,603786,27.5,L57.13
N,901298,603868,28.4,L57.14
N,901264,603930,28.6,L57.15
L17 - NB General Lanes - Inner,15,
N,901937,602691,4.8,L17.1
N,901889,602780,4.9,L17.2
N,901842,602868,5.7,L17.3
N,901792,602963,7.8,L17.4
N,901745,603049,9.8,L17.5

N,901700,603133,11.8,L17.6
N,901658,603213,13.8,L17.7
N,901605,603312,16.3,L17.8
N,901551,603414,18.8,L17.9
N,901494,603520,21.3,L17.10
N,901449,603605,23.3,L17.11
N,901405,603687,25.3,L17.12
N,901349,603792,27.3,L17.13
N,901306,603874,28.3,L17.14
N,901272,603935,28.3,L17.15
L7 - NB General Lanes - Outer,16,
N,901944,602696,4.8,L7.1
N,901897,602785,4.9,L7.2
N,901850,602872,5.7,L7.3
N,901798,602968,7.8,L7.4
N,901753,603055,9.8,L7.5
N,901709,603136,11.8,L7.6
N,901666,603216,13.8,L7.7
N,901612,603318,16.3,L7.8
N,901558,603417,18.8,L7.9
N,901501,603524,21.3,L7.10
N,901457,603609,23.3,L7.11
N,901413,603692,25.3,L7.12
N,901357,603797,27.3,L7.13
N,901314,603878,28.3,L7.14
N,901280,603940,28.3,L7.15
L30 - SB Poinsettia On-ramp,17,
N,901367,603665,25.3,L30.1
N,901306,603765,27.3,L30.2
N,901262,603849,28.5,L30.3
N,901229,603910,28.3,L30.4
N,901176,604007,27.6,L30.5
N,901127,604094,26.9,L30.6
N,901095,604145,26.4,L30.7
N,901057,604191,25.8,L30.8
N,901030,604220,26,L30.9
N,900992,604252,36.8,L30.10
N,900936,604291,28.2,L30.11
N,900915,604314,28.8,L30.12
N,900902,604341,29.4,L30.13
L29 - NB Poinsettia Off-ramp,18,
N,901284,603941,28.3,L29.1
N,901260,603985,28.2,L29.2
N,901240,604022,28.2,L29.3
N,901223,604055,27.7,L29.4
N,901192,604129,26.8,L29.5
N,901170,604185,26.3,L29.6
N,901146,604239,26.7,L29.7
N,901123,604293,28.6,L29.8
N,901111,604332,30.7,L29.9
N,901095,604390,33.2,L29.10
L31 - NB Poinsettia On-ramp,19,
N,901084,604430,33.4,L31.1
N,901067,604456,32.2,L31.2
N,901010,604511,27,L31.3
N,900979,604549,24.6,L31.4

N,900949,604590,23.5,L31.5
N,900915,604640,23.1,L31.6
N,900875,604709,22.8,L31.7
N,900826,604797,22.5,L31.8
N,900763,604907,21.8,L31.9
L32 - SB Poinsettia Off-ramp,20,
N,900889,604383,29.2,L32.1
N,900884,604430,27.6,L32.2
N,900878,604489,25.4,L32.3
N,900866,604547,24.2,L32.4
N,900848,604603,23.2,L32.5
N,900824,604658,22.9,L32.6
N,900808,604698,22.7,L32.7
N,900768,604784,22.3,L32.8
L10 - SB General Lanes - Outer,21,
N,901234,603912,28.3,L10.1
N,901194,603984,28.2,L10.2
N,901134,604096,27.3,L10.3
N,901092,604175,26.8,L10.4
N,901052,604250,26.2,L10.5
N,900997,604355,25.3,L10.6
N,900946,604451,24.8,L10.7
N,900878,604579,23.7,L10.8
N,900827,604676,23.2,L10.9
N,900768,604784,22.3,L10.10
L20 - SB General Lanes - Inner,22,
N,901242,603917,28.3,L20.1
N,901202,603989,28.2,L20.2
N,901142,604101,27.3,L20.3
N,901100,604179,26.8,L20.4
N,901059,604254,26.2,L20.5
N,901004,604359,25.3,L20.6
N,900953,604455,24.8,L20.7
N,900884,604583,23.7,L20.8
N,900833,604679,23.2,L20.9
N,900775,604788,22.3,L20.10
L60 - SB Future HOV Lanes,23,
N,901250,603921,28.6,L60.1
N,901211,603993,28.4,L60.2
N,901151,604106,27.5,L60.3
N,901109,604185,27,L60.4
N,901068,604261,26.5,L60.5
N,901013,604365,25.6,L60.6
N,900960,604462,25,L60.7
N,900893,604589,24,L60.8
N,900841,604685,23.4,L60.9
N,900784,604793,22.5,L60.10
L59 - NB Future HOV Lanes,24,
N,901264,603930,28.6,L59.1
N,901226,604002,28.4,L59.2
N,901166,604114,27.5,L59.3
N,901122,604195,27,L59.4
N,901082,604269,26.5,L59.5
N,901028,604372,25.6,L59.6
N,900975,604471,25,L59.7
N,900906,604598,24,L59.8

N,900856,604693,23.4,L59.9
N,900796,604806,22.5,L59.10
L19 - NB General Lanes - Inner,25,
N,901272,603935,28.3,L19.1
N,901233,604006,28.2,L19.2
N,901175,604118,27.3,L19.3
N,901131,604199,26.8,L19.4
N,901092,604273,26.2,L19.5
N,901037,604377,25.3,L19.6
N,900984,604475,24.8,L19.7
N,900917,604603,23.7,L19.8
N,900865,604698,23.2,L19.9
N,900804,604810,22.3,L19.10
L9 - NB General Lanes - Outer,26,
N,901280,603940,28.3,L9.1
N,901243,604011,28.2,L9.2
N,901183,604122,27.3,L9.3,
N,901139,604203,26.8,L9.4,
N,901099,604278,26.2,L9.5,
N,901044,604380,25.3,L9.6,
N,900992,604479,24.8,L9.7,
N,900923,604606,23.7,L9.8,
N,900873,604702,23.2,L9.9,
N,900812,604815,22.3,L9.10,
B17 - NB Shoulder ST 725 to 731,1,2,0,0,
901856,602877,5.7,5.7,B17.1,
901805,602973,7.8,7.8,B17.2,
901760,603058,9.8,9.8,B17.3,
901760,603058,9.8,9.8,B17.3,
901715,603141,11.8,11.8,B17.4,
901672,603221,13.8,13.8,B17.5,
901618,603322,16.3,16.3,B17.6,
B60 - Center Divider,2,2,0,0,
902187,602129,10.5,11.5,B60.1,
902157,602218,8.5,9.5,B60.2,
902124,602301,6.5,7.5,B60.3,
902085,602378,5,6,B60.4,
902034,602471,4.3,5.3,B60.5,
901978,602576,4.7,5.7,B60.6,
901922,602682,4.9,5.9,B60.7,
901874,602771,5.1,6.1,B60.8,
901828,602859,6,7,B60.9,
901777,602953,8,9,B60.10,
B61 - Center Divider,3,2,0,0,
901777,602953,8,9,B61.1,
901728,603041,10,11,B61.2,
901684,603125,12,13,B61.3,
901643,603204,14,15,B61.4,
901588,603306,16.5,17.5,B61.5,
901535,603407,19,20,B61.6,
901479,603512,21.5,22.5,B61.7,
901433,603597,23.5,24.5,B61.8,
901388,603679,25.5,26.5,B61.9,
901335,603781,27.5,28.5,B61.10,
B8 - Nat Barrier to ROW NB Side,4,2,0,0,
901623,603317,12,12,B8.1,

901613,603336,20,20,B8.2,
901611,603375,28,28,B8.3,
901606,603404,34,34,B8.4,
901602,603442,41,41,B8.5,
901578,603489,42,42,B18.2,
901553,603530,41.5,41.5,B18.3,
901511,603595,40,40,B18.4,
B8 - ROW NB Side,5,2,0,0,
901603,603463,41.5,41.5,B8.6,
901583,603493,42.1,42.1,B8.7,
901535,603567,41,41,B8.8,
901484,603651,40,40,B8.9,
901451,603707,39.8,39.8,B8.10,
B10 - Property Line,6,2,0,0,
901609,603519,43.5,43.5,B10.1,
901585,603525,43.5,43.5,B10.2,
901592,603551,42.8,42.8,B10.3,
B9 - NB ROW ST 735 to 739,7,2,0,0,
901451,603707,39.8,39.8,B9.1,
901420,603762,39.5,39.5,B9.2,
901382,603827,39.3,39.3,B9.3,
901345,603891,39,39,B9.4,
901316,603938,38.2,38.2,B9.5,
901291,603975,39,39,B9.6,
901260,604021,38,38,B9.7,
901241,604051,36,36,B9.8,
B11 - Property Line NB Side ST 733 to 736,8,2,0,0,
901600,603513,42.5,42.5,B11.1A,
901578,603516,43,43,B11.1B,
901563,603536,43,43,B11.1C,
901565,603542,43.2,43.2,B11.1,
B11 - Property Line NB Side ST 733 to 736,9,2,0,0,
901565,603542,43.2,43.2,B11.1,
901534,603589,43,43,B11.2,
901500,603645,42.8,42.8,B11.3,
901464,603707,42.5,42.5,B11.4,
901434,603760,42.6,42.6,B11.5,
901392,603834,41.7,41.7,B11.6,
901365,603874,41.5,41.5,B11.7,
901345,603908,41.4,41.4,B11.8,
901315,603957,41.2,41.2,B11.9,
901288,603994,41.1,41.1,B11.10,
B12 - Property line NB Side - 6' Existing,10,2,0,0,
901288,603994,41.1,43,B12.1,
901258,604046,41,42.9,B12.2,
901235,604096,41.3,43.2,B12.3,
901208,604157,40,41.9,B12.4,
901191,604197,40.3,42.2,B12.5,
901198,604211,40.3,42.2,B12.6,
901243,604230,40,41.9,B12.7,
B62 - Center Divider ST 736 to 745,11,2,0,0,
901335,603781,27.5,28.5,B62.1,
901290,603865,28.4,29.4,B62.2,
901257,603926,28.6,29.6,B62.3,
901218,603998,28.4,29.4,B62.4,
901157,604110,27.5,28.5,B62.5,

901115,604191,27,28,B62.6,
901075,604266,26.5,27.5,B62.7,
901019,604369,25.6,26.6,B62.8,
900968,604466,25,26,B62.9,
900900,604593,24,25,B62.10,
B500 - Property line Soundwall,12,2,0,0,
901828,603316,6.5,6.5,B500.1,
901813,603315,6.5,6.5,B500.2,
901802,603318,6.5,6.5,B500.3,
901798,603358,6.5,6.5,B500.4,
901781,603374,7,7,B500.5,
901768,603408,8,8,B500.5A,
B500 - Property line Soundwall,13,2,0,0,
901768,603408,8,8,B500.5A,
901767,603411,9.5,9.5,B500.6,
901747,603429,9.5,9.5,B500.7,
901738,603438,10,10,B500.8,
901726,603431,10,10,B500.9,
901713,603432,10.5,10.5,B500.10,
901681,603431,12,12,B500.11,
901672,603436,14,14,B500.12,
901680,603459,13,13,B500.13,
R,1,67,4
901883,603300,7.7,R13.17
R,2,67,4
901803,603323,8,R13.18
R,3,67,4
901756,603424,10.9,R13.19
R,4,67,4
901719,603433,12,R13.20A
R,5,67,4
901676,603439,13.6,R13.20
R,6,67,4
901591,603527,44.5,R13.21
R,7,67,4
901574,603531,44.8,R13.21A/ST13.3
R,8,67,4
901529,603604,44.3,R13.22
R,9,67,4
901448,603743,43.5,R13.23
R,10,67,4
901350,603906,42.9,R13.24
R,11,67,4
901304,603980,42.6,R13.24A
R,12,67,4
901270,604033,42.5,R13.25
R,13,67,4
901197,604191,41.8,R13.26
D,4.5
ALL,5
ALL,6
ALL,7
ALL,8
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SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
13 LA COSTA TO POINSETTIA FUTURE BUILD EAST,BLD,FT,

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	- 0.*								B17.1	356.7	
2	- 0.*								B17.2	315.5	
3	- 0.*								B17.3	.0	
4	- 0.*								B17.3	309.9	
5	- 0.*								B17.4	298.0	
6	- 0.*								B17.5	375.9	
7	- 3.*								B60.1	308.2	
8	- 3.*								B60.2	293.1	
9	- 3.*								B60.3	283.3	
10	- 3.*								B60.4	348.0	
11	- 3.*								B60.5	390.4	
12	- 3.*								B60.6	393.2	
13	- 3.*								B60.7	331.8	
14	- 3.*								B60.8	325.9	
15	- 3.*								B60.9	350.9	
16	- 3.*								B61.1	330.5	
17	- 3.*								B61.2	311.2	
18	- 3.*								B61.3	292.0	
19	- 3.*								B61.4	380.3	
20	- 3.*								B61.5	374.3	
21	- 3.*								B61.6	390.4	
22	- 3.*								B61.7	317.2	
23	- 3.*								B61.8	306.9	
24	- 3.*								B61.9	377.2	
25	- 0.*								B8.1	75.1	
26	- 0.*								B8.2	130.8	
27	- 0.*								B8.3	98.5	
28	- 0.*								B8.4	127.5	
29	- 0.*								B8.5	173.2	
30	- 0.*								B18.2	157.6	
31	- 0.*								B18.3	253.9	
32	- 0.*								B8.6	118.3	
33	- 0.*								B8.7	289.4	
34	- 0.*								B8.8	322.4	
35	- 0.*								B8.9	213.2	
36	- 0.*								B10.1	81.2	
37	- 0.*								B10.2	88.4	

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38   -  0.*                    B9.1      207.2
39   -  0.*                    B9.2      247.0
40   -  0.*                    B9.3      242.6
41   -  0.*                    B9.4      181.2
42   -  0.*                    B9.5      146.5
43   -  0.*                    B9.6      182.0
44   -  0.*                    B9.7      116.7

45   -  0.*                    B11.1A     72.8
46   -  0.*                    B11.1B     82.0
47   -  0.*                    B11.1C     20.8

48   -  0.*                    B11.1     184.7
49   -  0.*                    B11.2     214.9
50   -  0.*                    B11.3     235.2
51   -  0.*                    B11.4     199.9
52   -  0.*                    B11.5     279.2
53   -  0.*                    B11.6     158.3
54   -  0.*                    B11.7     129.5
55   -  0.*                    B11.8     188.4
56   -  0.*                    B11.9     150.3

57   -  6.*                    B12.1     196.9
58   -  6.*                    B12.2     180.6
59   -  6.*                    B12.3     218.8
60   -  6.*                    B12.4     142.6
61   -  6.*                    B12.5      51.4
62   -  6.*                    B12.6     160.2

63   -  3.*                    B62.1     312.7
64   -  3.*                    B62.2     227.5
65   -  3.*                    B62.3     268.6
66   -  3.*                    B62.4     418.5
67   -  3.*                    B62.5     299.3
68   -  3.*                    B62.6     278.9
69   -  3.*                    B62.7     384.6
70   -  3.*                    B62.8     359.6
71   -  3.*                    B62.9     472.6

72   -  0.*                    B500.1     49.3
73   -  0.*                    B500.2     37.4
74   -  0.*                    B500.3    131.9
75   -  0.*                    B500.4     76.6
76   -  0.*                    B500.5    119.4

77   -  0.*                    B500.5A    11.6
78   -  0.*                    B500.6     88.2
79   -  0.*                    B500.7     41.8
80   -  0.*                    B500.8     45.6
81   -  0.*                    B500.9     42.8
82   -  0.*                    B500.10   105.2
83   -  0.*                    B500.11    34.4
84   -  0.*                    B500.12    80.0
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     0  1  2  3  4  5  6  7
1
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REC REC ID DNL PEOPLE LEQ(CAL)

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1 R13.17 67. 500. 68.1
2 R13.18 67. 500. 68.8
3 R13.19 67. 500. 67.3
4 R13.20A 67. 500. 67.3
5 R13.20 67. 500. 65.9
6 R13.21 67. 500. 67.7
7 R13.21A/ 67. 500. 71.0
8 R13.22 67. 500. 72.9
9 R13.23 67. 500. 74.3
10 R13.24 67. 500. 76.0
11 R13.24A 67. 500. 75.6
12 R13.25 67. 500. 71.0
13 R13.26 67. 500. 71.3

BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1

CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION

0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 0.
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13 La Costa to Poinsettia Future Build EAST - DGN,DGN,Ft
T-L6 - SB General Lanes - Outer,1,
3052,65,122,65,426,65,
T-L16 - SB General Lanes - Inner,2,
5217,65,183,65,0,65,
T-L56 - SB Future HOV Lanes,3,
3000,65,0,65,0,65,
T-L55 - NB Future HOV Lanes,4,
3000,65,0,65,0,65,
T-L15 - NB General Lanes - Inner,5,
5217,65,183,65,0,65,
T-L5 - NB General Lanes - Outer,6,
3052,65,122,65,426,65,
T-L26 - SB La Costa On-ramp,7,
950,45,24,45,26,45,
T-L25 - NB La Costa Off-ramp,8,
950,45,24,45,26,45
T-L27 - NB La Costa On-ramp,9
950,45,24,45,26,45
T-L28 - SB La Costa Off-ramp,10
950,45,24,45,26,45
T-L8 - SB General Lanes - Outer,11
3052,65,122,65,426,65
T-L18 - SB General Lanes - Inner,12
5217,65,183,65,0,65
T-L58 - SB Future HOV Lanes,13
3000,65,0,65,0,65
T-L57 - NB Future HOV Lanes,14
3000,65,0,65,0,65
T-L17 - NB General Lanes - Inner,15
5217,65,183,65,0,65
T-L7 - NB General Lanes - Outer,16
3052,65,122,65,426,65
T-L30 - SB Poinsettia On-ramp,17
950,45,24,45,26,45
T-L29 - NB Poinsettia Off-ramp,18
1900,45,48,45,52,45
T-L31 - NB Poinsettia On-ramp,19
950,45,24,45,26,45
T-L32 - SB Poinsettia Off-ramp,20
950,45,24,45,26,45
T-L10 - SB General Lanes - Outer,21
3052,65,122,65,426,65
T-L20 - SB General Lanes - Inner,22
5217,65,183,65,0,65
T-L60 - SB Future HOV Lanes,23
3000,65,0,65,0,65
T-L59 - NB Future HOV Lanes,24
3000,65,0,65,0,65
T-L19 - NB General Lanes - Inner,25
5217,65,183,65,0,65
T-L9 - NB General Lanes - Outer,26
3052,65,122,65,426,65
L6 - SB General Lanes - Outer,1
N,902237,601818,17.3,L6.6,
N,902211,601928,14.9,L6.7,

N,902183,602034,12.3,L6.8,
N,902162,602122,10.3,L6.9,
N,902134,602205,8.3,L6.10,
N,902100,602285,6.2,L6.11,
N,902061,602363,4.8,L6.12,
N,902011,602457,4.2,L6.13,
N,901955,602562,4.5,L6.14,
N,901898,602668,4.8,L6.15,
L16 - SB General Lanes - Inner,2,
N,902245,601821,17.3,L16.6
N,902218,601930,14.9,L16.7
N,902192,602036,12.3,L16.8
N,902169,602124,10.3,L16.9
N,902140,602209,8.3,L16.10
N,902109,602290,6.2,L16.11
N,902069,602367,4.8,L16.12
N,902019,602462,4.2,L16.13
N,901962,602567,4.5,L16.14
N,901906,602672,4.8,L16.15
L56 - SB Future HOV Lanes,3,
N,902255,601824,17.5,L56.6
N,902228,601932,15,L56.7
N,902201,602039,12.5,L56.8
N,902180,602127,10.5,L56.9
N,902151,602213,8.5,L56.10
N,902117,602294,6.5,L56.11
N,902077,602372,5,L56.12
N,902028,602467,4.3,L56.13
N,901971,602571,4.7,L56.14
N,901915,602676,4.9,L56.15
L55 - NB Future HOV Lanes,4,
N,902270,601826,17.5,L55.6
N,902245,601933,15,L55.7
N,902219,602044,12.5,L55.8
N,902195,602133,10.5,L55.9
N,902164,602226,8.5,L55.10
N,902130,602306,6.5,L55.11
N,902092,602382,5,L55.12
N,902041,602474,4.3,L55.13
N,901986,602580,4.7,L55.14
N,901929,602686,4.9,L55.15
L15 - NB General Lanes - Inner,5,
N,902280,601828,17.3,L15.6
N,902254,601933,14.4,L15.7
N,902227,602045,12.4,L15.8
N,902204,602137,10.1,L15.9
N,902173,602231,8.7,L15.10
N,902138,602311,6.7,L15.11
N,902100,602387,5.1,L15.12
N,902051,602480,4.2,L15.13
N,901993,602585,4.5,L15.14
N,901937,602691,4.8,L15.15
L5 - NB General Lanes - Outer,6,
N,902289,601831,17.3,L5.6
N,902264,601936,14.4,L5.7
N,902236,602048,12.4,L5.8

N,902212,602141,10.1,L5.9
N,902181,602234,8.7,L5.10
N,902146,602314,6.7,L5.11
N,902108,602391,5.1,L5.12
N,902057,602485,4.2,L5.13
N,902000,602590,4.5,L5.14
N,901944,602696,4.8,L5.15
L26 - SB La Costa On-ramp,7,
N,902265,601707,19.8,L26.1
N,902229,601825,16.9,L26.2
N,902209,601901,15,L26.3
N,902192,601960,13.6,L26.4
N,902163,602033,11.8,L26.5
N,902145,602070,12.3,L26.6
N,902097,602161,17.4,L26.7
N,902072,602211,19.2,L26.8
L25 - NB La Costa Off-ramp,8,
N,902289,601831,17.3,L25.1
N,902274,601917,15,L25.2
N,902265,601977,13.5,L25.3
N,902256,602036,12.3,L25.4
N,902253,602077,12,L25.5
N,902247,602116,12.8,L25.6
N,902234,602194,15,L25.7
N,902223,602241,15.5,L25.8
L27 - NB La Costa On-ramp,9,
N,902201,602284,13.5,L27.1
N,902153,602352,7.3,L27.2
N,902120,602403,4.6,L27.3
N,902089,602453,3.8,L27.4
N,902045,602522,3.8,L27.5
N,902017,602574,4,L27.6
N,901986,602628,4.4,L27.7
N,901944,602696,4.8,L27.8
L28 - SB La Costa Off-ramp,10,
N,902054,602260,18,L28.1
N,902029,602335,13.6,L28.2
N,902002,602411,9,L28.3
N,901966,602504,4.5,L28.4
N,901950,602541,3.9,L28.5
N,901919,602614,4.2,L28.6
N,901898,602668,4.8,L28.7
L8 - SB General Lanes - Outer,11,
N,901898,602668,4.8,L8.1
N,901850,602758,4.9,L8.2
N,901805,602844,5.7,L8.3
N,901753,602939,7.8,L8.4
N,901705,603028,9.8,L8.5
N,901660,603113,11.8,L8.6
N,901618,603191,13.8,L8.7
N,901564,603293,16.3,L8.8
N,901511,603394,18.8,L8.9
N,901454,603499,21.3,L8.10
N,901408,603584,23.3,L8.11
N,901367,603665,25.3,L8.12
N,901310,603768,27.3,L8.13

N,901266,603851,28.3,L8.14
N,901234,603912,28.3,L8.15
L18 - SB General Lanes - Inner,12,
N,901906,602672,4.8,L18.1
N,901858,602763,4.9,L18.2
N,901812,602847,5.7,L18.3
N,901761,602943,7.8,L18.4
N,901713,603032,9.8,L18.5
N,901667,603117,11.8,L18.6
N,901627,603195,13.8,L18.7
N,901572,603297,16.3,L18.8
N,901519,603398,18.8,L18.9
N,901462,603504,21.3,L18.10
N,901416,603588,23.3,L18.11
N,901373,603669,25.3,L18.12
N,901318,603773,27.3,L18.13
N,901275,603854,28.3,L18.14
N,901242,603917,28.3,L18.15
L58 - SB Future HOV Lanes,13,
N,901915,602676,4.9,L58.1
N,901866,602767,5.1,L58.2
N,901821,602852,6,L58.3
N,901770,602947,8,L58.4
N,901722,603036,10,L58.5
N,901675,603125,12,L58.6
N,901635,603199,14,L58.7
N,901581,603301,16.5,L58.8
N,901527,603402,19,L58.9
N,901470,603507,21.5,L58.10
N,901425,603593,23.5,L58.11
N,901381,603675,25.5,L58.12
N,901327,603776,27.5,L58.13
N,901282,603860,28.4,L58.14
N,901250,603921,28.6,L58.15
L57 - NB Future HOV Lanes,14,
N,901929,602686,4.9,L57.1
N,901882,602774,5.1,L57.2
N,901834,602862,6,L57.3
N,901783,602957,8,L57.4
N,901737,603045,10,L57.5
N,901692,603128,12,L57.6
N,901650,603207,14,L57.7
N,901597,603307,16.5,L57.8
N,901543,603408,19,L57.9
N,901485,603514,21.5,L57.10
N,901440,603600,23.5,L57.11
N,901396,603683,25.5,L57.12
N,901341,603786,27.5,L57.13
N,901298,603868,28.4,L57.14
N,901264,603930,28.6,L57.15
L17 - NB General Lanes - Inner,15,
N,901937,602691,4.8,L17.1
N,901889,602780,4.9,L17.2
N,901842,602868,5.7,L17.3
N,901792,602963,7.8,L17.4
N,901745,603049,9.8,L17.5

N,901700,603133,11.8,L17.6
N,901658,603213,13.8,L17.7
N,901605,603312,16.3,L17.8
N,901551,603414,18.8,L17.9
N,901494,603520,21.3,L17.10
N,901449,603605,23.3,L17.11
N,901405,603687,25.3,L17.12
N,901349,603792,27.3,L17.13
N,901306,603874,28.3,L17.14
N,901272,603935,28.3,L17.15
L7 - NB General Lanes - Outer,16,
N,901944,602696,4.8,L7.1
N,901897,602785,4.9,L7.2
N,901850,602872,5.7,L7.3
N,901798,602968,7.8,L7.4
N,901753,603055,9.8,L7.5
N,901709,603136,11.8,L7.6
N,901666,603216,13.8,L7.7
N,901612,603318,16.3,L7.8
N,901558,603417,18.8,L7.9
N,901501,603524,21.3,L7.10
N,901457,603609,23.3,L7.11
N,901413,603692,25.3,L7.12
N,901357,603797,27.3,L7.13
N,901314,603878,28.3,L7.14
N,901280,603940,28.3,L7.15
L30 - SB Poinsettia On-ramp,17,
N,901367,603665,25.3,L30.1
N,901306,603765,27.3,L30.2
N,901262,603849,28.5,L30.3
N,901229,603910,28.3,L30.4
N,901176,604007,27.6,L30.5
N,901127,604094,26.9,L30.6
N,901095,604145,26.4,L30.7
N,901057,604191,25.8,L30.8
N,901030,604220,26,L30.9
N,900992,604252,36.8,L30.10
N,900936,604291,28.2,L30.11
N,900915,604314,28.8,L30.12
N,900902,604341,29.4,L30.13
L29 - NB Poinsettia Off-ramp,18,
N,901284,603941,28.3,L29.1
N,901260,603985,28.2,L29.2
N,901240,604022,28.2,L29.3
N,901223,604055,27.7,L29.4
N,901192,604129,26.8,L29.5
N,901170,604185,26.3,L29.6
N,901146,604239,26.7,L29.7
N,901123,604293,28.6,L29.8
N,901111,604332,30.7,L29.9
N,901095,604390,33.2,L29.10
L31 - NB Poinsettia On-ramp,19,
N,901084,604430,33.4,L31.1
N,901067,604456,32.2,L31.2
N,901010,604511,27,L31.3
N,900979,604549,24.6,L31.4

N,900949,604590,23.5,L31.5
N,900915,604640,23.1,L31.6
N,900875,604709,22.8,L31.7
N,900826,604797,22.5,L31.8
N,900763,604907,21.8,L31.9
L32 - SB Poinsettia Off-ramp,20,
N,900889,604383,29.2,L32.1
N,900884,604430,27.6,L32.2
N,900878,604489,25.4,L32.3
N,900866,604547,24.2,L32.4
N,900848,604603,23.2,L32.5
N,900824,604658,22.9,L32.6
N,900808,604698,22.7,L32.7
N,900768,604784,22.3,L32.8
L10 - SB General Lanes - Outer,21,
N,901234,603912,28.3,L10.1
N,901194,603984,28.2,L10.2
N,901134,604096,27.3,L10.3
N,901092,604175,26.8,L10.4
N,901052,604250,26.2,L10.5
N,900997,604355,25.3,L10.6
N,900946,604451,24.8,L10.7
N,900878,604579,23.7,L10.8
N,900827,604676,23.2,L10.9
N,900768,604784,22.3,L10.10
L20 - SB General Lanes - Inner,22,
N,901242,603917,28.3,L20.1
N,901202,603989,28.2,L20.2
N,901142,604101,27.3,L20.3
N,901100,604179,26.8,L20.4
N,901059,604254,26.2,L20.5
N,901004,604359,25.3,L20.6
N,900953,604455,24.8,L20.7
N,900884,604583,23.7,L20.8
N,900833,604679,23.2,L20.9
N,900775,604788,22.3,L20.10
L60 - SB Future HOV Lanes,23,
N,901250,603921,28.6,L60.1
N,901211,603993,28.4,L60.2
N,901151,604106,27.5,L60.3
N,901109,604185,27,L60.4
N,901068,604261,26.5,L60.5
N,901013,604365,25.6,L60.6
N,900960,604462,25,L60.7
N,900893,604589,24,L60.8
N,900841,604685,23.4,L60.9
N,900784,604793,22.5,L60.10
L59 - NB Future HOV Lanes,24,
N,901264,603930,28.6,L59.1
N,901226,604002,28.4,L59.2
N,901166,604114,27.5,L59.3
N,901122,604195,27,L59.4
N,901082,604269,26.5,L59.5
N,901028,604372,25.6,L59.6
N,900975,604471,25,L59.7
N,900906,604598,24,L59.8

N,900856,604693,23.4,L59.9
N,900796,604806,22.5,L59.10
L19 - NB General Lanes - Inner,25,
N,901272,603935,28.3,L19.1
N,901233,604006,28.2,L19.2
N,901175,604118,27.3,L19.3
N,901131,604199,26.8,L19.4
N,901092,604273,26.2,L19.5
N,901037,604377,25.3,L19.6
N,900984,604475,24.8,L19.7
N,900917,604603,23.7,L19.8
N,900865,604698,23.2,L19.9
N,900804,604810,22.3,L19.10
L9 - NB General Lanes - Outer,26,
N,901280,603940,28.3,L9.1
N,901243,604011,28.2,L9.2
N,901183,604122,27.3,L9.3,
N,901139,604203,26.8,L9.4,
N,901099,604278,26.2,L9.5,
N,901044,604380,25.3,L9.6,
N,900992,604479,24.8,L9.7,
N,900923,604606,23.7,L9.8,
N,900873,604702,23.2,L9.9,
N,900812,604815,22.3,L9.10,
B17 - NB Shoulder ST 725 to 731,1,2,0,0,
901856,602877,5.7,5.7,B17.1,
901805,602973,7.8,7.8,B17.2,
901760,603058,9.8,9.8,B17.3,
901760,603058,9.8,9.8,B17.3,
901715,603141,11.8,11.8,B17.4,
901672,603221,13.8,13.8,B17.5,
901618,603322,16.3,16.3,B17.6,
B60 - Center Divider,2,2,0,0,
902187,602129,10.5,11.5,B60.1,
902157,602218,8.5,9.5,B60.2,
902124,602301,6.5,7.5,B60.3,
902085,602378,5,6,B60.4,
902034,602471,4.3,5.3,B60.5,
901978,602576,4.7,5.7,B60.6,
901922,602682,4.9,5.9,B60.7,
901874,602771,5.1,6.1,B60.8,
901828,602859,6,7,B60.9,
901777,602953,8,9,B60.10,
B61 - Center Divider,3,2,0,0,
901777,602953,8,9,B61.1,
901728,603041,10,11,B61.2,
901684,603125,12,13,B61.3,
901643,603204,14,15,B61.4,
901588,603306,16.5,17.5,B61.5,
901535,603407,19,20,B61.6,
901479,603512,21.5,22.5,B61.7,
901433,603597,23.5,24.5,B61.8,
901388,603679,25.5,26.5,B61.9,
901335,603781,27.5,28.5,B61.10,
B8 - Nat Barrier to ROW NB Side,4,2,0,0,
901623,603317,12,12,B8.1,

901613,603336,20,20,B8.2,
901611,603375,28,28,B8.3,
901606,603404,34,34,B8.4,
901602,603442,41,41,B8.5,
901578,603489,42,42,B18.2,
901553,603530,41.5,41.5,B18.3,
901511,603595,40,40,B18.4,
B8 - ROW NB Side,5,2,0,0,
901603,603463,41.5,41.5,B8.6,
901583,603493,42.1,42.1,B8.7,
901535,603567,41,41,B8.8,
901484,603651,40,40,B8.9,
901451,603707,39.8,39.8,B8.10,
B10 - Property Line,6,2,0,0,
901609,603519,43.5,43.5,B10.1,
901585,603525,43.5,43.5,B10.2,
901592,603551,42.8,42.8,B10.3,
B9 - NB ROW ST 735 to 739,7,2,0,0,
901451,603707,39.8,39.8,B9.1,
901420,603762,39.5,39.5,B9.2,
901382,603827,39.3,39.3,B9.3,
901345,603891,39,39,B9.4,
901316,603938,38.2,38.2,B9.5,
901291,603975,39,39,B9.6,
901260,604021,38,38,B9.7,
901241,604051,36,36,B9.8,
B11 - Property Line NB Side ST 733 to 736,8,2,0,0,
901600,603513,42.5,46.2,B11.1A,
901578,603516,43,46.7,B11.1B,
901563,603536,43,46.7,B11.1C,
901565,603542,43.2,46.9,B11.1,
901565,603542,43.2,46.2,B11.1,
901534,603589,43,46.0,B11.2,
B11 - Property Line NB Side ST 733 to 736,9,2,0,0,
901534,603589,43,45.4,B11.2,
901500,603645,42.8,45.2,B11.3,
901464,603707,42.5,44.9,B11.4,
901434,603760,42.6,45.0,B11.5,
901392,603834,41.7,44.1,B11.6,
901365,603874,41.5,43.9,B11.7,
901345,603908,41.4,43.8,B11.8,
901315,603957,41.2,43.6,B11.9,
901288,603994,41.1,43.5,B11.10,
B12 - Property line NB Side - 6' Existing,10,2,0,0,
901288,603994,41.1,44.8,B12.1,
901258,604046,41,44.7,B12.2,
901235,604096,41.3,45.0,B12.3,
901208,604157,40,43.7,B12.4,
901191,604197,40.3,44.0,B12.5,
901198,604211,40.3,44.0,B12.6,
901198,604211,40.3,43.3,B12.6,
901221,604221,40.1,43.1,B12.6A,
B62 - Center Divider ST 736 to 745,11,2,0,0,
901335,603781,27.5,28.5,B62.1,
901290,603865,28.4,29.4,B62.2,
901257,603926,28.6,29.6,B62.3,

901218,603998,28.4,29.4,B62.4,
901157,604110,27.5,28.5,B62.5,
901115,604191,27,28,B62.6,
901075,604266,26.5,27.5,B62.7,
901019,604369,25.6,26.6,B62.8,
900968,604466,25,26,B62.9,
900900,604593,24,25,B62.10,
B500 - Property line Soundwall,12,2,0,0,
901828,603316,6.5,9.5,B500.1,
901813,603315,6.5,9.5,B500.2,
901802,603318,6.5,9.5,B500.3,
901798,603358,6.5,9.5,B500.4,
901781,603374,7,10.0,B500.5,
901768,603408,8,11.0,B500.5A,
B500 - Property line Soundwall,12,2,0,0,
901768,603408,8,11.0,B500.5A,
901767,603411,9.5,12.5,B500.6,
901747,603429,9.5,12.5,B500.7,
901738,603438,10,13.0,B500.8,
901726,603431,10,13.0,B500.9,
901713,603432,10.5,13.5,B500.10,
901681,603431,12,15.0,B500.11,
901672,603436,14,17.0,B500.12,
901680,603459,13,16.0,B500.13,
R,1,67,4
901883,603300,7.7,R13.17
R,2,67,4
901803,603323,8,R13.18
R,3,67,4
901756,603424,10.9,R13.19
R,4,67,4
901719,603433,12,R13.20A
R,5,67,4
901676,603439,13.6,R13.20
R,6,67,4
901591,603527,44.5,R13.21
R,7,67,4
901574,603531,44.8,R13.21A/ST13.3
R,8,67,4
901529,603604,44.3,R13.22
R,9,67,4
901448,603743,43.5,R13.23
R,10,67,4
901350,603906,42.9,R13.24
R,11,67,4
901304,603980,42.6,R13.24A
R,12,67,4
901270,604033,42.5,R13.25
R,13,67,4
901197,604191,41.8,R13.26
D,4.5
ALL,5
ALL,6
ALL,7
ALL,8
ALL,9

ALL,10
ALL,11
ALL,12
ALL,13
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
13 LA COSTA TO POINSETTIA FUTURE BUILD EAST - DGN,DGN,FT

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	- 0.*								B17.1	356.7	
2	- 0.*								B17.2	315.5	
3	- 0.*								B17.3	.0	
4	- 0.*								B17.3	309.9	
5	- 0.*								B17.4	298.0	
6	- 0.*								B17.5	375.9	
7	- 3.*								B60.1	308.2	
8	- 3.*								B60.2	293.1	
9	- 3.*								B60.3	283.3	
10	- 3.*								B60.4	348.0	
11	- 3.*								B60.5	390.4	
12	- 3.*								B60.6	393.2	
13	- 3.*								B60.7	331.8	
14	- 3.*								B60.8	325.9	
15	- 3.*								B60.9	350.9	
16	- 3.*								B61.1	330.5	
17	- 3.*								B61.2	311.2	
18	- 3.*								B61.3	292.0	
19	- 3.*								B61.4	380.3	
20	- 3.*								B61.5	374.3	
21	- 3.*								B61.6	390.4	
22	- 3.*								B61.7	317.2	
23	- 3.*								B61.8	306.9	
24	- 3.*								B61.9	377.2	
25	- 0.*								B8.1	75.1	
26	- 0.*								B8.2	130.8	
27	- 0.*								B8.3	98.5	
28	- 0.*								B8.4	127.5	
29	- 0.*								B8.5	173.2	
30	- 0.*								B18.2	157.6	
31	- 0.*								B18.3	253.9	
32	- 0.*								B8.6	118.3	
33	- 0.*								B8.7	289.4	
34	- 0.*								B8.8	322.4	
35	- 0.*								B8.9	213.2	
36	- 0.*								B10.1	81.2	
37	- 0.*								B10.2	88.4	

38	-	0.*	B9.1	207.2
39	-	0.*	B9.2	247.0
40	-	0.*	B9.3	242.6
41	-	0.*	B9.4	181.2
42	-	0.*	B9.5	146.5
43	-	0.*	B9.6	182.0
44	-	0.*	B9.7	116.7
45	-	12.*	B11.1A	72.8
46	-	12.*	B11.1B	82.0
47	-	12.*	B11.1C	20.8
48	-	11.*	B11.1	2.3
49	-	10.*	B11.1	184.7
50	-	8.*	B11.2	214.9
51	-	8.*	B11.3	235.2
52	-	8.*	B11.4	199.9
53	-	8.*	B11.5	279.2
54	-	8.*	B11.6	158.3
55	-	8.*	B11.7	129.5
56	-	8.*	B11.8	188.4
57	-	8.*	B11.9	150.3
58	-	12.*	B12.1	196.9
59	-	12.*	B12.2	180.6
60	-	12.*	B12.3	218.8
61	-	12.*	B12.4	142.6
62	-	12.*	B12.5	51.4
63	-	11.*	B12.6	2.3
64	-	10.*	B12.6	82.2
65	-	3.*	B62.1	312.7
66	-	3.*	B62.2	227.5
67	-	3.*	B62.3	268.6
68	-	3.*	B62.4	418.5
69	-	3.*	B62.5	299.3
70	-	3.*	B62.6	278.9
71	-	3.*	B62.7	384.6
72	-	3.*	B62.8	359.6
73	-	3.*	B62.9	472.6
74	-	10.*	B500.1	49.3
75	-	10.*	B500.2	37.4
76	-	10.*	B500.3	131.9
77	-	10.*	B500.4	76.6
78	-	10.*	B500.5	119.4
79	-	10.*	B500.5A	11.5
80	-	10.*	B500.6	88.2
81	-	10.*	B500.7	41.8
82	-	10.*	B500.8	45.6
83	-	10.*	B500.9	42.8
84	-	10.*	B500.10	105.2
85	-	10.*	B500.11	34.4
86	-	10.*	B500.12	80.0

```
      0   1   2   3   4   5   6   7
1
 REC REC ID    DNL  PEOPLE   LEQ(CAL)
 ---------------------------------
  1  R13.17    67.    500.   68.1
  2  R13.18    67.    500.   61.3
  3  R13.19    67.    500.   59.4
  4  R13.20A   67.    500.   59.5
  5  R13.20    67.    500.   59.6
  6  R13.21    67.    500.   63.4
  7  R13.21A/  67.    500.   64.0
  8  R13.22    67.    500.   66.5
  9  R13.23    67.    500.   66.1
 10  R13.24    67.    500.   68.6
 11  R13.24A   67.    500.   68.5
 12  R13.25    67.    500.   65.2
 13  R13.26    67.    500.   64.7
 BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
  0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 0.
  0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.12.12.12.11.10. 8.
  8. 8. 8. 8. 8. 8. 8.12.12.12.12.12.11.10. 3. 3. 3. 3. 3. 3. 3. 3. 3.10.10.
 10.10.10.10.10.10.10.10.10.10.10.10.
```

Roadway Segment 14 - Poinsettia to Palomar Airport Road - No Build - North Bound
T NB Truck,1
0, 0, 0, 0, 0, 0
T NB Truck (cont),2
0, 0, 0, 0, 0, 0
T NB Car,3
3269, 65, 86, 65, 245, 65
T NB Car (cont),4
3269, 65, 86, 65, 245, 65
T NB HOV,5
3514, 65, 86, 65, 0, 0
T NB HOV (cont),6
3514, 65, 86, 65, 0, 0
T NB Poinsettia Off ramp,7
703, 45, 18, 45, 19, 45
T NB Poinsettia On ramp,8
494, 45, 12, 45, 14, 45
T NB Palomar Airport Off Ramp,9
950, 45, 24, 45, 26, 45
T SB Truck,10
0, 0, 0, 0, 0, 0
T SB Truck (cont),11
0, 0, 0, 0, 0, 0
T SB Car,12
3269, 65, 86, 65, 245, 65
T SB Car (cont),13
3269, 65, 86, 65, 245, 65
T SB HOV,14
3514, 65, 86, 65, 0, 0
T SB HOV (cont),15
3514, 65, 86, 65, 0, 0
T SB Poinsettia On Ramp,16
656, 45, 17, 45, 18, 45
T SB Poinsettia Off ramp, 17
513, 45, 13, 45, 14, 45
T SB Palomar Airport On Ramp,18
342, 45, 9, 45, 9, 45
L9 NB Truck,1
N, 51280, 3940, 28.3, L9.1
N, 51243, 4011, 28.2, L9.2
N, 51183, 4122, 27.3, L9.3
N, 51139, 4203, 26.8, L9.4
N, 51099, 4278, 26.2, L9.5
N, 51044, 4380, 25.5, L9.6
N, 50992, 4479, 24.8, L9.7
N, 50923, 4606, 23.7, L9.8
N, 50873, 4702, 23.2, L9.9
N, 50812, 4815, 22.3, L9.10
N, 50763, 4907, 21.8, L9.11
N, 50717, 4996, 21.1, L9.12
N, 50668, 5093, 20.3, L9.13
N, 50613, 5203, 19.5, L9.14
N, 50561, 5309, 18.8, L9.15
L71 NB Truck (cont),2
N, 50561, 5309, 18.8, L71.1
N, 50534, 5365, 18.5, L71.2

N, 50491, 5449, 17.8, L71.3
N, 50427, 5584, 16.8, L71.4
N, 50380, 5676, 16.2, L71.5
N, 50336, 5765, 15.7, L71.6
N, 50287, 5865, 15.4, L71.7
N, 50247, 5944, 15.7, L71.8
N, 50212, 6015, 15.8, L71.9
N, 50168, 6103, 16, L71.10
N, 50125, 6193, 16.1, L71.11
N, 50086, 6273, 16.3, L71.12
N, 50025, 6395, 16.5, L71.13
N, 49974, 6501, 16.7, L71.14
L19 NB Car,3
N, 51272, 3935, 28.3, L19.1
N, 51233, 4006, 28.2, L19.2
N, 51175, 4118, 27.3, L19.3
N, 51131, 4199, 26.8, L19.4
N, 51092, 4273, 26.2, L19.5
N, 51037, 4377, 25.5, L19.6
N, 50984, 4475, 24.8, L19.7
N, 50917, 4603, 23.7, L19.8
N, 50865, 4698, 23.2, L19.9
N, 50804, 4810, 22.3, L19.10
N, 50756, 4901, 21.8, L19.11
N, 50709, 4992, 21.1, L19.12
N, 50659, 5088, 20.3, L19.13
N, 50605, 5198, 19.5, L19.14
N, 50554, 5305, 18.8, L19.15
L91 NB Car (cont),4
N, 50554, 5305, 18.8, L91.1
N, 50526, 5361, 18.5, L91.2
N, 50483, 5446, 17.8, L91.3
N, 50418, 5581, 16.8, L91.4
N, 50374, 5671, 16.2, L91.5
N, 50329, 5761, 15.7, L91.6
N, 50279, 5860, 15.4, L91.7
N, 50239, 5941, 15.7, L91.8
N, 50205, 6010, 15.8, L91.9
N, 50162, 6099, 16, L91.10
N, 50117, 6188, 16.1, L91.11
N, 50078, 6270, 16.3, L91.12
N, 50018, 6392, 16.5, L91.13
N, 49966, 6496, 16.7, L91.14
L59 NB HOV,5
N, 51264, 3930, 28.6, L59.1
N, 51226, 4002, 28.4, L59.2
N, 51166, 4114, 27.5, L59.3
N, 51122, 4195, 27, L59.4
N, 51082, 4269, 26.5, L59.5
N, 51028, 4372, 25.6, L59.6
N, 50975, 4471, 25, L59.7
N, 50906, 4598, 24, L59.8
N, 50856, 4693, 23.4, L59.9
N, 50796, 4806, 22.5, L59.10
N, 50747, 4897, 21.8, L59.11
N, 50699, 4987, 21.3, L59.12

N, 50652, 5083, 20.5, L59.13
N, 50597, 5193, 19.7, L59.14
N, 50545, 5300, 19, L59.15
L61 NB HOV (cont),6
N, 50545, 5300, 19.2, L61.1
N, 50516, 5357, 18.5, L61.2
N, 50476, 5442, 18, L61.3
N, 50409, 5576, 17, L61.4
N, 50365, 5666, 16.4, L61.5
N, 50320, 5756, 15.9, L61.6
N, 50271, 5856, 15.6, L61.7
N, 50231, 5937, 15.9, L61.8
N, 50197, 6006, 16, L61.9
N, 50154, 6095, 16.2, L61.10
N, 50110, 6184, 16.3, L61.11
N, 50070, 6266, 16.5, L61.12
N, 50010, 6387, 16.7, L61.13
N, 49958, 6493, 16.9, L61.14
L29 NB Poinsettia Off ramp,7
N, 51317, 3880, 28.3, L29.3
N, 51284, 3941, 28.3, L29.4
N, 51229, 4044, 27.7, L29.5
N, 51207, 4093, 27.3, L29.6
N, 51169, 4184, 26.4, L29.7
Y, 51154, 4222, 26.8, L29.8
Y, 51131, 4277, 28.7, L29.9
N, 51110, 4332, 31.4, L29.10
N, 51096, 4389, 33.2, L29.11
L31 NB Poinsettia On ramp,8
Y, 51084, 4430, 33.5, L31.1
Y, 51067, 4456, 32.2, L31.2
Y, 51010, 4511, 27, L31.3
N, 50979, 4549, 24.6, L31.4
N, 50949, 4590, 23.5, L31.5
N, 50915, 4640, 23.1, L31.6
N, 50875, 4709, 22.8, L31.7
N, 50826, 4797, 22.5, L31.8
N, 50763, 4907, 21.8, L31.9
L33 NB Palomar Airport Off Ramp,9
N, 50491, 5449, 18, L33.1
N, 50432, 5586, 16.8, L33.2
N, 50386, 5678, 16.2, L33.3
N, 50340, 5766, 15.7, L33.4
N, 50292, 5867, 15.4, L33.5
N, 50252, 5947, 15.7, L33.6
N, 50217, 6018, 15.8, L33.7
N, 50174, 6106, 16, L33.8
N, 50152, 6156, 15.7, L33.9
N, 50123, 6230, 15.7, L33.10
Y, 50094, 6305, 15.6, L33.11
Y, 50075, 6368, 19.9, L33.12
N, 50066, 6447, 23.5, L33.13
L10 SB Truck,10
N, 51234, 3912, 28.3, L10.1
N, 51194, 3984, 28.2, L10.2
N, 51134, 4096, 27.3, L10.3

N, 51092, 4175, 26.8, L10.4
N, 51052, 4250, 26.2, L10.5
N, 50997, 4355, 25.5, L10.6
N, 50946, 4451, 24.8, L10.7
N, 50878, 4579, 23.7, L10.8
N, 50827, 4676, 23.2, L10.9
N, 50768, 4784, 22.3, L10.10
N, 50718, 4881, 21.8, L10.11
N, 50668, 4972, 21.5, L10.12
N, 50619, 5068, 20.5, L10.13
N, 50565, 5178, 19.5, L10.14
N, 50513, 5286, 18.8, L10.15
L70 SB Truck (cont),11
N, 50513, 5286, 18.8, L70.1
N, 50485, 5340, 18.3, L70.2
N, 50445, 5420, 17.2, L70.3
N, 50381, 5553, 16.8, L70.4
N, 50332, 5650, 16.2, L70.5
N, 50289, 5741, 15.7, L70.6
N, 50239, 5841, 15.4, L70.7
N, 50200, 5921, 15.7, L70.8
N, 50163, 5996, 15.8, L70.9
N, 50121, 6080, 16, L70.10
N, 50078, 6169, 16.1, L70.11
N, 50038, 6249, 16.3, L70.12
N, 49980, 6372, 16.5, L70.13
N, 49928, 6479, 16.7, L70.14
L20 SB Car,12
N, 51242, 3917, 28.3, L20.1
N, 51202, 3989, 28.2, L20.2
N, 51142, 4101, 27.3, L20.3
N, 51100, 4179, 26.8, L20.4
N, 51059, 4254, 26.2, L20.5
N, 51004, 4359, 25.5, L20.6
N, 50953, 4455, 24.8, L20.7
N, 50884, 4583, 23.7, L20.8
N, 50833, 4679, 23.2, L20.9
N, 50775, 4788, 22.3, L20.10
N, 50725, 4885, 21.8, L20.11
N, 50676, 4976, 21.5, L20.12
N, 50627, 5072, 20.5, L20.13
N, 50573, 5182, 19.5, L20.14
N, 50520, 5290, 18.8, L20.15
L90 SB Car (cont),13
N, 50520, 5290, 18.8, L90.1
N, 50493, 5344, 18.3, L90.2
N, 50454, 5424, 17.2, L90.3
N, 50388, 5557, 16.8, L90.4
N, 50341, 5655, 16.2, L90.5
N, 50297, 5746, 15.7, L90.6
N, 50247, 5846, 15.4, L90.7
N, 50208, 5925, 15.7, L90.8
N, 50170, 6000, 15.8, L90.9
N, 50130, 6084, 16, L90.10
N, 50086, 6174, 16.1, L90.11
N, 50046, 6254, 16.3, L90.12

N, 49988, 6375, 16.5, L90.13
N, 49936, 6482, 16.7, L90.14
L60 SB HOV,14
N, 51250, 3921, 28.6, L60.1
N, 51211, 3993, 28.4, L60.2
N, 51151, 4106, 27.5, L60.3
N, 51109, 4185, 27, L60.4
N, 51068, 4261, 26.5, L60.5
N, 51013, 4365, 25.6, L60.6
N, 50960, 4462, 25, L60.7
N, 50893, 4589, 24, L60.8
N, 50841, 4685, 23.4, L60.9
N, 50784, 4793, 22.5, L60.10
N, 50732, 4890, 21.8, L60.11
N, 50684, 4980, 21.3, L60.12
N, 50634, 5077, 20.5, L60.13
N, 50582, 5186, 19.7, L60.14
N, 50530, 5294, 19, L60.15
L62 SB HOV (cont),15
N, 50530, 5294, 19.2, L62.1
N, 50503, 5349, 18.5, L62.2
N, 50463, 5428, 18, L62.3
N, 50398, 5563, 17, L62.4
N, 50349, 5659, 16.4, L62.5
N, 50305, 5749, 15.9, L62.6
N, 50256, 5850, 15.6, L62.7
N, 50217, 5929, 15.9, L62.8
N, 50180, 6004, 16, L62.9
N, 50141, 6088, 16.2, L62.10
N, 50095, 6178, 16.3, L62.11
N, 50055, 6260, 16.5, L62.12
N, 49997, 6379, 16.7, L62.13
N, 49944, 6486, 16.9, L62.14
L30 SB Poinsettia On Ramp,16
N, 51262, 3849, 28.3, L30.3
N, 51229, 3910, 28.3, L30.4
N, 51176, 4007, 27.6, L30.5
N, 51127, 4094, 26.9, L30.6
N, 51095, 4145, 26.4, L30.7
N, 51057, 4191, 25.8, L30.8
N, 51030, 4220, 26, L30.9
N, 50992, 4252, 26.8, L30.10
N, 50936, 4291, 28.2, L30.11
N, 50915, 4314, 28.8, L30.12
N, 50902, 4341, 29.4, L30.13
L32 SB Poinsettia Off ramp, 17
Y, 50889, 4383, 29.2, L32.1
Y, 50884, 4430, 27.6, L32.2
N, 50878, 4489, 25.4, L32.3
N, 50866, 4547, 24.2, L32.4
N, 50848, 4603, 23.2, L32.5
N, 50824, 4658, 22.9, L32.6
N, 50808, 4698, 22.7, L32.7
N, 50768, 4784, 22.3, L32.8
L34 SB Palomar Airport On Ramp,18
N, 50381, 5553, 16.8, L34.1

N, 50328, 5648, 16.2, L34.2
N, 50284, 5739, 15.7, L34.3
N, 50235, 5838, 15.4, L34.4
N, 50195, 5917, 15.7, L34.5
N, 50157, 5993, 15.8, L34.6
N, 50116, 6071, 15.8, L34.7
N, 50071, 6160, 15.5, L34.8
N, 50029, 6229, 15.5, L34.9
N, 49970, 6332, 17.5, L34.10
N, 49939, 6380, 19, L34.11
N, 49908, 6411, 19.8, L34.12
N, 49861, 6446, 21, L34.13
N, 49823, 6463, 21.2, L34.14
B10 NB Soundwall ROW - Poinsettia to Spindrift, 1, 2, 0, 0
51148, 4442, 38.8, 40.325, B10.1
51122, 4438, 38.1, 39.928, B10.2
51101, 4435, 34.8, 36.628, B10.3
51080, 4469, 34.5, 36.328, B10.4
51042, 4510, 32, 33.828, B10.5
50984, 4569, 28, 29.828, B10.6
50927, 4652, 27.9, 29.728, B10.7
50895, 4704, 27.8, 29.628, B10.8
50881, 4721, 25.8, 27.628, B10.9
50839, 4797, 25.3, 27.128, B10.10
50809, 4853, 25, 26.828, B11.2
B11 NB Soundwall ROW - Spindrift to Rosa, 2, 2, 0, 0
50809, 4853, 25, 26.828, B11.2
50763, 4940, 24, 25.828, B11.3
50728, 5010, 24, 25.828, B11.4
50701, 5059, 23.5, 25.328, B11.5
50680, 5106, 23.2, 25.028, B11.6
50664, 5140, 23, 24.828, B11.7
50664, 5140, 23, 23, B11.7
50649, 5163, 20.5, 20.5, B11.8
50649, 5163, 20.5, 22.025, B11.8
50634, 5196, 21, 22.525, B11.9
50596, 5274, 21, 22.525, B11.10
B12 NB Soundwall - North from Rosa, 3, 2, 0, 0
50596, 5274, 21, 22.525, B11.10
50561, 5353, 21.5, 23.025, B12.2
50535, 5413, 21.5, 23.025, B12.3
50535, 5413, 21.5, 23.025, B12.3
50511, 5467, 22, 23.525, B12.4
50485, 5518, 21.7, 23.225, B12.5
50465, 5565, 22, 23.525, B12.6
50427, 5646, 22.8, 24.325, B12.7
B12 NB Soundwall (cont) - North from Rosa, 4, 2, 0, 0
50427, 5646, 22.8, 22.8, B12.7
50401, 5703, 23, 23, B12.8
50399, 5723, 24, 24, B12.9
50383, 5781, 23.8, 23.8, B12.10
B15 NB Soundwall - South From Palomar Airport, 5, 2, 0, 0
50284, 5925, 16, 16, B15.1
50241, 5994, 16.7, 16.7, B15.2
50209, 6056, 17.5, 17.5, B15.3
50191, 6087, 18, 18, B15.4

50166, 6138, 18.5, 18.5, B15.5
50155, 6183, 20, 20, B15.6
50143, 6229, 23.3, 23.3, B15.7
50119, 6286, 23.5, 23.5, B15.8
50103, 6327, 22.8, 22.8, B15.9
50089, 6382, 23.7, 23.7, B15.10
50085, 6444, 23.7, 23.7, B16.2
B20 NB Terrain Line - Poinsettia Bridge, 6, 2, 0, 0
51085, 4392, 33.4, 33.4, B20.1
51052, 4383, 33.1, 33.1, B20.2
51037, 4411, 33.1, 33.1, B20.3
51076, 4422, 33.3, 33.3, B20.4
51095, 4428, 33.5, 33.5, B20.5
B13 NB Building - Comm, 7, 2, 0, 0
50430, 5726, 24, 32, B13.1
50403, 5716, 24, 32, B13.2
50389, 5779, 24, 32, B13.3
B14 NB Building - Comm, 10, 2, 0, 0
50383, 5781, 23.8, 23.8, B14.1
50372, 5794, 15.3, 15.3, B14.2
50372, 5794, 15.3, 23.3, B14.2
50334, 5866, 15.1, 23.1, B14.3
50398, 5925, 14.1, 22.1, B14.4
B17 NB Building - Comm, 9, 2, 0, 0
50216, 6073, 17.8, 25.8, B17.1
50190, 6143, 19.5, 27.5, B17.2
50178, 6181, 20, 28, B17.3
B18 NB Building - Comm, 10, 2, 0, 0
50150, 6242, 23.3, 31.3, B18.1
50129, 6291, 23.7, 31.7, B18.2
50156, 6303, 23.8, 31.8, B18.3
B62 Center Divider, 11, 2, 0, 0
51257, 3926, 28.6, 29.6, B62.3
51218, 3998, 28.4, 29.4, B62.4
51157, 4110, 27.5, 28.5, B62.5
51115, 4191, 27, 28, B62.6
51075, 4266, 26.5, 27.5, B62.7
51019, 4369, 25.6, 26.6, B62.8
50968, 4466, 25, 26, B62.9
50900, 4593, 24, 25, B62.10
50850, 4689, 23.4, 24.4, B63.2
50790, 4800, 22.5, 23.5, B63.3
50740, 4894, 21.8, 22.8, B63.4
B63 Center Divider, 12, 2, 0, 0
50740, 4894, 21.8, 22.8, B63.4
50692, 4984, 21.3, 22.3, B63.5
50642, 5080, 20.5, 21.5, B63.6
50589, 5189, 19.7, 20.7, B63.7
50537, 5298, 19, 20, B63.8
50509, 5353, 18.5, 19.5, B63.9
50470, 5435, 18, 19, B63.10
50403, 5570, 17, 18, B64.2
50358, 5663, 16.4, 17.4, B64.3
50312, 5753, 15.9, 16.9, B64.4
B64 Center Divider, 13, 2, 0, 0
50312, 5753, 15.9, 16.9, B64.4

50263, 5854, 15.6, 16.6, B64.5
50224, 5934, 15.9, 16.9, B64.6
50188, 6007, 16, 17, B64.7
50146, 6092, 16.2, 17.2, B64.8
50102, 6182, 16.3, 17.3, B64.9
50063, 6263, 16.5, 17.5, B64.10
50004, 6384, 16.7, 17.7, B65.2
49952, 6489, 16.9, 17.9, B65.3
R, 1, 67, 4
51124, 4447, 40.4, R14.7
R, 2, 67, 4
51089, 4465, 36.1, R14.8
R, 3, 67, 4
51046, 4543, 36.7, R14.9
R, 4, 67, 4
51008, 4567, 30.7, R14.10
R, 5, 67, 4
50965, 4602, 29.7, R14.11
R, 6, 67, 4
50899, 4704, 29.3, R14.12
R, 7, 67, 4
50909, 4741, 28, R14.13
R, 8, 67, 4
50870, 4765, 27.1, R14.14
R, 9, 67, 4
50811, 4874, 26, R14.15
R, 10, 67, 4
50793, 4935, 26, R14.16
R, 11, 67, 4
50751, 4976, 26.1, R14.17
R, 12, 67, 4
50741, 5036, 25.8, R14.18
R, 13, 67, 4
50697, 5092, 25.2, R14.19
R, 14, 67, 4
50685, 5168, 23.6, R14.20
R, 15, 67, 4
50648, 5194, 23.7, R14.21
R, 16, 67, 4
50611, 5326, 24.1, R14.22
R, 17, 67, 4
50574, 5354, 23.7, R14.23
R, 18, 67, 4
50568, 5440, 24.3, R14.24
R, 19, 67, 4
50503, 5496, 23.7, R14.25
R, 20, 67, 4
50475, 5559, 24.5, R14.26
R, 21, 67, 4
50471, 5611, 24.5, R14.27
R, 22, 67, 4
50428, 5671, 24.7, R14.28
R, 23, 67, 4
50309, 6110, 19.9, R14.29
R, 24, 67, 4
50205, 6154, 21.6, R14.30

D,4.5
All,All
K,0
All,All

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGMENT 14 - POINSETTIA TO PALOMAR AIRPORT ROAD - NO BUILD - NORTH BOUND

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	6.*							B10.1	86.3	
2	-	6.*							B10.2	70.4	
3	-	6.*							B10.3	131.2	
4	-	6.*							B10.4	183.6	
5	-	6.*							B10.5	271.8	
6	-	6.*							B10.6	330.3	
7	-	6.*							B10.7	200.3	
8	-	6.*							B10.8	72.5	
9	-	6.*							B10.9	284.9	
10	-	6.*							B10.10	208.4	
11	-	6.*							B11.2	322.9	
12	-	6.*							B11.3	256.8	
13	-	6.*							B11.4	183.6	
14	-	6.*							B11.5	168.9	
15	-	6.*							B11.6	123.2	
16	-	3.*							B11.7	6.0	
17	-	0.*							B11.7	90.5	
18	-	3.*							B11.8	5.0	
19	-	5.*							B11.8	118.9	
20	-	5.*							B11.9	284.6	
21	-	5.*							B11.10	283.5	
22	-	5.*							B12.2	214.6	
23	-	5.*							B12.3	.0	
24	-	5.*							B12.3	193.9	
25	-	5.*							B12.4	187.8	
26	-	5.*							B12.5	167.6	
27	-	5.*							B12.6	293.5	
28	-	0.*							B12.7	205.5	
29	-	0.*							B12.8	66.0	
30	-	0.*							B12.9	197.4	
31	-	0.*							B15.1	266.8	
32	-	0.*							B15.2	228.9	
33	-	0.*							B15.3	117.6	
34	-	0.*							B15.4	186.3	
35	-	0.*							B15.5	152.0	
36	-	0.*							B15.6	156.4	
37	-	0.*							B15.7	202.9	
38	-	0.*							B15.8	144.4	

```
39    -  0.*                    B15.9    186.2
40    -  0.*                    B15.10   203.8

41    -  0.*                    B20.1    112.3
42    -  0.*                    B20.2    104.2
43    -  0.*                    B20.3    133.0
44    -  0.*                    B20.4     65.3

45    - 26.*                    B13.1     94.5
46    - 26.*                    B13.2    211.8

47    -  0.*                    B14.1     62.5
48    - 13.*                    B14.2     26.2
49    - 26.*                    B14.2    267.1
50    - 26.*                    B14.3    285.6

51    - 26.*                    B17.1    245.1
52    - 26.*                    B17.2    130.8

53    - 26.*                    B18.1    174.9
54    - 26.*                    B18.2     96.9

55    -  3.*                    B62.3    268.6
56    -  3.*                    B62.4    418.5
57    -  3.*                    B62.5    299.3
58    -  3.*                    B62.6    278.9
59    -  3.*                    B62.7    384.6
60    -  3.*                    B62.8    359.6
61    -  3.*                    B62.9    472.6
62    -  3.*                    B62.10   355.2
63    -  3.*                    B63.2    413.9
64    -  3.*                    B63.3    349.3

65    -  3.*                    B63.4    334.7
66    -  3.*                    B63.5    355.1
67    -  3.*                    B63.6    397.7
68    -  3.*                    B63.7    396.2
69    -  3.*                    B63.8    202.5
70    -  3.*                    B63.9    298.0
71    -  3.*                    B63.10   494.5
72    -  3.*                    B64.2    339.0
73    -  3.*                    B64.3    331.6

74    -  3.*                    B64.4    368.2
75    -  3.*                    B64.5    292.0
76    -  3.*                    B64.6    267.0
77    -  3.*                    B64.7    311.1
78    -  3.*                    B64.8    328.7
79    -  3.*                    B64.9    294.9
80    -  3.*                    B64.10   441.7
81    -  3.*                    B65.2    384.4
--------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
---------------------------------
```

```
 1  R14.7   67.   500.  69.1
 2  R14.8   67.   500.  68.7
 3  R14.9   67.   500.  71.0
 4  R14.10  67.   500.  70.6
 5  R14.11  67.   500.  73.1
 6  R14.12  67.   500.  72.8
 7  R14.13  67.   500.  69.6
 8  R14.14  67.   500.  72.4
 9  R14.15  67.   500.  71.6
10  R14.16  67.   500.  71.2
11  R14.17  67.   500.  74.8
12  R14.18  67.   500.  71.2
13  R14.19  67.   500.  73.2
14  R14.20  67.   500.  71.6
15  R14.21  67.   500.  74.9
16  R14.22  67.   500.  71.6
17  R14.23  67.   500.  73.7
18  R14.24  67.   500.  70.0
19  R14.25  67.   500.  73.9
20  R14.26  67.   500.  74.2
21  R14.27  67.   500.  70.3
22  R14.28  67.   500.  73.6
23  R14.29  67.   500.  66.0
24  R14.30  67.   500.  63.3
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 3. 0. 3. 5. 5. 5. 5. 5. 5. 5.
 5. 5. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.26.26. 0.13.26.26.
26.26.26.26. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
 3. 3. 3. 3. 3. 3.
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Roadway Segment 14 - Poinsettia to Palomar Airport Road - No Build - South Bound
T NB Truck, 1
0, 0, 0, 0, 0, 0
T NB Truck (cont), 2
0, 0, 0, 0, 0, 0
T NB Car, 3
3269, 65, 86, 65, 245, 65
T NB Car (cont), 4
3269, 65, 86, 65, 245, 65
T NB HOV, 5
3514, 65, 86, 65, 0, 0
T NB HOV (cont), 6
3514, 65, 86, 65, 0, 0
T NB Poinsettia Off ramp, 7
703, 45, 18, 45, 19, 45
T NB Poinsettia On ramp, 8
494, 45, 12, 45, 14, 45
T NB Palomar Airport Off Ramp, 9
950, 45, 24, 45, 26, 45
T SB Truck, 10
0, 0, 0, 0, 0, 0
T SB Truck (cont), 11
0, 0, 0, 0, 0, 0
T SB Car, 12
3269, 65, 86, 65, 245, 65
T SB Car (cont), 13
3269, 65, 86, 65, 245, 65
T SB HOV, 14
3514, 65, 86, 65, 0, 0
T SB HOV (cont), 15
3514, 65, 86, 65, 0, 0
T SB Poinsettia On Ramp, 16
656, 45, 17, 45, 18, 45
T SB Poinsettia Off ramp, 17
513, 45, 13, 45, 14, 45
T SB Palomar Airport On Ramp, 18
342, 45, 9, 45, 9, 45
L9 NB Truck, 1
N, 51280, 3940, 28.3, L9.1
N, 51243, 4011, 28.2, L9.2
N, 51183, 4122, 27.3, L9.3
N, 51139, 4203, 26.8, L9.4
N, 51099, 4278, 26.2, L9.5
N, 51044, 4380, 25.5, L9.6
N, 50992, 4479, 24.8, L9.7
N, 50923, 4606, 23.7, L9.8
N, 50873, 4702, 23.2, L9.9
N, 50812, 4815, 22.3, L9.10
N, 50763, 4907, 21.8, L9.11
N, 50717, 4996, 21.1, L9.12
N, 50668, 5093, 20.3, L9.13
N, 50613, 5203, 19.5, L9.14
N, 50561, 5309, 18.8, L9.15
L71 NB Truck (cont), 2
N, 50561, 5309, 18.8, L71.1
N, 50534, 5365, 18.5, L71.2

N, 50491, 5449, 17.8, L71.3
N, 50427, 5584, 16.8, L71.4
N, 50380, 5676, 16.2, L71.5
N, 50336, 5765, 15.7, L71.6
N, 50287, 5865, 15.4, L71.7
N, 50247, 5944, 15.7, L71.8
N, 50212, 6015, 15.8, L71.9
N, 50168, 6103, 16, L71.10
N, 50125, 6193, 16.1, L71.11
N, 50086, 6273, 16.3, L71.12
N, 50025, 6395, 16.5, L71.13
N, 49974, 6501, 16.7, L71.14
L19 NB Car, 3
N, 51272, 3935, 28.3, L19.1
N, 51233, 4006, 28.2, L19.2
N, 51175, 4118, 27.3, L19.3
N, 51131, 4199, 26.8, L19.4
N, 51092, 4273, 26.2, L19.5
N, 51037, 4377, 25.5, L19.6
N, 50984, 4475, 24.8, L19.7
N, 50917, 4603, 23.7, L19.8
N, 50865, 4698, 23.2, L19.9
N, 50804, 4810, 22.3, L19.10
N, 50756, 4901, 21.8, L19.11
N, 50709, 4992, 21.1, L19.12
N, 50659, 5088, 20.3, L19.13
N, 50605, 5198, 19.5, L19.14
N, 50554, 5305, 18.8, L19.15
L91 NB Car (cont), 4
N, 50554, 5305, 18.8, L91.1
N, 50526, 5361, 18.5, L91.2
N, 50483, 5446, 17.8, L91.3
N, 50418, 5581, 16.8, L91.4
N, 50374, 5671, 16.2, L91.5
N, 50329, 5761, 15.7, L91.6
N, 50279, 5860, 15.4, L91.7
N, 50239, 5941, 15.7, L91.8
N, 50205, 6010, 15.8, L91.9
N, 50162, 6099, 16, L91.10
N, 50117, 6188, 16.1, L91.11
N, 50078, 6270, 16.3, L91.12
N, 50018, 6392, 16.5, L91.13
N, 49966, 6496, 16.7, L91.14
L59 NB HOV, 5
N, 51264, 3930, 28.6, L59.1
N, 51226, 4002, 28.4, L59.2
N, 51166, 4114, 27.5, L59.3
N, 51122, 4195, 27, L59.4
N, 51082, 4269, 26.5, L59.5
N, 51028, 4372, 25.6, L59.6
N, 50975, 4471, 25, L59.7
N, 50906, 4598, 24, L59.8
N, 50856, 4693, 23.4, L59.9
N, 50796, 4806, 22.5, L59.10
N, 50747, 4897, 21.8, L59.11
N, 50699, 4987, 21.3, L59.12

N, 50652, 5083, 20.5, L59.13
N, 50597, 5193, 19.7, L59.14
N, 50545, 5300, 19, L59.15
L61 NB HOV (cont), 6
N, 50545, 5300, 19.2, L61.1
N, 50516, 5357, 18.5, L61.2
N, 50476, 5442, 18, L61.3
N, 50409, 5576, 17, L61.4
N, 50365, 5666, 16.4, L61.5
N, 50320, 5756, 15.9, L61.6
N, 50271, 5856, 15.6, L61.7
N, 50231, 5937, 15.9, L61.8
N, 50197, 6006, 16, L61.9
N, 50154, 6095, 16.2, L61.10
N, 50110, 6184, 16.3, L61.11
N, 50070, 6266, 16.5, L61.12
N, 50010, 6387, 16.7, L61.13
N, 49958, 6493, 16.9, L61.14
L29 NB Poinsettia Off ramp, 7
N, 51317, 3880, 28.3, L29.3
N, 51284, 3941, 28.3, L29.4
N, 51229, 4044, 27.7, L29.5
N, 51207, 4093, 27.3, L29.6
N, 51169, 4184, 26.4, L29.7
Y, 51154, 4222, 26.8, L29.8
Y, 51131, 4277, 28.7, L29.9
N, 51110, 4332, 31.4, L29.10
N, 51096, 4389, 33.2, L29.11
L31 NB Poinsettia On ramp, 8
Y, 51084, 4430, 33.5, L31.1
Y, 51067, 4456, 32.2, L31.2
Y, 51010, 4511, 27, L31.3
N, 50979, 4549, 24.6, L31.4
N, 50949, 4590, 23.5, L31.5
N, 50915, 4640, 23.1, L31.6
N, 50875, 4709, 22.8, L31.7
N, 50826, 4797, 22.5, L31.8
N, 50763, 4907, 21.8, L31.9
L33 NB Palomar Airport Off Ramp, 9
N, 50491, 5449, 18, L33.1
N, 50432, 5586, 16.8, L33.2
N, 50386, 5678, 16.2, L33.3
N, 50340, 5766, 15.7, L33.4
N, 50292, 5867, 15.4, L33.5
N, 50252, 5947, 15.7, L33.6
N, 50217, 6018, 15.8, L33.7
N, 50174, 6106, 16, L33.8
N, 50152, 6156, 15.7, L33.9
N, 50123, 6230, 15.7, L33.10
Y, 50094, 6305, 15.6, L33.11
Y, 50075, 6368, 19.9, L33.12
N, 50066, 6447, 23.5, L33.13
L10 SB Truck, 10
N, 51234, 3912, 28.3, L10.1
N, 51194, 3984, 28.2, L10.2
N, 51134, 4096, 27.3, L10.3

N, 51092, 4175, 26.8, L10.4
N, 51052, 4250, 26.2, L10.5
N, 50997, 4355, 25.5, L10.6
N, 50946, 4451, 24.8, L10.7
N, 50878, 4579, 23.7, L10.8
N, 50827, 4676, 23.2, L10.9
N, 50768, 4784, 22.3, L10.10
N, 50718, 4881, 21.8, L10.11
N, 50668, 4972, 21.5, L10.12
N, 50619, 5068, 20.5, L10.13
N, 50565, 5178, 19.5, L10.14
N, 50513, 5286, 18.8, L10.15
L70 SB Truck (cont), 11
N, 50513, 5286, 18.8, L70.1
N, 50485, 5340, 18.3, L70.2
N, 50445, 5420, 17.2, L70.3
N, 50381, 5553, 16.8, L70.4
N, 50332, 5650, 16.2, L70.5
N, 50289, 5741, 15.7, L70.6
N, 50239, 5841, 15.4, L70.7
N, 50200, 5921, 15.7, L70.8
N, 50163, 5996, 15.8, L70.9
N, 50121, 6080, 16, L70.10
N, 50078, 6169, 16.1, L70.11
N, 50038, 6249, 16.3, L70.12
N, 49980, 6372, 16.5, L70.13
N, 49928, 6479, 16.7, L70.14
L20 SB Car, 12
N, 51242, 3917, 28.3, L20.1
N, 51202, 3989, 28.2, L20.2
N, 51142, 4101, 27.3, L20.3
N, 51100, 4179, 26.8, L20.4
N, 51059, 4254, 26.2, L20.5
N, 51004, 4359, 25.5, L20.6
N, 50953, 4455, 24.8, L20.7
N, 50884, 4583, 23.7, L20.8
N, 50833, 4679, 23.2, L20.9
N, 50775, 4788, 22.3, L20.10
N, 50725, 4885, 21.8, L20.11
N, 50676, 4976, 21.5, L20.12
N, 50627, 5072, 20.5, L20.13
N, 50573, 5182, 19.5, L20.14
N, 50520, 5290, 18.8, L20.15
L90 SB Car (cont), 13
N, 50520, 5290, 18.8, L90.1
N, 50493, 5344, 18.3, L90.2
N, 50454, 5424, 17.2, L90.3
N, 50388, 5557, 16.8, L90.4
N, 50341, 5655, 16.2, L90.5
N, 50297, 5746, 15.7, L90.6
N, 50247, 5846, 15.4, L90.7
N, 50208, 5925, 15.7, L90.8
N, 50170, 6000, 15.8, L90.9
N, 50130, 6084, 16, L90.10
N, 50086, 6174, 16.1, L90.11
N, 50046, 6254, 16.3, L90.12

N, 49988, 6375, 16.5, L90.13
N, 49936, 6482, 16.7, L90.14
L60 SB HOV, 14
N, 51250, 3921, 28.6, L60.1
N, 51211, 3993, 28.4, L60.2
N, 51151, 4106, 27.5, L60.3
N, 51109, 4185, 27, L60.4
N, 51068, 4261, 26.5, L60.5
N, 51013, 4365, 25.6, L60.6
N, 50960, 4462, 25, L60.7
N, 50893, 4589, 24, L60.8
N, 50841, 4685, 23.4, L60.9
N, 50784, 4793, 22.5, L60.10
N, 50732, 4890, 21.8, L60.11
N, 50684, 4980, 21.3, L60.12
N, 50634, 5077, 20.5, L60.13
N, 50582, 5186, 19.7, L60.14
N, 50530, 5294, 19, L60.15
L62 SB HOV (cont), 15
N, 50530, 5294, 19.2, L62.1
N, 50503, 5349, 18.5, L62.2
N, 50463, 5428, 18, L62.3
N, 50398, 5563, 17, L62.4
N, 50349, 5659, 16.4, L62.5
N, 50305, 5749, 15.9, L62.6
N, 50256, 5850, 15.6, L62.7
N, 50217, 5929, 15.9, L62.8
N, 50180, 6004, 16, L62.9
N, 50141, 6088, 16.2, L62.10
N, 50095, 6178, 16.3, L62.11
N, 50055, 6260, 16.5, L62.12
N, 49997, 6379, 16.7, L62.13
N, 49944, 6486, 16.9, L62.14
L30 SB Poinsettia On Ramp, 16
N, 51262, 3849, 28.3, L30.3
N, 51229, 3910, 28.3, L30.4
N, 51176, 4007, 27.6, L30.5
N, 51127, 4094, 26.9, L30.6
N, 51095, 4145, 26.4, L30.7
N, 51057, 4191, 25.8, L30.8
N, 51030, 4220, 26, L30.9
N, 50992, 4252, 26.8, L30.10
N, 50936, 4291, 28.2, L30.11
N, 50915, 4314, 28.8, L30.12
N, 50902, 4341, 29.4, L30.13
L32 SB Poinsettia Off ramp, 17
Y, 50889, 4383, 29.2, L32.1
Y, 50884, 4430, 27.6, L32.2
N, 50878, 4489, 25.4, L32.3
N, 50866, 4547, 24.2, L32.4
N, 50848, 4603, 23.2, L32.5
N, 50824, 4658, 22.9, L32.6
N, 50808, 4698, 22.7, L32.7
N, 50768, 4784, 22.3, L32.8
L34 SB Palomar Airport On Ramp, 18
N, 50381, 5553, 16.8, L34.1

N, 50328, 5648, 16.2, L34.2
N, 50284, 5739, 15.7, L34.3
N, 50235, 5838, 15.4, L34.4
N, 50195, 5917, 15.7, L34.5
N, 50157, 5993, 15.8, L34.6
N, 50116, 6071, 15.8, L34.7
N, 50071, 6160, 15.5, L34.8
N, 50029, 6229, 15.5, L34.9
N, 49970, 6332, 17.5, L34.10
N, 49939, 6380, 19, L34.11
N, 49908, 6411, 19.8, L34.12
N, 49861, 6446, 21, L34.13
N, 49823, 6463, 21.2, L34.14
B2 SB Soundwall ROW - North From Poinsettia, 1, 2, 0, 0
50881, 4380, 29.2, 29.2, B2.1
50877, 4426, 27.6, 27.6, B2.2
50871, 4487, 25.4, 25.4, B2.3
50860, 4544, 24.2, 24.2, B2.4
50843, 4600, 23.2, 23.2, B2.5
50820, 4654, 22.9, 22.9, B2.6
50803, 4694, 22.7, 22.7, B2.7
50761, 4779, 22.3, 22.3, B2.8
50709, 4874, 21.8, 21.8, B2.9
50659, 4970, 21.5, 21.5, B2.10
B3 SB Soundwall ROW , 2, 2, 0, 0
50659, 4970, 21.5, 21.5, B3.1
50612, 5065, 20.5, 20.5, B3.2
50558, 5175, 19.5, 19.5, B3.3
50532, 5229, 19, 19, B3.4
50505, 5283, 18.8, 18.8, B3.5
50479, 5338, 18.3, 18.3, B3.6
50441, 5417, 17.8, 17.8, B3.7
50408, 5482, 17.3, 17.3, B3.8
50374, 5547, 16.8, 16.8, B3.9
B1 SB Building - INNS of America, 3, 2, 0, 0
50826, 4397, 22.6, 32.6, B1.1
50820, 4435, 22.4, 32.4, B1.2
50819, 4457, 21.8, 31.8, B1.3
50815, 4507, 20.9, 30.9, B1.4
B4 SB Building - Motel 6, 4, 2, 0, 0
50754, 4544, 21.8, 31.8, B4.1
50821, 4560, 21.8, 31.8, B4.2
50809, 4612, 21.8, 31.8, B4.3
50738, 4594, 21.8, 31.8, B4.4
B5 SB Building - Ramada, 5, 2, 0, 0
50728, 4632, 22.2, 32.2, B5.1
50799, 4651, 22, 32, B5.2
50777, 4700, 22, 32, B5.3
50714, 4680, 22, 32, B5.4
B6 SB Building - Hotel, 6, 2, 0, 0
50700, 4729, 22.6, 32.6, B6.1
50753, 4743, 22.6, 32.6, B6.2
50743, 4763, 22.1, 32.1, B6.3
50695, 4748, 22.1, 32.1, B6.4
B7 SB Building - Hotel/Comm, 7, 2, 0, 0
50678, 4784, 22.2, 32.2, B7.1

50716, 4794, 22.3, 32.3, B7.2
50711, 4813, 21.3, 31.3, B7.3
50711, 4813, 21.3, 21.3, B7.3
50718, 4842, 21.2, 21.2, B7.4
50718, 4842, 21.2, 31.2, B7.4
50681, 4905, 20.8, 30.8, B7.5
50660, 4898, 20.4, 30.4, B7.6
B8 SB Building - Comm, 8, 2, 0, 0
50604, 5036, 19.8, 27.8, B8.1
50576, 5091, 19, 27, B8.2
50568, 5107, 18.3, 26.3, B8.3
50551, 5144, 18.2, 26.2, B8.4
50517, 5144, 19, 27, B8.5
B9 SB Property Wall - MFR, 9, 2, 0, 0
50568, 4944, 19.25, 21.993, B9.1
50514, 5054, 18.75, 21.493, B9.2
50444, 5136, 18.25, 20.993, B9.3
B62 Center Divider, 10, 2, 0, 0
51257, 3926, 28.6, 29.6, B62.3
51218, 3998, 28.4, 29.4, B62.4
51157, 4110, 27.5, 28.5, B62.5
51115, 4191, 27, 28, B62.6
51075, 4266, 26.5, 27.5, B62.7
51019, 4369, 25.6, 26.6, B62.8
50968, 4466, 25, 26, B62.9
50900, 4593, 24, 25, B62.10
50850, 4689, 23.4, 24.4, B63.2
50790, 4800, 22.5, 23.5, B63.3
50740, 4894, 21.8, 22.8, B63.4
B63 Center Divider, 11, 2, 0, 0
50740, 4894, 21.8, 22.8, B63.4
50692, 4984, 21.3, 22.3, B63.5
50642, 5080, 20.5, 21.5, B63.6
50589, 5189, 19.7, 20.7, B63.7
50537, 5298, 19, 20, B63.8
50509, 5353, 18.5, 19.5, B63.9
50470, 5435, 18, 19, B63.10
50403, 5570, 17, 18, B64.2
50358, 5663, 16.4, 17.4, B64.3
50312, 5753, 15.9, 16.9, B64.4
B64 Center Divider, 12, 2, 0, 0
50312, 5753, 15.9, 16.9, B64.4
50263, 5854, 15.6, 16.6, B64.5
50224, 5934, 15.9, 16.9, B64.6
50188, 6007, 16, 17, B64.7
50146, 6092, 16.2, 17.2, B64.8
50102, 6182, 16.3, 17.3, B64.9
50063, 6263, 16.5, 17.5, B64.10
50004, 6384, 16.7, 17.7, B65.2
49952, 6489, 16.9, 17.9, B65.3
R, 1, 67, 4
50713, 4506, 22.5, R14.1
R, 2, 67, 4
50655, 4689, 22.3, R14.2
R, 3, 67, 4
50693, 4736, 24.0, R14.2A

R, 4, 67, 4
50601, 4810, 21.5, R14.3
R, 5, 67, 4
50554, 4965, 20.5, R14.4
R, 6, 67, 4
50501, 5047, 20.25, R14.5
R, 7, 67, 4
50469, 5102, 20, R14.6
D, 4.5
All, All
K, 0
All, All

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGMENT 14 - POINSETTIA TO PALOMAR AIRPORT ROAD - No Build - SOUTH BOUN

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	- 0.*								B2.1	151.6	
2	- 0.*								B2.2	201.2	
3	- 0.*								B2.3	190.5	
4	- 0.*								B2.4	192.1	
5	- 0.*								B2.5	192.5	
6	- 0.*								B2.6	142.7	
7	- 0.*								B2.7	311.0	
8	- 0.*								B2.8	355.3	
9	- 0.*								B2.9	355.1	
10	- 0.*								B3.1	347.8	
11	- 0.*								B3.2	402.0	
12	- 0.*								B3.3	196.7	
13	- 0.*								B3.4	198.1	
14	- 0.*								B3.5	199.6	
15	- 0.*								B3.6	287.6	
16	- 0.*								B3.7	239.2	
17	- 0.*								B3.8	240.6	
18	- 33.*								B1.1	126.1	
19	- 33.*								B1.2	72.3	
20	- 33.*								B1.3	164.5	
21	- 33.*								B4.1	226.1	
22	- 33.*								B4.2	175.1	
23	- 33.*								B4.3	240.3	
24	- 33.*								B5.1	241.2	
25	- 33.*								B5.2	176.2	
26	- 33.*								B5.3	216.9	
27	- 33.*								B6.1	179.9	
28	- 33.*								B6.2	73.4	
29	- 33.*								B6.3	165.0	
30	- 33.*								B7.1	128.9	
31	- 33.*								B7.2	64.6	
32	- 16.*								B7.3	32.8	
33	- 0.*								B7.3	97.8	
34	- 16.*								B7.4	32.8	
35	- 33.*								B7.4	239.7	
36	- 33.*								B7.5	72.6	

```
37    - 26.*                    B8.1     202.5
38    - 26.*                    B8.2      58.7
39    - 26.*                    B8.3     133.6
40    - 26.*                    B8.4     111.5

41    -  9.*                   B9.1     402.1
42    -  9.*                   B9.2     353.7

43    -  3.*                   B62.3     268.6
44    -  3.*                   B62.4     418.5
45    -  3.*                   B62.5     299.3
46    -  3.*                   B62.6     278.9
47    -  3.*                   B62.7     384.6
48    -  3.*                   B62.8     359.6
49    -  3.*                   B62.9     472.6
50    -  3.*                   B62.10    355.2
51    -  3.*                   B63.2     413.9
52    -  3.*                   B63.3     349.3

53    -  3.*                   B63.4     334.7
54    -  3.*                   B63.5     355.1
55    -  3.*                   B63.6     397.7
56    -  3.*                   B63.7     396.2
57    -  3.*                   B63.8     202.5
58    -  3.*                   B63.9     298.0
59    -  3.*                   B63.10    494.5
60    -  3.*                   B64.2     339.0
61    -  3.*                   B64.3     331.6

62    -  3.*                   B64.4     368.2
63    -  3.*                   B64.5     292.0
64    -  3.*                   B64.6     267.0
65    -  3.*                   B64.7     311.1
66    -  3.*                   B64.8     328.7
67    -  3.*                   B64.9     294.9
68    -  3.*                   B64.10    441.7
69    -  3.*                   B65.2     384.4
-------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
------------------------------
 1  R14.1    67.   500.   61.6
 2  R14.2    67.   500.   62.9
 3  R14.2A   67.    500.   57.9
 4  R14.3    67.   500.   63.9
 5  R14.4    67.   500.   63.0
 6  R14.5    67.   500.   64.7
 7  R14.6    67.   500.   63.3
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.33.33.33.33.33.33.33.33.
```

33.33.33.33.33.33.16. 0.16.33.33.26.26.26.26. 9. 9. 3. 3. 3. 3. 3. 3. 3. 3.
3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.

Roadway Segment 14 - Poinsettia to Palomar Airport Road - Future No Barrier - North Bound
T NB Truck,1
4819,65,173,65,408,65
T NB Truck (cont),2
4819,65,173,65,408,65
T NB Car,3
3485,65,115,65,0,0
T NB Car (cont),4
3485,65,115,65,0,0
T NB HOV,5
3000,65,0,65,0,0
T NB HOV (cont),6
3000,65,0,0,0,0
T NB Poinsettia Off ramp,7
1900,45,48,45,52,45
T NB Poinsettia On ramp,8
950,45,24,45,26,45
T NB Palomar Airport Off Ramp,9
1900,45,48,45,52,45
T SB Truck,10
4819,65,173,65,408,65
T SB Truck (cont),11
4819,65,173,65,408,65
T SB Car,12
3485,65,115,65,0,0
T SB Car (cont),13
3485,65,115,65,0,0
T SB HOV,14
3000,65,0,0,0,0
T SB HOV (cont),15
3000,65,0,0,0,0
T SB Poinsettia On Ramp,16
950,45,24,45,26,45
T SB Poinsettia Off ramp,17
950,45,24,45,26,45
T SB Palomar Airport On Ramp,18
950,45,24,45,26,45
L9 NB Truck,1
N,51280,3940,28.3, L9.1
N,51243,4011,28.2, L9.2
N,51183,4122,27.3, L9.3
N,51139,4203,26.8, L9.4
N,51099,4278,26.2, L9.5
N,51044,4380,25.5, L9.6
N,50992,4479,24.8, L9.7
N,50923,4606,23.7, L9.8
N,50873,4702,23.2, L9.9
N,50812,4815,22.3, L9.10
N,50763,4907,21.8, L9.11
N,50717,4996,21.1, L9.12
N,50668,5093,20.3, L9.13
N,50613,5203,19.5, L9.14
N,50561,5309,18.8, L9.15
L71 NB Truck (cont),2
N,50561,5309,18.8, L71.1
N,50534,5365,18.5, L71.2

N,50491,5449,17.8, L71.3
N,50427,5584,16.8, L71.4
N,50380,5676,16.2, L71.5
N,50336,5765,15.7, L71.6
N,50287,5865,15.4, L71.7
N,50247,5944,15.7, L71.8
N,50212,6015,15.8, L71.9
N,50168,6103,16, L71.10
N,50125,6193,16.1, L71.11
N,50086,6273,16.3, L71.12
N,50025,6395,16.5, L71.13
N,49974,6501,16.7, L71.14
L19 NB Car,3
N,51272,3935,28.3, L19.1
N,51233,4006,28.2, L19.2
N,51175,4118,27.3, L19.3
N,51131,4199,26.8, L19.4
N,51092,4273,26.2, L19.5
N,51037,4377,25.5, L19.6
N,50984,4475,24.8, L19.7
N,50917,4603,23.7, L19.8
N,50865,4698,23.2, L19.9
N,50804,4810,22.3, L19.10
N,50756,4901,21.8, L19.11
N,50709,4992,21.1, L19.12
N,50659,5088,20.3, L19.13
N,50605,5198,19.5, L19.14
N,50554,5305,18.8, L19.15
L91 NB Car (cont),4
N,50554,5305,18.8, L91.1
N,50526,5361,18.5, L91.2
N,50483,5446,17.8, L91.3
N,50418,5581,16.8, L91.4
N,50374,5671,16.2, L91.5
N,50329,5761,15.7, L91.6
N,50279,5860,15.4, L91.7
N,50239,5941,15.7, L91.8
N,50205,6010,15.8, L91.9
N,50162,6099,16, L91.10
N,50117,6188,16.1, L91.11
N,50078,6270,16.3, L91.12
N,50018,6392,16.5, L91.13
N,49966,6496,16.7, L91.14
L59 NB HOV,5
N,51264,3930,28.6, L59.1
N,51226,4002,28.4, L59.2
N,51166,4114,27.5, L59.3
N,51122,4195,27, L59.4
N,51082,4269,26.5, L59.5
N,51028,4372,25.6, L59.6
N,50975,4471,25, L59.7
N,50906,4598,24, L59.8
N,50856,4693,23.4, L59.9
N,50796,4806,22.5, L59.10
N,50747,4897,21.8, L59.11
N,50699,4987,21.3, L59.12

N,50652,5083,20.5, L59.13
N,50597,5193,19.7, L59.14
N,50545,5300,19, L59.15
L61 NB HOV (cont),6
N,50545,5300,19.2, L61.1
N,50516,5357,18.5, L61.2
N,50476,5442,18, L61.3
N,50409,5576,17, L61.4
N,50365,5666,16.4, L61.5
N,50320,5756,15.9, L61.6
N,50271,5856,15.6, L61.7
N,50231,5937,15.9, L61.8
N,50197,6006,16, L61.9
N,50154,6095,16.2, L61.10
N,50110,6184,16.3, L61.11
N,50070,6266,16.5, L61.12
N,50010,6387,16.7, L61.13
N,49958,6493,16.9, L61.14
L29 NB Poinsettia Off ramp,7
N,51229.0,4044.0,27.7,L29.1
N,51184.8,4147.2,26.7,L29.2
N,51146.7,4239.4,26.8,L29.3
N,51110.6,4332.2,30.9,L29.4
N,51100.6,4371.2,32.8,L29.5
L31 NB Poinsettia On ramp,8
Y,51084,4430,33.5, L31.1
Y,51067,4456,32, L31.2
Y,51024,4499,28.3, L31.3
N,50985,4542,25.1, L31.4
N,50949,4589,23.6, L31.5
N,50914,4642,23.2, L31.6
N,50848,4760,22.7, L31.7
N,50798,4849,21.85, L31.8
L33 NB Palomar Airport Off Ramp,9
N,50163.7236,6128.4242,15.8, L33.1
N,50138.3109,6193.6638,15.8, L33.2
N,50102.0486,6286.7565,16.2, L33.3
N,50081.9775,6342.5798,18.2, L33.4
N,50073.6084,6380.9602,20.3, L33.5
N,50065.0383,6471.2617,24.1, L33.6
L10 SB Truck,10
N,51234,3912,28.3, L10.1
N,51194,3984,28.2, L10.2
N,51134,4096,27.3, L10.3
N,51092,4175,26.8, L10.4
N,51052,4250,26.2, L10.5
N,50997,4355,25.5, L10.6
N,50946,4451,24.8, L10.7
N,50878,4579,23.7, L10.8
N,50827,4676,23.2, L10.9
N,50768,4784,22.3, L10.10
N,50718,4881,21.8, L10.11
N,50668,4972,21.5, L10.12
N,50619,5068,20.5, L10.13
N,50565,5178,19.5, L10.14
N,50513,5286,18.8, L10.15

L70 SB Truck (cont),11
N,50513,5286,18.8, L70.1
N,50485,5340,18.3, L70.2
N,50445,5420,17.2, L70.3
N,50381,5553,16.8, L70.4
N,50332,5650,16.2, L70.5
N,50289,5741,15.7, L70.6
N,50239,5841,15.4, L70.7
N,50200,5921,15.7, L70.8
N,50163,5996,15.8, L70.9
N,50121,6080,16, L70.10
N,50078,6169,16.1, L70.11
N,50038,6249,16.3, L70.12
N,49980,6372,16.5, L70.13
N,49928,6479,16.7, L70.14
L20 SB Car,12
N,51242,3917,28.3, L20.1
N,51202,3989,28.2, L20.2
N,51142,4101,27.3, L20.3
N,51100,4179,26.8, L20.4
N,51059,4254,26.2, L20.5
N,51004,4359,25.5, L20.6
N,50953,4455,24.8, L20.7
N,50884,4583,23.7, L20.8
N,50833,4679,23.2, L20.9
N,50775,4788,22.3, L20.10
N,50725,4885,21.8, L20.11
N,50676,4976,21.5, L20.12
N,50627,5072,20.5, L20.13
N,50573,5182,19.5, L20.14
N,50520,5290,18.8, L20.15
L90 SB Car (cont),13
N,50520,5290,18.8, L90.1
N,50493,5344,18.3, L90.2
N,50454,5424,17.2, L90.3
N,50388,5557,16.8, L90.4
N,50341,5655,16.2, L90.5
N,50297,5746,15.7, L90.6
N,50247,5846,15.4, L90.7
N,50208,5925,15.7, L90.8
N,50170,6000,15.8, L90.9
N,50130,6084,16, L90.10
N,50086,6174,16.1, L90.11
N,50046,6254,16.3, L90.12
N,49988,6375,16.5, L90.13
N,49936,6482,16.7, L90.14
L60 SB HOV,14
N,51250,3921,28.6, L60.1
N,51211,3993,28.4, L60.2
N,51151,4106,27.5, L60.3
N,51109,4185,27, L60.4
N,51068,4261,26.5, L60.5
N,51013,4365,25.6, L60.6
N,50960,4462,25, L60.7
N,50893,4589,24, L60.8
N,50841,4685,23.4, L60.9

N,50784,4793,22.5, L60.10
N,50732,4890,21.8, L60.11
N,50684,4980,21.3, L60.12
N,50634,5077,20.5, L60.13
N,50582,5186,19.7, L60.14
N,50530,5294,19, L60.15
L62 SB HOV (cont),15
N,50530,5294,19.2, L62.1
N,50503,5349,18.5, L62.2
N,50463,5428,18, L62.3
N,50398,5563,17, L62.4
N,50349,5659,16.4, L62.5
N,50305,5749,15.9, L62.6
N,50256,5850,15.6, L62.7
N,50217,5929,15.9, L62.8
N,50180,6004,16, L62.9
N,50141,6088,16.2, L62.10,
N,50095,6178,16.3, L62.11,
N,50055,6260,16.5, L62.12,
N,49997,6379,16.7, L62.13,
N,49944,6486,16.9, L62.14,
L30 SB Poinsettia On Ramp,16
N,50909.3,4324.9,29.3,L30.1
N,50935.5,4291.9,28.7,L30.2
N,50984.7,4257.1,27.4,L30.3
N,51057.9,4190.9,26.1,L30.4
N,51117.5,4111.6,26.8,L30.5
N,51166.6,4024.5,27.45,L30.6
N,51190.2,3981.5,27.8,L30.7,
L32 SB Poinsettia Off ramp,17
Y,50792,4733,22.4, L32.1
Y,50832,4640,22.85, L32.2
N,50859,4577,23.5, L32.3
N,50880,4481,26.5, L32.4
N,50884,4429,28.2, L32.5
N,50880,4481,29.5, L32.6
L34 SB Palomar Airport On Ramp,18
N,49824.1635,6463.4071,21.5, L34.1
N,49860.9401,6446.6462,21.8, L34.2
N,49894.5008,6423.7818,20.8, L34.3
N,49936.7359,6382.2869,18.8, L34.4
N,49969.8545,6333.4677,17, L34.5
N,50000.2682,6281.1104,15.9, L34.6
N,50030.7728,6229.8062,15.6, L34.7
N,50061.2775,6178.5019,15.6, L34.8
N,50098.2733,6107.4122,15.5, L34.9
N,50143.6558,6020.2069,15.8, L34.10
B10 NB Soundwall ROW - Poinsettia to Spindrift,1,2,0,0
51148,4442,38.8,40.325, B10.1
51122,4438,38.1,39.928, B10.2
51101,4435,34.8,36.628, B10.3
51080,4469,34.5,36.328, B10.4
51042,4510,32,33.828, B10.5
50984,4569,28,29.828, B10.6
50927,4652,27.9,29.728, B10.7
50895,4704,27.8,29.628, B10.8

50881,4721,25.8,27.628, B10.9
50839,4797,25.3,27.128, B10.10
50809,4853,25,26.828, B11.2
B11 NB Soundwall ROW - Spindrift to Rosa,2,2,0,0
50809,4853,25,26.828, B11.2
50763,4940,24,25.828, B11.3
50728,5010,24,25.828, B11.4
50701,5059,23.5,25.328, B11.5
50680,5106,23.2,25.028, B11.6
50664,5140,23,24.828, B11.7
50664,5140,23,23, B11.7
50649,5163,20.5,20.5, B11.8
50649,5163,20.5,22.025, B11.8
50634,5196,21,22.525, B11.9
50596,5274,21,22.525, B11.10
B12 NB Soundwall - North from Rosa,3,2,0,0
50596,5274,21,22.525, B11.10
50561,5353,21.5,23.025, B12.2
50535,5413,21.5,23.025, B12.3
50535,5413,21.5,23.025, B12.3
50511,5467,22,23.525, B12.4
50485,5518,21.7,23.225, B12.5
50465,5565,22,23.525, B12.6
50427,5646,22.8,24.325, B12.7
B12 NB Soundwall (cont) - North from Rosa,4,2,0,0
50427,5646,22.8,22.8, B12.7
50401,5703,23,23, B12.8
50399,5723,24,24, B12.9
50383,5781,23.8,23.8, B12.10
B15 NB Soundwall - South From Palomar Airport,5,2,0,0
50284,5925,16,16, B15.1
50241,5994,16.7,16.7, B15.2
50209,6056,17.5,17.5, B15.3
50191,6087,18,18, B15.4
50166,6138,18.5,18.5, B15.5
50155,6183,20,20, B15.6
50143,6229,23.3,23.3, B15.7
50119,6286,23.5,23.5, B15.8
50103,6327,22.8,22.8, B15.9
50089,6382,23.7,23.7, B15.10
50085,6444,23.7,23.7, B16.2
B20 NB Terrain Line - Poinsettia Bridge,6,2,0,0
51085,4392,33.4,33.4, B20.1
51052,4383,33.1,33.1, B20.2
51037,4411,33.1,33.1, B20.3
51076,4422,33.3,33.3, B20.4
51095,4428,33.5,33.5, B20.5
B13 NB Building - Comm,7,2,0,0
50430,5726,24,32, B13.1
50403,5716,24,32, B13.2
50389,5779,24,32, B13.3
B14 NB Building - Comm,10,2,0,0
50383,5781,23.8,23.8, B14.1
50372,5794,15.3,15.3, B14.2
50372,5794,15.3,23.3, B14.2
50334,5866,15.1,23.1, B14.3

50398,5925,14.1,22.1, B14.4
B17 NB Building - Comm,9,2,0,0
50216,6073,17.8,25.8, B17.1
50190,6143,19.5,27.5, B17.2
50178,6181,20,28, B17.3
B18 NB Building - Comm,10,2,0,0
50150,6242,23.3,31.3, B18.1
50129,6291,23.7,31.7, B18.2
50156,6303,23.8,31.8, B18.3
B62 Center Divider,11,2,0,0
51257,3926,28.6,29.6, B62.3
51218,3998,28.4,29.4, B62.4
51157,4110,27.5,28.5, B62.5
51115,4191,27,28, B62.6
51075,4266,26.5,27.5, B62.7
51019,4369,25.6,26.6, B62.8
50968,4466,25,26, B62.9
50900,4593,24,25, B62.10
50850,4689,23.4,24.4, B63.2
50790,4800,22.5,23.5, B63.3
50740,4894,21.8,22.8, B63.4
B63 Center Divider,12,2,0,0
50740,4894,21.8,22.8, B63.4
50692,4984,21.3,22.3, B63.5
50642,5080,20.5,21.5, B63.6
50589,5189,19.7,20.7, B63.7
50537,5298,19,20, B63.8
50509,5353,18.5,19.5, B63.9
50470,5435,18,19, B63.10
50403,5570,17,18, B64.2
50358,5663,16.4,17.4, B64.3
50312,5753,15.9,16.9, B64.4
B64 Center Divider,13,2,0,0
50312,5753,15.9,16.9, B64.4
50263,5854,15.6,16.6, B64.5
50224,5934,15.9,16.9, B64.6
50188,6007,16,17, B64.7
50146,6092,16.2,17.2, B64.8
50102,6182,16.3,17.3, B64.9
50063,6263,16.5,17.5, B64.10
50004,6384,16.7,17.7, B65.2
49952,6489,16.9,17.9, B65.3
R,1,67,4,
51124,4447,40.4, R14.7
R,2,67,4,
51089,4465,36.1, R14.8
R,3,67,4,
51046,4543,36.7, R14.9
R,4,67,4
51008,4567,30.7, R14.10
R,5,67,4
50965,4602,29.7, R14.11
R,6,67,4
50899,4704,29.3, R14.12
R,7,67,4
50909,4741,28, R14.13

R,8,67,4
50870,4765,27.1, R14.14
R,9,67,4
50811,4874,26, R14.15
R,10,67,4
50793,4935,26, R14.16
R,11,67,4
50751,4976,26.1, R14.17
R,12,67,4
50741,5036,25.8, R14.18
R,13,67,4
50697,5092,25.2, R14.19
R,14,67,4
50685,5168,23.6, R14.20
R,15,67,4
50648,5194,23.7, R14.21
R,16,67,4
50611,5326,24.1, R14.22
R,17,67,4
50574,5354,23.7, R14.23
R,18,67,4
50568,5440,24.3, R14.24
R,19,67,4
50503,5496,23.7, R14.25
R,20,67,4
50475,5559,24.5, R14.26
R,21,67,4
50471,5611,24.5, R14.27
R,22,67,4
50428,5671,24.7, R14.28
R,23,67,4
50309,6110,19.9, R14.29
R,24,67,4
50205,6154,21.6, R14.30
D,4.5
All, All
K,0
All, All

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGMENT 14 - POINSETTIA TO PALOMAR AIRPORT ROAD - FUTURE NO BARRIER – NORTH BOUND

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	6.*							B10.1	86.3	
2	-	6.*							B10.2	70.4	
3	-	6.*							B10.3	131.2	
4	-	6.*							B10.4	183.6	
5	-	6.*							B10.5	271.8	
6	-	6.*							B10.6	330.3	
7	-	6.*							B10.7	200.3	
8	-	6.*							B10.8	72.5	
9	-	6.*							B10.9	284.9	
10	-	6.*							B10.10	208.4	
11	-	6.*							B11.2	322.9	
12	-	6.*							B11.3	256.8	
13	-	6.*							B11.4	183.6	
14	-	6.*							B11.5	168.9	
15	-	6.*							B11.6	123.2	
16	-	3.*							B11.7	6.0	
17	-	0.*							B11.7	90.5	
18	-	3.*							B11.8	5.0	
19	-	5.*							B11.8	118.9	
20	-	5.*							B11.9	284.6	
21	-	5.*							B11.10	283.5	
22	-	5.*							B12.2	214.6	
23	-	5.*							B12.3	.0	
24	-	5.*							B12.3	193.9	
25	-	5.*							B12.4	187.8	
26	-	5.*							B12.5	167.6	
27	-	5.*							B12.6	293.5	
28	-	0.*							B12.7	205.5	
29	-	0.*							B12.8	66.0	
30	-	0.*							B12.9	197.4	
31	-	0.*							B15.1	266.8	
32	-	0.*							B15.2	228.9	
33	-	0.*							B15.3	117.6	
34	-	0.*							B15.4	186.3	
35	-	0.*							B15.5	152.0	
36	-	0.*							B15.6	156.4	
37	-	0.*							B15.7	202.9	
38	-	0.*							B15.8	144.4	

39	-	0.*	B15.9	186.2
40	-	0.*	B15.10	203.8
41	-	0.*	B20.1	112.3
42	-	0.*	B20.2	104.2
43	-	0.*	B20.3	133.0
44	-	0.*	B20.4	65.3
45	-	26.*	B13.1	94.5
46	-	26.*	B13.2	211.8
47	-	0.*	B14.1	62.5
48	-	13.*	B14.2	26.2
49	-	26.*	B14.2	267.1
50	-	26.*	B14.3	285.6
51	-	26.*	B17.1	245.1
52	-	26.*	B17.2	130.8
53	-	26.*	B18.1	174.9
54	-	26.*	B18.2	96.9
55	-	3.*	B62.3	268.6
56	-	3.*	B62.4	418.5
57	-	3.*	B62.5	299.3
58	-	3.*	B62.6	278.9
59	-	3.*	B62.7	384.6
60	-	3.*	B62.8	359.6
61	-	3.*	B62.9	472.6
62	-	3.*	B62.10	355.2
63	-	3.*	B63.2	413.9
64	-	3.*	B63.3	349.3
65	-	3.*	B63.4	334.7
66	-	3.*	B63.5	355.1
67	-	3.*	B63.6	397.7
68	-	3.*	B63.7	396.2
69	-	3.*	B63.8	202.5
70	-	3.*	B63.9	298.0
71	-	3.*	B63.10	494.5
72	-	3.*	B64.2	339.0
73	-	3.*	B64.3	331.6
74	-	3.*	B64.4	368.2
75	-	3.*	B64.5	292.0
76	-	3.*	B64.6	267.0
77	-	3.*	B64.7	311.1
78	-	3.*	B64.8	328.7
79	-	3.*	B64.9	294.9
80	-	3.*	B64.10	441.7
81	-	3.*	B65.2	384.4

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0 1 2 3 4 5 6 7

1

REC REC ID DNL PEOPLE LEQ(CAL)

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 1  R14.7   67.   500.  71.4
 2  R14.8   67.   500.  70.9
 3  R14.9   67.   500.  73.3
 4  R14.10  67.   500.  72.7
 5  R14.11  67.   500.  75.5
 6  R14.12  67.   500.  75.2
 7  R14.13  67.   500.  71.6
 8  R14.14  67.   500.  74.5
 9  R14.15  67.   500.  73.7
10  R14.16  67.   500.  73.1
11  R14.17  67.   500.  77.2
12  R14.18  67.   500.  73.1
13  R14.19  67.   500.  75.3
14  R14.20  67.   500.  73.8
15  R14.21  67.   500.  77.5
16  R14.22  67.   500.  73.6
17  R14.23  67.   500.  75.9
18  R14.24  67.   500.  71.9
19  R14.25  67.   500.  76.0
20  R14.26  67.   500.  76.5
21  R14.27  67.   500.  72.1
22  R14.28  67.   500.  75.7
23  R14.29  67.   500.  68.1
24  R14.30  67.   500.  65.6
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 3. 0. 3. 5. 5. 5. 5. 5. 5. 5.
 5. 5. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.26.26. 0.13.26.26.
26.26.26.26. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
 3. 3. 3. 3. 3. 3.
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Roadway Segment 14 - Poinsettia to Palomar Airport Road - Future No Barrier - South Bound
T NB Truck,1
4819,65,173,65,408,65
T NB Truck (cont),2
4819,65,173,65,408,65
T NB Car,3
3485,65,115,65,0,0
T NB Car (cont),4
3485,65,115,65,0,0
T NB HOV,5
3000,65,0,65,0,0
T NB HOV (cont),6
3000,65,0,0,0,0
T NB Poinsettia Off ramp,7
1900,45,48,45,52,45,
T NB Poinsettia On ramp,8
950,45,24,45,26,45
T NB Palomar Airport Off Ramp,9
1900,45,48,45,52,45
T SB Truck,10
4819,65,173,65,408,65
T SB Truck (cont),11
4819,65,173,65,408,65
T SB Car,12
3485,65,115,65,0,0
T SB Car (cont),13
3485,65,115,65,0,0
T SB HOV,14
3000,65,0,0,0,0
T SB HOV (cont),15
3000,65,0,0,0,0
T SB Poinsettia On Ramp,16
950,45,24,45,26,45
T SB Poinsettia Off ramp,17
950,45,24,45,26,45
T SB Palomar Airport On Ramp,18
950,45,24,45,26,45
L9 NB Truck,1
N,51280,3940,28.3, L9.1
N,51243,4011,28.2, L9.2
N,51183,4122,27.3, L9.3
N,51139,4203,26.8, L9.4
N,51099,4278,26.2, L9.5
N,51044,4380,25.5, L9.6
N,50992,4479,24.8, L9.7
N,50923,4606,23.7, L9.8
N,50873,4702,23.2, L9.9
N,50812,4815,22.3, L9.10
N,50763,4907,21.8, L9.11
N,50717,4996,21.1, L9.12
N,50668,5093,20.3, L9.13
N,50613,5203,19.5, L9.14
N,50561,5309,18.8, L9.15
L71 NB Truck (cont),2
N,50561,5309,18.8, L71.1
N,50534,5365,18.5, L71.2

N,50491,5449,17.8, L71.3
N,50427,5584,16.8, L71.4
N,50380,5676,16.2, L71.5
N,50336,5765,15.7, L71.6
N,50287,5865,15.4, L71.7
N,50247,5944,15.7, L71.8
N,50212,6015,15.8, L71.9
N,50168,6103,16, L71.10
N,50125,6193,16.1, L71.11
N,50086,6273,16.3, L71.12
N,50025,6395,16.5, L71.13
N,49974,6501,16.7, L71.14
L19 NB Car,3
N,51272,3935,28.3, L19.1
N,51233,4006,28.2, L19.2
N,51175,4118,27.3, L19.3
N,51131,4199,26.8, L19.4
N,51092,4273,26.2, L19.5
N,51037,4377,25.5, L19.6
N,50984,4475,24.8, L19.7
N,50917,4603,23.7, L19.8
N,50865,4698,23.2, L19.9
N,50804,4810,22.3, L19.10
N,50756,4901,21.8, L19.11
N,50709,4992,21.1, L19.12
N,50659,5088,20.3, L19.13
N,50605,5198,19.5, L19.14
N,50554,5305,18.8, L19.15
L91 NB Car (cont),4
N,50554,5305,18.8, L91.1
N,50526,5361,18.5, L91.2
N,50483,5446,17.8, L91.3
N,50418,5581,16.8, L91.4
N,50374,5671,16.2, L91.5
N,50329,5761,15.7, L91.6
N,50279,5860,15.4, L91.7
N,50239,5941,15.7, L91.8
N,50205,6010,15.8, L91.9
N,50162,6099,16, L91.10
N,50117,6188,16.1, L91.11
N,50078,6270,16.3, L91.12
N,50018,6392,16.5, L91.13
N,49966,6496,16.7, L91.14
L59 NB HOV,5
N,51264,3930,28.6, L59.1
N,51226,4002,28.4, L59.2
N,51166,4114,27.5, L59.3
N,51122,4195,27, L59.4
N,51082,4269,26.5, L59.5
N,51028,4372,25.6, L59.6
N,50975,4471,25, L59.7
N,50906,4598,24, L59.8
N,50856,4693,23.4, L59.9
N,50796,4806,22.5, L59.10
N,50747,4897,21.8, L59.11
N,50699,4987,21.3, L59.12

N,50652,5083,20.5, L59.13
N,50597,5193,19.7, L59.14
N,50545,5300,19, L59.15
L61 NB HOV (cont),6
N,50545,5300,19.2, L61.1
N,50516,5357,18.5, L61.2
N,50476,5442,18, L61.3
N,50409,5576,17, L61.4
N,50365,5666,16.4, L61.5
N,50320,5756,15.9, L61.6
N,50271,5856,15.6, L61.7
N,50231,5937,15.9, L61.8
N,50197,6006,16, L61.9
N,50154,6095,16.2, L61.10
N,50110,6184,16.3, L61.11
N,50070,6266,16.5, L61.12
N,50010,6387,16.7, L61.13
N,49958,6493,16.9, L61.14
L29 NB Poinsettia Off ramp,7
N,51229.0,4044.0,27.7,L29.1
N,51184.8,4147.2,26.7,L29.2
N,51146.7,4239.4,26.8,L29.3
N,51110.6,4332.2,30.9,L29.4
N,51100.6,4371.2,32.8,L29.5
L31 NB Poinsettia On ramp,8
Y,51084,4430,33.5, L31.1
Y,51067,4456,32, L31.2
Y,51024,4499,28.3, L31.3
N,50985,4542,25.1, L31.4
N,50949,4589,23.6, L31.5
N,50914,4642,23.2, L31.6
N,50848,4760,22.7, L31.7
N,50798,4849,21.85, L31.8
L33 NB Palomar Airport Off Ramp,9
N,50163.7236,6128.4242,15.8, L33.1
N,50138.3109,6193.6638,15.8, L33.2
N,50102.0486,6286.7565,16.2, L33.3
N,50081.9775,6342.5798,18.2, L33.4
N,50073.6084,6380.9602,20.3, L33.5
N,50065.0383,6471.2617,24.1, L33.6
L10 SB Truck,10
N,51234,3912,28.3, L10.1
N,51194,3984,28.2, L10.2
N,51134,4096,27.3, L10.3
N,51092,4175,26.8, L10.4
N,51052,4250,26.2, L10.5
N,50997,4355,25.5, L10.6
N,50946,4451,24.8, L10.7
N,50878,4579,23.7, L10.8
N,50827,4676,23.2, L10.9
N,50768,4784,22.3, L10.10
N,50718,4881,21.8, L10.11
N,50668,4972,21.5, L10.12
N,50619,5068,20.5, L10.13
N,50565,5178,19.5, L10.14
N,50513,5286,18.8, L10.15

L70 SB Truck (cont),11
N,50513,5286,18.8, L70.1
N,50485,5340,18.3, L70.2
N,50445,5420,17.2, L70.3
N,50381,5553,16.8, L70.4
N,50332,5650,16.2, L70.5
N,50289,5741,15.7, L70.6
N,50239,5841,15.4, L70.7
N,50200,5921,15.7, L70.8
N,50163,5996,15.8, L70.9
N,50121,6080,16, L70.10
N,50078,6169,16.1, L70.11
N,50038,6249,16.3, L70.12
N,49980,6372,16.5, L70.13
N,49928,6479,16.7, L70.14
L20 SB Car,12
N,51242,3917,28.3, L20.1
N,51202,3989,28.2, L20.2
N,51142,4101,27.3, L20.3
N,51100,4179,26.8, L20.4
N,51059,4254,26.2, L20.5
N,51004,4359,25.5, L20.6
N,50953,4455,24.8, L20.7
N,50884,4583,23.7, L20.8
N,50833,4679,23.2, L20.9
N,50775,4788,22.3, L20.10
N,50725,4885,21.8, L20.11
N,50676,4976,21.5, L20.12
N,50627,5072,20.5, L20.13
N,50573,5182,19.5, L20.14
N,50520,5290,18.8, L20.15
L90 SB Car (cont),13
N,50520,5290,18.8, L90.1
N,50493,5344,18.3, L90.2
N,50454,5424,17.2, L90.3
N,50388,5557,16.8, L90.4
N,50341,5655,16.2, L90.5
N,50297,5746,15.7, L90.6
N,50247,5846,15.4, L90.7
N,50208,5925,15.7, L90.8
N,50170,6000,15.8, L90.9
N,50130,6084,16, L90.10
N,50086,6174,16.1, L90.11
N,50046,6254,16.3, L90.12
N,49988,6375,16.5, L90.13
N,49936,6482,16.7, L90.14
L60 SB HOV,14
N,51250,3921,28.6, L60.1
N,51211,3993,28.4, L60.2
N,51151,4106,27.5, L60.3
N,51109,4185,27, L60.4
N,51068,4261,26.5, L60.5
N,51013,4365,25.6, L60.6
N,50960,4462,25, L60.7
N,50893,4589,24, L60.8
N,50841,4685,23.4, L60.9

N,50784,4793,22.5, L60.10
N,50732,4890,21.8, L60.11
N,50684,4980,21.3, L60.12
N,50634,5077,20.5, L60.13
N,50582,5186,19.7, L60.14
N,50530,5294,19, L60.15
L62 SB HOV (cont),15
N,50530,5294,19.2, L62.1
N,50503,5349,18.5, L62.2
N,50463,5428,18, L62.3
N,50398,5563,17, L62.4
N,50349,5659,16.4, L62.5
N,50305,5749,15.9, L62.6
N,50256,5850,15.6, L62.7
N,50217,5929,15.9, L62.8
N,50180,6004,16, L62.9
N,50141,6088,16.2, L62.10
N,50095,6178,16.3, L62.11
N,50055,6260,16.5, L62.12
N,49997,6379,16.7, L62.13
N,49944,6486,16.9, L62.14
L30 SB Poinsettia On Ramp,16
N,50909.3,4324.9,29.3,L30.1
N,50935.5,4291.9,28.7,L30.2
N,50984.7,4257.1,27.4,L30.3
N,51057.9,4190.9,26.1,L30.4
N,51117.5,4111.6,26.8,L30.5
N,51166.6,4024.5,27.45,L30.6
N,51190.2,3981.5,27.8,L30.7
L32 SB Poinsettia Off ramp,17
Y,50792,4733,22.4, L32.1
Y,50832,4640,22.85, L32.2
N,50859,4577,23.5, L32.3
N,50880,4481,26.5, L32.4
N,50884,4429,28.2, L32.5
N,50880,4481,29.5, L32.6
L34 SB Palomar Airport On Ramp,18
N,49824.1635,6463.4071,21.5, L34.1
N,49860.9401,6446.6462,21.8, L34.2
N,49894.5008,6423.7818,20.8, L34.3
N,49936.7359,6382.2869,18.8, L34.4
N,49969.8545,6333.4677,17, L34.5
N,50000.2682,6281.1104,15.9, L34.6
N,50030.7728,6229.8062,15.6, L34.7
N,50061.2775,6178.5019,15.6, L34.8
N,50098.2733,6107.4122,15.5, L34.9
N,50143.6558,6020.2069,15.8, L34.10
B2 SB Soundwall ROW - North From Poinsettia,1,2,0,0
50881,4380,29.2,29.2, B2.1
50877,4426,27.6,27.6, B2.2
50871,4487,25.4,25.4, B2.3
50860,4544,24.2,24.2, B2.4
50843,4600,23.2,23.2, B2.5
50820,4654,22.9,22.9, B2.6
50803,4694,22.7,22.7, B2.7
50761,4779,22.3,22.3, B2.8

50709,4874,21.8,21.8, B2.9
50659,4970,21.5,21.5, B2.10
B3 SB Soundwall ROW ,2,2,0,0
50659,4970,21.5,21.5, B3.1
50612,5065,20.5,20.5, B3.2
50558,5175,19.5,19.5, B3.3
50532,5229,19,19, B3.4
50505,5283,18.8,18.8, B3.5
50479,5338,18.3,18.3, B3.6
50441,5417,17.8,17.8, B3.7
50408,5482,17.3,17.3, B3.8
50374,5547,16.8,16.8, B3.9
B1 SB Building - INNS of America,3,2,0,0
50826,4397,22.6,32.6, B1.1
50820,4435,22.4,32.4, B1.2
50819,4457,21.8,31.8, B1.3
50815,4507,20.9,30.9, B1.4
B4 SB Building - Motel 6,4,2,0,0
50754,4544,21.8,31.8, B4.1
50821,4560,21.8,31.8, B4.2
50809,4612,21.8,31.8, B4.3
50738,4594,21.8,31.8, B4.4
B5 SB Building - Ramada,5,2,0,0
50728,4632,22.2,32.2, B5.1
50799,4651,22,32, B5.2
50777,4700,22,32, B5.3
50714,4680,22,32, B5.4
B6 SB Building - Hotel,6,2,0,0
50700,4729,22.6,32.6, B6.1
50753,4743,22.6,32.6, B6.2
50743,4763,22.1,32.1, B6.3
50695,4748,22.1,32.1, B6.4
B7 SB Building - Hotel/Comm,7,2,0,0
50678,4784,22.2,32.2, B7.1
50716,4794,22.3,32.3, B7.2
50711,4813,21.3,31.3, B7.3
50711,4813,21.3,21.3, B7.3
50718,4842,21.2,21.2, B7.4
50718,4842,21.2,31.2, B7.4
50681,4905,20.8,30.8, B7.5
50660,4898,20.4,30.4, B7.6
B8 SB Building - Comm,8,2,0,0
50604,5036,19.8,27.8, B8.1
50576,5091,19,27, B8.2
50568,5107,18.3,26.3, B8.3
50551,5144,18.2,26.2, B8.4
50517,5144,19,27, B8.5
B9 SB Property Wall - MFR,9,2,0,0
50568,4944,19.25,21.993, B9.1
50514,5054,18.75,21.493, B9.2
50444,5136,18.25,20.993, B9.3
B19 SB Property Wall - SFR,10,2,0,0
50724,4352,21.5,23.328, B19.1
50720,4514,21,22.828, B19.2
50583,4910,19.5,21.328, B19.3
B62 Center Divider,11,2,0,0

51257,3926,28.6,29.6, B62.3
51218,3998,28.4,29.4, B62.4
51157,4110,27.5,28.5, B62.5
51115,4191,27,28, B62.6
51075,4266,26.5,27.5, B62.7
51019,4369,25.6,26.6, B62.8
50968,4466,25,26, B62.9
50900,4593,24,25, B62.10
50850,4689,23.4,24.4, B63.2
50790,4800,22.5,23.5, B63.3
50740,4894,21.8,22.8, B63.4
B63 Center Divider,12,2,0,0
50740,4894,21.8,22.8, B63.4
50692,4984,21.3,22.3, B63.5
50642,5080,20.5,21.5, B63.6
50589,5189,19.7,20.7, B63.7
50537,5298,19,20, B63.8
50509,5353,18.5,19.5, B63.9
50470,5435,18,19, B63.10
50403,5570,17,18, B64.2
50358,5663,16.4,17.4, B64.3
50312,5753,15.9,16.9, B64.4
B64 Center Divider,13,2,0,0
50312,5753,15.9,16.9, B64.4
50263,5854,15.6,16.6, B64.5
50224,5934,15.9,16.9, B64.6
50188,6007,16,17, B64.7
50146,6092,16.2,17.2, B64.8
50102,6182,16.3,17.3, B64.9
50063,6263,16.5,17.5, B64.10
50004,6384,16.7,17.7, B65.2
49952,6489,16.9,17.9, B65.3
B65 New Jersey Barrier,14,2,0,0
50585.4,5121.2,19.8,20.8,B65.1
50602.9,5085.5,20.1,21.1,B65.2
50648.1,4994.0,21.29,22.29,B65.3
50694.5,4903.9,21.82,22.82,B65.4
50726.6,4843.9,21.94,22.94,B65.5
R,1,67,4
50713,4506,22.5, R14.1
R,2,67,4
50655,4689,22.3, R14.2
R,3,67,4
50693,4736,24, R14.2A
R,4,67,4
50601,4810,21.5, R14.3
R,5,67,4
50554,4965,20.5, R14.4
R,6,67,4
50504,5048,20.25, R14.5
R,7,67,4
50469,5102,20, R14.6
D,4.5
All, All
K,0
All, All

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGMENT 14 - POINSETTIA TO PALOMAR AIRPORT ROAD - FUTURE NO BARRIER - SOUTH BOUND

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	- 0.*								B2.1	151.6	
2	- 0.*								B2.2	201.2	
3	- 0.*								B2.3	190.5	
4	- 0.*								B2.4	192.1	
5	- 0.*								B2.5	192.5	
6	- 0.*								B2.6	142.7	
7	- 0.*								B2.7	311.0	
8	- 0.*								B2.8	355.3	
9	- 0.*								B2.9	355.1	
10	- 0.*								B3.1	347.8	
11	- 0.*								B3.2	402.0	
12	- 0.*								B3.3	196.7	
13	- 0.*								B3.4	198.1	
14	- 0.*								B3.5	199.6	
15	- 0.*								B3.6	287.6	
16	- 0.*								B3.7	239.2	
17	- 0.*								B3.8	240.6	
18	- 33.*								B1.1	126.1	
19	- 33.*								B1.2	72.3	
20	- 33.*								B1.3	164.5	
21	- 33.*								B4.1	226.1	
22	- 33.*								B4.2	175.1	
23	- 33.*								B4.3	240.3	
24	- 33.*								B5.1	241.2	
25	- 33.*								B5.2	176.2	
26	- 33.*								B5.3	216.9	
27	- 33.*								B6.1	179.9	
28	- 33.*								B6.2	73.4	
29	- 33.*								B6.3	165.0	
30	- 33.*								B7.1	128.9	
31	- 33.*								B7.2	64.6	
32	- 16.*								B7.3	32.8	
33	- 0.*								B7.3	97.8	
34	- 16.*								B7.4	32.8	
35	- 33.*								B7.4	239.7	
36	- 33.*								B7.5	72.6	

37	-	26.*	B8.1	202.5
38	-	26.*	B8.2	58.7
39	-	26.*	B8.3	133.6
40	-	26.*	B8.4	111.5
41	-	9.*	B9.1	402.1
42	-	9.*	B9.2	353.7
43	-	6.*	B19.1	531.7
44	-	6.*	B19.2	1374.8
45	-	3.*	B62.3	268.6
46	-	3.*	B62.4	418.5
47	-	3.*	B62.5	299.3
48	-	3.*	B62.6	278.9
49	-	3.*	B62.7	384.6
50	-	3.*	B62.8	359.6
51	-	3.*	B62.9	472.6
52	-	3.*	B62.10	355.2
53	-	3.*	B63.2	413.9
54	-	3.*	B63.3	349.3
55	-	3.*	B63.4	334.7
56	-	3.*	B63.5	355.1
57	-	3.*	B63.6	397.7
58	-	3.*	B63.7	396.2
59	-	3.*	B63.8	202.5
60	-	3.*	B63.9	298.0
61	-	3.*	B63.10	494.5
62	-	3.*	B64.2	339.0
63	-	3.*	B64.3	331.6
64	-	3.*	B64.4	368.2
65	-	3.*	B64.5	292.0
66	-	3.*	B64.6	267.0
67	-	3.*	B64.7	311.1
68	-	3.*	B64.8	328.7
69	-	3.*	B64.9	294.9
70	-	3.*	B64.10	441.7
71	-	3.*	B65.2	384.4
72	-	3.*	B65.1	130.4
73	-	3.*	B65.2	334.9
74	-	3.*	B65.3	332.5
75	-	3.*	B65.4	223.2

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0 1 2 3 4 5 6 7

1

REC	REC ID	DNL	PEOPLE	LEQ(CAL)
1	R14.1	67.	500.	63.9
2	R14.2	67.	500.	65.2
3	R14.2A	67.	500.	60.2
4	R14.3	67.	500.	66.0
5	R14.4	67.	500.	65.2

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 6   R14.5    67.    500.   66.8
 7   R14.6    67.    500.   65.5
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.33.33.33.33.33.33.33.33.
33.33.33.33.33.33.16. 0.16.33.33.26.26.26.26. 9. 9. 6. 6. 3. 3. 3. 3. 3. 3.
 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
```

Roadway Segment 14 - Poinsettia to Palomar Airport Road - Design - North Bound
T NB Truck,1
4819,65,173,65,408,65
T NB Truck (cont),2
4819,65,173,65,408,65
T NB Car,3
3485,65,115,65,0,0
T NB Car (cont),4
3485,65,115,65,0,0
T NB HOV,5
3000,65,0,65,0,0
T NB HOV (cont),6
3000,65,0,0,0,0
T NB Poinsettia Off ramp,7
1900,45,48,45,52,45
T NB Poinsettia On ramp,8
950,45,24,45,26,45
T NB Palomar Airport Off Ramp,9
1900,45,48,45,52,45
T SB Truck,10
4819,65,173,65,408,65
T SB Truck (cont),11
4819,65,173,65,408,65
T SB Car,12
3485,65,115,65,0,0
T SB Car (cont),13
3485,65,115,65,0,0
T SB HOV,14
3000,65,0,0,0,0
T SB HOV (cont),15
3000,65,0,0,0,0
T SB Poinsettia On Ramp,16
950,45,24,45,26,45
T SB Poinsettia Off ramp,17
950,45,24,45,26,45
T SB Palomar Airport On Ramp,18
950,45,24,45,26,45
L9 NB Truck,1
N,51280,3940,28.3, L9.1,
N,51243,4011,28.2, L9.2,
N,51183,4122,27.3, L9.3,
N,51139,4203,26.8, L9.4,
N,51099,4278,26.2, L9.5,
N,51044,4380,25.5, L9.6,
N,50992,4479,24.8, L9.7,
N,50923,4606,23.7, L9.8,
N,50873,4702,23.2, L9.9,
N,50812,4815,22.3, L9.10,
N,50763,4907,21.8, L9.11
N,50717,4996,21.1, L9.12
N,50668,5093,20.3, L9.13
N,50613,5203,19.5, L9.14
N,50561,5309,18.8, L9.15
L71 NB Truck (cont),2
N,50561,5309,18.8, L71.1
N,50534,5365,18.5, L71.2

N,50491,5449,17.8, L71.3
N,50427,5584,16.8, L71.4
N,50380,5676,16.2, L71.5
N,50336,5765,15.7, L71.6
N,50287,5865,15.4, L71.7
N,50247,5944,15.7, L71.8
N,50212,6015,15.8, L71.9
N,50168,6103,16, L71.10
N,50125,6193,16.1, L71.11
N,50086,6273,16.3, L71.12
N,50025,6395,16.5, L71.13
N,49974,6501,16.7, L71.14
L19 NB Car,3
N,51272,3935,28.3, L19.1
N,51233,4006,28.2, L19.2
N,51175,4118,27.3, L19.3
N,51131,4199,26.8, L19.4
N,51092,4273,26.2, L19.5
N,51037,4377,25.5, L19.6
N,50984,4475,24.8, L19.7
N,50917,4603,23.7, L19.8
N,50865,4698,23.2, L19.9
N,50804,4810,22.3, L19.10
N,50756,4901,21.8, L19.11
N,50709,4992,21.1, L19.12
N,50659,5088,20.3, L19.13
N,50605,5198,19.5, L19.14
N,50554,5305,18.8, L19.15
L91 NB Car (cont),4
N,50554,5305,18.8, L91.1
N,50526,5361,18.5, L91.2
N,50483,5446,17.8, L91.3
N,50418,5581,16.8, L91.4
N,50374,5671,16.2, L91.5
N,50329,5761,15.7, L91.6
N,50279,5860,15.4, L91.7
N,50239,5941,15.7, L91.8
N,50205,6010,15.8, L91.9
N,50162,6099,16, L91.10
N,50117,6188,16.1, L91.11
N,50078,6270,16.3, L91.12
N,50018,6392,16.5, L91.13
N,49966,6496,16.7, L91.14
L59 NB HOV,5
N,51264,3930,28.6, L59.1
N,51226,4002,28.4, L59.2
N,51166,4114,27.5, L59.3
N,51122,4195,27, L59.4
N,51082,4269,26.5, L59.5
N,51028,4372,25.6, L59.6
N,50975,4471,25, L59.7
N,50906,4598,24, L59.8
N,50856,4693,23.4, L59.9
N,50796,4806,22.5, L59.10
N,50747,4897,21.8, L59.11
N,50699,4987,21.3, L59.12

N,50652,5083,20.5, L59.13
N,50597,5193,19.7, L59.14
N,50545,5300,19, L59.15
L61 NB HOV (cont),6
N,50545,5300,19.2, L61.1
N,50516,5357,18.5, L61.2
N,50476,5442,18, L61.3
N,50409,5576,17, L61.4
N,50365,5666,16.4, L61.5
N,50320,5756,15.9, L61.6
N,50271,5856,15.6, L61.7
N,50231,5937,15.9, L61.8
N,50197,6006,16, L61.9
N,50154,6095,16.2, L61.10
N,50110,6184,16.3, L61.11
N,50070,6266,16.5, L61.12
N,50010,6387,16.7, L61.13
N,49958,6493,16.9, L61.14
L29 NB Poinsettia Off ramp,7
N,51229.0,4044.0,27.7,L29.1
N,51184.8,4147.2,26.7,L29.2
N,51146.7,4239.4,26.8,L29.3
N,51110.6,4332.2,30.9,L29.4
N,51100.6,4371.2,32.8,L29.5
L31 NB Poinsettia On ramp,8
Y,51084,4430,33.5, L31.1
Y,51067,4456,32, L31.2
Y,51024,4499,28.3, L31.3
N,50985,4542,25.1, L31.4
N,50949,4589,23.6, L31.5
N,50914,4642,23.2, L31.6
N,50848,4760,22.7, L31.7
N,50798,4849,21.85, L31.8
L33 NB Palomar Airport Off Ramp,9
N,50163.7236,6128.4242,15.8, L33.1
N,50138.3109,6193.6638,15.8, L33.2
N,50102.0486,6286.7565,16.2, L33.3
N,50081.9775,6342.5798,18.2, L33.4
N,50073.6084,6380.9602,20.3, L33.5
N,50065.0383,6471.2617,24.1, L33.6
L10 SB Truck,10
N,51234,3912,28.3, L10.1
N,51194,3984,28.2, L10.2
N,51134,4096,27.3, L10.3
N,51092,4175,26.8, L10.4
N,51052,4250,26.2, L10.5
N,50997,4355,25.5, L10.6
N,50946,4451,24.8, L10.7
N,50878,4579,23.7, L10.8
N,50827,4676,23.2, L10.9
N,50768,4784,22.3, L10.10
N,50718,4881,21.8, L10.11
N,50668,4972,21.5, L10.12
N,50619,5068,20.5, L10.13
N,50565,5178,19.5, L10.14
N,50513,5286,18.8, L10.15

L70 SB Truck (cont),11
N,50513,5286,18.8, L70.1
N,50485,5340,18.3, L70.2
N,50445,5420,17.2, L70.3
N,50381,5553,16.8, L70.4
N,50332,5650,16.2, L70.5
N,50289,5741,15.7, L70.6
N,50239,5841,15.4, L70.7
N,50200,5921,15.7, L70.8
N,50163,5996,15.8, L70.9
N,50121,6080,16, L70.10
N,50078,6169,16.1, L70.11
N,50038,6249,16.3, L70.12
N,49980,6372,16.5, L70.13
N,49928,6479,16.7, L70.14
L20 SB Car,12
N,51242,3917,28.3, L20.1
N,51202,3989,28.2, L20.2
N,51142,4101,27.3, L20.3
N,51100,4179,26.8, L20.4
N,51059,4254,26.2, L20.5
N,51004,4359,25.5, L20.6
N,50953,4455,24.8, L20.7
N,50884,4583,23.7, L20.8
N,50833,4679,23.2, L20.9
N,50775,4788,22.3, L20.10
N,50725,4885,21.8, L20.11
N,50676,4976,21.5, L20.12
N,50627,5072,20.5, L20.13
N,50573,5182,19.5, L20.14
N,50520,5290,18.8, L20.15
L90 SB Car (cont),13
N,50520,5290,18.8, L90.1
N,50493,5344,18.3, L90.2
N,50454,5424,17.2, L90.3
N,50388,5557,16.8, L90.4
N,50341,5655,16.2, L90.5
N,50297,5746,15.7, L90.6
N,50247,5846,15.4, L90.7
N,50208,5925,15.7, L90.8
N,50170,6000,15.8, L90.9
N,50130,6084,16, L90.10
N,50086,6174,16.1, L90.11
N,50046,6254,16.3, L90.12
N,49988,6375,16.5, L90.13
N,49936,6482,16.7, L90.14
L60 SB HOV,14
N,51250,3921,28.6, L60.1
N,51211,3993,28.4, L60.2
N,51151,4106,27.5, L60.3
N,51109,4185,27, L60.4
N,51068,4261,26.5, L60.5
N,51013,4365,25.6, L60.6
N,50960,4462,25, L60.7
N,50893,4589,24, L60.8
N,50841,4685,23.4, L60.9

N,50784,4793,22.5, L60.10
N,50732,4890,21.8, L60.11
N,50684,4980,21.3, L60.12
N,50634,5077,20.5, L60.13
N,50582,5186,19.7, L60.14
N,50530,5294,19, L60.15
L62 SB HOV (cont),15
N,50530,5294,19.2, L62.1
N,50503,5349,18.5, L62.2
N,50463,5428,18, L62.3
N,50398,5563,17, L62.4
N,50349,5659,16.4, L62.5
N,50305,5749,15.9, L62.6
N,50256,5850,15.6, L62.7
N,50217,5929,15.9, L62.8
N,50180,6004,16, L62.9
N,50141,6088,16.2, L62.10,
N,50095,6178,16.3, L62.11,
N,50055,6260,16.5, L62.12,
N,49997,6379,16.7, L62.13,
N,49944,6486,16.9, L62.14,
L30 SB Poinsettia On Ramp,16
N,50909.3,4324.9,29.3,L30.1
N,50935.5,4291.9,28.7,L30.2
N,50984.7,4257.1,27.4,L30.3
N,51057.9,4190.9,26.1,L30.4
N,51117.5,4111.6,26.8,L30.5
N,51166.6,4024.5,27.45,L30.6
N,51190.2,3981.5,27.8,L30.7,
L32 SB Poinsettia Off ramp,17
Y,50792,4733,22.4, L32.1
Y,50832,4640,22.85, L32.2
N,50859,4577,23.5, L32.3
N,50880,4481,26.5, L32.4
N,50884,4429,28.2, L32.5
N,50880,4481,29.5, L32.6
L34 SB Palomar Airport On Ramp,18
N,49824.1635,6463.4071,21.5, L34.1
N,49860.9401,6446.6462,21.8, L34.2
N,49894.5008,6423.7818,20.8, L34.3
N,49936.7359,6382.2869,18.8, L34.4
N,49969.8545,6333.4677,17, L34.5
N,50000.2682,6281.1104,15.9, L34.6
N,50030.7728,6229.8062,15.6, L34.7
N,50061.2775,6178.5019,15.6, L34.8
N,50098.2733,6107.4122,15.5, L34.9
N,50143.6558,6020.2069,15.8, L34.10
B10 NB Soundwall ROW - Poinsettia to Spindrift, 1, 2, 0, 0
51101, 4435, 34.8, 38.458, B10.3
51080, 4469, 34.5, 38.158, B10.4
51042, 4510, 32.0, 35.658, B10.5
50984, 4569, 28.0, 31.658, B10.6
50927, 4652, 27.9, 31.558, B10.7
50895, 4704, 27.8, 31.458, B10.8
50881, 4721, 25.8, 29.458, B10.9
50881, 4721, 25.8, 30.68, B10.9

50839, 4797, 25.3, 30.18, B10.10
50839, 4797, 25.3, 29.568, B10.10
50809, 4853, 25.0, 29.268, B11.2
B11 NB Soundwall ROW - Spindrift to Rosa, 2, 2, 0, 0
50809, 4853, 25, 29.268, B11.2
50763, 4940, 24, 28.268, B11.3
50728, 5010, 24, 28.268, B11.4
50701, 5059, 23.5, 27.768, B11.5
50680, 5106, 23.2, 27.468, B11.6
50664, 5140, 23, 27.268, B11.7
50649, 5163, 20.5, 24.768, B11.8
50634, 5196, 21, 25.268, B11.9
50596, 5274, 21, 25.268, B11.10
B12 NB Soundwall - North from Rosa, 3, 2, 0, 0
50596, 5274, 21, 25.268, B12.1
50561, 5353, 21.5, 25.768, B12.2
50535, 5413, 21.5, 25.768, B12.3
50535, 5413, 21.5, 25.768, B12.3
50511, 5467, 22, 26.268, B12.4
50485, 5518, 21.7, 25.968, B12.5
50465, 5565, 22, 26.268, B12.6
50427, 5646, 22.8, 27.068, B12.7
50401, 5703, 23, 27.268, B12.8
50399, 5706, 23.2, 27.468, B12.8A
B12 NB Terrain Line - North from Rosa, 4, 2, 0, 0
50399, 5706, 23.2, 23.2, B12.8A
50399, 5723, 24, 24, B12.9
50383, 5781, 23.8, 23.8, B12.10
B15 NB Soundwall - South From Palomar Airport, 5, 2, 0, 0
50284, 5925, 16, 16, B15.1
50241, 5994, 16.7, 16.7, B15.2
50209, 6056, 17.5, 17.5, B15.3
50191, 6087, 18, 18, B15.4
50166, 6138, 18.5, 18.5, B15.5
50155, 6183, 20, 20, B15.6
50143, 6229, 23.3, 23.3, B15.7
B15 NB Terrain Line, 6, 2, 0, 0
50143, 6229, 23.3, 23.3, B15.7
50119, 6286, 23.5, 23.5, B15.8
50103, 6327, 22.8, 22.8, B15.9
50089, 6382, 23.7, 23.7, B15.10
50085, 6444, 23.7, 23.7, B16.2
B10 NB Property Wall - Poinsettia, 7, 2, 0, 0
51148, 4442, 38.8, 40.628, B10.1
51122, 4438, 38.1, 39.928, B10.2
51101, 4435, 34.8, 36.628, B10.3
B20 NB Terrain Line - Poinsettia Bridge, 8, 2, 0, 0
51085, 4392, 33.4, 33.4, B20.1
51052, 4383, 33.1, 33.1, B20.2
51037, 4411, 33.1, 33.1, B20.3
51076, 4422, 33.3, 33.3, B20.4
51095, 4428, 33.5, 33.5, B20.5
B13 NB Building - Comm, 9, 2, 0, 0
50430, 5726, 24, 32, B13.1
50403, 5716, 24, 32, B13.2
50389, 5779, 24, 32, B13.3

B14 NB Building - Comm, 10, 2, 0, 0
50383, 5781, 23.8, 23.8, B14.1
50372, 5794, 15.3, 15.3, B14.2
50372, 5794, 15.3, 23.3, B14.2
50334, 5866, 15.1, 23.1, B14.3
50398, 5925, 14.1, 22.1, B14.4
B17 NB Building - Comm, 11, 2, 0, 0
50216, 6073, 17.8, 25.8, B17.1
50190, 6143, 19.5, 27.5, B17.2
50178, 6181, 20, 28, B17.3
B18 NB Building - Comm, 12, 2, 0, 0
50150, 6242, 23.3, 31.3, B18.1
50129, 6291, 23.7, 31.7, B18.2
50156, 6303, 23.8, 31.8, B18.3
B62 Center Divider, 13, 2, 0, 0
51257, 3926, 28.6, 29.6, B62.3
51218, 3998, 28.4, 29.4, B62.4
51157, 4110, 27.5, 28.5, B62.5
51115, 4191, 27, 28, B62.6
51075, 4266, 26.5, 27.5, B62.7
51019, 4369, 25.6, 26.6, B62.8
50968, 4466, 25, 26, B62.9
50900, 4593, 24, 25, B62.10
50850, 4689, 23.4, 24.4, B63.2
50790, 4800, 22.5, 23.5, B63.3
50740, 4894, 21.8, 22.8, B63.4
B63 Center Divider, 14, 2, 0, 0
50740, 4894, 21.8, 22.8, B63.4
50692, 4984, 21.3, 22.3, B63.5
50642, 5080, 20.5, 21.5, B63.6
50589, 5189, 19.7, 20.7, B63.7
50537, 5298, 19, 20, B63.8
50509, 5353, 18.5, 19.5, B63.9
50470, 5435, 18, 19, B63.10
50403, 5570, 17, 18, B64.2
50358, 5663, 16.4, 17.4, B64.3
50312, 5753, 15.9, 16.9, B64.4
B64 Center Divider, 15, 2, 0, 0
50312, 5753, 15.9, 16.9, B64.4
50263, 5854, 15.6, 16.6, B64.5
50224, 5934, 15.9, 16.9, B64.6
50188, 6007, 16, 17, B64.7
50146, 6092, 16.2, 17.2, B64.8
50102, 6182, 16.3, 17.3, B64.9
50063, 6263, 16.5, 17.5, B64.10
50004, 6384, 16.7, 17.7, B65.2
49952, 6489, 16.9, 17.9, B65.3
R, 1, 67, 4
51124, 4447, 40.4, R14.7
R, 2, 67, 4
51089, 4465, 36.1, R14.8
R, 3, 67, 4
51046, 4543, 36.7, R14.9
R, 4, 67, 4
51008, 4567, 30.7, R14.10
R, 5, 67, 4

50965, 4602, 29.7, R14.11
R, 6, 67, 4
50899, 4704, 29.3, R14.12
R, 7, 67, 4
50909, 4741, 28, R14.13
R, 8, 67, 4
50870, 4765, 27.1, R14.14
R, 9, 67, 4
50811, 4874, 26, R14.15
R, 10, 67, 4
50793, 4935, 26, R14.16
R, 11, 67, 4
50751, 4976, 26.1, R14.17
R, 12, 67, 4
50741, 5036, 25.8, R14.18
R, 13, 67, 4
50697, 5092, 25.2, R14.19
R, 14, 67, 4
50685, 5168, 23.6, R14.20
R, 15, 67, 4
50648, 5194, 23.7, R14.21
R, 16, 67, 4
50611, 5326, 24.1, R14.22
R, 17, 67, 4
50574, 5354, 23.7, R14.23
R, 18, 67, 4
50568, 5440, 24.3, R14.24
R, 19, 67, 4
50503, 5496, 23.7, R14.25
R, 20, 67, 4
50475, 5559, 24.5, R14.26
R, 21, 67, 4
50471, 5611, 24.5, R14.27
R, 22, 67, 4
50428, 5671, 24.7, R14.28
R, 23, 67, 4
50309, 6110, 19.9, R14.29
R, 24, 67, 4
50205, 6154, 21.6, R14.30
D, 4.5
All, All
K, 0
All, All

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGMENT 14 - POINSETTIA TO PALOMAR AIRPORT ROAD - Design - NORTH BOUND

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	12.*							B10.3	131.2	
2	-	12.*							B10.4	183.6	
3	-	12.*							B10.5	271.8	
4	-	12.*							B10.6	330.3	
5	-	12.*							B10.7	200.3	
6	-	12.*							B10.8	72.5	
7	-	14.*							B10.9	4.1	
8	-	16.*							B10.9	284.9	
9	-	15.*							B10.10	2.0	
10	-	14.*							B10.10	208.4	
11	-	14.*							B11.2	322.9	
12	-	14.*							B11.3	256.8	
13	-	14.*							B11.4	183.6	
14	-	14.*							B11.5	168.9	
15	-	14.*							B11.6	123.2	
16	-	14.*							B11.7	90.5	
17	-	14.*							B11.8	118.9	
18	-	14.*							B11.9	284.6	
19	-	14.*							B12.1	283.5	
20	-	14.*							B12.2	214.6	
21	-	14.*							B12.3	.0	
22	-	14.*							B12.3	193.9	
23	-	14.*							B12.4	187.8	
24	-	14.*							B12.5	167.6	
25	-	14.*							B12.6	293.5	
26	-	14.*							B12.7	205.5	
27	-	14.*							B12.8	11.9	
28	-	0.*							B12.8A	55.8	
29	-	0.*							B12.9	197.4	
30	-	0.*							B15.1	266.8	
31	-	0.*							B15.2	228.9	
32	-	0.*							B15.3	117.6	
33	-	0.*							B15.4	186.3	
34	-	0.*							B15.5	152.0	
35	-	0.*							B15.6	156.4	
36	-	0.*							B15.7	202.9	
37	-	0.*							B15.8	144.4	

38	-	0.*	B15.9	186.2
39	-	0.*	B15.10	203.8
40	-	6.*	B10.1	86.3
41	-	6.*	B10.2	70.4
42	-	0.*	B20.1	112.3
43	-	0.*	B20.2	104.2
44	-	0.*	B20.3	133.0
45	-	0.*	B20.4	65.3
46	-	26.*	B13.1	94.5
47	-	26.*	B13.2	211.8
48	-	0.*	B14.1	62.5
49	-	13.*	B14.2	26.2
50	-	26.*	B14.2	267.1
51	-	26.*	B14.3	285.6
52	-	26.*	B17.1	245.1
53	-	26.*	B17.2	130.8
54	-	26.*	B18.1	174.9
55	-	26.*	B18.2	96.9
56	-	3.*	B62.3	268.6
57	-	3.*	B62.4	418.5
58	-	3.*	B62.5	299.3
59	-	3.*	B62.6	278.9
60	-	3.*	B62.7	384.6
61	-	3.*	B62.8	359.6
62	-	3.*	B62.9	472.6
63	-	3.*	B62.10	355.2
64	-	3.*	B63.2	413.9
65	-	3.*	B63.3	349.3
66	-	3.*	B63.4	334.7
67	-	3.*	B63.5	355.1
68	-	3.*	B63.6	397.7
69	-	3.*	B63.7	396.2
70	-	3.*	B63.8	202.5
71	-	3.*	B63.9	298.0
72	-	3.*	B63.10	494.5
73	-	3.*	B64.2	339.0
74	-	3.*	B64.3	331.6
75	-	3.*	B64.4	368.2
76	-	3.*	B64.5	292.0
77	-	3.*	B64.6	267.0
78	-	3.*	B64.7	311.1
79	-	3.*	B64.8	328.7
80	-	3.*	B64.9	294.9
81	-	3.*	B64.10	441.7
82	-	3.*	B65.2	384.4

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0 1 2 3 4 5 6 7

1

REC	REC ID	DNL	PEOPLE	LEQ(CAL)
1	R14.7	67.	500.	70.7
2	R14.8	67.	500.	65.5
3	R14.9	67.	500.	72.0
4	R14.10	67.	500.	68.3
5	R14.11	67.	500.	67.6
6	R14.12	67.	500.	68.8
7	R14.13	67.	500.	67.1
8	R14.14	67.	500.	67.5
9	R14.15	67.	500.	67.9
10	R14.16	67.	500.	68.1
11	R14.17	67.	500.	69.2
12	R14.18	67.	500.	68.4
13	R14.19	67.	500.	69.0
14	R14.20	67.	500.	68.2
15	R14.21	67.	500.	71.1
16	R14.22	67.	500.	68.7
17	R14.23	67.	500.	69.4
18	R14.24	67.	500.	67.3
19	R14.25	67.	500.	67.6
20	R14.26	67.	500.	68.9
21	R14.27	67.	500.	67.1
22	R14.28	67.	500.	67.6
23	R14.29	67.	500.	68.1
24	R14.30	67.	500.	65.6

BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1

CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION

12.12.12.12.12.12.14.16.15.14.14.14.14.14.14.14.14.14.14.14.14.14.14.14.
14.14. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 6. 6. 0. 0. 0. 0.26.26. 0.13.26.
26.26.26.26.26. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
3. 3. 3. 3. 3. 3. 3.

15 Cannon No Build,0,Ft,
T-L3 - SB HOV Lanes,1
3513,65,87,65,0,65
T-L7 - SB Cannon On-Ramp,2
447,45,11,45,12,45
T-L2 - SB General Lanes - Inner,3
3269,65,87,65,244,65
T-L1 - SB General Lanes - Outer,4
0,65,0,65,0,65
T-L6 - NB General Lanes - Outer,5
0,65,0,65,0,65
T-L5 - NB General Lanes - Inner,6
3269,65,87,65,244,65
T-L4 - NB HOV Lanes,7
3513,65,87,65,0,65
T-L8 - SB Cannon Off-Ramp,8
1235,45,31,45,34,45
L3 - SB General Lanes - Outer,1
N,1899526,607342,18.2,L3.1,
N,1899482,607430,18.4,L3.2,
N,1899437,607521,18.6,L3.3,
N,1899394,607609,19.4,L3.4,
N,1899349,607700,21,L3.5,
N,1899309,607791,21.8,L3.6,
N,1899271,607884,21.8,L3.7,
N,1899232,607977,21.1,L3.8,
N,1899193,608070,19.5,L3.9,
N,1899155,608161,18.2,L3.10,
N,1899117,608253,18.6,L3.11,
N,1899078,608347,18.8,L3.12,
N,1899041,608438,19.1,L3.13,
L7 - SB Cannon On-Ramp,2
N,1899420,607512,18.4,L7.1,
N,1899383,607584,19.2,L7.2,
N,1899350,607631,19.6,L7.3,
N,1899311,607682,19.7,L7.4,
N,1899265,607737,17.2,L7.5,
N,1899226,607784,15.5,L7.6,
N,1899209,607803,13.9,L7.7,
N,1899195,607809,13.8,L7.8,
N,1899180,607804,13.7,L7.9,
L2 - SB General Lanes - Inner,3
N,1899520,607339,18.2,L2.1,
N,1899476,607429,18.4,L2.2,
N,1899432,607518,18.6,L2.3,
N,1899388,607606,19.4,L2.4,
N,1899342,607698,21,L2.5,
N,1899301,607788,21.8,L2.6,
N,1899263,607882,21.8,L2.7
N,1899226,607974,21.1,L2.8
N,1899186,608066,19.5,L2.9
N,1899148,608158,18.2,L2.10
N,1899110,608250,18.6,L2.11
N,1899072,608344,18.8,L2.12
N,1899037,608435,19.1,L2.13
L1 - SB HOV Lanes,4,

N,1899515,607335,18,L1.1
N,1899471,607426,18.2,L1.2
N,1899426,607514,18.4,L1.3
N,1899382,607604,19.2,L1.4
N,1899337,607695,20.8,L1.5
N,1899296,607785,21.6,L1.6
N,1899258,607879,21.6,L1.7
N,1899221,607972,20.9,L1.8
N,1899182,608065,19.3,L1.9
N,1899144,608156,18,L1.10
N,1899125,608202,18.3,L1.11
N,1899105,608248,18.4,L1.12
N,1899066,608341,18.6,L1.13
N,1899029,608434,18.9,L1.14
L6 - NB HOV Lanes,5,
N,1899551,607353,18,L6.1
N,1899505,607442,18.2,L6.2
N,1899461,607533,18.4,L6.3
N,1899417,607622,19.2,L6.4
N,1899375,607712,20.8,L6.5
N,1899335,607803,21.6,L6.6
N,1899296,607895,21.6,L6.7
N,1899258,607989,20.9,L6.8
N,1899219,608080,19.3,L6.9
N,1899181,608172,18,L6.10
N,1899141,608263,18.4,L6.11
N,1899103,608357,18.6,L6.12
N,1899065,608449,18.9,L6.13
L5 - NB General Lanes - Inner,6,
N,1899545,607350,18.2,L5.1
N,1899500,607440,18.4,L5.2
N,1899455,607530,18.6,L5.3
N,1899412,607619,19.4,L5.4
N,1899369,607710,21,L5.5
N,1899330,607800,21.8,L5.6
N,1899291,607893,21.8,L5.7
N,1899253,607986,21.1,L5.8
N,1899214,608078,19.5,L5.9
N,1899175,608170,18.2,L5.10
N,1899138,608262,18.6,L5.11
N,1899098,608355,18.8,L5.12
N,1899059,608447,19.1,L5.13
L4 - NB General Lanes - Outer,7,
N,1899537,607346,18.2,L4.1
N,1899493,607437,18.4,L4.2
N,1899448,607526,18.6,L4.3
N,1899404,607615,19.4,L4.4
N,1899363,607706,21,L4.5
N,1899323,607797,21.8,L4.6
N,1899284,607891,21.8,L4.7
N,1899246,607983,21.1,L4.8
N,1899208,608076,19.5,L4.9
N,1899170,608167,18.2,L4.10
N,1899131,608259,18.6,L4.11
N,1899091,608353,18.8,L4.12
N,1899053,608444,19.1,L4.13

L8 - SB Cannon Off-Ramp,8,
N,1899169,607826,13.8,L8.1
N,1899194,607838,14,L8.2
N,1899199,607849,14.1,L8.3
N,1899195,607921,16.3,L8.4
N,1899191,607975,18.2,L8.5
N,1899186,608015,18.6,L8.6
N,1899171,608060,18.3,L8.7
N,1899140,608154,18,L8.8
N,1899125,608202,18.3,L8.9
B1 - NB Shoulder ST 660 to 665,1,2,0,0
1899531,607344,18.2,19.2,B1.1
1899487,607434,18.4,19.4,B1.2
1899444,607524,18.6,19.6,B1.3
1899398,607614,19.4,20.4,B1.4
1899357,607704,21,22,B1.5
1899316,607795,21.8,22.8,B1.6
1899277,607888,21.8,22.8,B1.7
1899239,607981,21.1,22.1,B1.8
1899200,608072,19.5,20.5,B1.9
1899162,608165,18.2,19.2,B1.10
B1 - NB Shoulder ST 660 to 665,2,2,0,0
1899162,608165,18.2,19.2,B1.10
1899123,608257,18.6,19.6,B1.11
1899085,608350,18.8,19.8,B1.12
1899048,608442,19.1,20.1,B1.13
B2 - Bridge,3,2,0,0
1899274,607833,22,22.9,B2.1
1899255,607877,21.5,22.4,B2.2
1899255,607877,21.5,21.5,B2.2
1899251,607890,21.5,21.5,B3.1
1899224,607953,20.8,20.8,B3.2
1899197,608017,19.9,19.9,B3.3
B4 - Building NB Side ST 666,4,2,0,0
1899168,607961,14,14,B4.1
1899164,608004,14.3,14.3,B4.2
1899153,608042,14.6,14.6,B4.3
1899142,608065,19,19,B6.1
B5 - Building NB Side ST 667,5,2,0,0
1899118,607914,14,15.9,B5.1
1899165,607924,14,15.9,B5.2
1899155,607956,14,15.9,B5.3
1899102,607944,14,15.9,B5.4
B6 - Building/Nat Bar NB Side ST 669,6,1,0,0
1899142,608065,19,19,B6.1
1899113,608133,19,19,B6.2
1899084,608206,19,19,B6.3
R,1,67,4,
1899150,607937,15.5,R15.1
R,2,67,4
1899110,607928,15.5,R15.2
D,4.5
ALL,All
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
15 CANNON NO BUILD,0,FT,

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	-	3.*							B1.1	328.7	
2	-	3.*							B1.2	327.2	
3	-	3.*							B1.3	331.7	
4	-	3.*							B1.4	324.4	
5	-	3.*							B1.5	327.5	
6	-	3.*							B1.6	330.8	
7	-	3.*							B1.7	329.6	
8	-	3.*							B1.8	324.9	
9	-	3.*							B1.9	329.6	
10	-	3.*							B1.10	327.8	
11	-	3.*							B1.11	329.7	
12	-	3.*							B1.12	325.3	
13	-	3.*							B2.1	157.2	
14	-	2.*							B2.2	3.0	
15	-	0.*							B2.2	44.7	
16	-	0.*							B3.1	224.9	
17	-	0.*							B3.2	227.9	
18	-	0.*							B4.1	141.7	
19	-	0.*							B4.2	129.8	
20	-	0.*							B4.3	84.8	
21	-	6.*							B5.1	157.6	
22	-	6.*							B5.2	110.0	
23	-	6.*							B5.3	178.3	
24	-	0.*							B6.1	242.5	
25	-	0.*							B6.2	257.7	

0 1 2 3 4 5 6 7

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REC	REC ID	DNL	PEOPLE	LEQ(CAL)
1	R15.1	67.	500.	70.6
2	R15.2	67.	500.	68.3

BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 2. 0. 0. 0. 0. 0. 0. 6. 6. 6. 0. 0.

15 Cannon No Build,BLD,Ft,
T-L3 - SB HOV Lanes,1
3000,65,0,65,0,65
T-L7 - SB Cannon On-Ramp,2
950,45,24,45,26,45
T-L2 - SB General Lanes - Inner,3
5217,65,183,65,0,65
T-L1 - SB General Lanes - Outer,4
3052,65,122,65,426,65
T-L6 - NB General Lanes - Outer,5
3052,65,122,65,426,65
T-L5 - NB General Lanes - Inner,6
5217,65,183,65,0,65
T-L4 - NB HOV Lanes,7
3000,65,0,65,0,65
T-L8 - SB Cannon Off-Ramp,8
1900,45,48,45,52,45
L3 - SB General Lanes - Outer,1
N,1899526,607342,18.2,L3.1,
N,1899482,607430,18.4,L3.2,
N,1899437,607521,18.6,L3.3,
N,1899394,607609,19.4,L3.4,
N,1899349,607700,21,L3.5,
N,1899309,607791,21.8,L3.6,
N,1899271,607884,21.8,L3.7,
N,1899232,607977,21.1,L3.8,
N,1899193,608070,19.5,L3.9,
N,1899155,608161,18.2,L3.10,
N,1899117,608253,18.6,L3.11,
N,1899078,608347,18.8,L3.12,
N,1899041,608438,19.1,L3.13,
L7 - SB Cannon On-Ramp,2
N,1899420,607512,18.4,L7.1,
N,1899383,607584,19.2,L7.2,
N,1899350,607631,19.6,L7.3,
N,1899311,607682,19.7,L7.4,
N,1899265,607737,17.2,L7.5,
N,1899226,607784,15.5,L7.6,
N,1899209,607803,13.9,L7.7,
N,1899195,607809,13.8,L7.8,
N,1899180,607804,13.7,L7.9,
L2 - SB General Lanes - Inner,3
N,1899520,607339,18.2,L2.1,
N,1899476,607429,18.4,L2.2,
N,1899432,607518,18.6,L2.3,
N,1899388,607606,19.4,L2.4,
N,1899342,607698,21,L2.5,
N,1899301,607788,21.8,L2.6,
N,1899263,607882,21.8,L2.7
N,1899226,607974,21.1,L2.8
N,1899186,608066,19.5,L2.9
N,1899148,608158,18.2,L2.10
N,1899110,608250,18.6,L2.11
N,1899072,608344,18.8,L2.12
N,1899037,608435,19.1,L2.13
L1 - SB HOV Lanes,4,

N,1899515,607335,18,L1.1
N,1899471,607426,18.2,L1.2
N,1899426,607514,18.4,L1.3
N,1899382,607604,19.2,L1.4
N,1899337,607695,20.8,L1.5
N,1899296,607785,21.6,L1.6
N,1899258,607879,21.6,L1.7
N,1899221,607972,20.9,L1.8
N,1899182,608065,19.3,L1.9
N,1899144,608156,18,L1.10
N,1899125,608202,18.3,L1.11
N,1899105,608248,18.4,L1.12
N,1899066,608341,18.6,L1.13
N,1899029,608434,18.9,L1.14
L6 - NB HOV Lanes,5,
N,1899551,607353,18,L6.1
N,1899505,607442,18.2,L6.2
N,1899461,607533,18.4,L6.3
N,1899417,607622,19.2,L6.4
N,1899375,607712,20.8,L6.5
N,1899335,607803,21.6,L6.6
N,1899296,607895,21.6,L6.7
N,1899258,607989,20.9,L6.8
N,1899219,608080,19.3,L6.9
N,1899181,608172,18,L6.10
N,1899141,608263,18.4,L6.11
N,1899103,608357,18.6,L6.12
N,1899065,608449,18.9,L6.13
L5 - NB General Lanes - Inner,6,
N,1899545,607350,18.2,L5.1
N,1899500,607440,18.4,L5.2
N,1899455,607530,18.6,L5.3
N,1899412,607619,19.4,L5.4
N,1899369,607710,21,L5.5
N,1899330,607800,21.8,L5.6
N,1899291,607893,21.8,L5.7
N,1899253,607986,21.1,L5.8
N,1899214,608078,19.5,L5.9
N,1899175,608170,18.2,L5.10
N,1899138,608262,18.6,L5.11
N,1899098,608355,18.8,L5.12
N,1899059,608447,19.1,L5.13
L4 - NB General Lanes - Outer,7,
N,1899537,607346,18.2,L4.1
N,1899493,607437,18.4,L4.2
N,1899448,607526,18.6,L4.3
N,1899404,607615,19.4,L4.4
N,1899363,607706,21,L4.5
N,1899323,607797,21.8,L4.6
N,1899284,607891,21.8,L4.7
N,1899246,607983,21.1,L4.8
N,1899208,608076,19.5,L4.9
N,1899170,608167,18.2,L4.10
N,1899131,608259,18.6,L4.11
N,1899091,608353,18.8,L4.12
N,1899053,608444,19.1,L4.13

L8 - SB Cannon Off-Ramp,8,
N,1899201,607841,14.8,L8.1
N,1899199,607881,15.2,L8.2
N,1899193,607940,17,L8.3
N,1899177,607997,18,L8.4
N,1899164,608035,18.3,L8.5
N,1899145,608091,18,L8.6
N,1899127,608149,17.8,L8.7
N,1899105,608248,18.4,L8.8
B1 - NB Shoulder ST 660 to 665,1,2,0,0
1899531,607344,18.2,19.2,B1.1
1899487,607434,18.4,19.4,B1.2
1899444,607524,18.6,19.6,B1.3
1899398,607614,19.4,20.4,B1.4
1899357,607704,21,22,B1.5
1899316,607795,21.8,22.8,B1.6
1899277,607888,21.8,22.8,B1.7
1899239,607981,21.1,22.1,B1.8
1899200,608072,19.5,20.5,B1.9
1899162,608165,18.2,19.2,B1.10
B1 - NB Shoulder ST 660 to 665,2,2,0,0
1899162,608165,18.2,19.2,B1.10
1899123,608257,18.6,19.6,B1.11
1899085,608350,18.8,19.8,B1.12
1899048,608442,19.1,20.1,B1.13
B2 - Bridge,3,2,0,0
1899274,607833,22,22.9,B2.1
1899255,607877,21.5,22.4,B2.2
1899255,607877,21.5,21.5,B2.2
1899251,607890,21.5,21.5,B3.1
1899224,607953,20.8,20.8,B3.2
1899197,608017,19.9,19.9,B3.3
B4 - Building NB Side ST 666,4,2,0,0
1899168,607961,14,14,B4.1
1899164,608004,14.3,14.3,B4.2
1899153,608042,14.6,14.6,B4.3
1899142,608065,19,19,B6.1
B5 - Building NB Side ST 667,5,2,0,0
1899118,607914,14,15.9,B5.1
1899165,607924,14,15.9,B5.2
1899155,607956,14,15.9,B5.3
1899102,607944,14,15.9,B5.4
B6 - Building/Nat Bar NB Side ST 669,6,1,0,0
1899142,608065,19,19,B6.1
1899113,608133,19,19,B6.2
1899084,608206,19,19,B6.3
R,1,67,4
1899150,607937,15.5,R15.1
R,2,67,4
1899110,607928,15.5,R15.2
D,4.5
ALL,All
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
15 CANNON NO BUILD,BLD,FT,

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	-	3.*							B1.1	328.7	
2	-	3.*							B1.2	327.2	
3	-	3.*							B1.3	331.7	
4	-	3.*							B1.4	324.4	
5	-	3.*							B1.5	327.5	
6	-	3.*							B1.6	330.8	
7	-	3.*							B1.7	329.6	
8	-	3.*							B1.8	324.9	
9	-	3.*							B1.9	329.6	
10	-	3.*							B1.10	327.8	
11	-	3.*							B1.11	329.7	
12	-	3.*							B1.12	325.3	
13	-	3.*							B2.1	157.2	
14	-	2.*							B2.2	3.0	
15	-	0.*							B2.2	44.7	
16	-	0.*							B3.1	224.9	
17	-	0.*							B3.2	227.9	
18	-	0.*							B4.1	141.7	
19	-	0.*							B4.2	129.8	
20	-	0.*							B4.3	84.8	
21	-	6.*							B5.1	157.6	
22	-	6.*							B5.2	110.0	
23	-	6.*							B5.3	178.3	
24	-	0.*							B6.1	242.5	
25	-	0.*							B6.2	257.7	

0 1 2 3 4 5 6 7

1

REC	REC ID	DNL	PEOPLE	LEQ(CAL)
1	R15.1	67.	500.	73.0
2	R15.2	67.	500.	70.7

BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 2. 0. 0. 0. 0. 0. 0. 6. 6. 6. 0. 0.

15 Cannon No Build,DGN,Ft,
T-L3 - SB HOV Lanes,1
3000,65,0,65,0,65
T-L7 - SB Cannon On-Ramp,2
950,45,24,45,26,45
T-L2 - SB General Lanes - Inner,3
5217,65,183,65,0,65
T-L1 - SB General Lanes - Outer,4
3052,65,122,65,426,65
T-L6 - NB General Lanes - Outer,5
3052,65,122,65,426,65
T-L5 - NB General Lanes - Inner,6
5217,65,183,65,0,65
T-L4 - NB HOV Lanes,7
3000,65,0,65,0,65
T-L8 - SB Cannon Off-Ramp,8
1900,45,48,45,52,45
L3 - SB General Lanes - Outer,1
N,1899526,607342,18.2,L3.1,
N,1899482,607430,18.4,L3.2,
N,1899437,607521,18.6,L3.3,
N,1899394,607609,19.4,L3.4,
N,1899349,607700,21,L3.5,
N,1899309,607791,21.8,L3.6,
N,1899271,607884,21.8,L3.7,
N,1899232,607977,21.1,L3.8,
N,1899193,608070,19.5,L3.9,
N,1899155,608161,18.2,L3.10,
N,1899117,608253,18.6,L3.11,
N,1899078,608347,18.8,L3.12,
N,1899041,608438,19.1,L3.13,
L7 - SB Cannon On-Ramp,2
N,1899420,607512,18.4,L7.1
N,1899383,607584,19.2,L7.2
N,1899350,607631,19.6,L7.3
N,1899311,607682,19.7,L7.4
N,1899265,607737,17.2,L7.5
N,1899226,607784,15.5,L7.6
N,1899209,607803,13.9,L7.7
N,1899195,607809,13.8,L7.8
N,1899180,607804,13.7,L7.9
L2 - SB General Lanes - Inner,3,
N,1899520,607339,18.2,L2.1
N,1899476,607429,18.4,L2.2
N,1899432,607518,18.6,L2.3
N,1899388,607606,19.4,L2.4
N,1899342,607698,21,L2.5
N,1899301,607788,21.8,L2.6
N,1899263,607882,21.8,L2.7
N,1899226,607974,21.1,L2.8
N,1899186,608066,19.5,L2.9
N,1899148,608158,18.2,L2.10
N,1899110,608250,18.6,L2.11
N,1899072,608344,18.8,L2.12
N,1899037,608435,19.1,L2.13
L1 - SB HOV Lanes,4,

N,1899515,607335,18,L1.1
N,1899471,607426,18.2,L1.2
N,1899426,607514,18.4,L1.3
N,1899382,607604,19.2,L1.4
N,1899337,607695,20.8,L1.5
N,1899296,607785,21.6,L1.6
N,1899258,607879,21.6,L1.7
N,1899221,607972,20.9,L1.8
N,1899182,608065,19.3,L1.9
N,1899144,608156,18,L1.10
N,1899125,608202,18.3,L1.11
N,1899105,608248,18.4,L1.12
N,1899066,608341,18.6,L1.13
N,1899029,608434,18.9,L1.14
L6 - NB HOV Lanes,5,
N,1899551,607353,18,L6.1
N,1899505,607442,18.2,L6.2
N,1899461,607533,18.4,L6.3
N,1899417,607622,19.2,L6.4
N,1899375,607712,20.8,L6.5
N,1899335,607803,21.6,L6.6
N,1899296,607895,21.6,L6.7
N,1899258,607989,20.9,L6.8
N,1899219,608080,19.3,L6.9
N,1899181,608172,18,L6.10
N,1899141,608263,18.4,L6.11
N,1899103,608357,18.6,L6.12
N,1899065,608449,18.9,L6.13
L5 - NB General Lanes - Inner,6,
N,1899545,607350,18.2,L5.1
N,1899500,607440,18.4,L5.2
N,1899455,607530,18.6,L5.3
N,1899412,607619,19.4,L5.4
N,1899369,607710,21,L5.5
N,1899330,607800,21.8,L5.6
N,1899291,607893,21.8,L5.7
N,1899253,607986,21.1,L5.8
N,1899214,608078,19.5,L5.9
N,1899175,608170,18.2,L5.10
N,1899138,608262,18.6,L5.11
N,1899098,608355,18.8,L5.12
N,1899059,608447,19.1,L5.13
L4 - NB General Lanes - Outer,7,
N,1899537,607346,18.2,L4.1
N,1899493,607437,18.4,L4.2
N,1899448,607526,18.6,L4.3
N,1899404,607615,19.4,L4.4
N,1899363,607706,21,L4.5
N,1899323,607797,21.8,L4.6
N,1899284,607891,21.8,L4.7
N,1899246,607983,21.1,L4.8
N,1899208,608076,19.5,L4.9
N,1899170,608167,18.2,L4.10
N,1899131,608259,18.6,L4.11
N,1899091,608353,18.8,L4.12
N,1899053,608444,19.1,L4.13

L8 - SB Cannon Off-Ramp,8,
N,1899201,607841,14.8,L8.1
N,1899199,607881,15.2,L8.2
N,1899193,607940,17,L8.3
N,1899177,607997,18,L8.4
N,1899164,608035,18.3,L8.5
N,1899145,608091,18,L8.6
N,1899127,608149,17.8,L8.7
N,1899105,608248,18.4,L8.8
B1 - NB Shoulder ST 660 to 665,1,2,0,0
1899531,607344,18.2,19.2,B1.1
1899487,607434,18.4,19.4,B1.2
1899444,607524,18.6,19.6,B1.3
1899398,607614,19.4,20.4,B1.4
1899357,607704,21,22,B1.5
1899316,607795,21.8,22.8,B1.6
1899277,607888,21.8,22.8,B1.7
1899239,607981,21.1,22.1,B1.8
1899200,608072,19.5,20.5,B1.9
1899162,608165,18.2,19.2,B1.10
B1 - NB Shoulder ST 660 to 665,2,2,0,0
1899162,608165,18.2,19.2,B1.10
1899123,608257,18.6,19.6,B1.11
1899085,608350,18.8,19.8,B1.12
1899048,608442,19.1,20.1,B1.13
B2 - Bridge,3,2,0,0
1899274,607833,22,22.9,B2.1
1899255,607877,21.5,22.4,B2.2
1899255,607877,21.5,21.5,B2.2
1899251,607890,21.5,21.5,B3.1
1899224,607953,20.8,20.8,B3.2
1899197,608017,19.9,19.9,B3.3
B4 - Building NB Side ST 666,4,2,0,0
1899168,607961,14,14,B4.1
1899164,608004,14.3,14.3,B4.2
1899153,608042,14.6,14.6,B4.3
1899142,608065,19,19,B6.1
B5 - Building NB Side ST 667,5,2,0,0
1899118,607914,14,18.3,B5.1
1899165,607924,14,18.3,B5.2
1899155,607956,14,18.3,B5.3
1899102,607944,14,18.3,B5.4
B6 - Building/Nat Bar NB Side ST 669,6,1,0,0
1899142,608065,19,19,B6.1
1899113,608133,19,19,B6.2
1899084,608206,19,19,B6.3
R,1,67,4
1899150,607937,15.5,R15.1
R,2,67,4
1899110,607928,15.5,R15.2
D,4.5
ALL,All
c,c

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
15 CANNON NO BUILD,DGN,FT,

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	BAR ID	LENGTH	TYPE
1	-	3.*							B1.1	328.7	
2	-	3.*							B1.2	327.2	
3	-	3.*							B1.3	331.7	
4	-	3.*							B1.4	324.4	
5	-	3.*							B1.5	327.5	
6	-	3.*							B1.6	330.8	
7	-	3.*							B1.7	329.6	
8	-	3.*							B1.8	324.9	
9	-	3.*							B1.9	329.6	
10	-	3.*							B1.10	327.8	
11	-	3.*							B1.11	329.7	
12	-	3.*							B1.12	325.3	
13	-	3.*							B2.1	157.2	
14	-	2.*							B2.2	3.0	
15	-	0.*							B2.2	44.7	
16	-	0.*							B3.1	224.9	
17	-	0.*							B3.2	227.9	
18	-	0.*							B4.1	141.7	
19	-	0.*							B4.2	129.8	
20	-	0.*							B4.3	84.8	
21	-	14.*							B5.1	157.6	
22	-	14.*							B5.2	110.0	
23	-	14.*							B5.3	178.3	
24	-	0.*							B6.1	242.5	
25	-	0.*							B6.2	257.7	

0 1 2 3 4 5 6 7

1

REC	REC ID	DNL	PEOPLE	LEQ(CAL)
1	R15.1	67.	500.	68.2
2	R15.2	67.	500.	69.3

BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 2. 0. 0. 0. 0. 0. 0.14.14.14. 0. 0.

Roadway Segment 16 Cannon Rd to Tamarack Ave. - No Build - NB & SB
T RW Seg 16NB Truck, 1
0 , 0 , 0 , 0 , 0 , 0
T RW Seg 16NB Car, 2
3269, 65, 86, 65, 245, 65
T RW Seg 16NB HOV, 3
3514, 65, 86, 65, 0 , 0
T RW Seg 16NB Tamarack Off ramp, 4
675, 45, 17, 45, 18, 45
T RW Seg 16SB Truck, 5
0 , 0 , 0 , 0 , 0 , 0
T RW Seg 16SB Car, 6
3269, 65, 86, 65, 245, 65
T RW Seg 16SB HOV, 7
3514, 65, 86, 65, 0 , 0
T RW Seg 16SB Tamarack On Ramp, 8
779, 45, 20, 45, 21, 45
L I-5 Seg 16NB Truck, 1
N, 98938.160 , 8917.620 , 9.5 , Sta.793
N, 98935.300 , 9019.210 , 6.5 , Sta.794
N, 98929.530 , 9118.040 , 5.5 , Sta.795
N, 98925.670 , 9220.420 , 8 , Sta.796
N, 98907.400 , 9323.010 , 9.5 , Sta.797
N, 98871.770 , 9421.030 , 10.5 , Sta.798
N, 98827.570 , 9511.870 , 11 , Sta.799
N, 98785.790 , 9602.280 , 12 , Sta.800
N, 98742.270 , 9692.620 , 13.5 , Sta.801
N, 98698.280 , 9782.310 , 14.75 , Sta.802
N, 98654.69 , 9872.56 , 15 , Sta.803
98613.18 , 9962.77 , 17.6 , Sta.804
L I-5 Seg 16NB Cars, 2
N, 98930.840 , 8918.530 , 9.5 , Sta.793
N, 98925.950 , 9018.640 , 6.5 , Sta.794
N, 98921.740 , 9118.640 , 5.5 , Sta.795
N, 98916.780 , 9219.520 , 8 , Sta.796
Y, 98899.020 , 9320.710 , 9.5 , Sta.797
Y, 98863.420 , 9417.360 , 10.5 , Sta.798
N, 98819.680 , 9507.990 , 11 , Sta.799
N, 98777.990 , 9598.670 , 12.5 , Sta.800
N, 98733.440 , 9688.760 , 13.75 , Sta.801
N, 98690.030 , 9778.240 , 15 , Sta.802
N, 98648.69 , 9869.67 , 15.8 , Sta.803
98605.40 , 9958.79 , 17.7 , Sta.804
L I-5 Seg 16NB HOV, 3
N, 98920.90 , 8917.72 , 9.5 , Sta.793
N, 98917.29 , 9018.29 , 6.65 , Sta.794
N, 98913.69 , 9118.86 , 5.6 , Sta.795
N, 98908.59 , 9219.66 , 7.4 , Sta.796
N, 98890.14 , 9318.75 , 8.83 , Sta.797
N, 98855.59 , 9413.70 , 10.22 , Sta.798
N, 98812.85 , 9504.63 , 11.26 , Sta.799
N, 98770.52 , 9593.66 , 12.6 , Sta.800
N, 98727.15 , 9685.40 , 13.7 , Sta.801
N, 98684.85 , 9774.90 , 14.87 , Sta.802
N, 98639.88 , 9865.24 , 16 , Sta.803
98597.42 , 9955.39 , 17.7 , Sta.804

L I-5 Seg 16NB Off Ramp, 4
N, 98871.770 , 9421.030 , 10.5 , Sta.798
N, 98834.640 , 9514.810 , 11.5 , Sta.799
Y, 98799.750 , 9608.500 , 12.5 , Sta.800
Y, 98764.130 , 9701.810 , 17 , Sta.801
Y, 98730.830 , 9795.540 , 20.5 , Sta.802
98714.800 , 9852.250 , 23.11 , Sta.802.5
L I-5 Seg 16SB Truck, 5
N, 98566.78 , 9941.43 , 17.5 , Sta.804
N, 98610.75 , 9850.65 , 15.75 , Sta.803
N, 98650.81 , 9761.09 , 14.5 , Sta.802
N, 98693.53 , 9670.21 , 13.5 , Sta.801
N, 98735.87 , 9579.3 , 12 , Sta.800
N, 98778.66 , 9488.51 , 11 , Sta.799
N, 98821.45 , 9398.25 , 8.5 , Sta.798
N, 98854.55 , 9309.36 , 7.5 , Sta.797
N, 98871.46 , 9214.68 , 6 , Sta.796
N, 98876.34 , 9117.21 , 5.5 , Sta.795
Y, 98880.69 , 9016.94 , 6 , Sta.794
98884.54 , 8918.7 , 9.5 , Sta.793
L I-5 Seg 16SB Cars, 6
N, 98574.38 , 9945.01 , 17.7 , Sta.804
N, 98616.93 , 9854.16 , 15.8 , Sta.803
N, 98659.7 , 9765.27 , 14.75 , Sta.802
N, 98701.23 , 9673.82 , 13.5 , Sta.801
N, 98743.93 , 9582.87 , 12.5 , Sta.800
N, 98787.1 , 9492.86 , 11 , Sta.799
N, 98829.98 , 9402.23 , 9 , Sta.798
N, 98862 , 9311.05 , 8 , Sta.797
N, 98880.43 , 9216.08 , 6.5 , Sta.796
N, 98884.72 , 9116.81 , 5.5 , Sta.795
N, 98888.64 , 9017.11 , 6.5 , Sta.794
98893.74 , 8918.15 , 9.5 , Sta.793
L I-5 Seg 16SB HOV, 7
N, 98582.75 , 9949.08 , 17.7 , Sta.804
N, 98625.9 , 9858.5 , 15.8 , Sta.803
N, 98667.59 , 9768.29 , 15 , Sta.802
N, 98709.58 , 9677.59 , 14 , Sta.801
N, 98753.19 , 9587.53 , 12.5 , Sta.800
N, 98796.03 , 9497.29 , 11 , Sta.799
N, 98838.12 , 9405.96 , 9.5 , Sta.798
N, 98871.77 , 9314.19 , 8.5 , Sta.797
N, 98890.1 , 9216.93 , 7 , Sta.796
N, 98894.71 , 9117.25 , 5.75 , Sta.795
N, 98899.07 , 9017.61 , 6.5 , Sta.794
N, 98902.53 , 8918.25 , 9.5 , Sta.793
L I-5 Seg 16SB On Ramp from Tamarack Ave, 8
N, 98591.67 , 9784.79 , 20 , Sta.802.5
N, 98624.55 , 9746.42 , 20.1 , Sta.802
N, 98679.42 , 9662.12 , 14 , Sta.801
N, 98728.09 , 9575.54 , 12.1 , Sta.800
N, 98773.41 , 9486.14 , 10.7 , Sta.799
98821.45 , 9398.25 , 8.5 , Sta.798
Barrier 1 Bridge Barrier NB, 1, 2, 0, 0
98949.22, 8919.02, 9.20, 10.20, 793N
98947.19, 8976.94, 7.50, 8.50, 793.55N

98947.19, 8976.94, 7.50, 7.50, 793.55N
98945.38, 9020.66, 6.29, 6.29, 794N
Barrier 2 Soundwall 1 NB, 2, 2, 0, 0
98945.38, 9020.66, 6.29, 6.29, 794N
98940.26, 9119.16, 5.50, 5.50, 795N
98936.4, 9221.54, 8.00, 8.00, 796N
98915.96, 9325.4, 10.00, 10.00, 797N
98888, 9408.26, 10.50, 10.50, 797.9N
98893.32, 9410.26, 12.00, 12.00, 797.9N
98886.74, 9431.63, 16.00, 16.00, 798.05
98879.53, 9454.63, 19.50, 19.50, 798.3
98870.38, 9478.11, 20.10, 20.10, 798.5N
98842.6, 9550.19, 20.80, 20.80, 799.3N
98816.04, 9617.91, 21.80, 21.80, 800N
Barrier 3 Soundwall 2 NB, 3, 2, 0, 0
98816.04, 9617.91, 21.80, 21.80, 800N
98810.63, 9631.62, 21.5, 21.50, 800.15N
98810.63, 9631.62, 21.5, 21.50, 800.15N
98781.07, 9705.75, 22.5, 22.50, 801N
98751.94, 9781.6, 23.5, 23.50, 801.8N
Barrier 4 Terrain Line NB, 4, 2, 0, 0
98751.94, 9781.6, 23.5, 23.50, 801.8N
98738.99, 9846.39, 23.0, 23.00, 802.4N
Barrier 5 Building NB, 5, 2, 0, 0
98885.39, 9492.49, 20.6, 30.59, 796.5N
98877.76, 9506.2518, 20.6, 30.60, 796.75N
Barrier 6 Building NB, 6, 2, 0, 0
98871.58, 9513.26, 20.6, 30.60, 798.8N
98862.58, 9539.57, 20.9, 30.90, 799.1N
Barrier 7 Building NB, 7, 2, 0, 0
98850.22, 9568.48, 21.5, 35.50, 799.4N
98826.65, 9617.18, 21.5, 35.50, 799.95N
Barrier 8 Center Divider Jersey Barrier, 8, 2, 0, 0
98912.1, 8918.53, 9.70, 10.70, 793C
98907.11, 9018.18, 6.65, 7.65, 794C
98903.75, 9117.66, 5.60, 6.60, 795C
98898.07, 9217.63, 7.40, 8.40, 796C
Barrier 9 Center Divider Jersey Barrier, 9, 2, 0, 0
98898.07, 9217.63, 7.40, 8.40, 796C
98880.22, 9316.36, 8.83, 9.83, 797C
98846.47, 9409.73, 10.22, 11.22, 798C
98803.14, 9500.35, 11.26, 12.26, 799C
98760.44, 9590.55, 12.60, 13.60, 800C
98717.84, 9680.98, 13.70, 14.70, 801C
98674.58, 9771.58, 14.87, 15.87, 802C
98632.8, 9862.29, 15.80, 16.80, 803C
98589.76, 9952.35, 17.74, 18.74, 804C
Barrier 10 Soundwall 4 SB, 10, 2, 0, 0
98736.27, 9253.15, 16.65, 16.65, 797S
98834.45, 9265.54, 19.87, 19.87, 796.75S
98834.45, 9265.54, 19.87, 19.87, 796.75S
98821.84, 9327.75, 19.05, 19.05, 797.4S
98801.53, 9408.09, 17.26, 17.26, 798.2S
98776.3, 9462.12, 15.30, 15.30, 798.75S
98733.49, 9551.23, 16, 16.00, 799.75
98723.1, 9569.28, 20.20, 20.20, 799.95S

Barrier 11 Soundwall 3 SB, 11, 2, 0, 0
98723.1, 9569.28, 20.20, 20.20, 799.95S
98715.56, 9581.51, 19.40, 19.40, 800.1S
98715.56, 9581.51, 19.40, 19.40, 800.1S
98658.4, 9681.11, 19.00, 19.00, 801.2S
98658.4, 9681.11, 19.00, 20.83, 801.2S
98646.57, 9701.96, 18.81, 20.64, 801.5S
98614.83, 9740.99, 19.61, 21.44, 802S
98614.83, 9740.99, 19.61, 19.61, 802S
98587.41, 9770.35, 20.30, 20.30, 802.4S
Barrier 12 Building SB, 12, 2, 0, 0
98817.68, 9277.8, 19.80, 29.80, 796.8S
98812.87, 9329.21, 19.80, 29.80, 797.4S
98785.39, 9306.21, 19.90, 29.90, 797.2S
98755.88, 9327.71, 19.00, 29.00, 797.4S
Barrier 13 Building SB, 13, 2, 0, 0
98808.7, 9348.7, 25.00, 35.00, 797.5S
98802.44, 9374.46, 25.00, 35.00, 797.9S
Barrier 14 Building SB, 14, 2, 0, 0
98638.1747, 9680.5904, 19.7, 25.70, 801.35
98630.8258, 9685.8371, 19.7, 25.70, 801.4
98630.8258, 9685.8371, 19.7, 25.70, 801.4
98622.6503, 9673.0083, 19.7, 25.70, 801.35
98622.6503, 9673.0083, 19.7, 25.70, 801.35
98618.0833, 9681.4628, 19.7, 25.70, 801.4
Barrier 15 Building SB, 15, 2, 0, 0
98680.63, 9604.95, 19.00, 29.00, 800.4S
98660.16, 9648.21, 19.00, 29.00, 800.95S
Barrier 16 Terrain Line SB, 16, 2, 0, 0
98821.84, 9327.75, 19.05, 19.05, 797.4S
98771.71, 9457.4, 21.20, 21.20, 798.75S
98771.71, 9457.4, 21.20, 22.42, 798.75S
98739.16, 9524.35, 19.30, 20.52, 799.45S
98739.16, 9524.35, 19.30, 19.30, 799.45S
98719.18, 9567.27, 19.29, 19.29, 799.9S
Barrier 17 Building SB, 17, 2, 0, 0
98776.7, 9410.91, 19.30, 29.30, 789.2S
98766.35, 9442.43, 19.30, 29.30, 798.7S
Barrier 18 Building SB, 18, 2, 0, 0
98734.38, 9436.49, 19.2, 29.20, 798.75
98733.27, 9460.64, 19.6, 29.60, 798.95
98733.27, 9460.64, 19.6, 19.60, 798.95
98738.26, 9471, 19.70, 19.70, 799S
98738.26, 9471, 19.70, 29.70, 799S
98720.37, 9503.72, 19.70, 29.70, 799.3S
98720.37, 9503.72, 19.70, 19.70, 799.3S
98711.66, 9507.1, 19.00, 19.00, 799.5
98711.66, 9507.1, 19.00, 29.00, 799.5
98675.85, 9505.86, 18.95, 28.95, 799.6
Barrier 19 Building SB, 19, 2, 0, 0
98656.63, 9659.85, 19.20, 29.20, 801.1S
98650.26, 9672.51, 19.20, 29.20, 801.15S
Barrier 20 Building SB, 20, 2, 0, 0
98622.77, 9716.28, 19.60, 29.60, 801.75S
98617.48, 9734, 19.60, 29.60, 801.95S
R 16.1, 1 ,55, 1

98976.46, 9319.16, 2.5, R16.1
R 16.2, 2 ,55, 1
98984.94, 9404.18, 13.5, R16.2
R 16.3, 3 ,55, 2
98885.11, 9439.81, 21.0, LT16.1-R3
R 16.4, 4 ,55, 20
98885.44, 9524.84, 23.4, R16.4
R 16.5, 5 ,55, 37
98848.62, 9597.27, 23.2, R16.5
R 16.6, 6 ,55, 44
98789.7, 9697.72, 24.4, ST16.2-R6
R 16.7, 7 ,55, 44
98776.1858, 9726.8125, 24.1, R16.7
R 16.8, 8 ,55, 1
98605.9, 9734.17, 21.2, R16.8
R 16.9, 9 ,55, 2
98595.63, 9722.51, 21.2, R16.9
R 16.10, 10 ,55, 2
98647.01, 9687.98, 20.5, LT16.2-R10
R 16.11, 11 ,55, 3
98608.36, 9648.24, 21.1, R16.11
R 16.12, 12 ,55, 12
98657.33, 9614.44, 21.0, R16.12
R 16.13, 13 ,55, 7
98694.1544, 9606.876, 20.2, R16.13
R 16.14, 14 ,55, 3
98730.14, 9518.31, 20.9, R16.14
R16.15, 15 ,55, 27
98713.15, 9478.36, 19.5, R16.15
R 16.16, 16 ,55, 14
98753.61, 9425.12, 20.5, R16.16
R 16.17, 17 ,55, 14
98787.78, 9391.95, 21.9, ST16.1/CAL
R 16.18, 18 ,55, 16
98777.12, 9356.76, 26.5, R16.18
R 16 .19, 19 ,55, 15
98793.58, 9275.54, 21.3, R16.19
R 16.3A, 20 ,55, 2
98876.98, 9487.52, 20.1, R16.3A
R 16.4A, 21 ,55, 20
98837.04, 9576.3, 22.74, R16.4A
D, 4.5
ALL,2,4,5,6,7,8,9,10,11,12,13
All,14,15,16,17,18,20,21
K, 0.
All, All
K, 1.8
All, 6 ,7

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGMENT 16 CANNON RD TO TAMARACK AVE. - NO BUILD - NB & SB

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	3.*							793N	190.2	
2	-	2.*							793.55N	3.3	
3	-	0.*							793.55N	143.6	
4	-	0.*							794N	323.6	
5	-	0.*							795N	336.2	
6	-	0.*							796N	347.3	
7	-	0.*							797N	287.0	
8	-	0.*							797.9N	19.3	
9	-	0.*							797.9N	74.5	
10	-	0.*							798.05	79.9	
11	-	0.*							798.3	82.8	
12	-	0.*							798.5N	253.4	
13	-	0.*							799.3N	238.7	
14	-	0.*							800N	48.4	
15	-	0.*							800.15N	.0	
16	-	0.*							800.15N	261.9	
17	-	0.*							801N	266.6	
18	-	0.*							801.8N	216.7	
19	-	33.*							796.5N	51.7	
20	-	33.*							798.8N	91.2	
21	-	46.*							799.4N	177.4	
22	-	3.*							793C	327.5	
23	-	3.*							794C	326.6	
24	-	3.*							795C	328.6	
25	-	3.*							796C	329.2	
26	-	3.*							797C	325.8	
27	-	3.*							798C	329.5	
28	-	3.*							799C	327.5	
29	-	3.*							800C	327.9	
30	-	3.*							801C	329.5	
31	-	3.*							802C	327.7	
32	-	3.*							803C	327.6	
33	-	0.*							797S	324.8	
34	-	0.*							796.75S	.0	

```
35    -  0.*                    796.75S   208.3
36    -  0.*                    797.4S    271.9
37    -  0.*                    798.2S    195.8
38    -  0.*                    798.75S   324.4
39    -  0.*                    799.75     69.7

40    -  0.*                    799.95S    47.2
41    -  0.*                    800.1S      .0
42    -  0.*                    800.1S    376.8
43    -  3.*                    801.2S      6.0
44    -  6.*                    801.2S     78.6
45    -  6.*                    801.5S    165.0
46    -  3.*                    802S        6.0
47    -  0.*                    802S      131.9

48    - 33.*                     796.8S    169.3
49    - 33.*                     797.4S    117.6
50    - 33.*                     797.2S    119.8

51    - 33.*                     797.5S     87.0

52    - 20.*                     801.35     29.7
53    - 20.*                     801.4       .0
54    - 20.*                     801.4      49.9
55    - 20.*                     801.35      .0
56    - 20.*                     801.35     31.5

57    - 33.*                     800.4S    157.0

58    -  0.*                    797.4S    456.0
59    -  2.*                    798.75S     4.0
60    -  4.*                    798.75S   244.4
61    -  2.*                    799.45S     4.0
62    -  0.*                    799.45S   155.3

63    - 33.*                     789.2S    108.8

64    - 33.*                     798.75     79.3
65    - 16.*                     798.95     32.8
66    -  0.*                    798.95     37.7
67    - 16.*                     799S       32.8
68    - 33.*                     799S      122.4
69    - 16.*                     799.3S     32.8
70    -  0.*                    799.3S     30.7
71    - 16.*                     799.5      32.8
72    - 33.*                     799.5     117.6

73    - 33.*                     801.1S     46.6

74    - 33.*                     801.75S    60.6
--------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
--------------------------------
 1  R16.1    67.    500.   67.3
```

```
 2  R16.2    67.    500.   67.5
 3  LT16.1-  67.    500.   79.7
 4  R16.4    67.    500.   66.1
 5  R16.5    67.    500.   63.5
 6  ST16.2-  67.    500.   75.9
 7  R16.7    67.    500.   76.0
 8  R16.8    67.    500.   70.9
 9  R16.9    67.    500.   68.5
10  LT16.2-  67.    500.   72.1
11  R16.11   67.    500.   64.0
12  R16.12   67.    500.   64.2
13  R16.13   67.    500.   74.7
14  R16.14   67.    500.   72.0
15  R16.15   67.    500.   61.0
16  R16.16   67.    500.   63.6
17  ST16.1/  67.    500.   73.1
18  R16.18   67.    500.   68.8
19  R16.19   67.    500.   68.0
20  R16.3A   67.    500.   70.4
21  R16.4A   67.    500.   74.6
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 3. 2. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.33.33.46. 3. 3. 3. 3.
 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 6. 6. 3. 0.33.33.33.
33.20.20.20.20.20.33. 0. 2. 4. 2. 0.33.33.16. 0.16.33.16. 0.16.33.33.33.
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Roadway Segment 16 Cannon Rd to Tamarack Ave. Future No Barrier - North Bound
T RW Seg 16NB Truck,1
4765,65,166,65,469,65
T RW Seg 16NB Car,2
5234,65,166,65,0,0
T RW Seg 16NB HOV,3
3000,65,0,0,0,0
T RW Seg 16NB Tamarack Off ramp,4
1900,45,48,45,52,45
T RW Seg 16SB Truck,5
4765,65,166,65,469,65
T RW Seg 16SB Car,6
5234,65,166,65,0,0
T RW Seg 16SB HOV,7
3000,65,0,0,0,0
T RW Seg 16SB Tamarack On Ramp,8
1900,45,48,45,52,45
L I-5 Seg 16NB Truck,1
N,98946.96,8917.56,9.4,793+00
N,98940.51,9019.44,6.0,794+00
N,98934.20,9119.10,5.6,795+00
N,98927.34,9220.55,8.3,796+00
N,98907.82,9323.51,9.8,797+00
N,98871.77,9421.03,10.5, Sta.798
N,98827.57,9511.87,11.0, Sta.799
N,98785.79,9602.28,12.0, Sta.800
N,98742.27,9692.62,13.5, Sta.801
N,98698.28,9782.31,14.8, Sta.802
N,98654.69,9872.56,15.0, Sta.803
N,98613.18,9962.77,17.6, Sta.804
L I-5 Seg 16NB Cars,2
N,98938.13,8919.01,9.5,793+00
N,98931.59,9019.04,6.0,794+00
N,98925.60,9118.35,5.6,795+00
N,98918.61,9219.90,8.0,796+00
Y,98899.24,9320.75,9.5,797+00
Y,98863.42,9417.36,10.5, Sta.798
N,98819.68,9507.99,11.0, Sta.799
N,98777.99,9598.67,12.5, Sta.800
N,98733.44,9688.76,13.8, Sta.801
N,98690.03,9778.24,15.0, Sta.802
N,98648.69,9869.67,15.8, Sta.803
N,98605.40,9958.79,17.7, Sta.804
L I-5 Seg 16NB HOV,3,
N,98928.14,8919.04,9.5,793+00
N,98921.71,9019.10,6.5,794+00
N,98915.34,9118.48,5.6,795+00
N,98908.53,9219.01,7.5,796+00
N,98889.64,9318.37,8.9,797+00
N,98855.59,9413.70,10.2, Sta.798
N,98812.85,9504.63,11.3, Sta.799
N,98770.52,9593.66,12.6, Sta.800
N,98727.15,9685.40,13.7, Sta.801
N,98684.85,9774.90,14.9, Sta.802
N,98639.88,9865.24,16.0, Sta.803
N,98597.42,9955.39,17.7, Sta.804

L I-5 Seg 16NB Off Ramp to Tamarack,4
N,98850.17,9474.21,10.6,L2.798+55
N,98820.98,9552.56,11.2,L2.799+40
Y,98800.10,9608.61,11.9,L2.800+00
Y,98765.14,9702.44,15.3,L2.801+00
Y,98733.91,9797.27,21.7,L2.802+00
N,98721.22,9842.70,22.9,L2.802+47
L I-5 Seg 16SB Truck,5
N,98566.78,9941.43,17.5, Sta.804
N,98610.75,9850.65,15.8, Sta.803
N,98650.81,9761.09,14.5, Sta.802
N,98693.53,9670.21,13.5, Sta.801
N,98735.87,9579.3,12.0, Sta.800
N,98778.66,9488.51,11.0, Sta.799
N,98821.45,9398.25,8.5, Sta.798
N,98853.17,9308.43,7.4,797+00,
N,98869.91,9213.88,5.8,796+00,
N,98872.97,9116.56,5.6,795+00,
Y,98874.59,9016.69,6.2,794+00,
N,98876.22,8916.83,9.3,793+00,
L I-5 Seg 16SB Cars,6
N,98574.38,9945.01,17.7, Sta.804
N,98616.93,9854.16,15.8, Sta.803
N,98659.70,9765.27,14.8, Sta.802
N,98701.23,9673.82,13.5, Sta.801
N,98743.93,9582.87,12.5, Sta.800
N,98787.10,9492.86,11.0, Sta.799
N,98829.98,9402.23,9.0, Sta.798
N,98861.96,9310.82,7.9,797+00
N,98878.95,9214.63,6.3,796+00
N,98881.80,9116.48,5.6,795+00
N,98883.53,9017.29,6.4,794+00
N,98884.96,8916.44,9.5,793+00
L I-5 Seg 16SB HOV,7
N,98582.75,9949.08,17.7, Sta.804
N,98625.90,9858.5,15.8, Sta.803
N,98667.59,9768.29,15.0, Sta.802
N,98709.58,9677.59,14.0, Sta.801
N,98753.19,9587.53,12.5, Sta.800
N,98796.03,9497.29,11.0, Sta.799
N,98838.12,9405.96,9.5, Sta.798
N,98871.40,9313.91,8.4,797+00
N,98888.59,9216.85,6.8,796+00
N,98891.92,9117.77,5.6,795+00
N,98893.44,9017.49,6.6,794+00
N,98894.97,8917.22,9.6,793+00
L I-5 Seg 16SB On Ramp from Tamarack Ave,8
N,98600.94,9773.98,21,L1.802+38
N,98637.03,9729.76,18.2,L1.801+80
N,98669.08,9679.39,14.3,L1.801+20
N,98708.88,9609.92,12.5,L1.800+40
N,98748.50,9540.78,11.5,L1.799+60
N,98784.20,9468.90,10.5,L1.798+80
Barrier 1 Bridge Barrier NB,1,2,0,0
98957.77,8918.95,9.25,10.25,B1.793+00
98954.17,8977.82,7.4,8.4,B1.793+55

98954.17,8977.82,7.4,7.4,B1.793+55
98951.45,9021.41,5.8,5.8,B1.794+00
98945.42,9120.90,5.6,5.6,B1.795+00
98938.38,9222.15,8.7,8.7,B1.796+00
98918.53,9326.57,9.7,9.7,B1.797+00
Barrier 2 Soundwall 1 NB,2,2,0,0
98945.38,9020.66,6.29,6.29, 794N
98940.26,9119.16,5.5,5.5, 795N
98936.40,9221.54,8,8, 796N
98915.96,9325.40,10,10, 797N
98888.00,9408.26,10.5,10.5, 797.9N
98893.32,9410.26,12,12, 797.9N
98886.74,9431.63,16,16,798.05
98879.53,9454.63,19.5,19.5,798.3
98870.38,9478.11,20.1,20.1, 798.5N
98842.60,9550.19,20.8,20.8, 799.3N
98816.04,9617.91,21.8,21.8, 800N
Barrier 3 Soundwall 2 NB,3,2,0,0
98816.04,9617.91,21.8,21.8, 800N
98810.63,9631.62,21.5,21.5, 800.15N
98810.63,9631.62,21.5,21.5, 800.15N
98781.07,9705.75,22.5,22.5, 801N
98751.94,9781.6,23.5,23.5, 801.8N
Barrier 4 Terrain Line NB,4,2,0,0
98751.94,9781.6,23.5,23.5, 801.8N
98738.99,9846.39,23,23, 802.4N
Barrier 5 Building NB,5,2,0,0
98885.39,9492.49,20.6,30.59, 796.5N
98877.76,9506.2518,20.6,30.6, 796.75N
Barrier 6 Building NB,6,2,0,0
98871.58,9513.26,20.6,30.6, 798.8N
98862.58,9539.57,20.9,30.9, 799.1N
Barrier 7 Building NB,7,2,0,0
98850.22,9568.48,21.5,35.5, 799.4N
98826.65,9617.18,21.5,35.5, 799.95N
Barrier 8 Center Divider Jersey Barrier,8,2,0,0
98912.1,8918.53,9.7,10.7, 793C
98907.11,9018.18,6.65,7.65, 794C
98903.75,9117.66,5.6,6.6, 795C
98898.07,9217.63,7.4,8.4, 796C
Barrier 9 Center Divider Jersey Barrier,9,2,0,0
98898.07,9217.63,7.4,8.4, 796C
98880.22,9316.36,8.83,9.83, 797C
98846.47,9409.73,10.22,11.22, 798C
98803.14,9500.35,11.26,12.26, 799C
98760.44,9590.55,12.6,13.6, 800C
98717.84,9680.98,13.7,14.7, 801C
98674.58,9771.58,14.87,15.87, 802C
98632.8,9862.29,15.8,16.8, 803C
98589.76,9952.35,17.74,18.74, 804C
Barrier 10 Soundwall 4 SB,10,2,0,0
98736.27,9253.15,16.65,16.65, 797S
98834.45,9265.54,19.87,19.87, 796.75S
98834.45,9265.54,19.87,19.87, 796.75S
98821.84,9327.75,19.05,19.05, 797.4S
98801.53,9408.09,17.26,17.26, 798.2S

98776.30,9462.12,15.3,15.3, 798.75S
98733.49,9551.23,16,16,799.75
98723.10,9569.28,20.2,20.2, 799.95S
Barrier 11 Soundwall 3 SB,11,2,0,0
98723.10,9569.28,20.2,20.2, 799.95S
98715.56,9581.51,19.4,19.4, 800.1S
98715.56,9581.51,19.4,19.4, 800.1S
98658.40,9681.11,19,19, 801.2S
98658.40,9681.11,19,20.83, 801.2S
98646.57,9701.96,18.81,20.64, 801.5S
98614.83,9740.99,19.61,21.44, 802S
98614.83,9740.99,19.61,19.61, 802S
98587.41,9770.35,20.3,20.3, 802.4S
Barrier 12 Building SB,12,2,0,0
98817.68,9277.80,19.8,29.8, 796.8S
98812.87,9329.21,19.8,29.8, 797.4S
98785.39,9306.21,19.9,29.9, 797.2S
98755.88,9327.71,19,29, 797.4S
Barrier 13 Building SB,13,2,0,0
98808.70,9348.70,25,35, 797.5S
98802.44,9374.46,25,35, 797.9S
Barrier 14 Building SB,14,2,0,0
98638.17,9680.59,19.7,25.7,801.35
98630.83,9685.84,19.7,25.7,801.4
98630.83,9685.84,19.7,25.7,801.4
98622.65,9673.01,19.7,25.7,801.35
98622.65,9673.01,19.7,25.7,801.35
98618.08,9681.46,19.7,25.7,801.4
Barrier 15 Building SB,15,2,0,0
98680.63,9604.95,19,29, 800.4S
98660.16,9648.21,19,29, 800.95S
Barrier 16 Terrain Line SB,16,2,0,0
98821.84,9327.75,19.05,19.05, 797.4S
98771.71,9457.4,21.2,21.2, 798.75S
98771.71,9457.4,21.2,22.42, 798.75S
98739.16,9524.35,19.3,20.52, 799.45S
98739.16,9524.35,19.3,19.3, 799.45S
98719.18,9567.27,19.29,19.29, 799.9S
Barrier 17 Building SB,17,2,0,0
98776.70,9410.91,19.3,29.3, 789.2S
98766.35,9442.43,19.3,29.3, 798.7S
Barrier 18 Building SB,18,2,0,0
98734.38,9436.49,19.2,29.2,798.75
98733.27,9460.64,19.6,29.6,798.95
98733.27,9460.64,19.6,19.6,798.95
98738.26,9471.00,19.7,19.7, 799S
98738.26,9471.00,19.7,29.7, 799S
98720.37,9503.72,19.7,29.7, 799.3S
98720.37,9503.72,19.7,19.7, 799.3S
98711.66,9507.10,19,19,799.5
98711.66,9507.10,19,29,799.5
98675.85,9505.86,18.95,28.95,799.6
Barrier 19 Building SB,19,2,0,0
98656.63,9659.85,19.2,29.2, 801.1S
98650.26,9672.51,19.2,29.2, 801.15S
Barrier 20 Building SB,20,2,0,0

98622.77,9716.28,19.6,29.6, 801.75S
98617.48,9734,19.6,29.6, 801.95S
R 16.1,1,55,1
98976.46,9319.16,2.5, R16.1
R 16.2,2,55,1
98984.94,9404.18,13.5, R16.2
R 16.3,3,55,2
98885.11,9439.81,21, LT16.1-R3
R 16.4,4,55,20
98885.44,9524.84,23.4, R16.4
R 16.5,5,55,37
98848.62,9597.27,23.2, R16.5
R 16.6,6,55,44
98789.7,9697.72,24.4, ST16.2-R6
R 16.7,7,55,44
98776.1858,9726.8125,24.1, R16.7
R 16.3A,8,55,2
98876.98,9487.52,20.1, R16.3A
R 16.4A,9,55,20
98837.04,9576.3,22.74, R16.4A
D,4.5
ALL,2,3,4,5,6,7,8,9
K,0
All, All
K,1.8
ALL,6,7

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGMENT 16 CANNON RD TO TAMARACK AVE. FUTURE NO BARRIER - NORTH BOUND

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	3.*							B1.793+0	193.7	
2	-	2.*							B1.793+5	3.3	
3	-	0.*							B1.793+5	143.4	
4	-	0.*							B1.794+0	327.0	
5	-	0.*							B1.795+0	333.2	
6	-	0.*							B1.796+0	348.7	
7	-	0.*							794N	323.6	
8	-	0.*							795N	336.2	
9	-	0.*							796N	347.3	
10	-	0.*							797N	287.0	
11	-	0.*							797.9N	19.3	
12	-	0.*							797.9N	74.5	
13	-	0.*							798.05	79.9	
14	-	0.*							798.3	82.8	
15	-	0.*							798.5N	253.4	
16	-	0.*							799.3N	238.7	
17	-	0.*							800N	48.4	
18	-	0.*							800.15N	.0	
19	-	0.*							800.15N	261.9	
20	-	0.*							801N	266.6	
21	-	0.*							801.8N	216.7	
22	-	33.*							796.5N	51.7	
23	-	33.*							798.8N	91.2	
24	-	46.*							799.4N	177.4	
25	-	3.*							793C	327.5	
26	-	3.*							794C	326.6	
27	-	3.*							795C	328.6	
28	-	3.*							796C	329.2	
29	-	3.*							797C	325.8	
30	-	3.*							798C	329.5	
31	-	3.*							799C	327.5	
32	-	3.*							800C	327.9	
33	-	3.*							801C	329.5	
34	-	3.*							802C	327.7	

35	-	3.*	803C	327.6
36	-	0.*	797S	324.8
37	-	0.*	796.75S	.0
38	-	0.*	796.75S	208.3
39	-	0.*	797.4S	271.9
40	-	0.*	798.2S	195.8
41	-	0.*	798.75S	324.4
42	-	0.*	799.75	69.7
43	-	0.*	799.95S	47.2
44	-	0.*	800.1S	.0
45	-	0.*	800.1S	376.8
46	-	3.*	801.2S	6.0
47	-	6.*	801.2S	78.6
48	-	6.*	801.5S	165.0
49	-	3.*	802S	6.0
50	-	0.*	802S	131.9
51	-	33.*	796.8S	169.3
52	-	33.*	797.4S	117.6
53	-	33.*	797.2S	119.8
54	-	33.*	797.5S	87.0
55	-	20.*	801.35	29.5
56	-	20.*	801.4	.0
57	-	20.*	801.4	50.0
58	-	20.*	801.35	.0
59	-	20.*	801.35	31.5
60	-	33.*	800.4S	157.0
61	-	0.*	797.4S	456.0
62	-	2.*	798.75S	4.0
63	-	4.*	798.75S	244.4
64	-	2.*	799.45S	4.0
65	-	0.*	799.45S	155.3
66	-	33.*	789.2S	108.8
67	-	33.*	798.75	79.3
68	-	16.*	798.95	32.8
69	-	0.*	798.95	37.7
70	-	16.*	799S	32.8
71	-	33.*	799S	122.4
72	-	16.*	799.3S	32.8
73	-	0.*	799.3S	30.7
74	-	16.*	799.5	32.8
75	-	33.*	799.5	117.6
76	-	33.*	801.1S	46.6
77	-	33.*	801.75S	60.6

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0 1 2 3 4 5 6 7

1

REC	REC ID	DNL	PEOPLE	LEQ(CAL)
1	R16.1	67.	500.	71.7
2	R16.2	67.	500.	70.6
3	LT16.1-	67.	500.	80.8
4	R16.4	67.	500.	68.6
5	R16.5	67.	500.	66.3
6	ST16.2-	67.	500.	79.2
7	R16.7	67.	500.	79.4
8	R16.3A	67.	500.	73.0
9	R16.4A	67.	500.	77.7

BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION

1 1 1

Roadway Segment 16 Cannon Rd to Tamarack Ave. Future No Barrier - South Bound
T RW Seg 16NB Truck,1
4765,65,166,65,469,65
T RW Seg 16NB Car,2
5234,65,166,65,0,0
T RW Seg 16NB HOV,3
3000,65,0,0,0,0
T RW Seg 16NB Tamarack Off ramp,4
1900,45,48,45,52,45
T RW Seg 16SB Truck,5
4765,65,166,65,469,65
T RW Seg 16SB Car,6
5234,65,166,65,0,0
T RW Seg 16SB HOV,7
3000,65,0,0,0,0
T RW Seg 16SB Tamarack On Ramp,8
1900,45,48,45,52,45
L I-5 Seg 16NB Truck,1
N,98946.96,8917.56,9.4,793+00
N,98940.51,9019.44,6.0,794+00
N,98934.20,9119.10,5.6,795+00
N,98927.34,9220.55,8.3,796+00
N,98907.82,9323.51,9.8,797+00
N,98871.77,9421.03,10.5, Sta.798
N,98827.57,9511.87,11.0, Sta.799
N,98785.79,9602.28,12.0, Sta.800
N,98742.27,9692.62,13.5, Sta.801
N,98698.28,9782.31,14.8, Sta.802
N,98654.69,9872.56,15.0, Sta.803
N,98613.18,9962.77,17.6, Sta.804
L I-5 Seg 16NB Cars,2
N,98938.13,8919.01,9.5,793+00
N,98931.59,9019.04,6.0,794+00
N,98925.60,9118.35,5.6,795+00
N,98918.61,9219.90,8.0,796+00
Y,98899.24,9320.75,9.5,797+00
Y,98863.42,9417.36,10.5, Sta.798
N,98819.68,9507.99,11.0, Sta.799
N,98777.99,9598.67,12.5, Sta.800
N,98733.44,9688.76,13.8, Sta.801
N,98690.03,9778.24,15.0, Sta.802
N,98648.69,9869.67,15.8, Sta.803
N,98605.40,9958.79,17.7, Sta.804
L I-5 Seg 16NB HOV,3
N,98928.14,8919.04,9.5,793+00
N,98921.71,9019.10,6.5,794+00
N,98915.34,9118.48,5.6,795+00
N,98908.53,9219.01,7.5,796+00
N,98889.64,9318.37,8.9,797+00
N,98855.59,9413.70,10.2, Sta.798
N,98812.85,9504.63,11.3, Sta.799
N,98770.52,9593.66,12.6, Sta.800
N,98727.15,9685.40,13.7, Sta.801
N,98684.85,9774.90,14.9, Sta.802
N,98639.88,9865.24,16.0, Sta.803
N,98597.42,9955.39,17.7, Sta.804

L I-5 Seg 16NB Off Ramp to Tamarack,4
N,98850.17,9474.21,10.6,L2.798+55
N,98820.98,9552.56,11.2,L2.799+40
Y,98800.10,9608.61,11.9,L2.800+00
Y,98765.14,9702.44,15.3,L2.801+00
Y,98733.91,9797.27,21.7,L2.802+00
N,98721.22,9842.70,22.9,L2.802+47
L I-5 Seg 16SB Truck,5
N,98566.78,9941.43,17.5, Sta.804
N,98610.75,9850.65,15.8, Sta.803
N,98650.81,9761.09,14.5, Sta.802
N,98693.53,9670.21,13.5, Sta.801
N,98735.87,9579.3,12.0, Sta.800
N,98778.66,9488.51,11.0, Sta.799
N,98821.45,9398.25,8.5, Sta.798
N,98853.17,9308.43,7.4,797+00
N,98869.91,9213.88,5.8,796+00
N,98872.97,9116.56,5.6,795+00
Y,98874.59,9016.69,6.2,794+00
N,98876.22,8916.83,9.3,793+00
L I-5 Seg 16SB Cars,6
N,98574.38,9945.01,17.7, Sta.804
N,98616.93,9854.16,15.8, Sta.803
N,98659.70,9765.27,14.8, Sta.802
N,98701.23,9673.82,13.5, Sta.801
N,98743.93,9582.87,12.5, Sta.800
N,98787.10,9492.86,11.0, Sta.799
N,98829.98,9402.23,9.0, Sta.798
N,98861.96,9310.82,7.9,797+00
N,98878.95,9214.63,6.3,796+00
N,98881.80,9116.48,5.6,795+00
N,98883.53,9017.29,6.4,794+00
N,98884.96,8916.44,9.5,793+00
L I-5 Seg 16SB HOV,7
N,98582.75,9949.08,17.7, Sta.804
N,98625.90,9858.5,15.8, Sta.803
N,98667.59,9768.29,15.0, Sta.802
N,98709.58,9677.59,14.0, Sta.801
N,98753.19,9587.53,12.5, Sta.800
N,98796.03,9497.29,11.0, Sta.799
N,98838.12,9405.96,9.5, Sta.798
N,98871.40,9313.91,8.4,797+00
N,98888.59,9216.85,6.8,796+00
N,98891.92,9117.77,5.6,795+00
N,98893.44,9017.49,6.6,794+00
N,98894.97,8917.22,9.6,793+00
L I-5 Seg 16SB On Ramp from Tamarack Ave,8
N,98600.94,9773.98,21,L1.802+38
N,98637.03,9729.76,18.2,L1.801+80
N,98669.08,9679.39,14.3,L1.801+20
N,98708.88,9609.92,12.5,L1.800+40
N,98748.50,9540.78,11.5,L1.799+60
N,98784.20,9468.90,10.5,L1.798+80
B2 Bridge Barrier SB,1,2,0,0
98842.91,9305.67,7,7,B2.797+00
98859.08,9212.91,6.25,6.25,B2.796+00

98862.18,9115.16,5.6,5.6,B2.795+00
98863.74,9015.20,5.8,5.8,B2.794+00
98864.34,8973.76,7.4,7.4,B2.793+55
98864.34,8973.76,7.4,8.4,B2.793+55
98865.25,8916.41,9.2,10.2,B2.793+00
Barrier 2 Soundwall 1 NB,2,2,0,0
98945.38,9020.66,6.29,6.29, 794N
98940.26,9119.16,5.5,5.5, 795N
98936.40,9221.54,8,8, 796N
98915.96,9325.40,10,10, 797N
98888.00,9408.26,10.5,10.5, 797.9N
98893.32,9410.26,12,12, 797.9N
98886.74,9431.63,16,16,798.05
98879.53,9454.63,19.5,19.5,798.3
98870.38,9478.11,20.1,20.1, 798.5N
98842.60,9550.19,20.8,20.8, 799.3N
98816.04,9617.91,21.8,21.8, 800N
Barrier 3 Soundwall 2 NB,3,2,0,0
98816.04,9617.91,21.8,21.8, 800N
98810.63,9631.62,21.5,21.5, 800.15N
98810.63,9631.62,21.5,21.5, 800.15N
98781.07,9705.75,22.5,22.5, 801N
98751.94,9781.6,23.5,23.5, 801.8N
Barrier 4 Terrain Line NB,4,2,0,0
98751.94,9781.6,23.5,23.5, 801.8N
98738.99,9846.39,23,23, 802.4N
Barrier 5 Building NB,5,2,0,0
98885.39,9492.49,20.6,30.59, 796.5N
98877.76,9506.2518,20.6,30.6, 796.75N
Barrier 6 Building NB,6,2,0,0
98871.58,9513.26,20.6,30.6, 798.8N
98862.58,9539.57,20.9,30.9, 799.1N
Barrier 7 Building NB,7,2,0,0
98850.22,9568.48,21.5,35.5, 799.4N
98826.65,9617.18,21.5,35.5, 799.95N
Barrier 8 Center Divider Jersey Barrier,8,2,0,0
98912.1,8918.53,9.7,10.7, 793C
98907.11,9018.18,6.65,7.65, 794C
98903.75,9117.66,5.6,6.6, 795C
98898.07,9217.63,7.4,8.4, 796C
Barrier 9 Center Divider Jersey Barrier,9,2,0,0
98898.07,9217.63,7.4,8.4, 796C
98880.22,9316.36,8.83,9.83, 797C
98846.47,9409.73,10.22,11.22, 798C
98803.14,9500.35,11.26,12.26, 799C
98760.44,9590.55,12.6,13.6, 800C
98717.84,9680.98,13.7,14.7, 801C
98674.58,9771.58,14.87,15.87, 802C
98632.8,9862.29,15.8,16.8, 803C
98589.76,9952.35,17.74,18.74, 804C
Barrier 10 Soundwall 4 SB,10,2,0,0
98736.27,9253.15,16.65,16.65, 797S
98834.45,9265.54,19.87,19.87, 796.75S
98834.45,9265.54,19.87,19.87, 796.75S
98821.84,9327.75,19.05,19.05, 797.4S
98801.53,9408.09,17.26,17.26, 798.2S

98776.30,9462.12,15.3,15.3, 798.75S
98733.49,9551.23,16,16,799.75
98723.10,9569.28,20.2,20.2, 799.95S
Barrier 11 Soundwall 3 SB,11,2,0,0
98723.10,9569.28,20.2,20.2, 799.95S
98715.56,9581.51,19.4,19.4, 800.1S
98715.56,9581.51,19.4,19.4, 800.1S
98658.40,9681.11,19,19, 801.2S
98658.40,9681.11,19,20.83, 801.2S
98646.57,9701.96,18.81,20.64, 801.5S
98614.83,9740.99,19.61,21.44, 802S
98614.83,9740.99,19.61,19.61, 802S
98587.41,9770.35,20.3,20.3, 802.4S
Barrier 12 Building SB,12,2,0,0
98817.68,9277.80,19.8,29.8, 796.8S
98812.87,9329.21,19.8,29.8, 797.4S
98785.39,9306.21,19.9,29.9, 797.2S
98755.88,9327.71,19,29, 797.4S
Barrier 13 Building SB,13,2,0,0
98808.70,9348.70,25,35, 797.5S
98802.44,9374.46,25,35, 797.9S
Barrier 14 Building SB,14,2,0,0
98638.17,9680.59,19.7,25.7,801.35
98630.83,9685.84,19.7,25.7,801.4
98630.83,9685.84,19.7,25.7,801.4
98622.65,9673.01,19.7,25.7,801.35
98622.65,9673.01,19.7,25.7,801.35
98618.08,9681.46,19.7,25.7,801.4
Barrier 15 Building SB,15,2,0,0
98680.63,9604.95,19,29, 800.4S
98660.16,9648.21,19,29, 800.95S
Barrier 16 Terrain Line SB,16,2,0,0
98821.84,9327.75,19.05,19.05, 797.4S
98771.71,9457.4,21.2,21.2, 798.75S
98771.71,9457.4,19.4,20.62, 798.75S
98739.16,9524.35,19.3,20.52, 799.45S
98739.16,9524.35,19.3,19.3, 799.45S
98719.18,9567.27,19.29,19.29, 799.9S
Barrier 17 Building SB,17,2,0,0
98776.70,9410.91,19.3,29.3, 789.2S
98766.35,9442.43,19.3,29.3, 798.7S
Barrier 18 Building SB,18,2,0,0
98734.38,9436.49,19.2,29.2,798.75
98733.27,9460.64,19.6,29.6,798.95
98733.27,9460.64,19.6,19.6,798.95
98738.26,9471.00,19.7,19.7, 799S
98738.26,9471.00,19.7,29.7, 799S
98720.37,9503.72,19.7,29.7, 799.3S
98720.37,9503.72,19.7,19.7, 799.3S
98711.66,9507.10,19,19,799.5
98711.66,9507.10,19,29,799.5
98675.85,9505.86,18.95,28.95,799.6
Barrier 19 Building SB,19,2,0,0
98656.63,9659.85,19.2,29.2, 801.1S
98650.26,9672.51,19.2,29.2, 801.15S
Barrier 20 Building SB,20,2,0,0

98622.77,9716.28,19.6,29.6, 801.75S
98617.48,9734,19.6,29.6, 801.95S
R 16.8,1,55,1
98605.9,9734.17,21.2, R16.8
R 16.9,2,55,2
98595.63,9722.51,21.2, R16.9
R 16.10,3,55,2
98647.01,9687.98,20.5, LT16.2-R10
R 16.11,4,55,3
98608.36,9648.24,21.1, R16.11
R 16.12,5,55,12
98657.33,9614.44,21, R16.12
R 16.13,6,55,7
98694.1544,9606.876,20.2, R16.13
R 16.14,7,55,3
98730.14,9518.31,20.9, R16.14
R16.15,8,55,27
98713.15,9478.36,19.5, R16.15
R 16.16,9,55,14
98753.61,9425.12,20.5, R16.16
R 16.17,10,55,14
98787.78,9391.95,21.9, ST16.1/CAL
R 16.18,11,55,16
98777.12,9356.76,26.5, R16.18
R 16.19,12,55,15
98793.58,9275.54,21.3, R16.19
D,4.5
ALL,1,2,3,4,5,6,7,8,9,10,11
K,0
All, All

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGMENT 16 CANNON RD TO TAMARACK AVE. FUTURE NO BARRIER - SOUTH BOUND

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	0.*							B2.797+0	308.9	
2	-	0.*							B2.796+0	320.9	
3	-	0.*							B2.795+0	328.0	
4	-	0.*							B2.794+0	136.0	
5	-	2.*							B2.793+5	3.3	
6	-	3.*							B2.793+5	188.3	
7	-	0.*							794N	323.6	
8	-	0.*							795N	336.2	
9	-	0.*							796N	347.3	
10	-	0.*							797N	287.0	
11	-	0.*							797.9N	19.3	
12	-	0.*							797.9N	74.5	
13	-	0.*							798.05	79.9	
14	-	0.*							798.3	82.8	
15	-	0.*							798.5N	253.4	
16	-	0.*							799.3N	238.7	
17	-	0.*							800N	48.4	
18	-	0.*							800.15N	.0	
19	-	0.*							800.15N	261.9	
20	-	0.*							801N	266.6	
21	-	0.*							801.8N	216.7	
22	-	33.*							796.5N	51.7	
23	-	33.*							798.8N	91.2	
24	-	46.*							799.4N	177.4	
25	-	3.*							793C	327.5	
26	-	3.*							794C	326.6	
27	-	3.*							795C	328.6	
28	-	3.*							796C	329.2	
29	-	3.*							797C	325.8	
30	-	3.*							798C	329.5	
31	-	3.*							799C	327.5	
32	-	3.*							800C	327.9	
33	-	3.*							801C	329.5	
34	-	3.*							802C	327.7	

35	-	3.*	803C	327.6
36	-	0.*	797S	324.8
37	-	0.*	796.75S	.0
38	-	0.*	796.75S	208.3
39	-	0.*	797.4S	271.9
40	-	0.*	798.2S	195.8
41	-	0.*	798.75S	324.4
42	-	0.*	799.75	69.7
43	-	0.*	799.95S	47.2
44	-	0.*	800.1S	.0
45	-	0.*	800.1S	376.8
46	-	3.*	801.2S	6.0
47	-	6.*	801.2S	78.6
48	-	6.*	801.5S	165.0
49	-	3.*	802S	6.0
50	-	0.*	802S	131.9
51	-	33.*	796.8S	169.3
52	-	33.*	797.4S	117.6
53	-	33.*	797.2S	119.8
54	-	33.*	797.5S	87.0
55	-	20.*	801.35	29.5
56	-	20.*	801.4	.0
57	-	20.*	801.4	50.0
58	-	20.*	801.35	.0
59	-	20.*	801.35	31.5
60	-	33.*	800.4S	157.0
61	-	0.*	797.4S	456.0
62	-	2.*	798.75S	1.9
63	-	4.*	798.75S	244.3
64	-	2.*	799.45S	4.0
65	-	0.*	799.45S	155.3
66	-	33.*	789.2S	108.8
67	-	33.*	798.75	79.3
68	-	16.*	798.95	32.8
69	-	0.*	798.95	37.7
70	-	16.*	799S	32.8
71	-	33.*	799S	122.4
72	-	16.*	799.3S	32.8
73	-	0.*	799.3S	30.7
74	-	16.*	799.5	32.8
75	-	33.*	799.5	117.6
76	-	33.*	801.1S	46.6
77	-	33.*	801.75S	60.6

---

0 1 2 3 4 5 6 7

1

REC	REC ID	DNL	PEOPLE	LEQ(CAL)
1	R16.8	67.	500.	74.0
2	R16.9	67.	500.	71.5
3	LT16.2-	67.	500.	75.0
4	R16.11	67.	500.	66.7
5	R16.12	67.	500.	66.9
6	R16.13	67.	500.	77.6
7	R16.14	67.	500.	74.8
8	R16.15	67.	500.	63.7
9	R16.16	67.	500.	67.0
10	ST16.1/	67.	500.	75.2
11	R16.18	67.	500.	70.6
12	R16.19	67.	500.	71.2

BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1

CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION

0. 0. 0. 0. 2. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.33.33.46. 3.
3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 6. 6. 3. 0.
33.33.33.33.20.20.20.20.20.33. 0. 2. 4. 2. 0.33.33.16. 0.16.33.16. 0.16.33.
33.33.

Roadway Segment 16 Cannon Rd to Tamarack Ave.- Design File - North Bound
T RW Seg 16NB Truck,1
4765,65,166,65,469,65
T RW Seg 16NB Car,2
5234,65,166,65,0,0
T RW Seg 16NB HOV,3
3000,65,0,0,0,0
T RW Seg 16NB Tamarack Off ramp,4
1900,45,48,45,52,45
T RW Seg 16SB Truck,5
4765,65,166,65,469,65
T RW Seg 16SB Car,6
5234,65,166,65,0,0
T RW Seg 16SB HOV,7
3000,65,0,0,0,0
T RW Seg 16SB Tamarack On Ramp,8
1900,45,48,45,52,45
L I-5 Seg 16NB Truck,1
N,98946.96,8917.56,9.4,793+00
N,98940.51,9019.44,6.0,794+00
N,98934.20,9119.10,5.6,795+00
N,98927.34,9220.55,8.3,796+00
N,98907.82,9323.51,9.8,797+00
N,98871.77,9421.03,10.5, Sta.798
N,98827.57,9511.87,11.0, Sta.799
N,98785.79,9602.28,12.0, Sta.800
N,98742.27,9692.62,13.5, Sta.801
N,98698.28,9782.31,14.8, Sta.802
N,98654.69,9872.56,15.0, Sta.803
N,98613.18,9962.77,17.6, Sta.804
L I-5 Seg 16NB Cars,2
N,98938.13,8919.01,9.5,793+00
N,98931.59,9019.04,6.0,794+00
N,98925.60,9118.35,5.6,795+00
N,98918.61,9219.90,8.0,796+00
Y,98899.24,9320.75,9.5,797+00
Y,98863.42,9417.36,10.5, Sta.798
N,98819.68,9507.99,11.0, Sta.799
N,98777.99,9598.67,12.5, Sta.800
N,98733.44,9688.76,13.8, Sta.801
N,98690.03,9778.24,15.0, Sta.802
N,98648.69,9869.67,15.8, Sta.803
N,98605.40,9958.79,17.7, Sta.804
L I-5 Seg 16NB HOV,3,
N,98928.14,8919.04,9.5,793+00
N,98921.71,9019.10,6.5,794+00
N,98915.34,9118.48,5.6,795+00
N,98908.53,9219.01,7.5,796+00
N,98889.64,9318.37,8.9,797+00
N,98855.59,9413.70,10.2, Sta.798
N,98812.85,9504.63,11.3, Sta.799
N,98770.52,9593.66,12.6, Sta.800
N,98727.15,9685.40,13.7, Sta.801
N,98684.85,9774.90,14.9, Sta.802
N,98639.88,9865.24,16.0, Sta.803
N,98597.42,9955.39,17.7, Sta.804

L I-5 Seg 16NB Off Ramp to Tamarack,4
N,98850.17,9474.21,10.6,L2.798+55
N,98820.98,9552.56,11.2,L2.799+40
Y,98800.10,9608.61,11.9,L2.800+00
Y,98765.14,9702.44,15.3,L2.801+00
Y,98733.91,9797.27,21.7,L2.802+00
N,98721.22,9842.70,22.9,L2.802+47
L I-5 Seg 16SB Truck,5
N,98566.78,9941.43,17.5, Sta.804
N,98610.75,9850.65,15.8, Sta.803
N,98650.81,9761.09,14.5, Sta.802
N,98693.53,9670.21,13.5, Sta.801
N,98735.87,9579.3,12.0, Sta.800
N,98778.66,9488.51,11.0, Sta.799
N,98821.45,9398.25,8.5, Sta.798
N,98853.17,9308.43,7.4,797+00,
N,98869.91,9213.88,5.8,796+00,
N,98872.97,9116.56,5.6,795+00,
Y,98874.59,9016.69,6.2,794+00,
N,98876.22,8916.83,9.3,793+00,
L I-5 Seg 16SB Cars,6
N,98574.38,9945.01,17.7, Sta.804
N,98616.93,9854.16,15.8, Sta.803
N,98659.70,9765.27,14.8, Sta.802
N,98701.23,9673.82,13.5, Sta.801
N,98743.93,9582.87,12.5, Sta.800
N,98787.10,9492.86,11.0, Sta.799
N,98829.98,9402.23,9.0, Sta.798
N,98861.96,9310.82,7.9,797+00
N,98878.95,9214.63,6.3,796+00
N,98881.80,9116.48,5.6,795+00
N,98883.53,9017.29,6.4,794+00
N,98884.96,8916.44,9.5,793+00
L I-5 Seg 16SB HOV,7
N,98582.75,9949.08,17.7, Sta.804
N,98625.90,9858.5,15.8, Sta.803
N,98667.59,9768.29,15.0, Sta.802
N,98709.58,9677.59,14.0, Sta.801
N,98753.19,9587.53,12.5, Sta.800
N,98796.03,9497.29,11.0, Sta.799
N,98838.12,9405.96,9.5, Sta.798
N,98871.40,9313.91,8.4,797+00
N,98888.59,9216.85,6.8,796+00
N,98891.92,9117.77,5.6,795+00
N,98893.44,9017.49,6.6,794+00
N,98894.97,8917.22,9.6,793+00
L I-5 Seg 16SB On Ramp from Tamarack Ave,8
N,98600.94,9773.98,21,L1.802+38
N,98637.03,9729.76,18.2,L1.801+80
N,98669.08,9679.39,14.3,L1.801+20
N,98708.88,9609.92,12.5,L1.800+40
N,98748.50,9540.78,11.5,L1.799+60
N,98784.20,9468.90,10.5,L1.798+80
Barrier 1 Soundwall 1 NB, 1, 2, 0, 0
98936.4, 9221.54, 8.00, 12.27, 796N
98915.96, 9325.4, 10.00, 14.27, 797N

98888, 9408.26, 10.50, 14.77, 797.9N
98871.57, 9445.7, 10.75, 15.02, 798.25N
Barrier 2 Soundwall 2 NB, 2, 2, 0, 0
98886.74, 9431.63, 16.00, 21.0, 798.05N
98884.93, 9437.07, 17.06, 21.94, 798.10N
98879.53, 9454.63, 19.50, 21.94, 798.3N
98870.38, 9478.11, 20.10, 22.54, 798.5N
98842.6, 9550.19, 20.80, 23.24, 799.3N
98816.04, 9617.91, 21.80, 24.24, 800N
Barrier 3 Soundwall 3 NB, 3, 2, 0, 0
98810.63, 9631.62, 21.5, 23.94, 800.15N
98781.07, 9705.75, 22.5, 24.94, 801N
98751.94, 9781.6, 23.5, 25.94, 801.8N
Barrier 4 Terrain Line NB, 4, 2, 0, 0
98751.94, 9781.6, 23.5, 23.50, 801.8N
98738.99, 9846.39, 23.0, 23.00, 802.4N
Barrier 5 Building NB, 5, 2, 0, 0
98885.39, 9492.49, 20.6, 30.59, 796.5N
98877.76, 9506.2518, 20.6, 30.60, 796.75N
Barrier 6 Building NB, 6, 2, 0, 0
98871.58, 9513.26, 20.6, 30.60, 798.8N
98862.58, 9539.57, 20.9, 30.90, 799.1N
Barrier 7 Building NB, 7, 2, 0, 0
98850.22, 9568.48, 21.5, 35.50, 799.4N
98826.65, 9617.18, 21.5, 35.50, 799.95N
Barrier 8 Center Divider Jersey Barrier, 8, 2, 0, 0
98912.1, 8918.53, 9.70, 10.70, 793C
98907.11, 9018.18, 6.65, 7.65, 794C
98903.75, 9117.66, 5.60, 6.60, 795C
98898.07, 9217.63, 7.40, 8.40, 796C
Barrier 9 Center Divider Jersey Barrier, 9, 2, 0, 0
98898.07, 9217.63, 7.40, 8.40, 796C
98880.22, 9316.36, 8.83, 9.83, 797C
98846.47, 9409.73, 10.22, 11.22, 798C
98803.14, 9500.35, 11.26, 12.26, 799C
98760.44, 9590.55, 12.60, 13.60, 800C
98717.84, 9680.98, 13.70, 14.70, 801C
98674.58, 9771.58, 14.87, 15.87, 802C
98632.8, 9862.29, 15.80, 16.80, 803C
98589.76, 9952.35, 17.74, 18.74, 804C
Barrier 10 Terrain Line Bridge Edge, 10, 2, 0, 0
98949.22, 8919.02, 9.20, 10.20, 793N
98947.19, 8976.94, 7.50, 8.50, 793.55N
98947.19, 8976.94, 7.50, 7.50, 793.55N
98945.38, 9020.66, 6.29, 6.29, 794N
98940.26, 9119.16, 5.50, 5.50, 795N
98936.4, 9221.54, 8.00, 8.00, 796N
Barrier 11 Terrain Line, 11, 2, 0, 0
98888, 9408.26, 10.50, 10.50, 797.9N
98893.32, 9410.26, 12.00, 12.00, 797.9N
98886.74, 9431.63, 16.00, 16.00, 798.05N
Barrier 12 Terrain Line, 12, 2, 0, 0
98816.04, 9617.91, 21.80, 21.80, 800N
98810.63, 9631.62, 21.5, 21.50, 800.15N
R 16.1,1,55,1
98976.46,9319.16,2.5, R16.1

R 16.2,2,55,1
98984.94,9404.18,13.5, R16.2
R 16.3,3,55,2
98885.11,9439.81,21, LT16.1-R3
R 16.4,4,55,20
98885.44,9524.84,23.4, R16.4
R 16.5,5,55,37
98848.62,9597.27,23.2, R16.5
R 16.6,6,55,44
98789.7,9697.72,24.4, ST16.2-R6
R 16.7,7,55,44
98776.1858,9726.8125,24.1, R16.7
R 16.3A,8,55,2
98876.98,9487.52,20.1, R16.3A
R 16.4A,9,55,20
98837.04,9576.3,22.74, R16.4A
D,4.5
ALL,2,3,4,5,6,7,8,9
K,0
All, All
K,1.8
All,6,7

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGMENT 16 CANNON RD TO TAMARACK AVE. DESIGN FILE - NORTH BOUND

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	14.*							796N	347.3	
2	-	14.*							797N	287.0	
3	-	14.*							797.9N	134.1	
4	-	16.*							798.05N	19.0	
5	-	12.*							798.10N	60.3	
6	-	8.*							798.3N	82.8	
7	-	8.*							798.5N	253.4	
8	-	8.*							799.3N	238.7	
9	-	8.*							800.15N	261.9	
10	-	8.*							801N	266.6	
11	-	0.*							801.8N	216.7	
12	-	33.*							796.5N	51.7	
13	-	33.*							798.8N	91.2	
14	-	46.*							799.4N	177.4	
15	-	3.*							793C	327.5	
16	-	3.*							794C	326.6	
17	-	3.*							795C	328.6	
18	-	3.*							796C	329.2	
19	-	3.*							797C	325.8	
20	-	3.*							798C	329.5	
21	-	3.*							799C	327.5	
22	-	3.*							800C	327.9	
23	-	3.*							801C	329.5	
24	-	3.*							802C	327.7	
25	-	3.*							803C	327.6	
26	-	3.*							793N	190.2	
27	-	2.*							793.55N	3.3	
28	-	0.*							793.55N	143.6	
29	-	0.*							794N	323.6	
30	-	0.*							795N	336.2	
31	-	0.*							797.9N	19.3	
32	-	0.*							797.9N	74.5	

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33    -  0.*                          800N       48.4
-------------------------------------------------------------------------------
      0   1   2   3   4   5   6   7
1
 REC REC ID    DNL  PEOPLE   LEQ(CAL)
 -------------------------------
  1  R16.1    67.   500.   66.4
  2  R16.2    67.   500.   65.8
  3  LT16.1-  67.    500.   70.5
  4  R16.4    67.   500.   66.3
  5  R16.5    67.   500.   64.6
  6  ST16.2-  67.    500.   74.0
  7  R16.7    67.   500.   71.2
  8  R16.3A   67.    500.   67.1
  9  R16.4A   67.    500.   70.6
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
14.14.14.16.12. 8. 8. 8. 8. 8. 0.33.33.46. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
 3. 2. 0. 0. 0. 0. 0. 0.
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Roadway Segment 16 Cannon Rd to Tamarack Ave. - Design File - South Bound
T RW Seg 16NB Truck,1
4765,65,166,65,469,65
T RW Seg 16NB Car,2
5234,65,166,65,0,0
T RW Seg 16NB HOV,3
3000,65,0,0,0,0
T RW Seg 16NB Tamarack Off ramp,4
1900,45,48,45,52,45
T RW Seg 16SB Truck,5
4765,65,166,65,469,65
T RW Seg 16SB Car,6
5234,65,166,65,0,0
T RW Seg 16SB HOV,7
3000,65,0,0,0,0
T RW Seg 16SB Tamarack On Ramp,8
1900,45,48,45,52,45
L I-5 Seg 16NB Truck,1
N,98946.96,8917.56,9.4,793+00
N,98940.51,9019.44,6.0,794+00
N,98934.20,9119.10,5.6,795+00
N,98927.34,9220.55,8.3,796+00
N,98907.82,9323.51,9.8,797+00
N,98871.77,9421.03,10.5, Sta.798
N,98827.57,9511.87,11.0, Sta.799
N,98785.79,9602.28,12.0, Sta.800
N,98742.27,9692.62,13.5, Sta.801
N,98698.28,9782.31,14.8, Sta.802
N,98654.69,9872.56,15.0, Sta.803
N,98613.18,9962.77,17.6, Sta.804
L I-5 Seg 16NB Cars,2
N,98938.13,8919.01,9.5,793+00
N,98931.59,9019.04,6.0,794+00
N,98925.60,9118.35,5.6,795+00
N,98918.61,9219.90,8.0,796+00
Y,98899.24,9320.75,9.5,797+00
Y,98863.42,9417.36,10.5, Sta.798
N,98819.68,9507.99,11.0, Sta.799
N,98777.99,9598.67,12.5, Sta.800
N,98733.44,9688.76,13.8, Sta.801
N,98690.03,9778.24,15.0, Sta.802
N,98648.69,9869.67,15.8, Sta.803
N,98605.40,9958.79,17.7, Sta.804
L I-5 Seg 16NB HOV,3
N,98928.14,8919.04,9.5,793+00
N,98921.71,9019.10,6.5,794+00
N,98915.34,9118.48,5.6,795+00
N,98908.53,9219.01,7.5,796+00
N,98889.64,9318.37,8.9,797+00
N,98855.59,9413.70,10.2, Sta.798
N,98812.85,9504.63,11.3, Sta.799
N,98770.52,9593.66,12.6, Sta.800
N,98727.15,9685.40,13.7, Sta.801
N,98684.85,9774.90,14.9, Sta.802
N,98639.88,9865.24,16.0, Sta.803
N,98597.42,9955.39,17.7, Sta.804

L I-5 Seg 16NB Off Ramp to Tamarack,4
N,98850.17,9474.21,10.6,L2.798+55
N,98820.98,9552.56,11.2,L2.799+40
Y,98800.10,9608.61,11.9,L2.800+00
Y,98765.14,9702.44,15.3,L2.801+00
Y,98733.91,9797.27,21.7,L2.802+00
N,98721.22,9842.70,22.9,L2.802+47
L I-5 Seg 16SB Truck,5
N,98566.78,9941.43,17.5, Sta.804
N,98610.75,9850.65,15.8, Sta.803
N,98650.81,9761.09,14.5, Sta.802
N,98693.53,9670.21,13.5, Sta.801
N,98735.87,9579.3,12.0, Sta.800
N,98778.66,9488.51,11.0, Sta.799
N,98821.45,9398.25,8.5, Sta.798
N,98853.17,9308.43,7.4,797+00
N,98869.91,9213.88,5.8,796+00
N,98872.97,9116.56,5.6,795+00
Y,98874.59,9016.69,6.2,794+00
N,98876.22,8916.83,9.3,793+00
L I-5 Seg 16SB Cars,6
N,98574.38,9945.01,17.7, Sta.804
N,98616.93,9854.16,15.8, Sta.803
N,98659.70,9765.27,14.8, Sta.802
N,98701.23,9673.82,13.5, Sta.801
N,98743.93,9582.87,12.5, Sta.800
N,98787.10,9492.86,11.0, Sta.799
N,98829.98,9402.23,9.0, Sta.798
N,98861.96,9310.82,7.9,797+00
N,98878.95,9214.63,6.3,796+00
N,98881.80,9116.48,5.6,795+00
N,98883.53,9017.29,6.4,794+00
N,98884.96,8916.44,9.5,793+00
L I-5 Seg 16SB HOV,7
N,98582.75,9949.08,17.7, Sta.804
N,98625.90,9858.5,15.8, Sta.803
N,98667.59,9768.29,15.0, Sta.802
N,98709.58,9677.59,14.0, Sta.801
N,98753.19,9587.53,12.5, Sta.800
N,98796.03,9497.29,11.0, Sta.799
N,98838.12,9405.96,9.5, Sta.798
N,98871.40,9313.91,8.4,797+00
N,98888.59,9216.85,6.8,796+00
N,98891.92,9117.77,5.6,795+00
N,98893.44,9017.49,6.6,794+00
N,98894.97,8917.22,9.6,793+00
L I-5 Seg 16SB On Ramp from Tamarack Ave,8
N,98600.94,9773.98,21,L1.802+38
N,98637.03,9729.76,18.2,L1.801+80
N,98669.08,9679.39,14.3,L1.801+20
N,98708.88,9609.92,12.5,L1.800+40
N,98748.50,9540.78,11.5,L1.799+60
N,98784.20,9468.90,10.5,L1.798+80
Barrier 1 Soundwall 4 SB, 1, 2, 2, 3
98736.27, 9253.15, 16.65, 19.09, 797S
98834.45, 9265.54, 19.87, 22.31, 796.75S

98834.45, 9265.54, 19.87, 22.92, 796.75S
98818.71, 9335.85, 19.05, 22.1, 797.4S
98771.71, 9457.40, 19.40, 22.45, 798.75S
98739.16, 9524.35, 19.30, 22.35, 799.45S
98719.18, 9567.27, 19.29, 22.34, 799.9S
Barrier 2 Soundwall 3 SB, 2, 2, 2, 3
98715.56, 9581.51, 19.40, 21.84, 800.1S
98658.4, 9681.11, 19.00, 21.44, 801.2S
98658.4, 9681.11, 19.00, 22.048, 801.2S
98646.57, 9701.96, 18.81, 21.858, 801.5S
98614.83, 9740.99, 19.61, 22.658, 802S
98589.49, 9762.57, 20.00, 23.048, 802.3S
Barrier 3 Building SB, 3, 2, 0, 0
98817.68, 9277.8, 19.80, 29.80, 796.8S
98812.87, 9329.21, 19.80, 29.80, 797.4S
98785.39, 9306.21, 19.90, 29.90, 797.2S
98755.88, 9327.71, 19.00, 29.00, 797.4S
Barrier 4 Building SB, 4, 2, 0, 0
98808.7, 9348.7, 25.00, 35.00, 797.5S
98802.44, 9374.46, 25.00, 35.00, 797.9S
Barrier 5 Building SB, 5, 2, 0, 0
98638.1747, 9680.5904, 19.7, 25.70, 801.35
98630.8258, 9685.8371, 19.7, 25.70, 801.4
98630.8258, 9685.8371, 19.7, 25.70, 801.4
98622.6503, 9673.0083, 19.7, 25.70, 801.35
98622.6503, 9673.0083, 19.7, 25.70, 801.35
98618.0833, 9681.4628, 19.7, 25.70, 801.4
Barrier 6 Building SB, 6, 2, 0, 0
98680.63, 9604.95, 19.00, 29.00, 800.4S
98660.16, 9648.21, 19.00, 29.00, 800.95S
Barrier 7 Building SB, 7, 2, 0, 0
98776.7, 9410.91, 19.30, 29.30, 789.2S
98766.35, 9442.43, 19.30, 29.30, 798.7S
Barrier 8 Building SB, 8, 2, 0, 0
98734.38, 9436.49, 19.2, 29.20, 798.75
98733.27, 9460.64, 19.6, 29.60, 798.95
98733.27, 9460.64, 19.6, 19.60, 798.95
98738.26, 9471, 19.70, 19.70, 799S
98738.26, 9471, 19.70, 29.70, 799S
98720.37, 9503.72, 19.70, 29.70, 799.3S
98720.37, 9503.72, 19.70, 19.70, 799.3S
98711.66, 9507.1, 19.00, 19.00, 799.5
98711.66, 9507.1, 19.00, 29.00, 799.5
98675.85, 9505.86, 18.95, 28.95, 799.6
Barrier 9 Building SB, 9, 2, 0, 0
98656.63, 9659.85, 19.20, 29.20, 801.1S
98650.26, 9672.51, 19.20, 29.20, 801.15S
Barrier 10 Building SB, 10, 2, 0, 0
98622.77, 9716.28, 19.60, 29.60, 801.75S
98617.48, 9734, 19.60, 29.60, 801.95S
Barrier 11 Terrain Line SB, 11, 2, 0, 0
98719.18, 9567.27, 19.29, 22.34, 799.9S
98715.56, 9581.51, 19.40, 19.40, 800.1S
Barrier 112 Terrain Line SB, 12, 2, 0, 0
98589.49, 9762.57, 20.00, 20.00, 802.3ST
98587.41, 9770.35, 20.30, 20.30, 802.4ST

Barrier 13 Center Divider Jersey Barrier, 13, 2, 0, 0
98912.1, 8918.53, 9.70, 10.70, 793C
98907.11, 9018.18, 6.65, 7.65, 794C
98903.75, 9117.66, 5.60, 6.60, 795C
98898.07, 9217.63, 7.40, 8.40, 796C
Barrier 14 Center Divider Jersey Barrier, 14, 2, 0, 0
98898.07, 9217.63, 7.40, 8.40, 796C
98880.22, 9316.36, 8.83, 9.83, 797C
98846.47, 9409.73, 10.22, 11.22, 798C
98803.14, 9500.35, 11.26, 12.26, 799C
98760.44, 9590.55, 12.60, 13.60, 800C
98717.84, 9680.98, 13.70, 14.70, 801C
98674.58, 9771.58, 14.87, 15.87, 802C
98632.8, 9862.29, 15.80, 16.80, 803C
98589.76, 9952.35, 17.74, 18.74, 804C
B2 Bridge saftey Barrier,15,2,0,0
98842.91,9305.67,7,7,B2.797+00
98859.08,9212.91,6.25,6.25,B2.796+00
98862.18,9115.16,5.6,5.6,B2.795+00
98863.74,9015.20,5.8,5.8,B2.794+00
98864.34,8973.76,7.4,7.4,B2.793+55
98864.34,8973.76,7.4,8.4,B2.793+55
98865.25,8916.41,9.2,10.2,B2.793+00
R 16.8,1,55,1
98605.9,9734.17,21.2, R16.8
R 16.9,2,55,2
98595.63,9722.51,21.2, R16.9
R 16.10,3,55,2
98647.01,9687.98,20.5, LT16.2-R10
R 16.11,4,55,3
98608.36,9648.24,21.1, R16.11
R 16.12,5,55,12
98657.33,9614.44,21, R16.12
R 16.13,6,55,7
98694.1544,9606.876,20.2, R16.13
R 16.14,7,55,3
98730.14,9518.31,20.9, R16.14
R16.15,8,55,27
98713.15,9478.36,19.5, R16.15
R 16.16,9,55,14
98753.61,9425.12,20.5, R16.16
R 16.17,10,55,14
98787.78,9391.95,21.9, ST16.1/CAL
R 16.18,11,55,16
98777.12,9356.76,26.5, R16.18
R 16.19,12,55,15
98793.58,9275.54,21.3, R16.19
D,4.5
ALL,1,2,3,4,5,6,7,8,9,10,11
K,0
All, All

Roadway Segment 16 Cannon Rd to Tamarack Ave. - Design File - South Bound
T RW Seg 16NB Truck,1
4765,65,166,65,469,65
T RW Seg 16NB Car,2
5234,65,166,65,0,0
T RW Seg 16NB HOV,3
3000,65,0,0,0,0
T RW Seg 16NB Tamarack Off ramp,4
1900,45,48,45,52,45
T RW Seg 16SB Truck,5
4765,65,166,65,469,65
T RW Seg 16SB Car,6
5234,65,166,65,0,0
T RW Seg 16SB HOV,7
3000,65,0,0,0,0
T RW Seg 16SB Tamarack On Ramp,8
1900,45,48,45,52,45
L I-5 Seg 16NB Truck,1
N,98946.96,8917.56,9.4,793+00
N,98940.51,9019.44,6.0,794+00
N,98934.20,9119.10,5.6,795+00
N,98927.34,9220.55,8.3,796+00
N,98907.82,9323.51,9.8,797+00
N,98871.77,9421.03,10.5, Sta.798
N,98827.57,9511.87,11.0, Sta.799
N,98785.79,9602.28,12.0, Sta.800
N,98742.27,9692.62,13.5, Sta.801
N,98698.28,9782.31,14.8, Sta.802
N,98654.69,9872.56,15.0, Sta.803
N,98613.18,9962.77,17.6, Sta.804
L I-5 Seg 16NB Cars,2
N,98938.13,8919.01,9.5,793+00
N,98931.59,9019.04,6.0,794+00
N,98925.60,9118.35,5.6,795+00
N,98918.61,9219.90,8.0,796+00
Y,98899.24,9320.75,9.5,797+00
Y,98863.42,9417.36,10.5, Sta.798
N,98819.68,9507.99,11.0, Sta.799
N,98777.99,9598.67,12.5, Sta.800
N,98733.44,9688.76,13.8, Sta.801
N,98690.03,9778.24,15.0, Sta.802
N,98648.69,9869.67,15.8, Sta.803
N,98605.40,9958.79,17.7, Sta.804
L I-5 Seg 16NB HOV,3
N,98928.14,8919.04,9.5,793+00
N,98921.71,9019.10,6.5,794+00
N,98915.34,9118.48,5.6,795+00
N,98908.53,9219.01,7.5,796+00
N,98889.64,9318.37,8.9,797+00
N,98855.59,9413.70,10.2, Sta.798
N,98812.85,9504.63,11.3, Sta.799
N,98770.52,9593.66,12.6, Sta.800
N,98727.15,9685.40,13.7, Sta.801
N,98684.85,9774.90,14.9, Sta.802
N,98639.88,9865.24,16.0, Sta.803
N,98597.42,9955.39,17.7, Sta.804

L I-5 Seg 16NB Off Ramp to Tamarack,4
N,98850.17,9474.21,10.6,L2.798+55
N,98820.98,9552.56,11.2,L2.799+40
Y,98800.10,9608.61,11.9,L2.800+00
Y,98765.14,9702.44,15.3,L2.801+00
Y,98733.91,9797.27,21.7,L2.802+00
N,98721.22,9842.70,22.9,L2.802+47
L I-5 Seg 16SB Truck,5
N,98566.78,9941.43,17.5, Sta.804
N,98610.75,9850.65,15.8, Sta.803
N,98650.81,9761.09,14.5, Sta.802
N,98693.53,9670.21,13.5, Sta.801
N,98735.87,9579.3,12.0, Sta.800
N,98778.66,9488.51,11.0, Sta.799
N,98821.45,9398.25,8.5, Sta.798
N,98853.17,9308.43,7.4,797+00
N,98869.91,9213.88,5.8,796+00
N,98872.97,9116.56,5.6,795+00
Y,98874.59,9016.69,6.2,794+00
N,98876.22,8916.83,9.3,793+00
L I-5 Seg 16SB Cars,6
N,98574.38,9945.01,17.7, Sta.804
N,98616.93,9854.16,15.8, Sta.803
N,98659.70,9765.27,14.8, Sta.802
N,98701.23,9673.82,13.5, Sta.801
N,98743.93,9582.87,12.5, Sta.800
N,98787.10,9492.86,11.0, Sta.799
N,98829.98,9402.23,9.0, Sta.798
N,98861.96,9310.82,7.9,797+00
N,98878.95,9214.63,6.3,796+00
N,98881.80,9116.48,5.6,795+00
N,98883.53,9017.29,6.4,794+00
N,98884.96,8916.44,9.5,793+00
L I-5 Seg 16SB HOV,7
N,98582.75,9949.08,17.7, Sta.804
N,98625.90,9858.5,15.8, Sta.803
N,98667.59,9768.29,15.0, Sta.802
N,98709.58,9677.59,14.0, Sta.801
N,98753.19,9587.53,12.5, Sta.800
N,98796.03,9497.29,11.0, Sta.799
N,98838.12,9405.96,9.5, Sta.798
N,98871.40,9313.91,8.4,797+00
N,98888.59,9216.85,6.8,796+00
N,98891.92,9117.77,5.6,795+00
N,98893.44,9017.49,6.6,794+00
N,98894.97,8917.22,9.6,793+00
L I-5 Seg 16SB On Ramp from Tamarack Ave,8
N,98600.94,9773.98,21,L1.802+38
N,98637.03,9729.76,18.2,L1.801+80
N,98669.08,9679.39,14.3,L1.801+20
N,98708.88,9609.92,12.5,L1.800+40
N,98748.50,9540.78,11.5,L1.799+60
N,98784.20,9468.90,10.5,L1.798+80
Barrier 1 Soundwall 4 SB, 1, 2, 2, 3
98736.27, 9253.15, 16.65, 19.09, 797S
98834.45, 9265.54, 19.87, 22.31, 796.75S

98834.45, 9265.54, 19.87, 22.92, 796.75S
98818.71, 9335.85, 19.05, 22.1, 797.4S
98771.71, 9457.40, 19.40, 22.45, 798.75S
98739.16, 9524.35, 19.30, 22.35, 799.45S
98719.18, 9567.27, 19.29, 22.34, 799.9S
Barrier 2 Soundwall 3 SB, 2, 2, 2, 3
98715.56, 9581.51, 19.40, 21.84, 800.1S
98658.4, 9681.11, 19.00, 21.44, 801.2S
98658.4, 9681.11, 19.00, 22.048, 801.2S
98646.57, 9701.96, 18.81, 21.858, 801.5S
98614.83, 9740.99, 19.61, 22.658, 802S
98589.49, 9762.57, 20.00, 23.048, 802.3S
Barrier 3 Building SB, 3, 2, 0, 0
98817.68, 9277.8, 19.80, 29.80, 796.8S
98812.87, 9329.21, 19.80, 29.80, 797.4S
98785.39, 9306.21, 19.90, 29.90, 797.2S
98755.88, 9327.71, 19.00, 29.00, 797.4S
Barrier 4 Building SB, 4, 2, 0, 0
98808.7, 9348.7, 25.00, 35.00, 797.5S
98802.44, 9374.46, 25.00, 35.00, 797.9S
Barrier 5 Building SB, 5, 2, 0, 0
98638.1747, 9680.5904, 19.7, 25.70, 801.35
98630.8258, 9685.8371, 19.7, 25.70, 801.4
98630.8258, 9685.8371, 19.7, 25.70, 801.4
98622.6503, 9673.0083, 19.7, 25.70, 801.35
98622.6503, 9673.0083, 19.7, 25.70, 801.35
98618.0833, 9681.4628, 19.7, 25.70, 801.4
Barrier 6 Building SB, 6, 2, 0, 0
98680.63, 9604.95, 19.00, 29.00, 800.4S
98660.16, 9648.21, 19.00, 29.00, 800.95S
Barrier 7 Building SB, 7, 2, 0, 0
98776.7, 9410.91, 19.30, 29.30, 789.2S
98766.35, 9442.43, 19.30, 29.30, 798.7S
Barrier 8 Building SB, 8, 2, 0, 0
98734.38, 9436.49, 19.2, 29.20, 798.75
98733.27, 9460.64, 19.6, 29.60, 798.95
98733.27, 9460.64, 19.6, 19.60, 798.95
98738.26, 9471, 19.70, 19.70, 799S
98738.26, 9471, 19.70, 29.70, 799S
98720.37, 9503.72, 19.70, 29.70, 799.3S
98720.37, 9503.72, 19.70, 19.70, 799.3S
98711.66, 9507.1, 19.00, 19.00, 799.5
98711.66, 9507.1, 19.00, 29.00, 799.5
98675.85, 9505.86, 18.95, 28.95, 799.6
Barrier 9 Building SB, 9, 2, 0, 0
98656.63, 9659.85, 19.20, 29.20, 801.1S
98650.26, 9672.51, 19.20, 29.20, 801.15S
Barrier 10 Building SB, 10, 2, 0, 0
98622.77, 9716.28, 19.60, 29.60, 801.75S
98617.48, 9734, 19.60, 29.60, 801.95S
Barrier 11 Terrain Line SB, 11, 2, 0, 0
98719.18, 9567.27, 19.29, 22.34, 799.9S
98715.56, 9581.51, 19.40, 19.40, 800.1S
Barrier 112 Terrain Line SB, 12, 2, 0, 0
98589.49, 9762.57, 20.00, 20.00, 802.3ST
98587.41, 9770.35, 20.30, 20.30, 802.4ST

Barrier 13 Center Divider Jersey Barrier, 13, 2, 0, 0
98912.1, 8918.53, 9.70, 10.70, 793C
98907.11, 9018.18, 6.65, 7.65, 794C
98903.75, 9117.66, 5.60, 6.60, 795C
98898.07, 9217.63, 7.40, 8.40, 796C
Barrier 14 Center Divider Jersey Barrier, 14, 2, 0, 0
98898.07, 9217.63, 7.40, 8.40, 796C
98880.22, 9316.36, 8.83, 9.83, 797C
98846.47, 9409.73, 10.22, 11.22, 798C
98803.14, 9500.35, 11.26, 12.26, 799C
98760.44, 9590.55, 12.60, 13.60, 800C
98717.84, 9680.98, 13.70, 14.70, 801C
98674.58, 9771.58, 14.87, 15.87, 802C
98632.8, 9862.29, 15.80, 16.80, 803C
98589.76, 9952.35, 17.74, 18.74, 804C
B2 Bridge saftey Barrier,15,2,0,0
98842.91,9305.67,7,7,B2.797+00
98859.08,9212.91,6.25,6.25,B2.796+00
98862.18,9115.16,5.6,5.6,B2.795+00
98863.74,9015.20,5.8,5.8,B2.794+00
98864.34,8973.76,7.4,7.4,B2.793+55
98864.34,8973.76,7.4,8.4,B2.793+55
98865.25,8916.41,9.2,10.2,B2.793+00
R 16.8,1,55,1
98605.9,9734.17,21.2, R16.8
R 16.9,2,55,2
98595.63,9722.51,21.2, R16.9
R 16.10,3,55,2
98647.01,9687.98,20.5, LT16.2-R10
R 16.11,4,55,3
98608.36,9648.24,21.1, R16.11
R 16.12,5,55,12
98657.33,9614.44,21, R16.12
R 16.13,6,55,7
98694.1544,9606.876,20.2, R16.13
R 16.14,7,55,3
98730.14,9518.31,20.9, R16.14
R16.15,8,55,27
98713.15,9478.36,19.5, R16.15
R 16.16,9,55,14
98753.61,9425.12,20.5, R16.16
R 16.17,10,55,14
98787.78,9391.95,21.9, ST16.1/CAL
R 16.18,11,55,16
98777.12,9356.76,26.5, R16.18
R 16.19,12,55,15
98793.58,9275.54,21.3, R16.19
D,4.5
ALL,1,2,3,4,5,6,7,8,9,10,11
K,0
All, All

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGMENT 16 CANNON RD TO TAMARACK AVE. - DESIGN FILE - SOUTH BOUND

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	2.	4.	6.	8.*	10.	12.	14.	797S	324.8	
2	-	3.	5.	7.	9.*	11.	13.	15.	796.75S	2.0	
3	-	4.	6.	8.	10.*	12.	14.	16.	796.75S	236.3	
4	-	4.	6.	8.	10.*	12.	14.	16.	797.4S	427.6	
5	-	4.	6.	8.	10.*	12.	14.	16.	798.75S	244.3	
6	-	4.	6.	8.	10.*	12.	14.	16.	799.45S	155.3	
7	-	2.	4.	6.	8.*	10.	12.	14.	800.1S	376.8	
8	-	3.	5.	7.	9.*	11.	13.	15.	801.2S	2.0	
9	-	4.	6.	8.	10.*	12.	14.	16.	801.2S	78.6	
10	-	4.	6.	8.	10.*	12.	14.	16.	801.5S	165.0	
11	-	4.	6.	8.	10.*	12.	14.	16.	802S	109.3	
12	-	33.*							796.8S	169.3	
13	-	33.*							797.4S	117.6	
14	-	33.*							797.2S	119.8	
15	-	33.*							797.5S	87.0	
16	-	20.*							801.35	29.7	
17	-	20.*							801.4	.0	
18	-	20.*							801.4	49.9	
19	-	20.*							801.35	.0	
20	-	20.*							801.35	31.5	
21	-	33.*							800.4S	157.0	
22	-	33.*							789.2S	108.8	
23	-	33.*							798.75	79.3	
24	-	16.*							798.95	32.8	
25	-	0.*							798.95	37.7	
26	-	16.*							799S	32.8	
27	-	33.*							799S	122.4	
28	-	16.*							799.3S	32.8	
29	-	0.*							799.3S	30.7	
30	-	16.*							799.5	32.8	
31	-	33.*							799.5	117.6	
32	-	33.*							801.1S	46.6	
33	-	33.*							801.75S	60.6	

```
34    -  5.*                      799.9S     49.2

35    -  0.*                      802.3ST    26.5

36    -  3.*                      793C      327.5
37    -  3.*                      794C      326.6
38    -  3.*                      795C      328.6

39    -  3.*                      796C      329.2
40    -  3.*                      797C      325.8
41    -  3.*                      798C      329.5
42    -  3.*                      799C      327.5
43    -  3.*                      800C      327.9
44    -  3.*                      801C      329.5
45    -  3.*                      802C      327.7
46    -  3.*                      803C      327.6

47    -  0.*                     B2.797+0   308.9
48    -  0.*                     B2.796+0   320.9
49    -  0.*                     B2.795+0   328.0
50    -  0.*                     B2.794+0   136.0
51    -  2.*                     B2.793+5     3.3
52    -  3.*                     B2.793+5   188.3
--------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
-------------------------------
 1  R16.8    67.    500.   67.9
 2  R16.9    67.    500.   67.1
 3  LT16.2-  67.    500.   70.3
 4  R16.11   67.    500.   64.3
 5  R16.12   67.    500.   64.8
 6  R16.13   67.    500.   70.1
 7  R16.14   67.    500.   68.8
 8  R16.15   67.    500.   61.8
 9  R16.16   67.    500.   64.7
10   ST16.1/  67.    500.   70.2
11   R16.18   67.    500.   69.1
12   R16.19   67.    500.   66.3
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
 4  4  4  4  4  4  4  4  4  4  4  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 8. 9.10.10.10.10. 8. 9.10.10.10.33.33.33.33.20.20.20.20.20.33.33.33.16. 0.
16.33.16. 0.16.33.33.33. 5. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0.
 2. 3.
```

Roadway Segment 17 NB Tamarack to Carlsbad - No Build - NB
T RW Seg 16NB Car, 1
3269, 65, 86, 65, 245, 65
T RW Seg 16NB Car, 2
3269, 65, 86, 65, 245, 65
T RW Seg 16NB HOV, 3
3514, 65, 86, 65, 0 , 0
T RW Seg 16NB HOV, 4
3514, 65, 86, 65, 0 , 0
T RW Seg 16NB On Ramp from Tamarack, 5
494, 45, 12, 45, 14, 45
T RW Seg 16NB Off Ramp to Carsbad Village, 6
627, 45, 16, 45, 17, 45
T RW Seg 16SB Car, 7
3269, 65, 86, 65, 245, 65
T RW Seg 16SB Car, 8
3269, 65, 86, 65, 245, 65
T RW Seg 16SB HOV, 9
3514, 65, 86, 65, 0 , 0
T RW Seg 16SB HOV, 10
3514, 65, 86, 65, 0 , 0
T RW Seg 16SB Off Ramp to Tamarack, 11
418, 45, 11, 45, 11, 45
T RW Seg 16SB On Ramp from Carlsbad Village, 12
618, 45, 16, 45, 17, 45
L I-5 Seg 17NB Cars, 1
N, 98708.49, 9744.61, 14.3, Sta.801.4
N, 98668.6, 9828.4, 15.3, Sta.802.4
N, 98648.69, 9869.67, 15.8, Sta.803
N, 98605.4, 9958.79, 17.7, Sta.804
N, 98562.45, 10049.94, 20.2, Sta.805
N, 98520.2, 10140.67, 22.7, Sta.806
N, 98482.18, 10232.33, 25.1, Sta.807
N, 98443.82, 10324.84, 26.7, Sta.808
N, 98404.99, 10416.81, 27.2, Sta.809
N, 98367.09, 10509.64, 28.1, Sta.810
N, 98327.83, 10601.14, 28, Sta.811
N, 98289.71, 10693.09, 27.9, Sta.812
N, 98251.16, 10785.85, 28, Sta.813
N, 98213.85, 10878.65, 28.3, Sta.814
98174.61, 10970.74, 28.6, Sta.815
L I-5 Seg 17NB Cars, 2
N, 98174.61, 10970.74, 28.6, Sta.815
N, 98136.41, 11064.33, 28.7, Sta.816
N, 98097.57, 11155.68, 28.5, Sta.817
N, 98059.3, 11249.22, 27.3, Sta.818
98022.06, 11341, 26.4, Sta.819
L I-5 Seg 17NB HOV, 3
N,98700.11, 9740.36, 14.6, Sta.801.4
N,98659.67, 9823.78, 15.4, Sta.802.4
N,98639.88, 9865.24, 16, Sta.803
N,98597.42, 9955.39, 17.7, Sta.804
N,98553.42, 10045.39, 20.5, Sta.805
N,98512.6, 10137.09, 23, Sta.806
N,98473.22, 10228.4, 25.2, Sta.807
N,98434.49, 10320.83, 26.7, Sta.808

N,98396.56, 10413.17, 27.7, Sta.809
N,98358.74, 10505.75, 28, Sta.810
N,98319.87, 10598.22, 28, Sta.811
N,98281.2, 10690.34, 28.1, Sta.812
N,98243.33, 10782.37, 28.53, Sta.813
N,98205.29, 10874.71, 28.4, Sta.814
 98166.62, 10967.35, 28.6, Sta.815
L I-5 Seg 17NB HOV, 4
N, 98166.62, 10967.35, 28.6, Sta.815
N, 98128.09, 11060.06, 28.7, Sta.816
N, 98089.62, 11152.8, 28.7, Sta.817
N, 98050.87, 11245.4, 28.4, Sta.818
  98012.92, 11337.33, 26.4, Sta.819
L I-5 Seg 17NB On Ramp from Tamarack, 5
Y, 98714.22, 9853.37, 23.1, Sta.802.5
Y, 98681.64, 9887.52, 21.5, Sta.803
N, 98644.14, 9933.47, 17.5, Sta.803.6
N, 98622.46, 9967.51, 17.2, Sta.804
N, 98576.15, 10056.01, 20, Sta.805
 98532.06, 10146.19, 22.5, Sta.806
L I-5 Seg 17NB Off Ramp to Carsbad Village, 6
N, 98262, 10790, 27.9, Sta.813
N, 98246.2, 10836.37, 27.9, Sta.813.5
N, 98231.48, 10886, 27.8, Sta.814
Y, 98215.86, 10932.94, 27.1, Sta.814.5
Y, 98200.52, 10980.03, 25.4, Sta.815
N, 98188.98, 11028.91, 23.3, Sta.815.5
 98172.73, 11095.57, 23.3, Sta.816.2
L I-5 Seg 17SB Cars, 7
N, 97990.41, 11328.3, 26.4, Sta.819
N, 98027.33, 11235.95, 27.3, Sta.818
N, 98065.93, 11142.98, 28.5, Sta.817
N, 98105.1, 11051.27, 28.9, Sta.816
N, 98142.38, 10957.58, 28.5, Sta.815
N, 98181.36, 10865.11, 28.3, Sta.814
N, 98219.4, 10773.18, 28.1, Sta.813
N, 98258.8, 10681.12, 27.8, Sta.812
N, 98297.73, 10588.74, 27.9, Sta.811
N, 98334.96, 10495.55, 28.1, Sta.810
N, 98373.06, 10403.53, 27.7, Sta.809
N, 98411.45, 10310.97, 26.8, Sta.808
N, 98450.84, 10218.5, 25.1, Sta.807
N, 98489.84, 10126.1, 22.7, Sta.806
 98530.48, 10034.61, 20.3, Sta.805
L I-5 Seg 17SB Cars, 8
N, 98530.48, 10034.61, 20.3, Sta.805
N, 98574.38, 9945.01, 17.7, Sta.804
N, 98616.93, 9854.16, 15.8, Sta.803
N, 98636.72, 9811.66, 15.3, Sta.802.5
  98676.67, 9729.01, 14.4, Sta.801.5
L I-5 Seg 17SB HOV, 9
N, 97998.97, 11331.67, 26.4, Sta.819
N, 98036.35, 11239.73, 27.5, Sta.818
N, 98075.00, 11146.68, 28.6, Sta.817
N, 98113.73, 11054.55, 28.9, Sta.816
N, 98151.8, 10961.94, 28.6, Sta.815

N, 98190.42, 10868.76, 28.3, Sta.814
N, 98228.77, 10776.17, 28.3, Sta.813
N, 98266.67, 10683.99, 28.1, Sta.812
N, 98305.03, 10592.11, 28.1, Sta.811
N, 98343.42, 10499.03, 28.2, Sta.810
N, 98381.91, 10407.46, 27.8, Sta.809
N, 98420.08, 10314.66, 26.8, Sta.808
N, 98458.83, 10222.3, 25.3, Sta.807
N, 98497.72, 10129.9, 23, Sta.806
98539.44, 10039.29, 20.3, Sta.805
L I-5 Seg 17SB HOV, 10
N, 98539.44, 10039.29, 20.3, Sta.805
N, 98582.75, 9949.08, 17.7, Sta.804
N, 98625.9, 9858.5, 15.8, Sta.803
N, 98645.78, 9816.46, 15.5, Sta.802.5
98685.59, 9733.67, 14.5, Sta.801.5
L I-5 Seg 17SB Off Ramp to Tamarack, 11
Y, 98463.98, 10160.57, 23.5, Sta.806.3
N, 98477.2, 10120.21, 22.5, Sta.806
N, 98511.61, 10026.86, 21.2, Sta.805
N, 98553.23, 9936.14, 20, Sta.804
N, 98584.44, 9842.83, 21, Sta.803
98587.9, 9785.33, 21.9, Sta.802.4
L I-5 Seg 17SB On Ramp from Carlsbad Village Drive, 12
Y, 98063.56, 11022.68, 22, Sta.816
Y, 98103.37, 10994.99, 25.1, Sta.815.4
N, 98128.19, 10951.65, 26.7, Sta.815
N, 98148.42, 10904.75, 28, Sta.814.5
N, 98168.43, 10860.17, 28, Sta.814
N, 98185.69, 10819.29, 28, Sta.813.5
N, 98207.44, 10768.06, 27.7, Sta.813
98245.44, 10675.47, 28, Sta.812
Barrier 1 ROW NB , 1, 2, 0, 0
98734.89, 9891.04, 23.40, 23.40, 802.8N
98686.68, 9906.32, 23.27, 23.27, 803.1N
98670.94, 9921.26, 23.43, 23.43, 803.3N
Barrier 2 Soundwall ROW NB , 2, 2, 0, 0
98670.94, 9921.26, 23.43, 23.43, 803.3N
98654.25, 9937.1, 23.10, 23.10, 803.5N
98597.71, 10025.04, 22.50, 22.50, 804.6N
98546.99, 10125.15, 22.60, 22.60, 805.8N
98488.68, 10234.85, 24.75, 24.75,807NR
98451.26, 10327.65, 26.45, 26.45,808NR
98412.38, 10419.82, 27.4, 27.4, 809NR
98373.08, 10512.23, 27.9, 27.9, 810NR
98335.98, 10604.45, 27.89, 27.89, 811NR
Barrier 3 Soundwall ROW NB , 3, 2, 0, 0
98335.98, 10604.45, 27.89, 27.89, 811NR
98297.88, 10697.22, 27.95, 27.95, 812NR
98265.79, 10791.91, 27.80, 27.80, 813N
98234.95, 10886.75, 27.50, 27.50, 814N
98204.73, 10981.64, 25.50, 25.50, 815N
98204.73, 10981.64, 25.50, 25.50, 815N
98184.42, 11079.89, 24.50, 24.50, 816N
Barrier 4 Church NB , 4, 2, 0, 0
98629.73, 10074.1, 22.70, 32.70, 805NB

98616.72, 10097.65, 22.70, 32.70, 805NB
98586.77, 10082.55, 22.70, 32.70, 805NB
Barrier 5 Motel 6 NB , 5, 2, 0, 0
98595.1, 10128.07, 23.30, 37.30, 805.6NB
98570.45, 10114.54, 23.30, 37.30, 805.6NB
98557.91, 10130.16, 23.50, 37.50, 805.6NB
Barrier 6 Motel 6 Fence NB , 6, 2, 0, 0
98557.91, 10130.16, 23.50, 25.93, 805.6NB
98561.23, 10148.8, 23.60, 26.03, 805.8NB
Barrier 7 Travel Inn Motel NB , 7, 2, 0, 0
98532.27, 10201.23, 23.20, 33.20, 806.4NB
98590.03, 10234.49, 24.10, 34.10, 806.4NB
Barrier 8 Travel Inn Office NB , 8, 2, 0, 0
98526.72, 10226.49, 23.30, 28.30, 806.4NB
98519.95, 10237.74, 23.30, 28.30, 806.4NB
Barrier 9 Bridge edge of traveled way NB , 9, 2, 0, 0
98214.78, 10913.08, 28.30, 28.30, 814.4N
98153.87, 11059.96, 28.70, 28.70, 815.8N
98153.87, 11059.96, 28.70, 29.70, 815.8N
98138.83, 11096.23, 28.70, 29.70, 816.2N
98138.83, 11096.23, 28.70, 28.70, 816.2N
98099.26, 11191.65, 27.80, 27.80, 817.3N
Barrier 10 Center Jersey Barrier , 10, 2, 0, 0
98652.45, 9819.3, 15.40, 16.40, 802.4 C
98632.8, 9862.29, 15.80, 16.80, 803 C
98589.76, 9952.35, 17.74, 18.74, 804 C
98546.74, 10042.25, 20.40, 21.40, 805 C
98504.83, 10133.4, 23.00, 24.00, 806 C
98466.24, 10225.27, 25.26, 26.26, 807 C
98427.79, 10318.14, 26.83, 27.83, 808 C
98388.77, 10410.06, 27.80, 28.80, 809 C
98350.53, 10502.23, 28.32, 29.32, 810 C
98313.01, 10595.1, 28.13, 29.13, 811 C
Barrier 11 Center Jersey Barrier , 11, 2,0,0
98313.01, 10595.1, 28.13, 29.13, 811 C
98273.57, 10687.25, 28.10, 29.10, 812 C
98235.4, 10779.29, 28.32, 29.32, 813 C
98197.75, 10872.08, 28.40, 29.40, 814 C
98158.65, 10964.25, 28.72, 29.72, 815 C
98119.4, 11060.79, 28.90, 29.90, 816 C
Barrier 12 St Patrick School and other buildings, 12, 2,0,0
98630.11, 10022.06, 22.72, 30.03, 804.4N
98667.60, 9953.30, 23.60, 30.91, 803.65N
98667.60, 9953.30, 23.60, 23.60, 803.65N
98671.66, 9952.64, 23.65, 23.65, 803.6N
98671.66, 9952.64, 23.65, 30.96, 803.6N
98691.78, 9945.75, 23.70, 31.01, 803.45N
98691.78, 9945.75, 23.70, 23.71, 803.45N
98699.34, 9933.20, 23.92, 23.92, 803.3N
98699.34, 9933.20, 23.92, 31.23, 803.3N
98728.91, 9929.51, 23.82, 31.17, 803.15N
R 17.1A, 1 , 55, 3
98670.77, 9946.15, 24.9, 1A- Church
R 17.1, 2 , 55, 3
98640.12, 9982.71, 25.1, ST17.1
R 17.2, 3 , 55, 1

98583.81, 10083.41, 23.7, 2Church
R 17.3, 4 , 55, 1
98561.39, 10134.8, 25.1, 3Motel
R 17.4, 5 , 55, 3
98626.0247, 10116.2238, 24.7, 4-Daycare
R 17.5, 6 , 55, 3
98554.4, 10195.57, 24.6, LT17.1
R 17.6, 7 , 55, 1
98560.86, 10246.62, 25.4, 6Motel
R 17.7, 8 , 55, 12
98477.28, 10321.86, 24.8, ST17.3/CAL
R 17.8, 9 , 55, 3
98467.77, 10354, 24.9, 8Hotel
R 17.9, 10 , 55, 3
98436.4, 10541.93, 25.4, 9-SF
R 17.10, 11 , 55, 9
98327.24, 10674.82, 25.3, 10-Park
R 17.11, 12 , 55, 8
98429.76, 10698.89, 27.3, 11-MF
R 17.12, 13 , 55, 9
98360.43, 10780.03, 26.7, 12-Park
R 17.13, 14 , 55, 1
98268.93, 10856.91, 25.6, LT17.3
R 17.14, 15 , 55, 1
98305.64, 10879.95, 27.1, 14-SF
R 17.15, 16 , 55, 1
98264.1, 10931.34, 26.5, 15-SF
R 17.16, 17 , 55, 2
98291.38, 10951.93, 27.7, 16-SF
D, 4.5
ALL, ALL
K, 0.
All, All
K, -5
All, 15, 17

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGMENT 17 NB TAMARACK TO CARLSBAD - NO BUILD - NB

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	- 0.*								802.8N	165.9	
2	- 0.*								803.1N	71.2	
3	- 0.*								803.3N	75.5	
4	- 0.*								803.5N	343.1	
5	- 0.*								804.6N	368.2	
6	- 0.*								805.8N	407.6	
7	- 0.*								807NR	328.4	
8	- 0.*								808NR	328.2	
9	- 0.*								809NR	329.4	
10	- 0.*								810NR	326.2	
11	- 0.*								811NR	329.1	
12	- 0.*								812NR	328.0	
13	- 0.*								813N	327.2	
14	- 0.*								814N	326.8	
15	- 0.*								815N	.0	
16	- 0.*								815N	329.1	
17	- 33.*								805NB	88.3	
18	- 33.*								805NB	110.1	
19	- 46.*								805.6NB	92.2	
20	- 46.*								805.6NB	65.7	
21	- 8.*								805.6NB	62.2	
22	- 33.*								806.4NB	218.7	
23	- 16.*								806.4NB	43.1	
24	- 0.*								814.4N	521.7	
25	- 2.*								815.8N	3.2	
26	- 3.*								815.8N	128.8	
27	- 2.*								816.2N	3.2	
28	- 0.*								816.2N	338.9	
29	- 3.*								802.4 C	155.1	
30	- 3.*								803 C	327.6	
31	- 3.*								804 C	327.0	
32	- 3.*								805 C	329.3	
33	- 3.*								806 C	327.0	
34	- 3.*								807 C	329.8	

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35    -  3.*                      808 C    327.6
36    -  3.*                      809 C    327.4
37    -  3.*                      810 C    328.6

38    -  3.*                      811 C    328.9
39    -  3.*                      812 C    326.8
40    -  3.*                      813 C    328.6
41    -  3.*                      814 C    328.4
42    -  3.*                      815 C    342.0

43    - 24.*                       804.4N   257.0
44    - 12.*                       803.65N   24.0
45    -  0.*                      803.65N   13.5
46    - 12.*                       803.6N    24.0
47    - 24.*                       803.6N    69.8
48    - 12.*                       803.45N   23.9
49    -  0.*                      803.45N   48.1
50    - 12.*                       803.3N    24.0
51    - 24.*                       803.3N    97.8
--------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
---------------------------------
 1   1A- CH  67.    500.   72.5
 2   ST17.1  67.    500.   74.4
 3   2CHURC  67.    500.   75.2
 4   3MOTEL  67.    500.   68.3
 5  4-DAYCA  67.    500.   66.8
 6   LT17.1  67.    500.   71.5
 7   6MOTEL  67.    500.   69.4
 8   ST17.3  67.    500.   74.8
 9   8HOTEL  67.    500.   74.2
10   9-SF    67.    500.   70.6
11   10-PAR  67.    500.   74.8
12   11-MF   67.    500.   67.7
13   12-PAR  67.    500.   69.8
14   LT17.3  67.    500.   73.3
15   14-SF   67.    500.   65.5
16   15-SF   67.    500.   71.7
17   16-SF   67.    500.   64.7
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.33.33.46.46. 8.33.16. 0. 2.
 3. 2. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.24.12. 0.12.24.12. 0.12.
24.
```

Roadway Segemnt 17 SB Tamarack to Carlsbad - No Build - SB
T RW Seg 16NB Car, 1
3269, 65, 86, 65, 245, 65
T RW Seg 16NB Car, 2
3269, 65, 86, 65, 245, 65
T RW Seg 16NB HOV, 3
3514, 65, 86, 65, 0 , 0
T RW Seg 16NB HOV, 4
3514, 65, 86, 65, 0 , 0
T RW Seg 16NB On Ramp from Tamarack, 5
494, 45, 12, 45, 14, 45
T RW Seg 16NB Off Ramp to Carsbad Village, 6
627, 45, 16, 45, 17, 45
T RW Seg 16SB Car, 7
3269, 65, 86, 65, 245, 65
T RW Seg 16SB Car, 8
3269, 65, 86, 65, 245, 65
T RW Seg 16SB HOV, 9
3514, 65, 86, 65, 0 , 0
T RW Seg 16SB HOV, 10
3514, 65, 86, 65, 0 , 0
T RW Seg 16SB Off Ramp to Tamarack, 11
418, 45, 11, 45, 11, 45
T RW Seg 16SB On Ramp from Carlsbad Village, 12
618, 45, 16, 45, 17, 45
L I-5 Seg 17NB Cars, 1
N, 98708.49, 9744.61, 14.3, Sta.801.4
N, 98668.6, 9828.4, 15.3, Sta.802.4
N, 98648.69, 9869.67, 15.8, Sta.803
N, 98605.4, 9958.79, 17.7, Sta.804
N, 98562.45, 10049.94, 20.2, Sta.805
N, 98520.2, 10140.67, 22.7, Sta.806
N, 98482.18, 10232.33, 25.1, Sta.807
N, 98443.82, 10324.84, 26.7, Sta.808
N, 98404.99, 10416.81, 27.2, Sta.809
N, 98367.09, 10509.64, 28.1, Sta.810
N, 98327.83, 10601.14, 28, Sta.811
N, 98289.71, 10693.09, 27.9, Sta.812
N, 98251.16, 10785.85, 28, Sta.813
N, 98213.85, 10878.65, 28.3, Sta.814
98174.61, 10970.74, 28.6, Sta.815
L I-5 Seg 17NB Cars, 2
N, 98174.61, 10970.74, 28.6, Sta.815
N, 98136.41, 11064.33, 28.7, Sta.816
N, 98097.57, 11155.68, 28.5, Sta.817
N, 98059.3, 11249.22, 27.3, Sta.818
98022.06, 11341, 26.4, Sta.819
L I-5 Seg 17NB HOV, 3
N,98700.11, 9740.36, 14.6, Sta.801.4
N,98659.67, 9823.78, 15.4, Sta.802.4
N,98639.88, 9865.24, 16, Sta.803
N,98597.42, 9955.39, 17.7, Sta.804
N,98553.42, 10045.39, 20.5, Sta.805
N,98512.6, 10137.09, 23, Sta.806
N,98473.22, 10228.4, 25.2, Sta.807
N,98434.49, 10320.83, 26.7, Sta.808

N,98396.56, 10413.17, 27.7, Sta.809
N,98358.74, 10505.75, 28, Sta.810
N,98319.87, 10598.22, 28, Sta.811
N,98281.2, 10690.34, 28.1, Sta.812
N,98243.33, 10782.37, 28.53, Sta.813
N,98205.29, 10874.71, 28.4, Sta.814
 98166.62, 10967.35, 28.6, Sta.815
L I-5 Seg 17NB HOV, 4
N, 98166.62, 10967.35, 28.6, Sta.815
N, 98128.09, 11060.06, 28.7, Sta.816
N, 98089.62, 11152.8, 28.7, Sta.817
N, 98050.87, 11245.4, 28.4, Sta.818
  98012.92, 11337.33, 26.4, Sta.819
L I-5 Seg 17NB On Ramp from Tamarack, 5
Y, 98714.22, 9853.37, 23.1, Sta.802.5
Y, 98681.64, 9887.52, 21.5, Sta.803
N, 98644.14, 9933.47, 17.5, Sta.803.6
N, 98622.46, 9967.51, 17.2, Sta.804
N, 98576.15, 10056.01, 20, Sta.805
 98532.06, 10146.19, 22.5, Sta.806
L I-5 Seg 17NB Off Ramp to Carsbad Village, 6
N, 98262, 10790, 27.9, Sta.813
N, 98246.2, 10836.37, 27.9, Sta.813.5
N, 98231.48, 10886, 27.8, Sta.814
Y, 98215.86, 10932.94, 27.1, Sta.814.5
Y, 98200.52, 10980.03, 25.4, Sta.815
N, 98188.98, 11028.91, 23.3, Sta.815.5
 98172.73, 11095.57, 23.3, Sta.816.2
L I-5 Seg 17SB Cars, 7
N, 97990.41, 11328.3, 26.4, Sta.819
N, 98027.33, 11235.95, 27.3, Sta.818
N, 98065.93, 11142.98, 28.5, Sta.817
N, 98105.1, 11051.27, 28.9, Sta.816
N, 98142.38, 10957.58, 28.5, Sta.815
N, 98181.36, 10865.11, 28.3, Sta.814
N, 98219.4, 10773.18, 28.1, Sta.813
N, 98258.8, 10681.12, 27.8, Sta.812
N, 98297.73, 10588.74, 27.9, Sta.811
N, 98334.96, 10495.55, 28.1, Sta.810
N, 98373.06, 10403.53, 27.7, Sta.809
N, 98411.45, 10310.97, 26.8, Sta.808
N, 98450.84, 10218.5, 25.1, Sta.807
N, 98489.84, 10126.1, 22.7, Sta.806
 98530.48, 10034.61, 20.3, Sta.805
L I-5 Seg 17SB Cars, 8
N, 98530.48, 10034.61, 20.3, Sta.805
N, 98574.38, 9945.01, 17.7, Sta.804
N, 98616.93, 9854.16, 15.8, Sta.803
N, 98636.72, 9811.66, 15.3, Sta.802.5
  98676.67, 9729.01, 14.4, Sta.801.5
L I-5 Seg 17SB HOV, 9
N, 97998.97, 11331.67, 26.4, Sta.819
N, 98036.35, 11239.73, 27.5, Sta.818
N, 98075.00, 11146.68, 28.6, Sta.817
N, 98113.73, 11054.55, 28.9, Sta.816
N, 98151.8, 10961.94, 28.6, Sta.815

N, 98190.42, 10868.76, 28.3, Sta.814
N, 98228.77, 10776.17, 28.3, Sta.813
N, 98266.67, 10683.99, 28.1, Sta.812
N, 98305.03, 10592.11, 28.1, Sta.811
N, 98343.42, 10499.03, 28.2, Sta.810
N, 98381.91, 10407.46, 27.8, Sta.809
N, 98420.08, 10314.66, 26.8, Sta.808
N, 98458.83, 10222.3, 25.3, Sta.807
N, 98497.72, 10129.9, 23, Sta.806
98539.44, 10039.29, 20.3, Sta.805
L I-5 Seg 17SB HOV, 10
N, 98539.44, 10039.29, 20.3, Sta.805
N, 98582.75, 9949.08, 17.7, Sta.804
N, 98625.9, 9858.5, 15.8, Sta.803
N, 98645.78, 9816.46, 15.5, Sta.802.5
98685.59, 9733.67, 14.5, Sta.801.5
L I-5 Seg 17SB Off Ramp to Tamarack, 11
Y, 98465, 10161, 23.5, Sta.806.3
N, 98479, 10121, 22.5, Sta.806
N, 98511.61, 10026.86, 21.2, Sta.805
N, 98553.23, 9936.14, 20, Sta.804
N, 98584.44, 9842.83, 21, Sta.803
98587.9, 9785.33, 21.9, Sta.802.4
L I-5 Seg 17SB On Ramp from Carlsbad Village Drive, 12
Y, 98063.56, 11022.68, 22, Sta.816
Y, 98103.37, 10994.99, 25.1, Sta.815.4
N, 98128.19, 10951.65, 26.7, Sta.815
N, 98148.42, 10904.75, 28, Sta.814.5
N, 98168.43, 10860.17, 28, Sta.814
N, 98185.69, 10819.29, 28, Sta.813.5
N, 98207.44, 10768.06, 27.7, Sta.813
98248.00, 10687.00, 28, Sta.812
Barrier 1 Center Jersey Barrier , 1, 2, 0, 0
98652.45, 9819.3, 15.40, 16.40, 802.4 C
98632.8, 9862.29, 15.80, 16.80, 803 C
98589.76, 9952.35, 17.74, 18.74, 804 C
98546.74, 10042.25, 20.40, 21.40, 805 C
98504.83, 10133.4, 23.00, 24.00, 806 C
98466.24, 10225.27, 25.26, 26.26, 807 C
98427.79, 10318.14, 26.83, 27.83, 808 C
98388.77, 10410.06, 27.80, 28.80, 809 C
98350.53, 10502.23, 28.32, 29.32, 810 C
98313.01, 10595.1, 28.13, 29.13, 811 C
Barrier 2 Center Jersey Barrier , 2, 2,0,0
98313.01, 10595.1, 28.13, 29.13, 811 C
98273.57, 10687.25, 28.10, 29.10, 812 C
98235.4, 10779.29, 28.32, 29.32, 813 C
98197.75, 10872.08, 28.40, 29.40, 814 C
98158.65, 10964.25, 28.72, 29.72, 815 C
98119.4, 11060.79, 28.90, 29.90, 816 C
Barrier 3 Soundwall ROW SB, 12, 3, 0, 0
98578.80, 9799.76, 20.5, 20.5, 802.6s
98577.70, 9840.95, 20.80, 20.80, 803S
98546.98, 9933.18, 20.20, 20.20, 804S
98546.98, 9933.18, 20.20, 20.75, 804S
98509.64, 10027.2, 21.15, 21.70, 805S

98477.31, 10121.07, 22.70, 23.25, 806S
98473.31, 10119.07, 22.70, 22.70, 806S
98443.22, 10215.71, 24.8, 24.8, 807SR
98404.55, 10307.82, 26.4, 26.4, 808SR
98365.69, 10400.70, 27.45, 27.45, 809SR
98327.84, 10492.16, 28.0, 28., 810SR
Barrier 4 Soundwall ROW SB, 13, 4, 0, 0
98327.84, 10492.16, 28.0, 28., 810SR
98289.01, 10586.04, 27.78, 27.78, 811SR
98250.81, 10677.83, 27.78, 27.78, 812SR
98203.01, 10766.08, 27.90, 27.90, 813S
98164.34, 10858.21, 28.14, 28.14, 814S
98124.89, 10950.14, 26.50, 26.50, 815S
98114.17, 10973.45, 25.00, 25.00, 815.3S
98095.66, 10995.97, 23.00, 23.00, 815.5S
Barrier 5 Edge of traveled way Bridge SB, 5, 2, 0, 0
98115.28, 10986.90, 28.5, 28.5, 815.4S
98099.32, 11025.63, 28.7, 28.7, 815.8S
98099.32, 11025.63, 28.7, 29.7, 815.8S
98084.77, 11060.95, 28.7, 29.7, 816.1S
98084.77, 11060.95, 28.7, 28.7, 816.1S
98029.15, 11194.19, 27.6, 27.6, 817.6S
Barrier 6 Building SB , 6, 2, 0, 0
98263.7746, 10602.0951, 21.3, 31.3, 811.2SB
98253.9197, 10617.6956, 21.3, 31.3, 811.3SB
Barrier 7 Building SB , 7, 2, 0, 0
98248.4238, 10626.1487, 21.4, 31.4, 811.5SB
98233.3466, 10648.6614, 21.4, 31.4, 811.8SB
Barrier 8 Building SB , 8, 2, 0, 0
98349.4069, 10390.8292, 20.7, 30.7, 809SB
98339.0357, 10405.8712, 20.7, 30.7, 809.2SB
Barrier 9 Building SB, 9, 2, 0, 0
98381.12, 10296.99, 20.3, 30.3, 808SB
98377.9, 10305.78, 20.3, 30.3, 808.1SB
Barrier 10 Building SB, 10, 2, 0, 0
98376.49, 10310.49, 20.3, 30.3, 808.1SB
98371.98, 10318.89, 20.3, 30.3, 808.2SB
Barrier 11 Building SB, 11, 2, 0, 0
98180.05, 10530.50, 20.0, 30.0, 811SB
98258.75, 10583.13, 20.0, 30.0, 811.15SB
Barrier 12 Building SB, 12, 2, 0, 0
98151.14, 10574.03, 20.0, 30.0, 811.75SB
98226.87, 10625.37, 20.0, 30.0, 811.75SB
Barrier 13 Building SB, 13, 2, 0, 0
98459.55, 10121.38, 19.73, 23.7, 806.1SB
98454.06, 10130.66, 19.73, 23.7, 806.1SB
R 17.17, 1 ,55, 10
98153.53, 10859.65, 24, LT17.4
R 17.18, 2 ,55, 10
98116.27, 10829.17, 22.9, 18SF
R 17.19, 3 ,55, 10
98229.98, 10683.42, 23.2, 19MF
R 17.20, 4 ,55, 6
98238.53, 10612.06, 22.4, 20MF
R 17.21, 5 ,55, 2
98175.46, 10549.9, 20.9, 21MF+SF

R 17.22, 6 ,55, 1
98213.3, 10575.42, 21.8, 22MF
R 17.23, 7 ,55, 6
98258.83, 10581.37, 22.6, 23MF
R 17.24, 8 ,55, 6
98307.4, 10369.36, 21.6, 24MF
R 17.25, 9 ,55, 12
98350.65, 10388.74, 22.6,ST17.4
R 17.26, 10 ,55, 10
98344.64, 10302.39, 21.4, 26MF+SF
R 17.27, 11 ,55, 6
98367.99, 10304.52, 21.5, 27MF+SF
R 17.28, 12 ,55, 16
98421.79, 10193.11, 21.1, LT17.2
R 17.29, 13 ,55, 8
98456.43, 10132.88, 21.0, 29SF
R 17.30, 14 ,55, 8
98441.91, 10124.4, 21.1, 30SF
R 17.31, 15 ,55, 18
98456.71, 10075.56, 21.4, 31MF
R 17.32, 16 ,55, 10
98486.1, 10018.55, 21.4, 32MF
R 17.33, 17 ,55, 12
98498.98, 10022.54, 20, ST17.2/CAL
R 17.34, 18 ,55, 10
98559.38, 9877.33, 21.3, 34MF
D, 4.5
ALL, ALL
K, 0.
All, All

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGEMNT 17 SB TAMARACK TO CARLSBAD - NO BUILD - SB

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	3.*							802.4	C	155.1
2	-	3.*							803	C	327.6
3	-	3.*							804	C	327.0
4	-	3.*							805	C	329.3
5	-	3.*							806	C	327.0
6	-	3.*							807	C	329.8
7	-	3.*							808	C	327.6
8	-	3.*							809	C	327.4
9	-	3.*							810	C	328.6
10	-	3.*							811	C	328.9
11	-	3.*							812	C	326.8
12	-	3.*							813	C	328.6
13	-	3.*							814	C	328.4
14	-	3.*							815	C	342.0
15	-	0.*							802.6	S	135.3
16	-	0.*							803	S	319.0
17	-	1.*							804	S	1.8
18	-	2.*							804	S	331.9
19	-	2.*							805	S	325.8
20	-	1.*							806	S	14.8
21	-	0.*							806	S	332.2
22	-	0.*							807	SR	327.8
23	-	0.*							808	SR	330.3
24	-	0.*							809	SR	324.8
25	-	0.*							810	SR	333.3
26	-	0.*							811	SR	326.2
27	-	0.*							812	SR	329.2
28	-	0.*							813	S	327.8
29	-	0.*							814	S	328.3
30	-	0.*							815	S	84.3
31	-	0.*							815.3	S	95.9
32	-	0.*							815.4	S	137.3
33	-	2.*							815.8	S	3.2
34	-	3.*							815.8	S	125.4
35	-	2.*							816.1	S	3.2
36	-	0.*							816.1	S	473.7
37	-	33.*							811.2	SB	60.5

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38    - 33.*                        811.5SB    88.9

39    - 33.*                        809SB      60.0

40    - 33.*                        808SB      30.7

41    - 33.*                        808.1SB    31.2

42    - 33.*                        811SB     310.6

43    - 33.*                        811.75S   300.1

44    - 13.*                        806.1SB    35.4
--------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
---------------------------------
 1  LT17.4   67.    500.   69.5
 2  18SF     67.    500.   70.4
 3  19MF     67.    500.   71.9
 4  20MF     67.    500.   69.0
 5  21MF+SF  67.    500.   60.8
 6  22MF     67.    500.   63.9
 7  23MF     67.    500.   71.4
 8  24MF     67.    500.   69.7
 9  ST17.4   67.    500.   72.5
10  26MF+SF  67.    500.   70.1
11  27MF+SF  67.    500.   70.0
12  LT17.2   67.    500.   73.6
13  29SF     67.    500.   73.4
14  30SF     67.    500.   72.2
15  31MF     67.    500.   72.6
16  32MF     67.    500.   73.0
17  ST17.2/  67.    500.   72.0
18  34MF     67.    500.   74.3
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 1. 2. 2. 1. 0. 0. 0. 0. 0.
 0. 0. 0. 0. 0. 0. 0. 2. 3. 2. 0.33.33.33.33.33.33.33.13.
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Roadway Segemnt 17 NB Tamarack to Carlsbad - Future No Barrier - NB
T RW Seg 16NB Truck,1
4819,65,173,65,408,65
T RW Seg 16NB Truck,2
4819,65,173,65,408,65
T RW Seg 16NB Car,3
3485,65,115,65,0,0
T RW Seg 16NB Car,4
3485,65,115,65,0,0
T RW Seg 16NB HOV,5
3000,65,0,0,0,0
T RW Seg 16NB HOV,6
3000,65,0,0,0,0
T RW Seg 16NB On Ramp from Tamarack,7
950,45,24,45,26,45
T RW Seg 16NB Off Ramp to Carsbad Village,8
950,45,24,45,26,45
T RW Seg 16SB Truck,9
4819,65,173,65,408,65
T RW Seg 16SB Truck,10
4819,65,173,65,408,65
T RW Seg 16SB Car,11
3485,65,115,65,0,0
T RW Seg 16SB Car,12
3485,65,115,65,0,0
T RW Seg 16SB HOV,13
3000,65,0,0,0,0
T RW Seg 16SB HOV,14
3000,65,0,0,0,0
T RW Seg 16SB Off Ramp to Tamarack,15
950,45,24,45,26,45
T RW Seg 16SB On Ramp from Carlsbad Village,16
950,45,24,45,26,45
L I-5 Seg 17NB Truck,1
N,98715.01,9748.36,14.2, Sta.801.4
N,98674.85,9831.48,14.8, Sta.802.4
N,98654.69,9872.56,15, Sta.803
N,98613.18,9962.77,15.6, Sta.804
N,98569.28,10052.59,17.5, Sta.805
N,98528.52,10144.08,20, Sta.806
N,98488.68,10234.85,22.5, Sta.807
N,98451.26,10327.65,25, Sta.808
N,98412.38,10419.82,26.5, Sta.809
N,98373.08,10512.23,27.5, Sta.810
N,98335.98,10604.45,28, Sta.811
N,98297.88,10697.22,27.8, Sta.812
N,98259.3,10789.39,27.8, Sta.813
N,98220.86,10881.39,27.9, Sta.814
98182.62,10974.62,28.2, Sta.815
L I-5 Seg 17NB Truck,2
N,98182.62,10974.62,28.2, Sta.815
N,98144.01,11067.05,28.7, Sta.816
N,98105.7,11158.99,28.2, Sta.817
N,98066.21,11252.13,27, Sta.818
98028.58,11343.77,26.2, Sta.819
L I-5 Seg 17NB Cars,3

N,98708.49,9744.61,14.3, Sta.801.4
N,98668.6,9828.4,15.3, Sta.802.4
N,98648.69,9869.67,15.8, Sta.803
N,98605.4,9958.79,17.7, Sta.804
N,98562.45,10049.94,20.2, Sta.805
N,98520.2,10140.67,22.7, Sta.806
N,98482.18,10232.33,25.1, Sta.807
N,98443.82,10324.84,26.7, Sta.808
N,98404.99,10416.81,27.2, Sta.809
N,98367.09,10509.64,28.1, Sta.810
N,98327.83,10601.14,28, Sta.811
N,98289.71,10693.09,27.9, Sta.812
N,98251.16,10785.85,28, Sta.813
N,98213.85,10878.65,28.3, Sta.814
98174.61,10970.74,28.6, Sta.815
L I-5 Seg 17NB Cars,4
N,98174.61,10970.74,28.6, Sta.815
N,98136.41,11064.33,28.7, Sta.816
N,98097.57,11155.68,28.5, Sta.817
N,98059.3,11249.22,27.3, Sta.818
98022.06,11341,26.4, Sta.819
L I-5 Seg 17NB HOV,5
N,98700.11,9740.36,14.6, Sta.801.4
N,98659.67,9823.78,15.4, Sta.802.4
N,98639.88,9865.24,16, Sta.803
N,98597.42,9955.39,17.7, Sta.804
N,98553.42,10045.39,20.5, Sta.805
N,98512.6,10137.09,23, Sta.806
N,98473.22,10228.4,25.2, Sta.807
N,98434.49,10320.83,26.7, Sta.808
N,98396.56,10413.17,27.7, Sta.809
N,98358.74,10505.75,28, Sta.810
N,98319.87,10598.22,28, Sta.811
N,98281.2,10690.34,28.1, Sta.812
N,98243.33,10782.37,28.53, Sta.813
N,98205.29,10874.71,28.4, Sta.814
98166.62,10967.35,28.6, Sta.815
L I-5 Seg 17NB HOV,6,
N,98166.62,10967.35,28.6, Sta.815
N,98128.09,11060.06,28.7, Sta.816
N,98089.62,11152.8,28.7, Sta.817
N,98050.87,11245.4,28.4, Sta.818
98012.92,11337.33,26.4, Sta.819
L I-5 Seg 17NB On Ramp from Tamarack,7
Y,98714.22,9853.37,23.1, Sta.802.5
Y,98681.64,9887.52,21.5, Sta.803
N,98644.14,9933.47,17.5, Sta.803.6
N,98622.46,9967.51,17.2, Sta.804
N,98576.15,10056.01,20, Sta.805
98532.06,10146.19,22.5, Sta.806
L I-5 Seg 17NB Off Ramp to Carsbad Village,8
N,98268.58,10769.64,27.95,L11.812+78
N,98244.41,10847.89,27.9,L11.813+60
N,98232.58,10886.18,27.9,L11.814+00
Y,98214.84,10943.63,27.1,L11.814+60
Y,98203.94,10981.82,25.9,L11.815+00

N,98177.13,11078.28,23,L11.816+00
L I-5 Seg 17SB Truck,9
N,97981.81,11324.91,26.2, Sta.819
N,98020.56,11233.22,27.3, Sta.818
N,98059.38,11140.49,28.4, Sta.817
N,98096.73,11047.31,28.75, Sta.816
N,98135.43,10954.93,28.5, Sta.815
N,98174.41,10862.99,28.2, Sta.814
N,98212.18,10770.09,27.8, Sta.813
N,98250.81,10677.83,27.75, Sta.812
N,98289.01,10586.04,27.75, Sta.811
N,98327.84,10492.16,28, Sta.810
N,98365.69,10400.7,27.5, Sta.809
N,98404.55,10307.82,26.5, Sta.808
N,98443.22,10215.71,25, Sta.807
N,98482.25,10122.4,22.5, Sta.806
98524.62,10032.2,20, Sta.805
L I-5 Seg 17SB Truck,10
N,98524.62,10032.2,20, Sta.805
N,98566.78,9941.43,17.5, Sta.804
N,98610.75,9850.65,15.75, Sta.803
N,98630.58,9808.17,15.25, Sta.802.5
98669.45,9725.8,14.25, Sta.801.5
L I-5 Seg 17SB Cars,11
N,97990.41,11328.3,26.4, Sta.819
N,98027.33,11235.95,27.3, Sta.818
N,98065.93,11142.98,28.5, Sta.817
N,98105.1,11051.27,28.9, Sta.816
N,98142.38,10957.58,28.5, Sta.815
N,98181.36,10865.11,28.3, Sta.814
N,98219.4,10773.18,28.1, Sta.813
N,98258.8,10681.12,27.8, Sta.812
N,98297.73,10588.74,27.9, Sta.811
N,98334.96,10495.55,28.1, Sta.810
N,98373.06,10403.53,27.7, Sta.809
N,98411.45,10310.97,26.8, Sta.808
N,98450.84,10218.5,25.1, Sta.807
N,98489.84,10126.1,22.7, Sta.806
98530.48,10034.61,20.3, Sta.805
L I-5 Seg 17SB Cars,12
N,98530.48,10034.61,20.3, Sta.805
N,98574.38,9945.01,17.7, Sta.804
N,98616.93,9854.16,15.8, Sta.803
N,98636.72,9811.66,15.3, Sta.802.5
98676.67,9729.01,14.4, Sta.801.5
L I-5 Seg 17SB HOV,13
N,97998.97,11331.67,26.4, Sta.819
N,98036.35,11239.73,27.5, Sta.818
N,98075,11146.68,28.6, Sta.817
N,98113.73,11054.55,28.9, Sta.816
N,98151.8,10961.94,28.6, Sta.815
N,98190.42,10868.76,28.3, Sta.814
N,98228.77,10776.17,28.3, Sta.813
N,98266.67,10683.99,28.1, Sta.812
N,98305.03,10592.11,28.1, Sta.811
N,98343.42,10499.03,28.2, Sta.810

N,98381.91,10407.46,27.8, Sta.809
N,98420.08,10314.66,26.8, Sta.808
N,98458.83,10222.3,25.3, Sta.807
N,98497.72,10129.9,23, Sta.806
98539.44,10039.29,20.3, Sta.805
L I-5 Seg 17SB HOV,14
N,98539.44,10039.29,20.3, Sta.805
N,98582.75,9949.08,17.7, Sta.804
N,98625.9,9858.5,15.8, Sta.803
N,98645.78,9816.46,15.5, Sta.802.5
98685.59,9733.67,14.5, Sta.801.5
L I-5 Seg 17SB Off Ramp to Tamarack,15
Y,98474.07,10132.70,22.9,L10.806+10
N,98498.00,10064.76,20.3,L10.805+20
N,98519.01,10008.42,19.2,L10.804+80
N,98548.82,9934.19,18.5,L10.804+00
N,98563.78,9896.96,19,L10.803+60
N,98581.07,9840.18,20.8,L10.803+00
N,98590.52,9799.26,21.2,L10.802+60
L I-5 Seg 17SB On Ramp from Carlsbad Village Drive,16
Y,98072.97,11013.63,22.4,L12.815+80
Y,98114.21,10944.91,25.2,L12.815+00
N,98142.16,10891.48,27.2,L12.814+40
N,98160.64,10856.15,27.8,L12.814+00
N,98205.79,10767.26,27.7,L12.813+00
N,98237.31,10693.44,27.6,L12.812+20
Barrier   1 ROW NB ,1,2,0,0
98734.89,9891.04,23.4,23.4, 802.8N
98686.68,9906.32,23.27,23.27, 803.1N
98670.94,9921.26,23.43,23.43, 803.3N
Barrier   2 Soundwall ROW NB ,2,2,0,0
98670.94,9921.26,23.43,23.43, 803.3N
98654.25,9937.1,23.1,23.1, 803.5N
98597.71,10025.04,22.5,22.5, 804.6N
98546.99,10125.15,22.6,22.6, 805.8N
98495.56,10238.05,24.8,24.8, 807N
98457.55,10330.75,26.28,26.28, 808N
98418.67,10422.29,27.5,27.5, 809N
98380.37,10515.42,28,28, 810N
98342.13,10607.19,28,28, 811N
Barrier   3 Soundwall ROW NB ,3,2,0,0
98342.13,10607.19,28,28, 811N
98303.51,10699.21,27.8,27.8, 812N
98265.79,10791.91,28.0,28.0, 813N
98234.95,10886.75,28.0,28.0, 814N
98204.73,10981.64,26.0,26.0, 815N
98184.42,11079.89,23.0,23.0, 816N
Barrier   4 Church NB ,4,2,0,0
98629.73,10074.1,22.7,32.7, 805NB
98616.72,10097.65,22.7,32.7, 805NB
98586.77,10082.55,22.7,32.7, 805NB
Barrier   5 Motel 6 NB ,5,2,0,0
98595.1,10128.07,23.3,37.3, 805.6NB
98570.45,10114.54,23.3,37.3, 805.6NB
98557.91,10130.16,23.5,37.5, 805.6NB
Barrier   6 Motel 6 Fence NB ,6,2,0,0

98557.91,10130.16,23.5,25.93, 805.6NB
98561.23,10148.8,23.6,26.03, 805.8NB
Barrier 7 Travel Inn Motel NB ,7,2,0,0
98532.27,10201.23,23.2,33.2, 806.4NB
98590.03,10234.49,24.1,34.1, 806.4NB
Barrier 8 Travel Inn Office NB ,8,2,0,0
98526.72,10226.49,23.3,28.3, 806.4NB
98519.95,10237.74,23.3,28.3, 806.4NB
Barrier 9 Bridge edge of traveled way NB ,9,2,0,0
98214.78,10913.08,28.3,28.3, 814.4N
98153.87,11059.96,28.7,28.7, 815.8N
98153.87,11059.96,28.7,29.7, 815.8N
98138.83,11096.23,28.7,29.7, 816.2N
98138.83,11096.23,28.7,28.7, 816.2N
98099.26,11191.65,27.8,27.8, 817.3N
Barrier 10 Center Jersey Barrier ,10,2,0,0
98652.45,9819.3,15.4,16.4, 802.4 C
98632.8,9862.29,15.8,16.8, 803 C
98589.76,9952.35,17.74,18.74, 804 C
98546.74,10042.25,20.4,21.4, 805 C
98504.83,10133.4,23,24, 806 C
98466.24,10225.27,25.26,26.26, 807 C
98427.79,10318.14,26.83,27.83, 808 C
98388.77,10410.06,27.8,28.8, 809 C
98350.53,10502.23,28.32,29.32, 810 C
98313.01,10595.1,28.13,29.13, 811 C
Barrier 11 Center Jersey Barrier ,11,2,0,0
98313.01,10595.1,28.13,29.13, 811 C
98273.57,10687.25,28.1,29.1, 812 C
98235.4,10779.29,28.32,29.32, 813 C
98197.75,10872.08,28.4,29.4, 814 C
98158.65,10964.25,28.72,29.72, 815 C
98119.4,11060.79,28.9,29.9, 816 C
Barrier 12 St Patrick School and other buildings,12,2,0,0
98630.11,10022.06,22.72,30.03, 804.4N
98667.6,9953.3,23.6,30.91, 803.65N
98667.6,9953.3,23.6,23.6, 803.65N
98671.66,9952.64,23.65,23.65, 803.6N
98671.66,9952.64,23.65,30.96, 803.6N
98691.78,9945.75,23.7,31.01, 803.45N
98691.78,9945.75,23.7,23.71, 803.45N
98699.34,9933.2,23.92,23.92, 803.3N
98699.34,9933.2,23.92,31.23, 803.3N
98728.91,9929.51,23.82,31.17, 803.15N
R 17.1A,1,55,3
98670.77,9946.15,24.9, 1A- Church,
R 17.1,2,55,3
98640.12,9982.71,25.1, ST17.1
R 17.2,3,55,1
98583.81,10083.41,23.7, 2Church
R 17.3,4,55,1
98561.39,10134.8,25.1, 3Motel
R 17.4,5,55,3
98626.0247,10116.2238,24.7, 4-Daycare
R 17.5,6,55,3
98554.4,10195.57,24.6, LT17.1

R 17.6,7,55,1
98560.86,10246.62,25.4, 6Motel
R 17.7,8,55,12
98477.28,10321.86,24.8, ST17.3/CAL
R 17.8,9,55,3
98467.77,10354,24.9, 8Hotel
R 17.9,10,55,3
98436.4,10541.93,25.4, 9-SF
R 17.10,11,55,9
98327.24,10674.82,25.3, 10-Park
R 17.11,12,55,8
98429.76,10698.89,27.3, 11-MF
R 17.12,13,55,9
98360.43,10780.03,26.7, 12-Park
R 17.13,14,55,1
98268.93,10856.91,25.6, LT17.3
R 17.14,15,55,1
98305.64,10879.95,27.1, 14-SF
R 17.15,16,55,1
98264.1,10931.34,26.5, 15-SF
R 17.16,17,55,2
98291.38,10951.93,27.7, 16-SF
D,4.5
ALL, ALL
K,0,
All, All
K,-5
All,15,17

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGEMNT 17 NB TAMARACK TO CARLSBAD FUTURE NO BARRIER - NB

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	0.*							802.8N	165.9	
2	-	0.*							803.1N	71.2	
3	-	0.*							803.3N	75.5	
4	-	0.*							803.5N	343.1	
5	-	0.*							804.6N	368.2	
6	-	0.*							805.8N	407.1	
7	-	0.*							807N	328.7	
8	-	0.*							808N	326.4	
9	-	0.*							809N	330.4	
10	-	0.*							810N	326.2	
11	-	0.*							811N	327.4	
12	-	0.*							812N	328.3	
13	-	0.*							813N	327.2	
14	-	0.*							814N	326.8	
15	-	0.*							815N	329.3	
16	-	33.*							805NB	88.3	
17	-	33.*							805NB	110.1	
18	-	46.*							805.6NB	92.2	
19	-	46.*							805.6NB	65.7	
20	-	8.*							805.6NB	62.2	
21	-	33.*							806.4NB	218.7	
22	-	16.*							806.4NB	43.1	
23	-	0.*							814.4N	521.7	
24	-	2.*							815.8N	3.2	
25	-	3.*							815.8N	128.8	
26	-	2.*							816.2N	3.2	
27	-	0.*							816.2N	338.9	
28	-	3.*							802.4 C	155.1	
29	-	3.*							803 C	327.6	
30	-	3.*							804 C	327.0	
31	-	3.*							805 C	329.3	
32	-	3.*							806 C	327.0	
33	-	3.*							807 C	329.8	
34	-	3.*							808 C	327.6	

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35    -  3.*                      809 C    327.4
36    -  3.*                      810 C    328.6

37    -  3.*                      811 C    328.9
38    -  3.*                      812 C    326.8
39    -  3.*                      813 C    328.6
40    -  3.*                      814 C    328.4
41    -  3.*                      815 C    342.0

42    - 24.*                       804.4N   257.0
43    - 12.*                       803.65N   24.0
44    -  0.*                      803.65N   13.5
45    - 12.*                       803.6N    24.0
46    - 24.*                       803.6N    69.8
47    - 12.*                       803.45N   23.9
48    -  0.*                      803.45N   48.1
49    - 12.*                       803.3N    24.0
50    - 24.*                       803.3N    97.8
-------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
---------------------------------
 1  REC 1     67.    500.   74.2
 2   ST17.1  67.    500.   76.1
 3   2CHURC  67.    500.   76.4
 4   3MOTEL  67.    500.   70.3
 5  4-DAYCA  67.    500.   68.0
 6   LT17.1  67.    500.   72.6
 7   6MOTEL  67.    500.   70.9
 8   ST17.3  67.    500.   76.7
 9   8HOTEL  67.    500.   76.2
10   9-SF    67.    500.   72.9
11   10-PAR  67.    500.   78.0
12   11-MF   67.    500.   70.5
13   12-PAR  67.    500.   72.2
14   LT17.3  67.    500.   75.8
15   14-SF   67.    500.   67.9
16   15-SF   67.    500.   74.2
17   16-SF   67.    500.   67.0
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.33.33.46.46. 8.33.16. 0. 2. 3.
 2. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.24.12. 0.12.24.12. 0.12.24.
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Roadway Segemnt 17 SB Tamarack to Carlsbad - Future No Barrier - SB
T RW Seg 16NB Truck,1
4819,65,173,65,408,65
T RW Seg 16NB Truck,2
4819,65,173,65,408,65
T RW Seg 16NB Car,3
3485,65,115,65,0,0
T RW Seg 16NB Car,4
3485,65,115,65,0,0
T RW Seg 16NB HOV,5
3000,65,0,0,0,0
T RW Seg 16NB HOV,6
3000,65,0,0,0,0
T RW Seg 16NB On Ramp from Tamarack,7
950,45,24,45,26,45
T RW Seg 16NB Off Ramp to Carsbad Village,8
950,45,24,45,26,45
T RW Seg 16SB Truck,9
4819,65,173,65,408,65
T RW Seg 16SB Truck,10
4819,65,173,65,408,65
T RW Seg 16SB Car,11
3485,65,115,65,0,0
T RW Seg 16SB Car,12
3485,65,115,65,0,0
T RW Seg 16SB HOV,13
3000,65,0,0,0,0
T RW Seg 16SB HOV,14
3000,65,0,0,0,0
T RW Seg 16SB Off Ramp to Tamarack,15
950,45,24,45,26,45
T RW Seg 16SB On Ramp from Carlsbad Village,16
950,45,24,45,26,45
L I-5 Seg 17NB Truck,1
N,98715.01,9748.36,14.2, Sta.801.4
N,98674.85,9831.48,14.8, Sta.802.4
N,98654.69,9872.56,15, Sta.803
N,98613.18,9962.77,15.6, Sta.804
N,98569.28,10052.59,17.5, Sta.805
N,98528.52,10144.08,20, Sta.806
N,98488.68,10234.85,22.5, Sta.807
N,98451.26,10327.65,25, Sta.808
N,98412.38,10419.82,26.5, Sta.809
N,98373.08,10512.23,27.5, Sta.810
N,98335.98,10604.45,28, Sta.811
N,98297.88,10697.22,27.8, Sta.812
N,98259.3,10789.39,27.8, Sta.813
N,98220.86,10881.39,27.9, Sta.814
98182.62,10974.62,28.2, Sta.815
L I-5 Seg 17NB Truck,2
N,98182.62,10974.62,28.2, Sta.815
N,98144.01,11067.05,28.7, Sta.816
N,98105.7,11158.99,28.2, Sta.817
N,98066.21,11252.13,27, Sta.818
98028.58,11343.77,26.2, Sta.819
L I-5 Seg 17NB Cars,3

N,98708.49,9744.61,14.3, Sta.801.4
N,98668.6,9828.4,15.3, Sta.802.4
N,98648.69,9869.67,15.8, Sta.803
N,98605.4,9958.79,17.7, Sta.804
N,98562.45,10049.94,20.2, Sta.805
N,98520.2,10140.67,22.7, Sta.806
N,98482.18,10232.33,25.1, Sta.807
N,98443.82,10324.84,26.7, Sta.808
N,98404.99,10416.81,27.2, Sta.809
N,98367.09,10509.64,28.1, Sta.810
N,98327.83,10601.14,28, Sta.811
N,98289.71,10693.09,27.9, Sta.812
N,98251.16,10785.85,28, Sta.813
N,98213.85,10878.65,28.3, Sta.814
98174.61,10970.74,28.6, Sta.815
L I-5 Seg 17NB Cars,4
N,98174.61,10970.74,28.6, Sta.815
N,98136.41,11064.33,28.7, Sta.816
N,98097.57,11155.68,28.5, Sta.817
N,98059.3,11249.22,27.3, Sta.818
98022.06,11341,26.4, Sta.819
L I-5 Seg 17NB HOV,5
N,98700.11,9740.36,14.6, Sta.801.4
N,98659.67,9823.78,15.4, Sta.802.4
N,98639.88,9865.24,16, Sta.803
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N,98553.42,10045.39,20.5, Sta.805
N,98512.6,10137.09,23, Sta.806
N,98473.22,10228.4,25.2, Sta.807
N,98434.49,10320.83,26.7, Sta.808
N,98396.56,10413.17,27.7, Sta.809
N,98358.74,10505.75,28, Sta.810
N,98319.87,10598.22,28, Sta.811
N,98281.2,10690.34,28.1, Sta.812
N,98243.33,10782.37,28.53, Sta.813
N,98205.29,10874.71,28.4, Sta.814
98166.62,10967.35,28.6, Sta.815
L I-5 Seg 17NB HOV,6
N,98166.62,10967.35,28.6, Sta.815
N,98128.09,11060.06,28.7, Sta.816
N,98089.62,11152.8,28.7, Sta.817
N,98050.87,11245.4,28.4, Sta.818
98012.92,11337.33,26.4, Sta.819
L I-5 Seg 17NB On Ramp from Tamarack,7
Y,98714.22,9853.37,23.1, Sta.802.5
Y,98681.64,9887.52,21.5, Sta.803
N,98644.14,9933.47,17.5, Sta.803.6
N,98622.46,9967.51,17.2, Sta.804
N,98576.15,10056.01,20, Sta.805
98532.06,10146.19,22.5, Sta.806
L I-5 Seg 17NB Off Ramp to Carsbad Village,8
N,98268.58,10769.64,27.95,L11.812+78
N,98244.41,10847.89,27.9,L11.813+60
N,98232.58,10886.18,27.9,L11.814+00
Y,98214.84,10943.63,27.1,L11.814+60
Y,98203.94,10981.82,25.9,L11.815+00

N,98177.13,11078.28,23,L11.816+00
L I-5 Seg 17SB Truck,9
N,97981.81,11324.91,26.2, Sta.819
N,98020.56,11233.22,27.3, Sta.818
N,98059.38,11140.49,28.4, Sta.817
N,98096.73,11047.31,28.75, Sta.816
N,98135.43,10954.93,28.5, Sta.815
N,98174.41,10862.99,28.2, Sta.814
N,98212.18,10770.09,27.8, Sta.813
N,98250.81,10677.83,27.75, Sta.812
N,98289.01,10586.04,27.75, Sta.811
N,98327.84,10492.16,28, Sta.810
N,98365.69,10400.7,27.5, Sta.809
N,98404.55,10307.82,26.5, Sta.808
N,98443.22,10215.71,25, Sta.807
N,98482.25,10122.4,22.5, Sta.806
98524.62,10032.2,20, Sta.805
L I-5 Seg 17SB Truck,10
N,98524.62,10032.2,20, Sta.805
N,98566.78,9941.43,17.5, Sta.804
N,98610.75,9850.65,15.75, Sta.803
N,98630.58,9808.17,15.25, Sta.802.5
98669.45,9725.8,14.25, Sta.801.5
L I-5 Seg 17SB Cars,11
N,97990.41,11328.3,26.4, Sta.819
N,98027.33,11235.95,27.3, Sta.818
N,98065.93,11142.98,28.5, Sta.817
N,98105.1,11051.27,28.9, Sta.816
N,98142.38,10957.58,28.5, Sta.815
N,98181.36,10865.11,28.3, Sta.814
N,98219.4,10773.18,28.1, Sta.813
N,98258.8,10681.12,27.8, Sta.812
N,98297.73,10588.74,27.9, Sta.811
N,98334.96,10495.55,28.1, Sta.810
N,98373.06,10403.53,27.7, Sta.809
N,98411.45,10310.97,26.8, Sta.808
N,98450.84,10218.5,25.1, Sta.807
N,98489.84,10126.1,22.7, Sta.806
98530.48,10034.61,20.3, Sta.805
L I-5 Seg 17SB Cars,12
N,98530.48,10034.61,20.3, Sta.805
N,98574.38,9945.01,17.7, Sta.804
N,98616.93,9854.16,15.8, Sta.803
N,98636.72,9811.66,15.3, Sta.802.5
98676.67,9729.01,14.4, Sta.801.5
L I-5 Seg 17SB HOV,13
N,97998.97,11331.67,26.4, Sta.819
N,98036.35,11239.73,27.5, Sta.818
N,98075,11146.68,28.6, Sta.817
N,98113.73,11054.55,28.9, Sta.816
N,98151.8,10961.94,28.6, Sta.815
N,98190.42,10868.76,28.3, Sta.814
N,98228.77,10776.17,28.3, Sta.813
N,98266.67,10683.99,28.1, Sta.812
N,98305.03,10592.11,28.1, Sta.811
N,98343.42,10499.03,28.2, Sta.810

N,98381.91,10407.46,27.8, Sta.809
N,98420.08,10314.66,26.8, Sta.808
N,98458.83,10222.3,25.3, Sta.807
N,98497.72,10129.9,23, Sta.806
98539.44,10039.29,20.3, Sta.805
L I-5 Seg 17SB HOV,14
N,98539.44,10039.29,20.3, Sta.805
N,98582.75,9949.08,17.7, Sta.804
N,98625.9,9858.5,15.8, Sta.803
N,98645.78,9816.46,15.5, Sta.802.5
98685.59,9733.67,14.5, Sta.801.5,
L I-5 Seg 17SB Off Ramp to Tamarack,15
Y,98474.07,10132.7,22.9,L10.806+10
N,98498,10064.76,20.3,L10.805+20
N,98519.01,10008.42,19.2,L10.804+80
N,98548.82,9934.19,18.5,L10.804+00
N,98563.78,9896.96,19,L10.803+60
N,98581.07,9840.18,20.8,L10.803+00
N,98590.52,9799.26,21.2,L10.802+60
L I-5 Seg 17SB On Ramp from Carlsbad Village Drive,16
Y,98072.97,11013.63,22.4,L12.815+80
Y,98114.21,10944.91,25.2,L12.815+00
N,98142.16,10891.48,27.2,L12.814+40
N,98160.64,10856.15,27.8,L12.814+00
N,98205.79,10767.26,27.7,L12.813+00
N,98237.31,10693.44,27.6,L12.812+20
Barrier   1 Center Jersey Barrier ,1,2,0,0
98652.45,9819.3,15.4,16.4, 802.4 C
98632.8,9862.29,15.8,16.8, 803 C
98589.76,9952.35,17.74,18.74, 804 C
98546.74,10042.25,20.4,21.4, 805 C
98504.83,10133.4,23,24, 806 C
98466.24,10225.27,25.26,26.26, 807 C
98427.79,10318.14,26.83,27.83, 808 C
98388.77,10410.06,27.8,28.8, 809 C
98350.53,10502.23,28.32,29.32, 810 C
98313.01,10595.1,28.13,29.13, 811 C
Barrier   2 Center Jersey Barrier ,2,2,0,0
98313.01,10595.1,28.13,29.13, 811 C
98273.57,10687.25,28.1,29.1, 812 C
98235.4,10779.29,28.32,29.32, 813 C
98197.75,10872.08,28.4,29.4, 814 C
98158.65,10964.25,28.72,29.72, 815 C
98119.4,11060.79,28.9,29.9, 816 C
Barrier 3 Soundwall ROW SB,12,3,0,0
98578.8,9799.76,20.5,20.5, 802.6s
98577.7,9840.95,20.8,20.8, 803S
98546.98,9933.18,20.2,20.2, 804S
98546.98,9933.18,20.2,21.2, 804S
98507.24,10025.57,20.1,21.1, 805S
98473.31,10119.07,22.7,23.7, 806S
98473.31,10119.07,22.7,22.7, 806S
98436.5,10213.37,24.8,24.8, 807S
98398.05,10306.51,26.23,26.23, 808S
98359.17,10397.63,27.36,27.36, 809S
98319.39,10490.84,27.89,27.89, 810S

Barrier 4 Soundwall ROW SB,13,4,0,0
98319.39,10490.84,27.9,27.89, 810S
98280.23,10582.61,27.7,27.7, 811S
98241.08,10674.37,27.8,27.8, 812S
98200.34,10764.70,27.7,27.7,B5.6.813+00
98176.26,10815.04,27.8,27.8,B5.5.813+55
98144.38,10869.41,27.6,27.6,B5.4.814.20
98141.99,10878.44,27.4,27.4,B5.3.814+30
98108.97,10942.04,25.2,25.2,B5.2.815+00
98071.13,11006.13,22.5,22.5,B5.1.815+75
Barrier 5 Edge of traveled way Bridge SB,5,2,0,0
98115.28,10986.9,28.5,28.5, 815.4S
98099.32,11025.63,28.7,28.7, 815.8S
98099.32,11025.63,28.7,29.7, 815.8S
98084.77,11060.95,28.7,29.7, 816.1S
98084.77,11060.95,28.7,28.7, 816.1S
98029.15,11194.19,27.6,27.6, 817.6S
Barrier 6 Building SB ,6,2,0,0
98263.7746,10602.0951,21.3,31.3, 811.2SB
98253.9197,10617.6956,21.3,31.3, 811.3SB
Barrier 7 Building SB ,7,2,0,0
98248.4238,10626.1487,21.4,31.4, 811.5SB
98233.3466,10648.6614,21.4,31.4, 811.8SB
Barrier 8 Building SB ,8,2,0,0
98349.4069,10390.8292,20.7,30.7, 809SB
98339.0357,10405.8712,20.7,30.7, 809.2SB
Barrier 9 Building SB,9,2,0,0
98381.12,10296.99,20.3,30.3, 808SB
98377.9,10305.78,20.3,30.3, 808.1SB
Barrier 10 Building SB,10,2,0,0
98376.49,10310.49,20.3,30.3, 808.1SB
98371.98,10318.89,20.3,30.3, 808.2SB
Barrier 11 Building SB,11,2,0,0
98180.05,10530.5,20,30, 811SB
98258.75,10583.13,20,30, 811.15SB
Barrier 12 Building SB,12,2,0,0
98151.14,10574.03,20,30, 811.75SB
98226.87,10625.37,20,30, 811.75SB
Barrier 13 Building SB,13,2,0,0
98459.55,10121.38,19.73,23.7, 806.1SB
98454.06,10130.66,19.73,23.7, 806.1SB
R 17.17,1,55,10
98138.62,10855.90,23.69, LT17.4
R 17.18,2,55,10
98116.27,10829.17,22.9, 18SF
R 17.19,3,55,10
98229.98,10683.42,23.2, 19MF
R 17.20,4,55,6,
98238.53,10612.06,22.4, 20MF
R 17.21,5,55,2
98175.46,10549.9,20.9, 21MF+SF
R 17.22,6,55,1
98213.3,10575.42,21.8, 22MF
R 17.23,7,55,6
98258.83,10581.37,22.6, 23MF
R 17.24,8,55,6

98307.4,10369.36,21.6, 24MF
R 17.25,9,55,12
98350.65,10388.74,22.6,ST17.4
R 17.26,10,55,10
98344.64,10302.39,21.4, 26MF+SF
R 17.27,11,55,6
98367.99,10304.52,21.5, 27MF+SF
R 17.28,12,55,16
98421.79,10193.11,21.1, LT17.2
R 17.29,13,55,8
98456.43,10132.88,21, 29SF
R 17.30,14,55,8
98441.91,10124.4,21.1, 30SF
R 17.31,15,55,18
98456.71,10075.56,21.4, 31MF
R 17.32,16,55,10
98486.1,10018.55,21.4, 32MF
R 17.33,17,55,12
98498.98,10022.54,20, ST17.2/CAL
R 17.34,18,55,10
98559.38,9877.33,21.3, 34MF
D,4.5
ALL, ALL
K,0
All, All

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGEMNT 17 SB TAMARACK TO CARLSBAD FUTURE NO BARRIER - SB

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	3.*							802.4	C	155.1
2	-	3.*							803	C	327.6
3	-	3.*							804	C	327.0
4	-	3.*							805	C	329.3
5	-	3.*							806	C	327.0
6	-	3.*							807	C	329.8
7	-	3.*							808	C	327.6
8	-	3.*							809	C	327.4
9	-	3.*							810	C	328.6
10	-	3.*							811	C	328.9
11	-	3.*							812	C	326.8
12	-	3.*							813	C	328.6
13	-	3.*							814	C	328.4
14	-	3.*							815	C	342.0
15	-	0.*							802.6	S	135.3
16	-	0.*							803	S	319.0
17	-	2.*							804	S	3.3
18	-	3.*							804	S	330.0
19	-	3.*							805	S	326.4
20	-	2.*							806	S	3.3
21	-	0.*							806	S	332.2
22	-	0.*							807	S	330.7
23	-	0.*							808	S	325.1
24	-	0.*							809	S	332.5
25	-	0.*							810	S	327.3
26	-	0.*							811	S	327.3
27	-	0.*							812	S	325.2
28	-	0.*							B5.6.813		183.0
29	-	0.*							B5.5.813		206.8
30	-	0.*							B5.4.814		30.6
31	-	0.*							B5.3.814		235.3
32	-	0.*							B5.2.815		244.3
33	-	0.*							815.4	S	137.3
34	-	2.*							815.8	S	3.2
35	-	3.*							815.8	S	125.4
36	-	2.*							816.1	S	3.2
37	-	0.*							816.1	S	473.7
38	-	33.*							811.2	SB	60.5

39 - 33.* 811.5SB 88.9

40 - 33.* 809SB 60.0

41 - 33.* 808SB 30.7

42 - 33.* 808.1SB 31.2

43 - 33.* 811SB 310.6

44 - 33.* 811.75S 300.1

45 - 13.* 806.1SB 35.4

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0 1 2 3 4 5 6 7

1

REC REC ID DNL PEOPLE LEQ(CAL)

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1 LT17.4 67. 500. 71.6
2 18SF 67. 500. 72.6
3 19MF 67. 500. 70.5
4 20MF 67. 500. 70.3
5 21MF+SF 67. 500. 63.0
6 22MF 67. 500. 66.1
7 23MF 67. 500. 72.3
8 24MF 67. 500. 71.9
9 ST17.4 67. 500. 74.1
10 26MF+SF 67. 500. 72.3
11 27MF+SF 67. 500. 72.3
12 LT17.2 67. 500. 76.0
13 29SF 67. 500. 76.1
14 30SF 67. 500. 74.5
15 31MF 67. 500. 74.4
16 32MF 67. 500. 75.7
17 ST17.2/ 67. 500. 75.4
18 34MF 67. 500. 76.8

BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION

3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 2. 3. 3. 2. 0. 0. 0. 0. 0.

0. 0. 0. 0. 0. 0. 0. 0. 2. 3. 2. 0.33.33.33.33.33.33.33.13.

Roadway Segemnt 17 NB Tamarack to Carlsbad - Design- NB
T RW Seg 16NB Truck,1
4819,65,173,65,408,65
T RW Seg 16NB Truck,2
4819,65,173,65,408,65
T RW Seg 16NB Car,3
3485,65,115,65,0,0
T RW Seg 16NB Car,4
3485,65,115,65,0,0
T RW Seg 16NB HOV,5
3000,65,0,0,0,0
T RW Seg 16NB HOV,6
3000,65,0,0,0,0
T RW Seg 16NB On Ramp from Tamarack,7
950,45,24,45,26,45
T RW Seg 16NB Off Ramp to Carsbad Village,8
950,45,24,45,26,45
T RW Seg 16SB Truck,9
4819,65,173,65,408,65
T RW Seg 16SB Truck,10
4819,65,173,65,408,65
T RW Seg 16SB Car,11
3485,65,115,65,0,0
T RW Seg 16SB Car,12
3485,65,115,65,0,0
T RW Seg 16SB HOV,13
3000,65,0,0,0,0
T RW Seg 16SB HOV,14
3000,65,0,0,0,0
T RW Seg 16SB Off Ramp to Tamarack,15
950,45,24,45,26,45
T RW Seg 16SB On Ramp from Carlsbad Village,16
950,45,24,45,26,45
L I-5 Seg 17NB Truck,1
N,98715.01,9748.36,14.2, Sta.801.4
N,98674.85,9831.48,14.8, Sta.802.4
N,98654.69,9872.56,15, Sta.803
N,98613.18,9962.77,15.6, Sta.804
N,98569.28,10052.59,17.5, Sta.805
N,98528.52,10144.08,20, Sta.806
N,98488.68,10234.85,22.5, Sta.807
N,98451.26,10327.65,25, Sta.808
N,98412.38,10419.82,26.5, Sta.809
N,98373.08,10512.23,27.5, Sta.810
N,98335.98,10604.45,28, Sta.811
N,98297.88,10697.22,27.8, Sta.812
N,98259.3,10789.39,27.8, Sta.813
N,98220.86,10881.39,27.9, Sta.814
98182.62,10974.62,28.2, Sta.815
L I-5 Seg 17NB Truck,2
N,98182.62,10974.62,28.2, Sta.815
N,98144.01,11067.05,28.7, Sta.816
N,98105.7,11158.99,28.2, Sta.817
N,98066.21,11252.13,27, Sta.818
98028.58,11343.77,26.2, Sta.819
L I-5 Seg 17NB Cars,3

N,98708.49,9744.61,14.3, Sta.801.4
N,98668.6,9828.4,15.3, Sta.802.4
N,98648.69,9869.67,15.8, Sta.803
N,98605.4,9958.79,17.7, Sta.804
N,98562.45,10049.94,20.2, Sta.805
N,98520.2,10140.67,22.7, Sta.806
N,98482.18,10232.33,25.1, Sta.807
N,98443.82,10324.84,26.7, Sta.808
N,98404.99,10416.81,27.2, Sta.809
N,98367.09,10509.64,28.1, Sta.810
N,98327.83,10601.14,28, Sta.811
N,98289.71,10693.09,27.9, Sta.812
N,98251.16,10785.85,28, Sta.813
N,98213.85,10878.65,28.3, Sta.814
98174.61,10970.74,28.6, Sta.815
L I-5 Seg 17NB Cars,4
N,98174.61,10970.74,28.6, Sta.815
N,98136.41,11064.33,28.7, Sta.816
N,98097.57,11155.68,28.5, Sta.817
N,98059.3,11249.22,27.3, Sta.818
98022.06,11341,26.4, Sta.819
L I-5 Seg 17NB HOV,5
N,98700.11,9740.36,14.6, Sta.801.4
N,98659.67,9823.78,15.4, Sta.802.4
N,98639.88,9865.24,16, Sta.803
N,98597.42,9955.39,17.7, Sta.804
N,98553.42,10045.39,20.5, Sta.805
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N,98473.22,10228.4,25.2, Sta.807
N,98434.49,10320.83,26.7, Sta.808
N,98396.56,10413.17,27.7, Sta.809
N,98358.74,10505.75,28, Sta.810
N,98319.87,10598.22,28, Sta.811
N,98281.2,10690.34,28.1, Sta.812
N,98243.33,10782.37,28.53, Sta.813
N,98205.29,10874.71,28.4, Sta.814
98166.62,10967.35,28.6, Sta.815
L I-5 Seg 17NB HOV,6,
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N,98128.09,11060.06,28.7, Sta.816
N,98089.62,11152.8,28.7, Sta.817
N,98050.87,11245.4,28.4, Sta.818
98012.92,11337.33,26.4, Sta.819
L I-5 Seg 17NB On Ramp from Tamarack,7
Y,98714.22,9853.37,23.1, Sta.802.5
Y,98681.64,9887.52,21.5, Sta.803
N,98644.14,9933.47,17.5, Sta.803.6
N,98622.46,9967.51,17.2, Sta.804
N,98576.15,10056.01,20, Sta.805
98532.06,10146.19,22.5, Sta.806
L I-5 Seg 17NB Off Ramp to Carsbad Village,8
N,98268.58,10769.64,27.95,L11.812+78
N,98244.41,10847.89,27.9,L11.813+60
N,98232.58,10886.18,27.9,L11.814+00
Y,98214.84,10943.63,27.1,L11.814+60
Y,98203.94,10981.82,25.9,L11.815+00

N,98177.13,11078.28,23,L11.816+00
L I-5 Seg 17SB Truck,9
N,97981.81,11324.91,26.2, Sta.819
N,98020.56,11233.22,27.3, Sta.818
N,98059.38,11140.49,28.4, Sta.817
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98524.62,10032.2,20, Sta.805
L I-5 Seg 17SB Truck,10
N,98524.62,10032.2,20, Sta.805
N,98566.78,9941.43,17.5, Sta.804
N,98610.75,9850.65,15.75, Sta.803
N,98630.58,9808.17,15.25, Sta.802.5
98669.45,9725.8,14.25, Sta.801.5
L I-5 Seg 17SB Cars,11
N,97990.41,11328.3,26.4, Sta.819
N,98027.33,11235.95,27.3, Sta.818
N,98065.93,11142.98,28.5, Sta.817
N,98105.1,11051.27,28.9, Sta.816
N,98142.38,10957.58,28.5, Sta.815
N,98181.36,10865.11,28.3, Sta.814
N,98219.4,10773.18,28.1, Sta.813
N,98258.8,10681.12,27.8, Sta.812
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N,98373.06,10403.53,27.7, Sta.809
N,98411.45,10310.97,26.8, Sta.808
N,98450.84,10218.5,25.1, Sta.807
N,98489.84,10126.1,22.7, Sta.806
98530.48,10034.61,20.3, Sta.805
L I-5 Seg 17SB Cars,12
N,98530.48,10034.61,20.3, Sta.805
N,98574.38,9945.01,17.7, Sta.804
N,98616.93,9854.16,15.8, Sta.803
N,98636.72,9811.66,15.3, Sta.802.5
98676.67,9729.01,14.4, Sta.801.5
L I-5 Seg 17SB HOV,13
N,97998.97,11331.67,26.4, Sta.819
N,98036.35,11239.73,27.5, Sta.818
N,98075,11146.68,28.6, Sta.817
N,98113.73,11054.55,28.9, Sta.816
N,98151.8,10961.94,28.6, Sta.815
N,98190.42,10868.76,28.3, Sta.814
N,98228.77,10776.17,28.3, Sta.813
N,98266.67,10683.99,28.1, Sta.812
N,98305.03,10592.11,28.1, Sta.811
N,98343.42,10499.03,28.2, Sta.810

N,98381.91,10407.46,27.8, Sta.809
N,98420.08,10314.66,26.8, Sta.808
N,98458.83,10222.3,25.3, Sta.807
N,98497.72,10129.9,23, Sta.806
98539.44,10039.29,20.3, Sta.805
L I-5 Seg 17SB HOV,14
N,98539.44,10039.29,20.3, Sta.805
N,98582.75,9949.08,17.7, Sta.804
N,98625.9,9858.5,15.8, Sta.803
N,98645.78,9816.46,15.5, Sta.802.5
98685.59,9733.67,14.5, Sta.801.5
L I-5 Seg 17SB Off Ramp to Tamarack,15
Y,98474.07,10132.70,22.9,L10.806+10
N,98498.00,10064.76,20.3,L10.805+20
N,98519.01,10008.42,19.2,L10.804+80
N,98548.82,9934.19,18.5,L10.804+00
N,98563.78,9896.96,19,L10.803+60
N,98581.07,9840.18,20.8,L10.803+00
N,98590.52,9799.26,21.2,L10.802+60
L I-5 Seg 17SB On Ramp from Carlsbad Village Drive,16
Y,98072.97,11013.63,22.4,L12.815+80
Y,98114.21,10944.91,25.2,L12.815+00
N,98142.16,10891.48,27.2,L12.814+40
N,98160.64,10856.15,27.8,L12.814+00
N,98205.79,10767.26,27.7,L12.813+00
N,98237.31,10693.44,27.6,L12.812+20
Barrier 1 ROW NB, 1, 2, 0, 0
98734.89, 9891.04, 23.4, 23.40, 802.8N
98686.68, 9906.32, 23.27, 23.27, 803.1N
98670.94, 9921.26, 23.43, 23.43, 803.3N
Barrier 2 Soundwall ROW NB, 2, 2, 0, 0
98670.94, 9921.260, 23.43, 26.48, 803.3 N
98641.98, 9950.600, 23.20, 26.25, 803.7 N
98621.33, 9978.230, 22.80, 25.85, 804.1 N
98603.92, 10012.13, 22.67, 25.75, 804.5 N
98584.16, 10051.12, 22.22, 27.10, 804.9 N
98533.68, 10145.79, 22.74, 27.62, 806 N
98533.68, 10145.79, 22.74, 27.01, 806 N
98495.56, 10238.05, 24.80, 29.07, 807 N
98495.56, 10238.05, 24.80, 28.46, 807 N
98457.55, 10330.75, 26.28, 29.94, 808 N
98418.67, 10422.29, 27.50, 31.16, 809 N
Barrier 3 Soundwall ROW NB, 3, 2, 0, 0
98418.67, 10422.29, 27.50, 31.16, 809 N
98380.37, 10515.42, 28.00, 31.66, 810 N
98342.13, 10607.19, 28.00, 31.66, 811 N
98303.51, 10699.21, 27.80, 31.46, 812 N
98265.79, 10791.91, 28.00, 31.66, 813 N
98265.79, 10791.91, 28.00, 32.27, 813 N
98234.95, 10886.75, 28.00, 32.27, 814 N
98204.73, 10981.64, 26.00, 30.27, 815 N
Barrier 4 ROW NB, 4,   2,   0, 0
98204.73, 10981.64, 26.00, 26.00, 815N
98184.42, 11079.89, 23.00, 23.00, 816N
Barrier   5 Church NB ,   5, 2, 0, 0
98629.73, 10074.1, 22.70, 32.70, 805NB

98616.72, 10097.65, 22.70, 32.70, 805NB
98586.77, 10082.55, 22.70, 32.70, 805NB
Barrier 6 Motel 6 NB , 6, 2, 0, 0
98595.1, 10128.07, 23.30, 37.30, 805.6NB
98570.45, 10114.54, 23.30, 37.30, 805.6NB
98557.91, 10130.16, 23.50, 37.50, 805.6NB
Barrier 7 Motel 6 Fence NB , 7, 2, 0, 0
98557.91, 10130.16, 23.50, 25.93, 805.6NB
98561.23, 10148.8, 23.60, 26.03, 805.8NB
Barrier 8 Travel Inn Motel NB , 8, 2, 0, 0
98532.27, 10201.23, 23.20, 33.20, 806.4NB
98590.03, 10234.49, 24.10, 34.10, 806.4NB
Barrier 9 Travel Inn Office NB , 9, 2, 0, 0
98526.72, 10226.49, 23.30, 28.30, 806.4NB
98519.95, 10237.74, 23.30, 28.30, 806.4NB
Barrier 10 Bridge edge of traveled way NB , 10, 2, 0, 0
98214.78, 10913.08, 28.30, 28.30, 814.4N
98153.87, 11059.96, 28.70, 28.70, 815.8N
98153.87, 11059.96, 28.70, 29.70, 815.8N
98138.83, 11096.23, 28.70, 29.70, 816.2N
98138.83, 11096.23, 28.70, 28.70, 816.2N
98099.26, 11191.65, 27.80, 27.80, 817.3N
Barrier 11 Center Jersey Barrier , 11, 2, 0, 0
98652.45, 9819.3, 15.40, 16.40, 802.4 C
98632.8, 9862.29, 15.80, 16.80, 803 C
98589.76, 9952.35, 17.74, 18.74, 804 C
98546.74, 10042.25, 20.40, 21.40, 805 C
98504.83, 10133.4, 23.00, 24.00, 806 C
98466.24, 10225.27, 25.26, 26.26, 807 C
98427.79, 10318.14, 26.83, 27.83, 808 C
98388.77, 10410.06, 27.80, 28.80, 809 C
98350.53, 10502.23, 28.32, 29.32, 810 C
98313.01, 10595.1, 28.13, 29.13, 811 C
Barrier 12 Center Jersey Barrier , 12, 2, 0, 0
98313.01, 10595.1, 28.13, 29.13, 811 C
98273.57, 10687.25, 28.10, 29.10, 812 C
98235.4, 10779.29, 28.32, 29.32, 813 C
98197.75, 10872.08, 28.40, 29.40, 814 C
98158.65, 10964.25, 28.72, 29.72, 815 C
98119.4, 11060.79, 28.90, 29.90, 816 C
Barrier 13 St Patrick School and other buildings, 13, 2,0,0
98630.11, 10022.06, 22.72, 30.03, 804.4N
98667.60, 9953.30, 23.60, 30.91, 803.65N
98667.60, 9953.30, 23.60, 23.60, 803.65N
98671.66, 9952.64, 23.65, 23.65, 803.6N
98671.66, 9952.64, 23.65, 30.96, 803.6N
98691.78, 9945.75, 23.70, 31.01, 803.45N
98691.78, 9945.75, 23.70, 23.71, 803.45N
98699.34, 9933.20, 23.92, 23.92, 803.3N
98699.34, 9933.20, 23.92, 31.23, 803.3N
98728.91, 9929.51, 23.82, 31.17, 803.15N
R 17.1A, 1 , 55, 3
98670.77, 9946.15, 24.9, 1A- Church
R 17.1, 2 , 55, 3
98640.12, 9982.71, 25.1, ST17.1
R 17.2, 3 , 55, 1

98583.81, 10083.41, 23.7, 2Church
R 17.3, 4 , 55, 1
98561.39, 10134.8, 25.1, 3Motel
R 17.4, 5 , 55, 3
98626.0247, 10116.2238, 24.7, 4-Daycare
R 17.5, 6 , 55, 3
98554.4, 10195.57, 24.6, LT17.1
R 17.6, 7 , 55, 1
98560.86, 10246.62, 25.4, 6Motel
R 17.7, 8 , 55, 12
98477.28, 10321.86, 24.8, ST17.3/CAL
R 17.8, 9 , 55, 3
98467.77, 10354, 24.9, 8Hotel
R 17.9, 10 , 55, 3
98436.4, 10541.93, 25.4, 9-SF
R 17.10, 11 , 55, 9
98327.24, 10674.82, 25.3, 10-Park
R 17.11, 12 , 55, 8
98429.76, 10698.89, 27.3, 11-MF
R 17.12, 13 , 55, 9
98360.43, 10780.03, 26.7, 12-Park
R 17.13, 14 , 55, 1
98268.93, 10856.91, 25.6, LT17.3
R 17.14, 15 , 55, 1
98305.64, 10879.95, 27.1, 14-SF
R 17.15, 16 , 55, 1
98264.1, 10931.34, 26.5, 15-SF
R 17.16, 17 , 55, 2
98291.38, 10951.93, 27.7, 16-SF
D, 4.5
ALL, ALL
K, 0.
All, All
K, -5
All, 15, 17

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGEMNT 17 NB TAMARACK TO CARLSBAD - DESIGN- NB

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	- 0.*								802.8N	165.9	
2	- 0.*								803.1N	71.2	
3	- 10.*								803.3 N	135.3	
4	- 10.*								803.7 N	113.2	
5	- 10.*								804.1 N	125.0	
6	- 13.*								804.5 N	143.5	
7	- 16.*								804.9 N	352.0	
8	- 15.*								806 N	2.0	
9	- 14.*								806 N	327.6	
10	- 13.*								807 N	2.0	
11	- 12.*								807 N	328.7	
12	- 12.*								808 N	326.4	
13	- 12.*								809 N	330.4	
14	- 12.*								810 N	326.2	
15	- 12.*								811 N	327.4	
16	- 12.*								812 N	328.3	
17	- 13.*								813 N	2.0	
18	- 14.*								813 N	327.2	
19	- 14.*								814 N	326.8	
20	- 0.*								815N	329.3	
21	- 33.*								805NB	88.3	
22	- 33.*								805NB	110.1	
23	- 46.*								805.6N	92.2	
24	- 46.*								805.6N	65.7	
25	- 8.*								805.6N	62.2	
26	- 33.*								806.4N	218.7	
27	- 16.*								806.4N	43.1	
28	- 0.*								814.4N	521.7	
29	- 2.*								815.8N	3.2	
30	- 3.*								815.8N	128.8	
31	- 2.*								816.2N	3.2	
32	- 0.*								816.2N	338.9	
33	- 3.*								802.4	155.1	

```
34    -  3.*                      803 C    327.6
35    -  3.*                      804 C    327.0
36    -  3.*                      805 C    329.3
37    -  3.*                      806 C    327.0
38    -  3.*                      807 C    329.8
39    -  3.*                      808 C    327.6
40    -  3.*                      809 C    327.4
41    -  3.*                      810 C    328.6

42    -  3.*                      811 C    328.9
43    -  3.*                      812 C    326.8
44    -  3.*                      813 C    328.6
45    -  3.*                      814 C    328.4
46    -  3.*                      815 C    342.0

47    - 24.*                      804.4N   257.0
48    - 12.*                      803.65N   24.0
49    -  0.*                     803.65N   13.5
50    - 12.*                      803.6N    24.0
51    - 24.*                      803.6N    69.8
52    - 12.*                      803.45N   23.9
53    -  0.*                     803.45N   48.1
54    - 12.*                      803.3N    24.0
55    - 24.*                      803.3N    97.8
-------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
---------------------------------
 1   1A- CH  67.    500.   68.6
 2   ST17.1  67.    500.   69.3
 3   2CHURC  67.    500.   67.1
 4   3MOTEL  67.    500.   67.8
 5  4-DAYCA  67.    500.   63.4
 6   LT17.1  67.    500.   65.0
 7   6MOTEL  67.    500.   66.2
 8   ST17.3  67.    500.   67.6
 9   8HOTEL  67.    500.   67.4
10   9-SF    67.    500.   66.3
11   10-PAR  67.    500.   67.3
12   11-MF   67.    500.   65.9
13   12-PAR  67.    500.   66.8
14   LT17.3  67.    500.   66.8
15   14-SF   67.    500.   62.7
16   15-SF   67.    500.   68.9
17   16-SF   67.    500.   64.1
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 0. 0.10.10.10.13.16.15.14.13.12.12.12.12.12.12.13.14.14. 0.33.33.46.46. 8.
33.16. 0. 2. 3. 2. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.24.12. 0.12.
24.12. 0.12.24.
```

Roadway Segment 17 SB Tamarack to Carlsbad - Design - SB
T RW Seg 16NB Truck,1
4819,65,173,65,408,65
T RW Seg 16NB Truck,2
4819,65,173,65,408,65
T RW Seg 16NB Car,3
3485,65,115,65,0,0
T RW Seg 16NB Car,4
3485,65,115,65,0,0
T RW Seg 16NB HOV,5
3000,65,0,0,0,0
T RW Seg 16NB HOV,6
3000,65,0,0,0,0
T RW Seg 16NB On Ramp from Tamarack,7
950,45,24,45,26,45
T RW Seg 16NB Off Ramp to Carsbad Village,8
950,45,24,45,26,45
T RW Seg 16SB Truck,9
4819,65,173,65,408,65
T RW Seg 16SB Truck,10
4819,65,173,65,408,65
T RW Seg 16SB Car,11
3485,65,115,65,0,0
T RW Seg 16SB Car,12
3485,65,115,65,0,0
T RW Seg 16SB HOV,13
3000,65,0,0,0,0
T RW Seg 16SB HOV,14
3000,65,0,0,0,0
T RW Seg 16SB Off Ramp to Tamarack,15
950,45,24,45,26,45
T RW Seg 16SB On Ramp from Carlsbad Village,16
950,45,24,45,26,45
L I-5 Seg 17NB Truck,1
N,98715.01,9748.36,14.2, Sta.801.4
N,98674.85,9831.48,14.8, Sta.802.4
N,98654.69,9872.56,15, Sta.803
N,98613.18,9962.77,15.6, Sta.804
N,98569.28,10052.59,17.5, Sta.805
N,98528.52,10144.08,20, Sta.806
N,98488.68,10234.85,22.5, Sta.807
N,98451.26,10327.65,25, Sta.808
N,98412.38,10419.82,26.5, Sta.809
N,98373.08,10512.23,27.5, Sta.810
N,98335.98,10604.45,28, Sta.811
N,98297.88,10697.22,27.8, Sta.812
N,98259.3,10789.39,27.8, Sta.813
N,98220.86,10881.39,27.9, Sta.814
98182.62,10974.62,28.2, Sta.815
L I-5 Seg 17NB Truck,2
N,98182.62,10974.62,28.2, Sta.815
N,98144.01,11067.05,28.7, Sta.816
N,98105.7,11158.99,28.2, Sta.817
N,98066.21,11252.13,27, Sta.818
98028.58,11343.77,26.2, Sta.819
L I-5 Seg 17NB Cars,3

N,98708.49,9744.61,14.3, Sta.801.4
N,98668.6,9828.4,15.3, Sta.802.4
N,98648.69,9869.67,15.8, Sta.803
N,98605.4,9958.79,17.7, Sta.804
N,98562.45,10049.94,20.2, Sta.805
N,98520.2,10140.67,22.7, Sta.806
N,98482.18,10232.33,25.1, Sta.807
N,98443.82,10324.84,26.7, Sta.808
N,98404.99,10416.81,27.2, Sta.809
N,98367.09,10509.64,28.1, Sta.810
N,98327.83,10601.14,28, Sta.811
N,98289.71,10693.09,27.9, Sta.812
N,98251.16,10785.85,28, Sta.813
N,98213.85,10878.65,28.3, Sta.814
98174.61,10970.74,28.6, Sta.815
L I-5 Seg 17NB Cars,4
N,98174.61,10970.74,28.6, Sta.815
N,98136.41,11064.33,28.7, Sta.816
N,98097.57,11155.68,28.5, Sta.817
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98022.06,11341,26.4, Sta.819
L I-5 Seg 17NB HOV,5
N,98700.11,9740.36,14.6, Sta.801.4
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N,98639.88,9865.24,16, Sta.803
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N,98553.42,10045.39,20.5, Sta.805
N,98512.6,10137.09,23, Sta.806
N,98473.22,10228.4,25.2, Sta.807
N,98434.49,10320.83,26.7, Sta.808
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N,98358.74,10505.75,28, Sta.810
N,98319.87,10598.22,28, Sta.811
N,98281.2,10690.34,28.1, Sta.812
N,98243.33,10782.37,28.53, Sta.813
N,98205.29,10874.71,28.4, Sta.814
98166.62,10967.35,28.6, Sta.815
L I-5 Seg 17NB HOV,6,
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N,98128.09,11060.06,28.7, Sta.816
N,98089.62,11152.8,28.7, Sta.817
N,98050.87,11245.4,28.4, Sta.818
98012.92,11337.33,26.4, Sta.819
L I-5 Seg 17NB On Ramp from Tamarack,7
Y,98714.22,9853.37,23.1, Sta.802.5
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N,98576.15,10056.01,20, Sta.805
98532.06,10146.19,22.5, Sta.806
L I-5 Seg 17NB Off Ramp to Carsbad Village,8
N,98268.58,10769.64,27.95,L11.812+78
N,98244.41,10847.89,27.9,L11.813+60
N,98232.58,10886.18,27.9,L11.814+00
Y,98214.84,10943.63,27.1,L11.814+60
Y,98203.94,10981.82,25.9,L11.815+00

N,98177.13,11078.28,23,L11.816+00
L I-5 Seg 17SB Truck,9
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N,98020.56,11233.22,27.3, Sta.818
N,98059.38,11140.49,28.4, Sta.817
N,98096.73,11047.31,28.75, Sta.816
N,98135.43,10954.93,28.5, Sta.815
N,98174.41,10862.99,28.2, Sta.814
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N,98250.81,10677.83,27.75, Sta.812
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N,98365.69,10400.7,27.5, Sta.809
N,98404.55,10307.82,26.5, Sta.808
N,98443.22,10215.71,25, Sta.807
N,98482.25,10122.4,22.5, Sta.806
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L I-5 Seg 17SB Truck,10
N,98524.62,10032.2,20, Sta.805
N,98566.78,9941.43,17.5, Sta.804
N,98610.75,9850.65,15.75, Sta.803
N,98630.58,9808.17,15.25, Sta.802.5
98669.45,9725.8,14.25, Sta.801.5
L I-5 Seg 17SB Cars,11
N,97990.41,11328.3,26.4, Sta.819
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N,98065.93,11142.98,28.5, Sta.817
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N,98181.36,10865.11,28.3, Sta.814
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N,98258.8,10681.12,27.8, Sta.812
N,98297.73,10588.74,27.9, Sta.811
N,98334.96,10495.55,28.1, Sta.810
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N,98411.45,10310.97,26.8, Sta.808
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N,98489.84,10126.1,22.7, Sta.806
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L I-5 Seg 17SB Cars,12
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N,98574.38,9945.01,17.7, Sta.804
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N,98636.72,9811.66,15.3, Sta.802.5
98676.67,9729.01,14.4, Sta.801.5
L I-5 Seg 17SB HOV,13
N,97998.97,11331.67,26.4, Sta.819
N,98036.35,11239.73,27.5, Sta.818
N,98075,11146.68,28.6, Sta.817
N,98113.73,11054.55,28.9, Sta.816
N,98151.8,10961.94,28.6, Sta.815
N,98190.42,10868.76,28.3, Sta.814
N,98228.77,10776.17,28.3, Sta.813
N,98266.67,10683.99,28.1, Sta.812
N,98305.03,10592.11,28.1, Sta.811
N,98343.42,10499.03,28.2, Sta.810

N,98381.91,10407.46,27.8, Sta.809
N,98420.08,10314.66,26.8, Sta.808
N,98458.83,10222.3,25.3, Sta.807
N,98497.72,10129.9,23, Sta.806
98539.44,10039.29,20.3, Sta.805
L I-5 Seg 17SB HOV,14
N,98539.44,10039.29,20.3, Sta.805
N,98582.75,9949.08,17.7, Sta.804
N,98625.9,9858.5,15.8, Sta.803
N,98645.78,9816.46,15.5, Sta.802.5
98685.59,9733.67,14.5, Sta.801.5
L I-5 Seg 17SB Off Ramp to Tamarack,15
Y,98474.07,10132.70,22.9,L10.806+10
N,98498.00,10064.76,20.3,L10.805+20
N,98519.01,10008.42,19.2,L10.804+80
N,98548.82,9934.19,18.5,L10.804+00
N,98563.78,9896.96,19,L10.803+60
N,98581.07,9840.18,20.8,L10.803+00
N,98590.52,9799.26,21.2,L10.802+60
L I-5 Seg 17SB On Ramp from Carlsbad Village Drive,16
Y,98072.97,11013.63,22.4,L12.815+80
Y,98114.21,10944.91,25.2,L12.815+00
N,98142.16,10891.48,27.2,L12.814+40
N,98160.64,10856.15,27.8,L12.814+00
N,98205.79,10767.26,27.7,L12.813+00
N,98237.31,10693.44,27.6,L12.812+20
Barrier   1 Center Jersey Barrier , 1, 2, 0, 0
98652.45, 9819.3, 15.40, 16.40, 802.4 C
98632.8, 9862.29, 15.80, 16.80, 803 C
98589.76, 9952.35, 17.74, 18.74, 804 C
98546.74, 10042.25, 20.40, 21.40, 805 C
98504.83, 10133.4, 23.00, 24.00, 806 C
98466.24, 10225.27, 25.26, 26.26, 807 C
98427.79, 10318.14, 26.83, 27.83, 808 C
98388.77, 10410.06, 27.80, 28.80, 809 C
98350.53, 10502.23, 28.32, 29.32, 810 C
98313.01, 10595.1, 28.13, 29.13, 811 C
Barrier   2 Center Jersey Barrier , 2, 2 ,0 ,0
98313.01, 10595.1, 28.13, 29.13, 811 C
98273.57, 10687.25, 28.10, 29.10, 812 C
98235.4, 10779.29, 28.32, 29.32, 813 C
98197.75, 10872.08, 28.40, 29.40, 814 C
98158.65, 10964.25, 28.72, 29.72, 815 C
98119.4, 11060.79, 28.90, 29.90, 816 C
Barrier 3 Soundwall ROW SB, 3, 2, 0, 0
98577.70, 9840.95, 20.80, 24.46, 803S
98546.98, 9933.18, 20.20, 23.86, 804S
98507.24, 10025.57, 20.10, 23.76, 805S
98473.31, 10119.07, 22.70, 26.36, 806S
98473.31, 10119.07, 22.70, 25.14, 806S
98436.50, 10213.37, 24.80, 27.24, 807S
98398.05, 10306.51, 26.23, 28.67, 808S
98398.05, 10306.51, 26.23, 29.28, 808S
98359.17, 10397.63, 27.36, 30.41, 809S
98319.39, 10490.84, 27.89, 30.94, 810S
Barrier 4 Soundwall ROW SB, 4, 2, 0, 0

98319.39, 10490.84, 27.89, 31.55, 810S
98290.80, 10554.28, 27.80, 32.68, 810.7S
98280.23, 10582.61, 27.70, 32.58, 811S
98241.08, 10674.37, 27.80, 32.68, 812S
98200.34, 10764.70, 27.70, 32.58, B5.6.813+00
98200.34, 10764.70, 27.70, 30.74, B5.6.813+00
98176.26, 10815.04, 27.80, 30.84, B5.5.813+55
98144.38, 10869.41, 27.60, 30.64, B5.4.814.20
98141.99, 10878.44, 27.40, 30.44, B5.3.814+30
98108.97, 10942.04, 25.20, 28.24, B5.2.815+00
Barrier 5 Terrain Line ROW SB, 5, 2, 0, 0
98124.89, 10950.14, 26.50, 26.50, 815S
98114.17, 10973.45, 25.00, 25.00, 815.3S
98095.66, 10995.97, 23.00, 23.00, 815.5S
Barrier 6 Edge of traveled way Bridge SB, 6, 2, 0, 0
98115.28, 10986.90, 28.5, 28.5, 815.4S
98099.32, 11025.63, 28.7, 28.7, 815.8S
98099.32, 11025.63, 28.7, 29.7, 815.8S
98084.77, 11060.95, 28.7, 29.7, 816.1S
98084.77, 11060.95, 28.7, 28.7, 816.1S
98029.15, 11194.19, 27.6, 27.6, 817.6S
Barrier 7 Building SB , 7, 2, 0, 0
98263.7746, 10602.0951, 21.3, 31.3, 811.2SB
98253.9197, 10617.6956, 21.3, 31.3, 811.3SB
Barrier 8 Building SB , 8, 2, 0, 0
98248.4238, 10626.1487, 21.4, 31.4, 811.5SB
98233.3466, 10648.6614, 21.4, 31.4, 811.8SB
Barrier 9 Building SB , 9, 2, 0, 0
98349.4069, 10390.8292, 20.7, 30.7, 809SB
98339.0357, 10405.8712, 20.7, 30.7, 809.2SB
Barrier 10 Building SB, 10, 2, 0, 0
98381.12, 10296.99, 20.3, 30.3, 808SB
98377.9, 10305.78, 20.3, 30.3, 808.1SB
Barrier 11 Building SB, 11, 2, 0, 0
98376.49, 10310.49, 20.3, 30.3, 808.1SB
98371.98, 10318.89, 20.3, 30.3, 808.2SB
Barrier 12 Building SB, 12, 2, 0, 0
98180.05, 10530.50, 20.0, 30.0, 811SB
98258.75, 10583.13, 20.0, 30.0, 811.15SB
Barrier 13 Building SB, 13, 2, 0, 0
98151.14, 10574.03, 20.0, 30.0, 811.75SB
98226.87, 10625.37, 20.0, 30.0, 811.75SB
Barrier 14 Building SB, 14, 2, 0, 0
98459.55, 10121.38, 19.73, 23.7, 806.1SB
98454.06, 10130.66, 19.73, 23.7, 806.1SB
R 17.17, 1 , 55, 10
98138.62,10855.90,23.69, LT17.4
R 17.18, 2 , 55, 10
98116.27, 10829.17, 22.9, 18SF
R 17.19, 3 , 55, 10
98229.98, 10683.42, 23.2, 19MF
R 17.20, 4 , 55, 6
98238.53, 10612.06, 22.4, 20MF
R 17.21, 5 , 55, 2
98175.46, 10549.9, 20.9, 21MF+SF
R 17.22, 6 , 55, 1

98213.3, 10575.42, 21.8, 22MF
R 17.23, 7 , 55, 6
98258.83, 10581.37, 22.6, 23MF
R 17.24, 8 , 55, 6
98307.4, 10369.36, 21.6, 24MF
R 17.25, 9 , 55, 12
98350.65, 10388.74, 22.6, ST17.4
R 17.26, 10 , 55, 10
98344.64, 10302.39, 21.4, 26MF+SF
R 17.27, 11 , 55, 6
98367.99, 10304.52, 21.5, 27MF+SF
R 17.28, 12 , 55, 16
98421.79, 10193.11, 21.1, LT17.2
R 17.29, 13 , 55, 8
98456.43, 10132.88, 21.0, 29SF
R 17.30, 14 , 55, 8
98441.91, 10124.4, 21.1, 30SF
R 17.31, 15 , 55, 18
98456.71, 10075.56, 21.4, 31MF
R 17.32, 16 , 55, 10
98486.1, 10018.55, 21.4, 32MF
R 17.33, 17 , 55, 12
98498.98, 10022.54, 20, ST17.2/CAL
R 17.34, 18 , 55, 10
98559.38, 9877.33, 21.3, 34MF
D, 4.5
ALL, ALL
K, 0.
All, All

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGMENT 17 SB TAMARACK TO CARLSBAD - DESIGN - SB

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	3.*							802.4	C	155.1
2	-	3.*							803	C	327.6
3	-	3.*							804	C	327.0
4	-	3.*							805	C	329.3
5	-	3.*							806	C	327.0
6	-	3.*							807	C	329.8
7	-	3.*							808	C	327.6
8	-	3.*							809	C	327.4
9	-	3.*							810	C	328.6
10	-	3.*							811	C	328.9
11	-	3.*							812	C	326.8
12	-	3.*							813	C	328.6
13	-	3.*							814	C	328.4
14	-	3.*							815	C	342.0
15	-	12.*							803S		319.0
16	-	12.*							804S		330.0
17	-	12.*							805S		326.4
18	-	10.*							806S		4.0
19	-	8.*							806S		332.2
20	-	8.*							807S		330.7
21	-	9.*							808S		2.0
22	-	10.*							808S		325.1
23	-	10.*							809S		332.5
24	-	14.*							810S		228.3
25	-	16.*							810.7S		99.2
26	-	16.*							811S		327.3
27	-	16.*							812S		325.2
28	-	13.*							B5.6.81		6.0
29	-	10.*							B5.6.81		183.0
30	-	10.*							B5.5.81		206.8
31	-	10.*							B5.4.81		30.6
32	-	10.*							B5.3.81		235.3
33	-	0.*							815S		84.3
34	-	0.*							815.3S		95.9
35	-	0.*							815.4S		137.3
36	-	2.*							815.8S		3.2
37	-	3.*							815.8S		125.4
38	-	2.*							816.1S		3.2

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39    -  0.*                        816.1S   473.7

40    - 33.*                        811.2SB   60.5

41    - 33.*                        811.5SB   88.9

42    - 33.*                        809SB     60.0

43    - 33.*                        808SB     30.7

44    - 33.*                        808.1SB   31.2

45    - 33.*                        811SB    310.6

46    - 33.*                        811.75S  300.1

47    - 13.*                        806.1SB   35.4
-------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
 REC REC ID    DNL  PEOPLE   LEQ(CAL)
 ------------------------------
  1  LT17.4   67.    500.   65.5
  2   18SF    67.    500.   67.3
  3   19MF    67.    500.   64.9
  4   20MF    67.    500.   63.7
  5   21MF+S  67.    500.   59.7
  6   22MF    67.    500.   61.3
  7   23MF    67.    500.   63.9
  8   24MF    67.    500.   66.5
  9  ST17.4   67.    500.   66.7
 10   26MF+S  67.    500.   67.2
 11   27MF+S  67.    500.   66.7
 12   LT17.2  67.    500.   69.3
 13   29SF    67.    500.   69.1
 14   30SF    67.    500.   69.6
 15   31MF    67.    500.   69.4
 16   32MF    67.    500.   70.0
 17   ST17.2  67.    500.   67.9
 18   34MF    67.    500.   67.2
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.12.12.12.10. 8. 8. 9.10.10.14.16.
16.16.13.10.10.10.10. 0. 0. 0. 2. 3. 2. 0.33.33.33.33.33.33.33.13.
```

Roadway Segment 18 Carlsbad Village Rd. to Vista Way Highway 78 - North Bound - No Build
T RW Seg 18NB Truck, 1
0, 0, 0, 0, 0, 0
T RW Seg 18NB Truck, 2
0, 0, 0, 0, 0, 0
T RW Seg 18NB Car, 3
5008, 65, 86, 65, 306, 65
T RW Seg 18NB Car, 4
5008, 65, 86, 65, 306, 65
T RW Seg 18NB HOV, 5
3470, 65, 130, 65, 0 , 0
T RW Seg 18NB HOV, 6
3470, 65, 130, 65, 0 , 0
T RW Seg 18NB On Ramp from Carsbad Village, 7
485, 45, 12, 45, 13, 45
T RW Seg 18NB Off Ramp to Los Flores, 8
371, 45, 5, 45, 4, 45
T RW Seg 18NB On Ramp from Los Flores, 9
517, 45, 7, 45, 5, 45
T RW Seg 18NB NB Off Ramp to EB SR78, 10
945, 45, 27, 45, 28, 45
T RW Seg 18NB NB Off Loop to WB SR78, 11
284, 25, 8, 25, 8, 25
T RW Seg 18SB Truck, 12
0, 0, 0, 0, 0, 0
T RW Seg 18SB Truck, 13
0, 0, 0, 0, 0, 0
T RW Seg 18SB Car, 14
5008, 65, 86, 65, 306, 65
T RW Seg 18SB Car, 15
5008, 65, 86, 65, 306, 65
T RW Seg 18SB HOV, 16
3470, 65, 130, 65, 0 , 0
T RW Seg 18SB HOV, 17
3470, 65, 130, 65, 0 , 0
T RW Seg 18SB Off Loop to SR78, 18
1890, 25, 54, 25, 56, 25
T RW Seg 18SB On Ramp from SR78, 19
945, 45, 27, 45, 28, 45
T RW Seg 18SB Offramp to Los Flores, 20
273, 45, 4, 45, 3, 45
T RW Seg 18SB Onramp from Los Flores, 21
234, 45, 3, 45, 2, 45
T RW Seg 18SB Offramp to Carsbad Village, 22
542, 45, 14, 45, 15, 45
L I-5 Seg 18NB Truck, 1
N, 98220.86, 10881.39, 27.9, Sta.814
N, 98182.62, 10974.62, 28.2, Sta.815
N, 98142.89, 11067.76, 28.5, Sta.816
N, 98105.7, 11158.99, 28.2, Sta.817
N, 98066.21, 11252.13, 27, Sta.818
N, 98028.58, 11343.77, 26.2, Sta.819
N, 97990.25, 11436.3, 25.7, Sta.820
N, 97952.5, 11528.62, 25.6, Sta.821
N, 97912.67, 11620.61, 25.2, Sta.822
N, 97866.15, 11711.22, 23.3, Sta.823

N, 97814.43, 11799.02, 20.7, Sta.824
N, 97762.19, 11885.06, 18, Sta.825
N, 97709.81, 11970.16, 15.7, Sta.826
N, 97657.39, 12054.9, 13.4, Sta.827
 97604.74, 12139.63, 10.4, Sta.828
L I-5 Seg 18NB Truck, 2
N, 97604.74, 12139.63, 10.4, Sta.828
N, 97548.77, 12222.53, 8.8, Sta.829
N, 97498.65, 12308.95, 6.6, Sta.830
N, 97444.78, 12394.1, 6.7, Sta.831
Y, 97393.18, 12478.17, 9.2, Sta.832
N, 97340.87, 12563.93, 12.5, Sta.833
N, 97286.52, 12647.92, 15.5, Sta.834
N, 97228.87, 12732.35, 18.1, Sta.835
 97171.94, 12813.13, 20.8, Sta.836
L I-5 Seg 18NB Cars, 3
N, 98213.85, 10878.65, 28.3, Sta.814
N, 98174.61, 10970.74, 28.6, Sta.815
N, 98135.65, 11064.5, 28.7, Sta.816
N, 98097.57, 11155.68, 28.5, Sta.817
N, 98059.3, 11249.22, 27.3, Sta.818
N, 98022.06, 11341, 26.4, Sta.819
N, 97983.19, 11433.26, 25.8, Sta.820
N, 97944.06, 11525.14, 25.6, Sta.821
N, 97904.6, 11617.78, 25.5, Sta.822
N, 97857.88, 11706.75, 23.2, Sta.823
N, 97808.03, 11795.46, 20.8, Sta.824
N, 97755.11, 11880.05, 17.8, Sta.825
N, 97702.79, 11965.7, 15.8, Sta.826
N, 97650.28, 12050.51, 13.5, Sta.827
 97598.18, 12135.07, 11, Sta.828
L I-5 Seg 18NB Cars, 4
N, 97598.18, 12135.07, 11, Sta.828
N, 97543.97, 12219.42, 8.9, Sta.829
N, 97489.54, 12307.78, 6.6, Sta.830
N, 97439.67, 12390.82, 6.7, Sta.831
Y, 97387.2, 12474.34, 9.3, Sta.832
Y, 97334.2, 12559.7, 12.5, Sta.833
N, 97279.65, 12644.57, 15.6, Sta.834
N, 97223.24, 12728.07, 18.3, Sta.835
 97166.02, 12809.67, 20.8, Sta.836
L I-5 Seg 18NB HOV, 5
N, 98205.29, 10874.71, 28.4, Sta.814
N, 98166.62, 10967.35, 28.6, Sta.815
N, 98127.17, 11060.89, 28.8, Sta.816
N, 98089.62, 11152.8, 28.7, Sta.817
N, 98050.87, 11245.4, 28.4, Sta.818
N, 98012.92, 11337.33, 26.4, Sta.819
N, 97974.08, 11429.43, 26, Sta.820
N, 97936.68, 11522.05, 25.5, Sta.821
N, 97895.78, 11614.04, 24.8, Sta.822
N, 97849.92, 11703.12, 23, Sta.823
N, 97799.68, 11790.48, 20.7, Sta.824
N, 97747.87, 11875.71, 18.3, Sta.825
N, 97694.92, 11960.46, 15.9, Sta.826
N, 97642.61, 12045.77, 13.6, Sta.827

N, 97590.02, 12130.6, 11.5, Sta.828
L I-5 Seg 18NB HOV, 6
N, 97590.02, 12130.6, 11.5, Sta.828
N, 97538.09, 12215.94, 9, Sta.HOV
N, 97485.34, 12300.5, 6.7, Sta.830
N, 97431.99, 12385.85, 6.9, Sta.831
N, 97379.75, 12470.51, 9.4, Sta.832
N, 97328.11, 12555.76, 12.5, Sta.833
N, 97273.77, 12640.27, 15.5, Sta.834
N, 97216.27, 12723.46, 18.3, Sta.835
 97158.9, 12805.03, 20.8, Sta.836
L I-5 Seg 18NB NB On Ramp from Carsbad Village Drive, 7
N, 98172.31, 11097.22, 23.3, Sta.816.2
Y, 98138.31, 11139.49, 24.8, Sta.816.75
N, 98122.73, 11167.75, 26.6, Sta.817
N, 98100.7, 11211.78, 26.8, Sta.817.5
N, 98078.22, 11256.55, 26.8, Sta.818
N, 98035.46, 11346.38, 25.7, Sta.819
    97996.4, 11439.89, 25.5, Sta.820
L I-5 Seg 18NB NB Off Ramp to Los Flores Drive, 8
N, 97956.78, 11530.85, 27, Sta.821
N, 97917.01, 11622.75, 25.1, Sta.822
N, 97878.03, 11716.78, 23.7, Sta.823
N, 97840.22, 11809.64, 24.3, Sta.824
 97822.00, 11877.00, 25.8, Sta.824.8
L I-5 Seg 18NB NB On ramp from Los Flores Drive, 9
Y, 97814.00, 11888.00, 26, Sta.824.7
Y, 97779.07, 11927.87, 21.9, Sta.825.3
Y, 97744.73, 11964.51, 17.7, Sta.825.8
N, 97707.69, 12006.35, 14.7, Sta.826.3
Y, 97671.56, 12051.74, 13.2, Sta.826.9
N, 97638.29, 12101.54, 11, Sta.827.5
N, 97611.29, 12143.33, 11.5, Sta.827.9
 97557.91, 12228.37, 8.8, Sta.829
L I-5 Seg 18NB NB Off Ramp to EB SR78, 10
N, 97558.71, 12228.88, 8.8, Sta.829
N, 97506.24, 12313.53, 6.6, Sta.830
Y, 97457.43, 12400.39, 6.7, Sta.831
Y, 97413.32, 12488.31, 11, Sta.832
Y, 97404.5, 12537.78, 16, Sta.832.5
Y, 97408.59, 12586.73, 19, Sta.833
Y, 97423.78, 12630.65, 15, Sta.833.5
N, 97451.87, 12672.73, 11, Sta.834
 97526, 12738, 8, Sta.835
L I-5 Seg 18NB NB Off Loop to WB SR78, 11
N, 97444.78, 12394.1, 6.2, Sta.831
N, 97398.24, 12481.76, 8.45, Sta.832
N, 97349.91, 12568.91, 11.2, Sta.833
N, 97325.86, 12612.83, 11.8, Sta.833.6
N, 97303.86, 12657.85, 11.3, Sta.834
Y, 97301.34, 12681.57, 10.8, Sta.834.3
Y, 97321.05, 12702.32, 9.8, Sta.834.6
Y, 97352.09, 12699.3, 8.5, Sta.834.9
N, 97365.51, 12670.73, 6.9, Sta.835.3
 97354.41, 12644.89, 6.1, Sta.835.6
L I-5 Seg 18SB Truck, 12

N, 97130.72, 12786.87, 20.5, Sta.836
Y, 97186.1, 12703.44, 18, Sta.835
N, 97273.01, 12575.98, 13.5, Sta.834
Y, 97298.15, 12536.88, 12.3, Sta.833
N, 97349.72, 12451.77, 9, Sta.832
N, 97402.02, 12367.14, 6.5, Sta.831
N, 97455.75, 12281.47, 6.5, Sta.830
N, 97508.11, 12196.93, 8.7, Sta.829
 97560.19, 12112.31, 11.1, Sta.828
L I-5 Seg 18SB Truck, 13
N, 97560.19, 12112.31, 11.1, Sta.828
N, 97612.73, 12027.35, 13.4, Sta.827
N, 97666.94, 11943.03, 15.7, Sta.826
N, 97719.25, 11857.94, 18, Sta.825
N, 97772.44, 11773.49, 20.3, Sta.824
N, 97820.86, 11689.19, 22.3, Sta.823
N, 97865.42, 11600.52, 24.2, Sta.822
N, 97905.96, 11509.55, 25.2, Sta.821
N, 97943.58, 11417.38, 25.7, Sta.820
N, 97981.81, 11324.91, 26.2, Sta.819
N, 98020.56, 11233.22, 27.3, Sta.818
N, 98059.38, 11140.49, 28.4, Sta.817
N, 98097.34, 11048.11, 28.75, Sta.816
N, 98135.43, 10954.93, 28.5, Sta.815
 98174.41, 10862.99, 28.2, Sta.814
L I-5 Seg 18SB Cars, 14
N, 97137.96, 12791.81, 20.8, Sta.836
N, 97193.32, 12707.9, 18.3, Sta.835
N, 97279.69, 12581.35, 13.6, Sta.834
N, 97305.79, 12541.26, 12.4, Sta.833
N, 97357.58, 12456.6, 9.3, Sta.832
N, 97410.1, 12371.75, 6.7, Sta.831
N, 97462.63, 12285.75, 6.6, Sta.830
N, 97515.79, 12201.44, 8.8, Sta.829
N, 97567.51, 12116.64, 11.1, Sta.828
L I-5 Seg 18SB Cars, 15
N, 97567.51, 12116.64, 11.1, Sta.828
N, 97619.85, 12032.26, 13.5, Sta.827
N, 97673.8, 11947, 15.8, Sta.826
N, 97726.83, 11863.09, 18, Sta.825
N, 97778.35, 11777.43, 20.4, Sta.824
N, 97827.96, 11692.37, 22.7, Sta.823
N, 97872.99, 11604.01, 24.3, Sta.822
N, 97912.96, 11512.5, 25.3, Sta.821
N, 97951.12, 11420.17, 25.8, Sta.820
N, 97990.41, 11328.3, 26.4, Sta.819
N, 98027.33, 11235.95, 27.3, Sta.818
N, 98065.93, 11142.98, 28.5, Sta.817
N, 98103.89, 11050.6, 28.8, Sta.816
N, 98142.38, 10957.58, 28.5, Sta.815
 98181.36, 10865.11, 28.3, Sta.814
L I-5 Seg 18SB HOV, 16
N, 97145.23, 12796.07, 20.8, Sta.836
N, 97202.24, 12714.23, 18.4, Sta.835
N, 97287.95, 12586.51, 14, Sta.834
N, 97313.12, 12546.46, 12.4, Sta.833

N, 97366.03, 12461.85, 9.4, Sta.832
N, 97418.75, 12377.49, 6.9, Sta.831
N, 97471.03, 12291.43, 6.7, Sta.830
N, 97523.03, 12206.36, 9, Sta.829
N, 97576.37, 12121.94, 11.4, Sta.828
L I-5 Seg 18SB HOV, 17
N, 97576.37, 12121.94, 11.4, Sta.828
N, 97628.77, 12037.13, 13.7, Sta.827
N, 97681.33, 11952.24, 15.9, Sta.826
N, 97733.71, 11867.14, 18.2, Sta.825
N, 97786.81, 11782.52, 20.6, Sta.824
N, 97835.89, 11696.61, 22.8, Sta.823
N, 97881.05, 11607.57, 24.6, Sta.822
N, 97921.85, 11516.21, 25.4, Sta.821
N, 97959.27, 11423.43, 25.9, Sta.820
N, 97998.97, 11331.67, 26.4, Sta.819
N, 98036.35, 11239.73, 27.5, Sta.818
N, 98075.00, 11146.68, 28.6, Sta.817
N, 98113.07, 11054.98, 28.9, Sta.816
N, 98151.8, 10961.94, 28.6, Sta.815
98190.42, 10868.76, 28.3, Sta.814
L I-5 Seg 18SB Off Loop to SR78, 18
N, 97240.41, 12536.85, 13, Sta.829.75
N, 97248.6, 12471.46, 9, Sta.830.35
N, 97258.67, 12425.35, 9.5, Sta.830.8
N, 97287.52, 12402.95, 12.5, Sta.831.25
N, 97320.97, 12415.16, 16, Sta.831.65
N, 97329.36, 12456.55, 20, Sta.832.15
N, 97289.87, 12531.89, 23, Sta.833
97240.59, 12617.97, 15.2, Sta.834
L I-5 Seg 18SB On Ramp from SR78, 19
Y, 97227.23, 12532.97, 22.9, Sta.833.7
Y, 97237.69, 12455.79, 19, Sta.833
Y, 97258.9, 12405.37, 14.9, Sta.832.5
Y, 97304.49, 12389.5, 10.8, Sta.832
N, 97354.3, 12385.74, 7.7, Sta.831.5
N, 97395.03, 12361.15, 6.4, Sta.831
97449.3, 12277.8, 6.5, Sta.830
L I-5 Seg 18SB SB Offramp to Los Flores Drive, 20
N, 97502.08, 12193.35, 8.7, Sta.829
N, 97552.61, 12107.39, 10.4, Sta.828
N, 97575.69, 12063.68, 11.7, Sta.827.5
N, 97598.18, 12018.22, 14.2, Sta.827
N, 97615.79, 11982.95, 17.1, Sta.826.6
N, 97635.54, 11933.38, 20.8, Sta.826.1
97645.77, 11884.98, 24.2, Sta.825.6
L I-5 Seg 18SB SB Onramp from Los Flores Drive, 21
Y, 97658.62, 11883.82, 24.7, Sta.825.5
Y, 97698.77, 11845.68, 21.2, Sta.825
N, 97730.41, 11809.17, 18.8, Sta.824.5
N, 97760.72, 11767.5, 19.8, Sta.824
N, 97785.87, 11726.75, 20.8, Sta.823.5
N, 97811.44, 11684.74, 22.1, Sta.823
N, 97858.47, 11598.57, 23.8, Sta.822
97900.11, 11507.59, 25.2, Sta.821
L I-5 Seg 18SB SB Offramp to Carsbad Village Drive, 22

N, 97938.84, 11415.38, 25.7, Sta.820
N, 97977.57, 11323.28, 26.1, Sta.819
N, 98008.01, 11227.95, 26.7, Sta.818
N, 98023.92, 11180.28, 26.1, Sta.817.5
N, 98036.73, 11132.3, 24.5, Sta.817
 98063.76, 11022.37, 22.5, Sta.815.8
Barrier 1 Soundwall ROW NB, 1, 2, 0, 0
98171.30, 11115.71, 24.20, 24.20, 816.3N
98131.70, 11171.21, 25.60, 25.60, 817N
98131.70, 11171.21, 25.60, 25.60, 817N
98082.93, 11259.06, 26.50, 26.50, 818N
98040.22, 11348.68, 26.30, 26.30, 819N
98000.41, 11440.45, 25.50, 25.50, 820N
97961.90, 11533.12, 25.50, 25.50, 821N
97922.17, 11625.61, 26.50, 26.50, 822N
97883.96, 11719.24, 26.00, 26.00, 823N
97848.43, 11811.8, 26.00, 26.00, 824N
Barrier 2 Soundwall ROW NB, 2, 2, 0, 0
97848.43, 11811.8, 26.00, 26.00, 824N
97837.20, 11873.94, 26.50, 26.50, 824.6N
97837.20, 11873.94, 26.50, 26.50, 824.6N
97825.72, 11889.84, 26.00, 26.00, 824.8N
97825.72, 11889.84, 26.00, 26.00, 824.8N
97804.66, 11917.37, 25.70, 25.70, 825N
97747.65, 11996.17, 25.50, 25.50, 826N
97692.22, 12077.22, 25.60, 25.60, 827N
97647.01, 12143.43, 24.60, 24.60, 827.8N
Barrier 3 Terrain Line NB, 3, 2, 0, 0
97647.01, 12143.43, 24.60, 24.60, 827.8NT
97743.26, 12171.77, 26.00, 26.00, 827.6
Barrier 4 Center Divider, 4, 2, 0, 0
98119.24, 11060.94, 29.00, 30.00, 816C
98081.54, 11149.62, 28.20, 29.20, 817C
98043.94, 11242.76, 27.00, 28.00, 818C
98005.63, 11334.39, 26.50, 27.50, 819C
97966.94, 11426.86, 25.90, 26.90, 820C
97928.24, 11518.68, 25.60, 26.60, 821C
97888.72, 11610.88, 24.70, 25.70, 822C
97842.98, 11699.62, 22.80, 23.80, 823C
97793.7, 11786.45, 20.50, 21.50, 824C
97741.2, 11871.89, 18.40, 19.40, 825C
Barrier 5 Center Divider -Cont., 5, 2, 0, 0
97741.2, 11871.89, 18.40, 19.40, 825C
97688.6, 11956.31, 16.00, 17.00, 826C
97635.48, 12041.31, 13.70, 14.70, 827C
97583.91, 12126.27, 11.50, 12.50, 828C
97531.05, 12211.33, 9.00, 10.00, 829C
97425.72, 12381.82, 6.90, 7.90, 831C
97372.89, 12466.18, 9.50, 10.50, 832C
97320.41, 12551.29, 12.50, 13.50, 833C
97295.3, 12591.88, 14.00, 15.00, 834C
97266.66, 12635.19, 15.50, 16.50, 834.5C
Barrier 6 Building 1, 6, 2, 0, 0
98095.45, 11303.6012, 26.40, 34.40, 818.4NB
98088.11, 11323.58, 26.40, 34.40, 818.6NB
Barrier 7 Terrain Line NB Las Flores, 7, 2, 0, 0

97772.84, 11883.43, 25.41, 25.41, 824.6NT
97912.13, 11882.16, 31.12, 31.12, 824.2NT
Barrier 8 Bridge edge of traveled way NB, 8, 2, 0, 0
98214.78, 10913.08, 28.30, 28.30, 814.4N
98153.87, 11059.96, 28.70, 28.70, 815.8N
98153.87, 11059.96, 28.70, 29.70, 815.8N
98138.83, 11096.23, 28.70, 29.70, 816.2N
98138.83, 11096.23, 28.70, 28.70, 816.2N
98099.26, 11191.65, 27.80, 27.80, 817.3N
Barrier 9 Bridge edge of traveled way NB, 9, 2, 0, 0
97549.1654, 12249.8416, 8.20, 9.20, 829.2N
97533.4471, 12276.499, 7.40, 8.40, 829.6N
R 18.1, 1 ,55, 4.00
98112.60, 11319.58, 29.2, 18.1 SF
R 18.1A, 2 ,55, 4.00
98047.13, 11432.88, 28.92, 18.1A SF
R 18.2, 3 ,55, 5.00
98014.72, 11515.03, 28.50, 18.2 SF
R 18.2A, 4 ,55, 6.00
97967.29, 11575.43, 28.08, 18.2A Park
R 18.3, 5 ,55, 6.00
97970.91, 11614.39, 30.00, LT18.1
R 18.4, 6 ,55, 2.00
98008.73, 11760.49, 34.00, 18.4 School
R 18.5, 7 ,55, 3.00
97934.20, 11754.79, 32.00, ST18.3
R 18.6, 8 ,55, 1.00
97905.78, 11846.99, 32.00, 18.6 SF
R 18.7, 9 ,55, 1.00
97869.11, 11839.57, 29.00, 18.7 SF
R 18.7A, 10 ,55, 3.00
97807.10, 11933.07, 27.60, 18.7A SF
R 18.8, 11 ,55, 1.00
97785.73, 12127.11, 30.00, 18.8 SF
R 18.9, 12 ,55, 1.00
97722.86, 12140.08, 28.00, 18.9 SF
D, 4.5
A,A
ALL, ALL
K, 0.
All, All
K, -5
All, 6

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGMENT 18 CARLSBAD VILLAGE RD. TO VISTA WAY HIGHWAY 78 - NO BUILD-NORTH BOUND

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	- 0.*								816.3N	223.7	
2	- 0.*								817N	.0	
3	- 0.*								817N	329.6	
4	- 0.*								818N	325.7	
5	- 0.*								819N	328.2	
6	- 0.*								820N	329.2	
7	- 0.*								821N	330.3	
8	- 0.*								822N	331.8	
9	- 0.*								823N	325.2	
10	- 0.*								824N	207.2	
11	- 0.*								824.6N	.0	
12	- 0.*								824.6N	64.4	
13	- 0.*								824.8N	.0	
14	- 0.*								824.8N	113.7	
15	- 0.*								825N	319.0	
16	- 0.*								826N	322.2	
17	- 0.*								827N	263.0	
18	- 0.*								827.8NT	329.2	
19	- 3.*								816C	316.1	
20	- 3.*								817C	329.6	
21	- 3.*								818C	325.8	
22	- 3.*								819C	328.9	
23	- 3.*								820C	326.8	
24	- 3.*								821C	329.1	
25	- 3.*								822C	327.6	
26	- 3.*								823C	327.7	
27	- 3.*								824C	329.1	
28	- 3.*								825C	326.3	
29	- 3.*								826C	329.0	
30	- 3.*								827C	326.2	
31	- 3.*								828C	328.6	
32	- 3.*								829C	657.6	
33	- 3.*								831C	326.6	
34	- 3.*								832C	328.3	
35	- 3.*								833C	156.6	
36	- 3.*								834C	170.4	
37	- 26.*								818.4NB	69.9	

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38    -  0.*                        824.6NT   457.4

39    -  0.*                        814.4N    521.7
40    -  2.*                        815.8N      3.2
41    -  3.*                        815.8N    128.8
42    -  2.*                        816.2N      3.2
43    -  0.*                        816.2N    338.9

44    -  3.*                        829.2N    101.5
-------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
---------------------------------
 1   18.1 SF  67.    500.   70.9
 2   18.1A S  67.    500.   74.2
 3   18.2 SF  67.    500.   73.9
 4   18.2A P  67.    500.   76.2
 5   LT18.1   67.    500.   74.1
 6   18.4 SC  67.    500.   63.1
 7   ST18.3   67.    500.   71.7
 8   18.6 SF  67.    500.   70.4
 9   18.7 SF  67.    500.   72.4
10   18.7A S  67.    500.   72.7
11   18.8 SF  67.    500.   65.2
12   18.9 SF  67.    500.   67.3
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3.
 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.26. 0. 0. 2. 3. 2. 0. 3.
```

Roadway Segment 18 Carlsbad Village Rd. to Vista Way Highway 78 - South Bound - No Build
T RW Seg 18NB Truck, 1
0, 0, 0, 0, 0, 0
T RW Seg 18NB Truck, 2
0, 0, 0, 0, 0, 0
T RW Seg 18NB Car, 3
5008, 65, 86, 65, 306, 65
T RW Seg 18NB Car, 4
5008, 65, 86, 65, 306, 65
T RW Seg 18NB HOV, 5
3470, 65, 130, 65, 0 , 0
T RW Seg 18NB HOV, 6
3470, 65, 130, 65, 0 , 0
T RW Seg 18NB On Ramp from Carsbad Village, 7
485, 45, 12, 45, 13, 45
T RW Seg 18NB Off Ramp to Los Flores, 8
371, 45, 5, 45, 4, 45
T RW Seg 18NB On Ramp from Los Flores, 9
517, 45, 7, 45, 5, 45
T RW Seg 18NB NB Off Ramp to EB SR78, 10
945, 45, 27, 45, 28, 45
T RW Seg 18NB NB Off Loop to WB SR78, 11
284, 25, 8, 25, 8, 25
T RW Seg 18SB Truck, 12
0, 0, 0, 0, 0, 0
T RW Seg 18SB Truck, 13
0, 0, 0, 0, 0, 0
T RW Seg 18SB Car, 14
5008, 65, 86, 65, 306, 65
T RW Seg 18SB Car, 15
5008, 65, 86, 65, 306, 65
T RW Seg 18SB HOV, 16
3470, 65, 130, 65, 0 , 0
T RW Seg 18SB HOV, 17
3470, 65, 130, 65, 0 , 0
T RW Seg 18SB Off Loop to SR78, 18
1890, 25, 54, 25, 56, 25
T RW Seg 18SB On Ramp from SR78, 19
945, 45, 27, 45, 28, 45
T RW Seg 18SB Offramp to Los Flores, 20
273, 45, 4, 45, 3, 45
T RW Seg 18SB Onramp from Los Flores, 21
234, 45, 3, 45, 2, 45
T RW Seg 18SB Offramp to Carsbad Village, 22
542, 45, 14, 45, 15, 45
L I-5 Seg 18NB Truck, 1
N, 98220.86, 10881.39, 27.9, Sta.814
N, 98182.62, 10974.62, 28.2, Sta.815
N, 98142.89, 11067.76, 28.5, Sta.816
N, 98105.7, 11158.99, 28.2, Sta.817
N, 98066.21, 11252.13, 27, Sta.818
N, 98028.58, 11343.77, 26.2, Sta.819
N, 97990.25, 11436.3, 25.7, Sta.820
N, 97952.5, 11528.62, 25.6, Sta.821
N, 97912.67, 11620.61, 25.2, Sta.822
N, 97866.15, 11711.22, 23.3, Sta.823

N, 97814.43, 11799.02, 20.7, Sta.824
N, 97762.19, 11885.06, 18, Sta.825
N, 97709.81, 11970.16, 15.7, Sta.826
N, 97657.39, 12054.9, 13.4, Sta.827
97604.74, 12139.63, 10.4, Sta.828
L I-5 Seg 18NB Truck, 2
N, 97604.74, 12139.63, 10.4, Sta.828
N, 97548.77, 12222.53, 8.8, Sta.829
N, 97498.65, 12308.95, 6.6, Sta.830
N, 97444.78, 12394.1, 6.7, Sta.831
Y, 97393.18, 12478.17, 9.2, Sta.832
N, 97340.87, 12563.93, 12.5, Sta.833
N, 97286.52, 12647.92, 15.5, Sta.834
N, 97228.87, 12732.35, 18.1, Sta.835
97171.94, 12813.13, 20.8, Sta.836
L I-5 Seg 18NB Cars, 3
N, 98213.85, 10878.65, 28.3, Sta.814
N, 98174.61, 10970.74, 28.6, Sta.815
N, 98135.65, 11064.5, 28.7, Sta.816
N, 98097.57, 11155.68, 28.5, Sta.817
N, 98059.3, 11249.22, 27.3, Sta.818
N, 98022.06, 11341, 26.4, Sta.819
N, 97983.19, 11433.26, 25.8, Sta.820
N, 97944.06, 11525.14, 25.6, Sta.821
N, 97904.6, 11617.78, 25.5, Sta.822
N, 97857.88, 11706.75, 23.2, Sta.823
N, 97808.03, 11795.46, 20.8, Sta.824
N, 97755.11, 11880.05, 17.8, Sta.825
N, 97702.79, 11965.7, 15.8, Sta.826
N, 97650.28, 12050.51, 13.5, Sta.827
97598.18, 12135.07, 11, Sta.828
L I-5 Seg 18NB Cars, 4
N, 97598.18, 12135.07, 11, Sta.828
N, 97543.97, 12219.42, 8.9, Sta.829
N, 97489.54, 12307.78, 6.6, Sta.830
N, 97439.67, 12390.82, 6.7, Sta.831
Y, 97387.2, 12474.34, 9.3, Sta.832
Y, 97334.2, 12559.7, 12.5, Sta.833
N, 97279.65, 12644.57, 15.6, Sta.834
N, 97223.24, 12728.07, 18.3, Sta.835
97166.02, 12809.67, 20.8, Sta.836
L I-5 Seg 18NB HOV, 5
N, 98205.29, 10874.71, 28.4, Sta.814
N, 98166.62, 10967.35, 28.6, Sta.815
N, 98127.17, 11060.89, 28.8, Sta.816
N, 98089.62, 11152.8, 28.7, Sta.817
N, 98050.87, 11245.4, 28.4, Sta.818
N, 98012.92, 11337.33, 26.4, Sta.819
N, 97974.08, 11429.43, 26, Sta.820
N, 97936.68, 11522.05, 25.5, Sta.821
N, 97895.78, 11614.04, 24.8, Sta.822
N, 97849.92, 11703.12, 23, Sta.823
N, 97799.68, 11790.48, 20.7, Sta.824
N, 97747.87, 11875.71, 18.3, Sta.825
N, 97694.92, 11960.46, 15.9, Sta.826
N, 97642.61, 12045.77, 13.6, Sta.827

N, 97590.02, 12130.6, 11.5, Sta.828
L I-5 Seg 18NB HOV, 6
N, 97590.02, 12130.6, 11.5, Sta.828
N, 97538.09, 12215.94, 9, Sta.HOV
N, 97485.34, 12300.5, 6.7, Sta.830
N, 97431.99, 12385.85, 6.9, Sta.831
N, 97379.75, 12470.51, 9.4, Sta.832
N, 97328.11, 12555.76, 12.5, Sta.833
N, 97273.77, 12640.27, 15.5, Sta.834
N, 97216.27, 12723.46, 18.3, Sta.835
97158.9, 12805.03, 20.8, Sta.836
L I-5 Seg 18NB NB On Ramp from Carsbad Village Drive, 7
N, 98172.31, 11097.22, 23.3, Sta.816.2
Y, 98138.31, 11139.49, 24.8, Sta.816.75
N, 98122.73, 11167.75, 26.6, Sta.817
N, 98100.7, 11211.78, 26.8, Sta.817.5
N, 98078.22, 11256.55, 26.8, Sta.818
N, 98035.46, 11346.38, 25.7, Sta.819
97996.4, 11439.89, 25.5, Sta.820
L I-5 Seg 18NB NB Off Ramp to Los Flores Drive, 8
N, 97956.78, 11530.85, 27, Sta.821
N, 97917.01, 11622.75, 25.1, Sta.822
N, 97878.03, 11716.78, 23.7, Sta.823
N, 97840.22, 11809.64, 24.3, Sta.824
97822.00, 11877.00, 25.8, Sta.824.8
L I-5 Seg 18NB NB On ramp from Los Flores Drive, 9
Y, 97814.00, 11888.00, 26, Sta.824.7
Y, 97779.07, 11927.87, 21.9, Sta.825.3
Y, 97744.73, 11964.51, 17.7, Sta.825.8
N, 97707.69, 12006.35, 14.7, Sta.826.3
Y, 97671.56, 12051.74, 13.2, Sta.826.9
N, 97638.29, 12101.54, 11, Sta.827.5
N, 97611.29, 12143.33, 11.5, Sta.827.9
97557.91, 12228.37, 8.8, Sta.829
L I-5 Seg 18NB NB Off Ramp to EB SR78, 10
N, 97558.71, 12228.88, 8.8, Sta.829
N, 97506.24, 12313.53, 6.6, Sta.830
Y, 97457.43, 12400.39, 6.7, Sta.831
Y, 97413.32, 12488.31, 11, Sta.832
Y, 97404.5, 12537.78, 16, Sta.832.5
Y, 97408.59, 12586.73, 19, Sta.833
Y, 97423.78, 12630.65, 15, Sta.833.5
N, 97451.87, 12672.73, 11, Sta.834
97526, 12738, 8, Sta.835
L I-5 Seg 18NB NB Off Loop to WB SR78, 11
N, 97444.78, 12394.1, 6.2, Sta.831
N, 97398.24, 12481.76, 8.45, Sta.832
N, 97349.91, 12568.91, 11.2, Sta.833
N, 97325.86, 12612.83, 11.8, Sta.833.6
N, 97303.86, 12657.85, 11.3, Sta.834
Y, 97301.34, 12681.57, 10.8, Sta.834.3
Y, 97321.05, 12702.32, 9.8, Sta.834.6
Y, 97352.09, 12699.3, 8.5, Sta.834.9
N, 97365.51, 12670.73, 6.9, Sta.835.3
97354.41, 12644.89, 6.1, Sta.835.6
L I-5 Seg 18SB Truck, 12

N, 97130.72, 12786.87, 20.5, Sta.836
Y, 97186.1, 12703.44, 18, Sta.835
N, 97273.01, 12575.98, 13.5, Sta.834
Y, 97298.15, 12536.88, 12.3, Sta.833
N, 97349.72, 12451.77, 9, Sta.832
N, 97402.02, 12367.14, 6.5, Sta.831
N, 97455.75, 12281.47, 6.5, Sta.830
N, 97508.11, 12196.93, 8.7, Sta.829
97560.19, 12112.31, 11.1, Sta.828
L I-5 Seg 18SB Truck, 13
N, 97560.19, 12112.31, 11.1, Sta.828
N, 97612.73, 12027.35, 13.4, Sta.827
N, 97666.94, 11943.03, 15.7, Sta.826
N, 97719.25, 11857.94, 18, Sta.825
N, 97772.44, 11773.49, 20.3, Sta.824
N, 97820.86, 11689.19, 22.3, Sta.823
N, 97865.42, 11600.52, 24.2, Sta.822
N, 97905.96, 11509.55, 25.2, Sta.821
N, 97943.58, 11417.38, 25.7, Sta.820
N, 97981.81, 11324.91, 26.2, Sta.819
N, 98020.56, 11233.22, 27.3, Sta.818
N, 98059.38, 11140.49, 28.4, Sta.817
N, 98097.34, 11048.11, 28.75, Sta.816
N, 98135.43, 10954.93, 28.5, Sta.815
98174.41, 10862.99, 28.2, Sta.814
L I-5 Seg 18SB Cars, 14
N, 97137.96, 12791.81, 20.8, Sta.836
N, 97193.32, 12707.9, 18.3, Sta.835
N, 97279.69, 12581.35, 13.6, Sta.834
N, 97305.79, 12541.26, 12.4, Sta.833
N, 97357.58, 12456.6, 9.3, Sta.832
N, 97410.1, 12371.75, 6.7, Sta.831
N, 97462.63, 12285.75, 6.6, Sta.830
N, 97515.79, 12201.44, 8.8, Sta.829
N, 97567.51, 12116.64, 11.1, Sta.828
L I-5 Seg 18SB Cars, 15
N, 97567.51, 12116.64, 11.1, Sta.828
N, 97619.85, 12032.26, 13.5, Sta.827
N, 97673.8, 11947, 15.8, Sta.826
N, 97726.83, 11863.09, 18, Sta.825
N, 97778.35, 11777.43, 20.4, Sta.824
N, 97827.96, 11692.37, 22.7, Sta.823
N, 97872.99, 11604.01, 24.3, Sta.822
N, 97912.96, 11512.5, 25.3, Sta.821
N, 97951.12, 11420.17, 25.8, Sta.820
N, 97990.41, 11328.3, 26.4, Sta.819
N, 98027.33, 11235.95, 27.3, Sta.818
N, 98065.93, 11142.98, 28.5, Sta.817
N, 98103.89, 11050.6, 28.8, Sta.816
N, 98142.38, 10957.58, 28.5, Sta.815
98181.36, 10865.11, 28.3, Sta.814
L I-5 Seg 18SB HOV, 16
N, 97145.23, 12796.07, 20.8, Sta.836
N, 97202.24, 12714.23, 18.4, Sta.835
N, 97287.95, 12586.51, 14, Sta.834
N, 97313.12, 12546.46, 12.4, Sta.833

N, 97366.03, 12461.85, 9.4, Sta.832
N, 97418.75, 12377.49, 6.9, Sta.831
N, 97471.03, 12291.43, 6.7, Sta.830
N, 97523.03, 12206.36, 9, Sta.829
N, 97576.37, 12121.94, 11.4, Sta.828
L I-5 Seg 18SB HOV, 17
N, 97576.37, 12121.94, 11.4, Sta.828
N, 97628.77, 12037.13, 13.7, Sta.827
N, 97681.33, 11952.24, 15.9, Sta.826
N, 97733.71, 11867.14, 18.2, Sta.825
N, 97786.81, 11782.52, 20.6, Sta.824
N, 97835.89, 11696.61, 22.8, Sta.823
N, 97881.05, 11607.57, 24.6, Sta.822
N, 97921.85, 11516.21, 25.4, Sta.821
N, 97959.27, 11423.43, 25.9, Sta.820
N, 97998.97, 11331.67, 26.4, Sta.819
N, 98036.35, 11239.73, 27.5, Sta.818
N, 98075.00, 11146.68, 28.6, Sta.817
N, 98113.07, 11054.98, 28.9, Sta.816
N, 98151.8, 10961.94, 28.6, Sta.815
98190.42, 10868.76, 28.3, Sta.814
L I-5 Seg 18SB Off Loop to SR78, 18
N, 97240.41, 12536.85, 13, Sta.829.75
N, 97248.6, 12471.46, 9, Sta.830.35
N, 97258.67, 12425.35, 9.5, Sta.830.8
N, 97287.52, 12402.95, 12.5, Sta.831.25
N, 97320.97, 12415.16, 16, Sta.831.65
N, 97329.36, 12456.55, 20, Sta.832.15
N, 97289.87, 12531.89, 23, Sta.833
97240.59, 12617.97, 15.2, Sta.834
L I-5 Seg 18SB On Ramp from SR78, 19
Y, 97227.23, 12532.97, 22.9, Sta.833.7
Y, 97237.69, 12455.79, 19, Sta.833
Y, 97258.9, 12405.37, 14.9, Sta.832.5
Y, 97304.49, 12389.5, 10.8, Sta.832
N, 97354.3, 12385.74, 7.7, Sta.831.5
N, 97395.03, 12361.15, 6.4, Sta.831
97449.3, 12277.8, 6.5, Sta.830
L I-5 Seg 18SB SB Offramp to Los Flores Drive, 20
N, 97502.08, 12193.35, 8.7, Sta.829
N, 97552.61, 12107.39, 10.4, Sta.828
N, 97575.69, 12063.68, 11.7, Sta.827.5
N, 97598.18, 12018.22, 14.2, Sta.827
N, 97615.79, 11982.95, 17.1, Sta.826.6
N, 97635.54, 11933.38, 20.8, Sta.826.1
97645.77, 11884.98, 24.2, Sta.825.6
L I-5 Seg 18SB SB Onramp from Los Flores Drive, 21
Y, 97658.62, 11883.82, 24.7, Sta.825.5
Y, 97698.77, 11845.68, 21.2, Sta.825
N, 97730.41, 11809.17, 18.8, Sta.824.5
N, 97760.72, 11767.5, 19.8, Sta.824
N, 97785.87, 11726.75, 20.8, Sta.823.5
N, 97811.44, 11684.74, 22.1, Sta.823
N, 97858.47, 11598.57, 23.8, Sta.822
97900.11, 11507.59, 25.2, Sta.821
L I-5 Seg 18SB SB Offramp to Carsbad Village Drive, 22

N, 97938.84, 11415.38, 25.7, Sta.820
N, 97977.57, 11323.28, 26.1, Sta.819
N, 98008.01, 11227.95, 26.7, Sta.818
N, 98023.92, 11180.28, 26.1, Sta.817.5
N, 98036.73, 11132.3, 24.5, Sta.817
98063.76, 11022.37, 22.5, Sta.815.8
Barrier 1 Soundwall ROW SB, 1, 2, 0, 0
98046.2, 11046.62, 23.50, 23.50, 816.15S
98026.08, 11142.8, 23.70, 23.70, 817.15S
98003.42, 11228.08, 24.00, 24.00, 818S
97976.4, 11297.18, 24.60, 24.60, 818.8S
Barrier 2 ROW Soundwall SB, 2, 2, 0, 0
97976.4, 11297.18, 24.60, 27.10, 818.8S
97963.7, 11339.54, 24.20, 26.70, 819.2S
97932.86, 11412.78, 25.00, 27.50, 820S
97895.58, 11505.4, 24.50, 27.00, 821S
97853.52, 11595.54, 24.20, 26.70, 822S
97807.58, 11682.56, 23.60, 26.10, 823S
97751.42, 11762.72, 23.10, 25.60, 824S
97751.42, 11762.72, 23.10, 25.60, 824S
97732.3, 11787.99, 23.40, 25.90, 824.35S
Barrier 3 Soundwall ROW SB, 3, 2, 0, 0
97732.3, 11787.99, 23.40, 23.40, 824.35S
97732.33, 11798.34, 22.7, 22.70, 824.4S
97715.36, 11816.58, 23.40, 23.40, 824.7S
97654.87, 11859.83, 23.60, 23.60, 825.3S
97651.45, 11871.03, 24.00, 24.00, 825.45S
Barrier 4 Soundwall ROW SB, 4, 2, 0, 0
97651.45, 11871.03, 24.00, 24.00, 825.45S
97632.04, 11901.88, 23.80, 23.80, 825.9S
97632.04, 11901.88, 23.80, 23.80, 825.9S
97626.44, 11921.48, 23.90, 23.90, 826S
97578.18, 12006.78, 23.80, 23.80, 827S
97545.32, 12055.78, 22.75, 22.75, 827.6S
Barrier 5 Soundwall ROW SB, 5, 2, 0, 0
97545.32, 12055.78, 22.75, 22.75, 827.6S
97538.51, 12067.3, 23.18, 23.18, 827.8S
97538.51, 12067.3, 23.18, 23.18, 827.8S
97525.67, 12091.93, 22.70, 22.70, 828S
97509.54, 12125, 19.50, 19.50, 828.4S
97519.61, 12152.59, 13.00, 13.00, 828.5S
97519.61, 12152.59, 13.00, 13.00, 828.5S
97519.97, 12152.01, 13.0, 13.00, 828.6S
97482.92, 12210.43, 8.2, 8.20, 829.2S
Barrier 6 ROW SB, 6, 2, 0, 0
97482.92, 12210.43, 8.2, 8.20, 829.2S
97482.92, 12210.43, 8.2, 9.20, 829.2S
97466, 12237.37, 7.1, 8.10, 829.6S
97466, 12237.37, 7.1, 7.10, 829.6S
97395.91, 12348.09, 6.5, 6.50, 830.9S
97363.23, 12374.88, 8.5, 8.50, 831.2S
97334.02, 12379.68, 9.0, 9.00, 831.6S
97267.75, 12388.38, 11.0, 11.00, 831.9S
97237.64, 12426.15, 15.0, 15.00, 832.4S
97228.63, 12462.93, 20.9, 20.90, 832.75S
Barrier 7 Soundwall ROW SB, 7, 2, 0, 0

97228.63, 12462.93, 20.9, 20.90, 832.75S
97225.57, 12492.14, 22.5, 22.50, 833S
97219.16, 12510.88, 22.9, 22.90, 833.2S
97206.63, 12514.93, 22.9, 22.88, 833.3S
Barrier 8 Terrain Line, 8, 2, 0, 0
97224.35, 12461.26, 20.9, 20.9, 832.8ST
97148.35, 12409.99, 20, 20.0, 832.8ST
Barrier 9 Terrain Line Vista Way, 9, 2, 0, 0
97256.93, 12571.35, 23.5, 23.5, 833.5ST
97111.07, 12466.73, 20.2, 20.2, 833.4ST
Barrier 10 Extended Stay America, 10, 2, 0, 0
97947.32, 11162.9, 23.8, 37.8, 817.75SB
97982.31, 11181.29, 23.8, 37.8, 817.75SB
97960.82, 11253.20, 23.8, 37.8, 818.4SB
Barrier 11 Retirement Community, 11, 2, 0, 0
97907.86, 11321.4, 23.7, 37.7, 819.2SB
97886.22, 11356.07, 23.7, 37.7, 819.8SB
97888.97, 11409.57, 23.7, 37.7, 820.2SB
97869.78, 11454.85, 23.7, 37.7, 820.75SB
Barrier 12Terrain Line Las Flores SB, 12, 2, 0, 0
97688.95, 11884.21, 25.23, 25.23, 825.3ST
97565.13, 11884.90, 20, 20.00, 826ST
Barrier 13 Terrain Line Jefferson St SB, 13, 2, 0, 0
97541.67, 12062.46, 22.6, 22.60, 827.8ST
97536.51, 12050.53, 22.56, 22.56, 827.6ST
97527.91, 11987.39, 21, 21.00, 827ST
Barrier 14 Building SB, 14, 2, 0, 0
97149.30, 12425.20, 21.2, 31.20, 832.8SB
97170.79, 12447.35, 21.2, 31.20, 832.8SB
Barrier 15 Fence SB, 15, 2, 0, 0
97550.4949, 12001.2819, 23.7, 25.93, 827.1ST
97577.3483, 12001.2533, 23.7, 25.93, 826.9ST
97552.4307, 12040.0014, 23.5, 25.73, 827.4ST
97543.0679, 12039.5134, 23.7, 25.93, 827.5ST
Barrier 16 Center Divider, 16, 2, 0, 0
98119.24, 11060.94, 29.00, 30.00, 816C
98081.54, 11149.62, 28.20, 29.20, 817C
98043.94, 11242.76, 27.00, 28.00, 818C
98005.63, 11334.39, 26.50, 27.50, 819C
97966.94, 11426.86, 25.90, 26.90, 820C
97928.24, 11518.68, 25.60, 26.60, 821C
97888.72, 11610.88, 24.70, 25.70, 822C
97842.98, 11699.62, 22.80, 23.80, 823C
97793.7, 11786.45, 20.50, 21.50, 824C
97741.2, 11871.89, 18.40, 19.40, 825C
Barrier 17 Center Divider -Cont., 17, 2, 0, 0
97741.2, 11871.89, 18.40, 19.40, 825C
97688.6, 11956.31, 16.00, 17.00, 826C
97635.48, 12041.31, 13.70, 14.70, 827C
97583.91, 12126.27, 11.50, 12.50, 828C
97531.05, 12211.33, 9.00, 10.00, 829C
97425.72, 12381.82, 6.90, 7.90, 831C
97372.89, 12466.18, 9.50, 10.50, 832C
97320.41, 12551.29, 12.50, 13.50, 833C
97295.3, 12591.88, 14.00, 15.00, 834C
97266.66, 12635.19, 15.50, 16.50, 834.5C

R 18.10, 2, 55, 2
97509.06, 12098.36, 22, 18.10 SF
R 18.11, 3, 55, 1
97553.73, 12027.33, 25.4, ST18.5 CAL
R 18.12, 4, 55, 1
97567.81, 11986.95, 25.4, 18.12 SF
R 18.13, 5, 55, 1
97591.44, 11923.19, 24.5, 18.13 MF
R 18.14, 6, 55, 4
97609.07, 11864.26, 24.9, 18.14 SF
R 18.15, 7, 55, 2
97658.12, 11806.87, 25.1, 18.15 SF
R 18.16, 8, 55, 2
97687.93, 11795.75, 24.9, 18.16 SF
R 18.17, 9, 55, 2
97710.81, 11785.39, 24.9, ST18.4
R 18.18, 10, 55, 6
97765.64, 11726.47, 24.9, 18.18 SF
R 18.19, 11, 55, 4
97775.70, 11665.04, 25.2, 18.19 SF
R 18.20, 12, 55, 6
97832.66, 11631.47, 25.8, LT18.2
R 18.21, 13, 55, 3
97836.15, 11501.49, 25.0, 18.21 Motel
R 18.22, 14, 55, 3
97885.68, 11507.06, 25.5, 18.22 SF
R 18.23, 15, 55, 3
97868.49, 11406.58, 25.2, 18.23 MF
R 18.24, 16, 55, 2
97907.41, 11415.73, 24.3, St18.2 CAL
R 18.25, 17, 55, 4
97941.98, 11341.37, 23.6, 18.25 MFR
R 18.26, 18, 55, 1
97956.27, 11213.84, 22.5, 18.26 HOT
R 18.27, 19, 55, 3
97951.42, 11136.46, 22.8, ST18.1
D, 4.5
A, A
ALL, ALL
K, 0.
All, All
K, -5
All, 5,6,7,10,12

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGMENT 18 CARLSBAD VILLAGE RD. TO VISTA WAY HIGHWAY 78 - NO BUILD - SOUTH BOUND -

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	0.*							816.1	322.3	
2	-	0.*							817.1	289.5	
3	-	0.*							818S	243.4	
4	-	8.*							818.8	145.1	
5	-	8.*							819.2	260.8	
6	-	8.*							820S	327.6	
7	-	8.*							821S	326.3	
8	-	8.*							822S	322.8	
9	-	8.*							823S	321.1	
10	-	8.*							824S	.0	
11	-	8.*							824S	104.0	
12	-	0.*							824.35S	34.1	
13	-	0.*							824.4S	81.7	
14	-	0.*							824.7S	244.0	
15	-	0.*							825.3S	38.4	
16	-	0.*							825.45S	119.7	
17	-	0.*							825.9S	.0	
18	-	0.*							825.9S	66.9	
19	-	0.*							826S	321.5	
20	-	0.*							827S	193.6	
21	-	0.*							827.6	44.0	
22	-	0.*							827.8	.0	
23	-	0.*							827.8	91.1	
24	-	0.*							828S	121.2	
25	-	0.*							828.4	98.7	
26	-	0.*							828.5	.0	
27	-	0.*							828.5	2.2	
28	-	0.*							828.6	227.5	
29	-	2.*							829.2	3.3	
30	-	3.*							829.2	104.5	
31	-	2.*							829.6	3.3	
32	-	0.*							829.6	429.9	
33	-	0.*							830.9	138.8	
34	-	0.*							831.2	97.2	
35	-	0.*							831.6	219.4	
36	-	0.*							831.9	159.0	
37	-	0.*							832.4	125.8	

38	-	0.*	832.7	96.5
39	-	0.*	833S	65.0
40	-	0.*	833.2	43.2
41	-	0.*	832.8	300.8
42	-	0.*	833.5	589.0
43	-	46.*	817.7	129.7
44	-	46.*	817.7	246.2
45	-	46.*	819.2	134.0
46	-	46.*	819.8	175.8
47	-	46.*	820.2	161.3
48	-	0.*	825.3	406.6
49	-	0.*	827.8	42.6
50	-	0.*	827.6	209.2
51	-	33.*	832.8	101.3
52	-	7.*	827.1	88.1
53	-	7.*	826.9	151.1
54	-	7.*	827.4	30.7
55	-	3.*	816C	316.1
56	-	3.*	817C	329.6
57	-	3.*	818C	325.8
58	-	3.*	819C	328.9
59	-	3.*	820C	326.8
60	-	3.*	821C	329.1
61	-	3.*	822C	327.6
62	-	3.*	823C	327.7
63	-	3.*	824C	329.1
64	-	3.*	825C	326.3
65	-	3.*	826C	329.0
66	-	3.*	827C	326.2
67	-	3.*	828C	328.6
68	-	3.*	829C	657.6
69	-	3.*	831C	326.6
70	-	3.*	832C	328.3
71	-	3.*	833C	156.6
72	-	3.*	834C	170.4

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0 1 2 3 4 5 6 7

1

REC	REC ID	DNL	PEOPLE	LEQ(CAL)
1	18.10	67.	500.	71.5
2	ST18.	67.	500.	69.8
3	18.12	67.	500.	70.8
4	18.13	67.	500.	69.3
5	18.14	67.	500.	64.2

 6   18.15 67.   500.   65.3
 7   18.16 67.   500.   66.8
 8   ST18. 67.   500.   73.0
 9   18.18 67.   500.   72.2
10   18.19 67.   500.   66.2
11   LT18. 67.   500.   73.5
12   18.21 67.   500.   65.6
13   18.22 67.   500.   73.2
14   18.23 67.   500.   61.6
15   ST18. 67.   500.   71.2
16   18.25 67.   500.   71.7
17   18.26 67.   500.   62.9
18   ST18. 67.   500.   69.1
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 0. 0. 0. 8. 8. 8. 8. 8. 8. 8. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 0. 0. 0. 2. 3. 2. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.46.46.46.46.46. 0. 0. 0.
33. 7. 7. 7. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.

Roadway Segment 18 Carlsbad Village Rd. to Highway 78 Vista Way - Future No Barrier - North Bound
T RW Seg 18NB Truck,1
4765,65,166,65,469,65
T RW Seg 18NB Truck,2
4765,65,166,65,469,65
T RW Seg 18NB Car,3
5234,65,166,65,0,0
T RW Seg 18NB Car,4
5234,65,166,65,0,0
T RW Seg 18NB HOV,5
3000,65,0,0,0,0
T RW Seg 18NB HOV,6
3000,65,0,0,0,0
T RW L14 NB on ramp Carlsbad,7
950,45,24,45,26,45
T RW L15 NB off ramp Las Flores,8
976,45,14,45,10,45
T RW L16 NB on ramp Las Flores,9
976,45,14,45,10,45
T RW L19 NB Connector to EB SR78,10
1890,45,54,45,56,45
T RW L20 NB off ramp loop WB SR78 ,11
945,25,27,25,28,25
T RW Seg 18SB Truck,12
4765,65,166,65,469,65
T RW Seg 18SB Truck,13
4765,65,166,65,469,65
T RW Seg 18SB Car,14
5234,65,166,65,0,0
T RW Seg 18SB Car,15
5234,65,166,65,0,0
T RW Seg 18SB HOV,16
3000,65,0,0,0,0
T RW Seg 18SB HOV,17
3000,65,0,0,0,0
T RW L21 SB off ramp SR78,18
1890,25,54,25,56,25
T RW L22 SB on ramp SR78,19
1890,45,54,45,56,45
T RW L17 SB off ramp Las Flores,20
976,45,14,45,10,45
T RW L18 SB on ramp Las Flores,21
976,45,14,45,10,45
T RW L13 SB off Ramp Carlsbad,22
950,45,24,45,26,45
L I-5 Seg 18NB Truck,1
N,98220.86,10881.39,27.9, Sta.814
N,98182.62,10974.62,28.2, Sta.815
N,98142.89,11067.76,28.5, Sta.816
N,98105.7,11158.99,28.2, Sta.817
N,98066.21,11252.13,27, Sta.818
N,98028.58,11343.77,26.2, Sta.819
N,97990.25,11436.3,25.7, Sta.820
N,97952.5,11528.62,25.6, Sta.821
N,97912.67,11620.61,25.2, Sta.822

N,97866.15,11711.22,23.3, Sta.823
N,97814.43,11799.02,20.7, Sta.824
N,97762.19,11885.06,18, Sta.825
N,97709.81,11970.16,15.7, Sta.826
N,97657.39,12054.9,13.4, Sta.827
N,97604.74,12139.63,10.4, Sta.828
L I-5 Seg 18NB Truck,2
N,97604.74,12139.63,10.4, Sta.828
N,97548.77,12222.53,8.8, Sta.829
N,97498.65,12308.95,6.6, Sta.830
N,97444.78,12394.1,6.7, Sta.831
Y,97393.18,12478.17,9.2, Sta.832
N,97340.87,12563.93,12.5, Sta.833
N,97286.52,12647.92,15.5, Sta.834
N,97228.87,12732.35,18.1, Sta.835
N,97171.94,12813.13,20.8, Sta.836
L I-5 Seg 18NB Cars,3
N,98213.85,10878.65,28.3, Sta.814
N,98174.61,10970.74,28.6, Sta.815
N,98135.65,11064.5,28.7, Sta.816
N,98097.57,11155.68,28.5, Sta.817
N,98059.3,11249.22,27.3, Sta.818
N,98022.06,11341,26.4, Sta.819
N,97983.19,11433.26,25.8, Sta.820
N,97944.06,11525.14,25.6, Sta.821
N,97904.6,11617.78,25.5, Sta.822
N,97857.88,11706.75,23.2, Sta.823
N,97808.03,11795.46,20.8, Sta.824
N,97755.11,11880.05,17.8, Sta.825
N,97702.79,11965.7,15.8, Sta.826
N,97650.28,12050.51,13.5, Sta.827
N,97598.18,12135.07,11, Sta.828
L I-5 Seg 18NB Cars,4
N,97598.18,12135.07,11, Sta.828
N,97543.97,12219.42,8.9, Sta.829
N,97489.54,12307.78,6.6, Sta.830
N,97439.67,12390.82,6.7, Sta.831
Y,97387.2,12474.34,9.3, Sta.832
Y,97334.2,12559.7,12.5, Sta.833
N,97279.65,12644.57,15.6, Sta.834
N,97223.24,12728.07,18.3, Sta.835
N,97166.02,12809.67,20.8, Sta.836
L I-5 Seg 18NB HOV,5
N,98205.29,10874.71,28.4, Sta.814
N,98166.62,10967.35,28.6, Sta.815
N,98127.17,11060.89,28.8, Sta.816
N,98089.62,11152.8,28.7, Sta.817
N,98050.87,11245.4,28.4, Sta.818
N,98012.92,11337.33,26.4, Sta.819
N,97974.08,11429.43,26, Sta.820
N,97936.68,11522.05,25.5, Sta.821
N,97895.78,11614.04,24.8, Sta.822
N,97849.92,11703.12,23, Sta.823
N,97799.68,11790.48,20.7, Sta.824
N,97747.87,11875.71,18.3, Sta.825
N,97694.92,11960.46,15.9, Sta.826

N,97642.61,12045.77,13.6, Sta.827
N,97590.02,12130.6,11.5, Sta.828
L I-5 Seg 18NB HOV,6
N,97590.02,12130.6,11.5, Sta.828
N,97538.09,12215.94,9, Sta.HOV
N,97485.34,12300.5,6.7, Sta.830
N,97431.99,12385.85,6.9, Sta.831
N,97379.75,12470.51,9.4, Sta.832
N,97328.11,12555.76,12.5, Sta.833
N,97273.77,12640.27,15.5, Sta.834
N,97216.27,12723.46,18.3, Sta.835
N,97158.9,12805.03,20.8, Sta.836
L14 NB on ramp Carlsbad,7
N,98164.36,11106.54,23.1,L14.816+25
Y,98124.56,11167.37,24.8,L14.817+00
N,98097.83,11220.56,26.5,L14.817+60
N,98079.71,11256.63,26.8,L14.818+00
N,98042.40,11327.67,26.2,L14.818+80
N,97987.10,11457.33,26.1,L14.819+00
L15 NB off ramp Las Flores,8
N,97920.90,11615.43,25.2,L15.821+90
N,97880.38,11716.61,23.7,L15.823+00
N,97856.55,11771.90,23.5,L15.823+60
N,97842.26,11809.61,24,L15.824+00
N,97821.98,11873.80,25.8,L15.824+70
L16 NB on ramp Las Flores,9
Y,97809.47,11893.04,25.5,L16.824+80
Y,97755.32,11952.28,20.2,L16.825+60
Y,97715.45,11996.98,16,L16.826+20
N,97678.32,12043.93,13.5,L16.826+80
Y,97635.11,12110.51,12,L16.827+60
N,97612.23,12145.74,11,L16.828+00
L19 NB Connector to EB SR78,10
N,97611.76,12141.15,11.4,L19.828+00
N,97558.30,12226.19,8.7,L19.829+00
Y,97505.48,12312.94,6.3,L19.830+00
Y,97457.22,12400.22,6.4,L19.831+00
Y,97433.94,12454.87,7.3,L19.831+60
Y,97423.46,12512.72,9.1,L19.832+20
Y,97427.31,12572.19,11,L19.832+80
N,97444.06,12628.26,11.5,L19.833+40
N,97473.21,12679.63,11,L19.834+00
N,97543.14,12749.64,7.4,L19.835+00
L20 NB off ramp loop WB SR78 ,11
N,97398.43,12476.75,9,L20.831+95
N,97369.22,12534.28,11.1,L20.833+00
N,97324.46,12623.74,14.8,L20.834+00
N,97303.07,12668.47,15.9,L20.834+50
N,97309.30,12695.36,16.2,L20.834+80
Y,97331.70,12707.37,16.5,L20.835+10
Y,97361.17,12698.12,17,L20.835+40
Y,97368.65,12663.43,18.3,L20.835+78
L I-5 Seg 18SB Truck,12
N,97130.72,12786.87,20.5, Sta.836
Y,97186.1,12703.44,18, Sta.835
N,97273.01,12575.98,13.5, Sta.834

Y,97298.15,12536.88,12.3, Sta.833
N,97349.72,12451.77,9, Sta.832
N,97402.02,12367.14,6.5, Sta.831
N,97455.75,12281.47,6.5, Sta.830
N,97508.11,12196.93,8.7, Sta.829
N,97560.19,12112.31,11.1, Sta.828
L I-5 Seg 18SB Truck,13
N,97560.19,12112.31,11.1, Sta.828
N,97612.73,12027.35,13.4, Sta.827
N,97666.94,11943.03,15.7, Sta.826
N,97719.25,11857.94,18, Sta.825
N,97772.44,11773.49,20.3, Sta.824
N,97820.86,11689.19,22.3, Sta.823
N,97865.42,11600.52,24.2, Sta.822
N,97905.96,11509.55,25.2, Sta.821
N,97943.58,11417.38,25.7, Sta.820
N,97981.81,11324.91,26.2, Sta.819
N,98020.56,11233.22,27.3, Sta.818
N,98059.38,11140.49,28.4, Sta.817
N,98097.34,11048.11,28.75, Sta.816
N,98135.43,10954.93,28.5, Sta.815
N,98174.41,10862.99,28.2, Sta.814
L I-5 Seg 18SB Cars,14
N,97137.96,12791.81,20.8, Sta.836
N,97193.32,12707.9,18.3, Sta.835
N,97279.69,12581.35,13.6, Sta.834
N,97305.79,12541.26,12.4, Sta.833
N,97357.58,12456.6,9.3, Sta.832
N,97410.1,12371.75,6.7, Sta.831
N,97462.63,12285.75,6.6, Sta.830
N,97515.79,12201.44,8.8, Sta.829
N,97567.51,12116.64,11.1, Sta.828
L I-5 Seg 18SB Cars,15
N,97567.51,12116.64,11.1, Sta.828
N,97619.85,12032.26,13.5, Sta.827
N,97673.8,11947,15.8, Sta.826
N,97726.83,11863.09,18, Sta.825
N,97778.35,11777.43,20.4, Sta.824
N,97827.96,11692.37,22.7, Sta.823
N,97872.99,11604.01,24.3, Sta.822
N,97912.96,11512.5,25.3, Sta.821
N,97951.12,11420.17,25.8, Sta.820
N,97990.41,11328.3,26.4, Sta.819
N,98027.33,11235.95,27.3, Sta.818
N,98065.93,11142.98,28.5, Sta.817
N,98103.89,11050.6,28.8, Sta.816
N,98142.38,10957.58,28.5, Sta.815
N,98181.36,10865.11,28.3, Sta.814
L I-5 Seg 18SB HOV,16
N,97145.23,12796.07,20.8, Sta.836
N,97202.24,12714.23,18.4, Sta.835
N,97287.95,12586.51,14, Sta.834
N,97313.12,12546.46,12.4, Sta.833
N,97366.03,12461.85,9.4, Sta.832
N,97418.75,12377.49,6.9, Sta.831
N,97471.03,12291.43,6.7, Sta.830

N,97523.03,12206.36,9, Sta.829
N,97576.37,12121.94,11.4, Sta.828
L I-5 Seg 18SB HOV,17
N,97576.37,12121.94,11.4, Sta.828
N,97628.77,12037.13,13.7, Sta.827
N,97681.33,11952.24,15.9, Sta.826
N,97733.71,11867.14,18.2, Sta.825
N,97786.81,11782.52,20.6, Sta.824
N,97835.89,11696.61,22.8, Sta.823
N,97881.05,11607.57,24.6, Sta.822
N,97921.85,11516.21,25.4, Sta.821
N,97959.27,11423.43,25.9, Sta.820
N,97998.97,11331.67,26.4, Sta.819
N,98036.35,11239.73,27.5, Sta.818
N,98075,11146.68,28.6, Sta.817
N,98113.07,11054.98,28.9, Sta.816
N,98151.8,10961.94,28.6, Sta.815
N,98190.42,10868.76,28.3, Sta.814
L21 SB off ramp SR78,18
N,97264.43,12581.35,13.8,L21.833+55
N,97289.75,12532.25,11.9,L21.833+00
N,97326.47,12461.05,10.2,L21.832+20
N,97329.19,12425.62,10.8,L21.831+80
N,97302.15,12402.33,12.4,L21.831+40
N,97267.78,12410.80,15,L21.831+00
N,97251.95,12443.86,16.1,L21.830+60
N,97240.46,12537.67,22.9,L21.829+72
L22 SB on ramp SR78,19
Y,97229.84,12522.41,22.9,L22.833+72
Y,97238.29,12451.12,19,L22.833+00
Y,97252.29,12412.43,15.8,L22.832+60
Y,97288.81,12390.14,12.7,L22.832+20
N,97347.45,12389.34,8.4,L22.831+60
N,97383.02,12376.20,6.8,L22.831.20
N,97408.25,12347.00,6.4,L22.830+80
N,97451.42,12279.51,6.4,L22.830+00
L17 SB off ramp Las Flores,20
N,97512.9774,12177.8845,11,L17.828+80
N,97549.3402,12105.3342,10.6,L17.828+00
N,97594.6868,12016.2734,15,L17.827+00
N,97622.2656,11963.5994,19.9,L17.826+40
N,97637.939,11926.4948,23,L17.826+00
N,97647.932,11887.898,24.2,L17.825+50
L18 SB on ramp Las Flores,21
Y,97667.02,11877.10,24.9,L18.825+42
Y,97697.39,11847.33,24.1,L18.825+00
N,97735.02,11800.88,21.4,L18.824+40
N,97768.20,11750.87,20.6,L18.823+80
N,97810.00,11682.54,22.1,L18.823+00
N,97847.94,11612.37,23.7,L18.822+20
N,97874.42,11560.19,24.3,L18.821+60
L13 SB off Ramp Carlsbad,22
N,97975.70,11321.58,26.00,L13.819+00
N,98006.29,11226.33,26.40,L13.818+00
N,98030.16,11150.07,25.30,L13.817+20
N,98044.80,11091.69,23.20,L13.816+60

N,98062.89,11034.16,22.30,L13.816+00
Barrier 1 Soundwall ROW NB,1,2,0,0
98171.3,11115.71,24.2,24.2, 816.3N
98131.7,11171.21,25.6,25.6, 817N
98131.7,11171.21,25.6,25.6, 817N
98082.93,11259.06,26.5,26.5, 818N
98040.22,11348.68,26.3,26.3, 819N
98000.41,11440.45,25.5,25.5, 820N
97961.9,11533.12,25.5,25.5, 821N
97922.17,11625.61,26.5,26.5, 822N
97883.96,11719.24,26,26, 823N
97848.43,11811.8,26,26, 824N
Barrier 2 Soundwall ROW NB,2,2,0,0
97848.43,11811.8,26,26, 824N
97837.2,11873.94,26.5,26.5, 824.6N
97837.2,11873.94,26.5,26.5, 824.6N
97825.72,11889.84,26,26, 824.8N
97825.72,11889.84,26,26, 824.8N
97804.66,11917.37,25.7,25.7, 825N
97747.65,11996.17,25.5,25.5, 826N
97692.22,12077.22,25.6,25.6, 827N
97647.01,12143.43,24.6,24.6, 827.8N
Barrier 3 Terrain Line NB,3,2,0,0
97647.01,12143.43,24.6,24.6, 827.8NT
97743.26,12171.77,26,26,827.6
Barrier 4 Center Divider,4,2,0,0
98119.24,11060.94,29,30, 816C
98081.54,11149.62,28.2,29.2, 817C
98043.94,11242.76,27,28, 818C
98005.63,11334.39,26.5,27.5, 819C
97966.94,11426.86,25.9,26.9, 820C
97928.24,11518.68,25.6,26.6, 821C
97888.72,11610.88,24.7,25.7, 822C
97842.98,11699.62,22.8,23.8, 823C
97793.7,11786.45,20.5,21.5, 824C
97741.2,11871.89,18.4,19.4, 825C
Barrier 5 Center Divider -Cont.,5,2,0,0
97741.2,11871.89,18.4,19.4, 825C
97688.6,11956.31,16,17, 826C
97635.48,12041.31,13.7,14.7, 827C
97583.91,12126.27,11.5,12.5, 828C
97531.05,12211.33,9,10, 829C
97425.72,12381.82,6.9,7.9, 831C
97372.89,12466.18,9.5,10.5, 832C
97320.41,12551.29,12.5,13.5, 833C
97295.3,12591.88,14,15, 834C
97266.66,12635.19,15.5,16.5, 834.5C
Barrier 6 Building 1,6,2,0,0
98095.45,11303.60,26.4,34.4, 818.4NB
98088.11,11323.58,26.4,34.4, 818.6NB
Barrier 7 Terrain Line NB Las Flores,7,2,0,0
97772.84,11883.43,25.41,25.41, 824.6NT
97912.13,11882.16,31.12,31.12, 824.2NT
Barrier 8 Bridge edge of traveled way NB,8,2,0,0
98214.78,10913.08,28.3,28.3, 814.4N
98153.87,11059.96,28.7,28.7, 815.8N

98153.87,11059.96,28.7,29.7, 815.8N
98138.83,11096.23,28.7,29.7, 816.2N
98138.83,11096.23,28.7,28.7, 816.2N
98099.26,11191.65,27.8,27.8, 817.3N
Barrier 9 Bridge edge of traveled way NB,9,2,0,0
97549.16,12249.84,8.2,9.2, 829.2N
97533.44,12276.49,7.4,8.4, 829.6N
R 18.1,1,55,4
98112.6,11319.58,29.2, 18.1 SF
R 18.1A,2,55,4
98047.13,11432.88,28.92, 18.1A SF
R 18.2,3,55,5
98014.72,11515.03,28.5, 18.2 SF
R 18.2A,4,55,6
97967.29,11575.43,28.08, 18.2A Park
R 18.3,5,55,6
97970.91,11614.39,30, LT18.1
R 18.4,6,55,2
98008.73,11760.49,34, 18.4 School
R 18.5,7,55,3
97934.2,11754.79,32, ST18.3
R 18.6,8,55,1
97905.78,11846.99,32, 18.6 SF
R 18.7,9,55,1
97869.11,11839.57,29, 18.7 SF
R 18.7A,10,55,3
97807.1,11933.07,27.6, 18.7A SF
R 18.8,11,55,1
97785.73,12127.11,30, 18.8 SF
R 18.9,12,55,1
97722.86,12140.08,28, 18.9 SF
D,4.5
A,A
ALL, ALL
K,0
All, All
K,-5
All,6

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGMENT 18 CARLSBAD VILLAGE RD. TO HIGHWAY 78 VISTA WAY - NO BARRIER - NB

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	- 0.*								816.3N	223.7	
2	- 0.*								817N	.0	
3	- 0.*								817N	329.6	
4	- 0.*								818N	325.7	
5	- 0.*								819N	328.2	
6	- 0.*								820N	329.2	
7	- 0.*								821N	330.3	
8	- 0.*								822N	331.8	
9	- 0.*								823N	325.2	
10	- 0.*								824N	207.2	
11	- 0.*								824.6N	.0	
12	- 0.*								824.6N	64.4	
13	- 0.*								824.8N	.0	
14	- 0.*								824.8N	113.7	
15	- 0.*								825N	319.0	
16	- 0.*								826N	322.2	
17	- 0.*								827N	263.0	
18	- 0.*								827.8NT	329.2	
19	- 3.*								816C	316.1	
20	- 3.*								817C	329.6	
21	- 3.*								818C	325.8	
22	- 3.*								819C	328.9	
23	- 3.*								820C	326.8	
24	- 3.*								821C	329.1	
25	- 3.*								822C	327.6	
26	- 3.*								823C	327.7	
27	- 3.*								824C	329.1	
28	- 3.*								825C	326.3	
29	- 3.*								826C	329.0	
30	- 3.*								827C	326.2	
31	- 3.*								828C	328.6	
32	- 3.*								829C	657.6	
33	- 3.*								831C	326.6	
34	- 3.*								832C	328.3	
35	- 3.*								833C	156.6	
36	- 3.*								834C	170.4	
37	- 26.*								818.4NB	69.9	

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38    -  0.*                        824.6NT   457.4

39    -  0.*                        814.4N    521.7
40    -  2.*                        815.8N      3.2
41    -  3.*                        815.8N    128.8
42    -  2.*                        816.2N      3.2
43    -  0.*                        816.2N    338.9

44    -  3.*                        829.2N    101.5
-------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
---------------------------------
 1   18.1 SF  67.    500.   73.0
 2   18.1A S  67.    500.   76.4
 3   18.2 SF  67.    500.   76.2
 4   18.2A P  67.    500.   78.6
 5   LT18.1   67.    500.   76.2
 6   18.4 SC  67.    500.   64.9
 7   ST18.3   67.    500.   73.6
 8   18.6 SF  67.    500.   72.2
 9   18.7 SF  67.    500.   74.3
10   18.7A S  67.    500.   74.6
11   18.8 SF  67.    500.   67.1
12   18.9 SF  67.    500.   69.1
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3.
 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.26. 0. 0. 2. 3. 2. 0. 3.
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Roadway Segment 18 Carlsbad Village Rd. to Highway 78 Vista Way - South Bound - No Barrier
T RW Seg 18NB Truck,1
4765,65,166,65,469,65
T RW Seg 18NB Truck,2
4765,65,166,65,469,65
T RW Seg 18NB Car,3
5234,65,166,65,0,0
T RW Seg 18NB Car,4
5234,65,166,65,0,0
T RW Seg 18NB HOV,5
3000,65,0,0,0,0
T RW Seg 18NB HOV,6
3000,65,0,0,0,0
T RW L14 NB on ramp Carlsbad,7
950,45,24,45,26,45
T RW L15 NB off ramp Las Flores,8
976,45,14,45,10,45
T RW L16 NB on ramp Las Flores,9
976,45,14,45,10,45
T RW L19 NB Connector to EB SR78,10
1890,45,54,45,56,45
T RW L20 NB off ramp loop WB SR78 ,11
945,25,27,25,28,25
T RW Seg 18SB Truck,12
4765,65,166,65,469,65
T RW Seg 18SB Truck,13
4765,65,166,65,469,65
T RW Seg 18SB Car,14
5234,65,166,65,0,65
T RW Seg 18SB Car,15
5234,65,166,65,0,0
T RW Seg 18SB HOV,16
3000,65,0,0,0,0
T RW Seg 18SB HOV,17
3000,65,0,0,0,0
T RW L21 SB off ramp SR78,18
1890,25,54,25,56,25
T RW L22 SB on ramp SR78,19
1890,45,54,45,56,45
T RW L17 SB off ramp Las Flores,20
976,45,14,45,10,45
T RW L18 SB on ramp Las Flores,21
976,45,14,45,10,45
T RW L13 SB off Ramp Carlsbad,22
950,45,24,45,26,45
L I-5 Seg 18NB Truck,1
N,98220.86,10881.39,27.9, Sta.814
N,98182.62,10974.62,28.2, Sta.815
N,98142.89,11067.76,28.5, Sta.816
N,98105.7,11158.99,28.2, Sta.817
N,98066.21,11252.13,27, Sta.818
N,98028.58,11343.77,26.2, Sta.819
N,97990.25,11436.3,25.7, Sta.820
N,97952.5,11528.62,25.6, Sta.821
N,97912.67,11620.61,25.2, Sta.822
N,97866.15,11711.22,23.3, Sta.823

N,97814.43,11799.02,20.7, Sta.824
N,97762.19,11885.06,18, Sta.825
N,97709.81,11970.16,15.7, Sta.826
N,97657.39,12054.9,13.4, Sta.827
N,97604.74,12139.63,10.4, Sta.828
L I-5 Seg 18NB Truck,2
N,97604.74,12139.63,10.4, Sta.828
N,97548.77,12222.53,8.8, Sta.829
N,97498.65,12308.95,6.6, Sta.830
N,97444.78,12394.1,6.7, Sta.831
Y,97393.18,12478.17,9.2, Sta.832
N,97340.87,12563.93,12.5, Sta.833
N,97286.52,12647.92,15.5, Sta.834
N,97228.87,12732.35,18.1, Sta.835
N,97171.94,12813.13,20.8, Sta.836
L I-5 Seg 18NB Cars,3
N,98213.85,10878.65,28.3, Sta.814
N,98174.61,10970.74,28.6, Sta.815
N,98135.65,11064.5,28.7, Sta.816
N,98097.57,11155.68,28.5, Sta.817
N,98059.3,11249.22,27.3, Sta.818
N,98022.06,11341,26.4, Sta.819
N,97983.19,11433.26,25.8, Sta.820
N,97944.06,11525.14,25.6, Sta.821
N,97904.6,11617.78,25.5, Sta.822
N,97857.88,11706.75,23.2, Sta.823
N,97808.03,11795.46,20.8, Sta.824
N,97755.11,11880.05,17.8, Sta.825
N,97702.79,11965.7,15.8, Sta.826
N,97650.28,12050.51,13.5, Sta.827
N,97598.18,12135.07,11, Sta.828
L I-5 Seg 18NB Cars,4
N,97598.18,12135.07,11, Sta.828
N,97543.97,12219.42,8.9, Sta.829
N,97489.54,12307.78,6.6, Sta.830
N,97439.67,12390.82,6.7, Sta.831
Y,97387.2,12474.34,9.3, Sta.832
Y,97334.2,12559.7,12.5, Sta.833
N,97279.65,12644.57,15.6, Sta.834
N,97223.24,12728.07,18.3, Sta.835
N,97166.02,12809.67,20.8, Sta.836
L I-5 Seg 18NB HOV,5
N,98205.29,10874.71,28.4, Sta.814
N,98166.62,10967.35,28.6, Sta.815
N,98127.17,11060.89,28.8, Sta.816
N,98089.62,11152.8,28.7, Sta.817
N,98050.87,11245.4,28.4, Sta.818
N,98012.92,11337.33,26.4, Sta.819
N,97974.08,11429.43,26, Sta.820
N,97936.68,11522.05,25.5, Sta.821
N,97895.78,11614.04,24.8, Sta.822
N,97849.92,11703.12,23, Sta.823
N,97799.68,11790.48,20.7, Sta.824
N,97747.87,11875.71,18.3, Sta.825
N,97694.92,11960.46,15.9, Sta.826
N,97642.61,12045.77,13.6, Sta.827

N,97590.02,12130.6,11.5, Sta.828
L I-5 Seg 18NB HOV,6
N,97590.02,12130.6,11.5, Sta.828
N,97538.09,12215.94,9, Sta.HOV
N,97485.34,12300.5,6.7, Sta.830
N,97431.99,12385.85,6.9, Sta.831
N,97379.75,12470.51,9.4, Sta.832
N,97328.11,12555.76,12.5, Sta.833
N,97273.77,12640.27,15.5, Sta.834
N,97216.27,12723.46,18.3, Sta.835
N,97158.9,12805.03,20.8, Sta.836
L14 NB on ramp Carlsbad,7
N,98164.36,11106.54,23.1,L14.816+25
Y,98124.56,11167.37,24.8,L14.817+00
N,98097.83,11220.56,26.5,L14.817+60
N,98079.71,11256.63,26.8,L14.818+00
N,98042.40,11327.67,26.2,L14.818+80
N,97987.10,11457.33,26.1,L14.819+00
L15 NB off ramp Las Flores,8
N,97920.90,11615.43,25.2,L15.821+90
N,97880.38,11716.61,23.7,L15.823+00
N,97856.55,11771.90,23.5,L15.823+60
N,97842.26,11809.61,24,L15.824+00
N,97821.98,11873.80,25.8,L15.824+70
L16 NB on ramp Las Flores,9
Y,97809.47,11893.04,25.5,L16.824+80
Y,97755.32,11952.28,20.2,L16.825+60
Y,97715.45,11996.98,16,L16.826+20
N,97678.32,12043.93,13.5,L16.826+80
Y,97635.11,12110.51,12,L16.827+60
N,97612.23,12145.74,11,L16.828+00
L19 NB Connector to EB SR78,10
N,97611.76,12141.15,11.4,L19.828+00
N,97558.30,12226.19,8.7,L19.829+00
Y,97505.48,12312.94,6.3,L19.830+00
Y,97457.22,12400.22,6.4,L19.831+00
Y,97433.94,12454.87,7.3,L19.831+60
Y,97423.46,12512.72,9.1,L19.832+20
Y,97427.31,12572.19,11,L19.832+80
N,97444.06,12628.26,11.5,L19.833+40
N,97473.21,12679.63,11,L19.834+00
N,97543.14,12749.64,7.4,L19.835+00
L20 NB off ramp loop WB SR78 ,11
N,97398.43,12476.75,9,L20.831+95
N,97369.22,12534.28,11.1,L20.833+00
N,97324.46,12623.74,14.8,L20.834+00
N,97303.07,12668.47,15.9,L20.834+50
N,97309.30,12695.36,16.2,L20.834+80
Y,97331.70,12707.37,16.5,L20.835+10
Y,97361.17,12698.12,17,L20.835+40
Y,97368.65,12663.43,18.3,L20.835+78
L I-5 Seg 18SB Truck,12
N,97130.72,12786.87,20.5, Sta.836
Y,97186.1,12703.44,18, Sta.835
N,97273.01,12575.98,13.5, Sta.834
Y,97298.15,12536.88,12.3, Sta.833

N,97349.72,12451.77,9, Sta.832
N,97402.02,12367.14,6.5, Sta.831
N,97455.75,12281.47,6.5, Sta.830
N,97508.11,12196.93,8.7, Sta.829
N,97560.19,12112.31,11.1, Sta.828
L I-5 Seg 18SB Truck,13
N,97560.19,12112.31,11.1, Sta.828
N,97612.73,12027.35,13.4, Sta.827
N,97666.94,11943.03,15.7, Sta.826
N,97719.25,11857.94,18, Sta.825
N,97772.44,11773.49,20.3, Sta.824
N,97820.86,11689.19,22.3, Sta.823
N,97865.42,11600.52,24.2, Sta.822
N,97905.96,11509.55,25.2, Sta.821
N,97943.58,11417.38,25.7, Sta.820
N,97981.81,11324.91,26.2, Sta.819
N,98020.56,11233.22,27.3, Sta.818
N,98059.38,11140.49,28.4, Sta.817
N,98097.34,11048.11,28.75, Sta.816
N,98135.43,10954.93,28.5, Sta.815
N,98174.41,10862.99,28.2, Sta.814
L I-5 Seg 18SB Cars,14
N,97137.96,12791.81,20.8, Sta.836
N,97193.32,12707.9,18.3, Sta.835
N,97279.69,12581.35,13.6, Sta.834
N,97305.79,12541.26,12.4, Sta.833
N,97357.58,12456.6,9.3, Sta.832
N,97410.1,12371.75,6.7, Sta.831
N,97462.63,12285.75,6.6, Sta.830
N,97515.79,12201.44,8.8, Sta.829
N,97567.51,12116.64,11.1, Sta.828
L I-5 Seg 18SB Cars,15
N,97567.51,12116.64,11.1, Sta.828
N,97619.85,12032.26,13.5, Sta.827
N,97673.8,11947,15.8, Sta.826
N,97726.83,11863.09,18, Sta.825
N,97778.35,11777.43,20.4, Sta.824
N,97827.96,11692.37,22.7, Sta.823
N,97872.99,11604.01,24.3, Sta.822
N,97912.96,11512.5,25.3, Sta.821
N,97951.12,11420.17,25.8, Sta.820
N,97990.41,11328.3,26.4, Sta.819
N,98027.33,11235.95,27.3, Sta.818
N,98065.93,11142.98,28.5, Sta.817
N,98103.89,11050.6,28.8, Sta.816
N,98142.38,10957.58,28.5, Sta.815
N,98181.36,10865.11,28.3, Sta.814
L I-5 Seg 18SB HOV,16
N,97145.23,12796.07,20.8, Sta.836
N,97202.24,12714.23,18.4, Sta.835
N,97287.95,12586.51,14, Sta.834
N,97313.12,12546.46,12.4, Sta.833
N,97366.03,12461.85,9.4, Sta.832
N,97418.75,12377.49,6.9, Sta.831
N,97471.03,12291.43,6.7, Sta.830
N,97523.03,12206.36,9, Sta.829

N,97576.37,12121.94,11.4, Sta.828
L I-5 Seg 18SB HOV,17
N,97576.37,12121.94,11.4, Sta.828
N,97628.77,12037.13,13.7, Sta.827
N,97681.33,11952.24,15.9, Sta.826
N,97733.71,11867.14,18.2, Sta.825
N,97786.81,11782.52,20.6, Sta.824
N,97835.89,11696.61,22.8, Sta.823
N,97881.05,11607.57,24.6, Sta.822
N,97921.85,11516.21,25.4, Sta.821
N,97959.27,11423.43,25.9, Sta.820
N,97998.97,11331.67,26.4, Sta.819
N,98036.35,11239.73,27.5, Sta.818
N,98075,11146.68,28.6, Sta.817
N,98113.07,11054.98,28.9, Sta.816
N,98151.8,10961.94,28.6, Sta.815
N,98190.42,10868.76,28.3, Sta.814
L21 SB off ramp SR78,18
N,97264.43,12581.35,13.8,L21.833+55
N,97289.75,12532.25,11.9,L21.833+00
N,97326.47,12461.05,10.2,L21.832+20
N,97329.19,12425.62,10.8,L21.831+80
N,97302.15,12402.33,12.4,L21.831+40
N,97267.78,12410.80,15,L21.831+00
N,97251.95,12443.86,16.1,L21.830+60
N,97240.46,12537.67,22.9,L21.829+72
L22 SB on ramp SR78,19
Y,97229.84,12522.41,22.9,L22.833+72
Y,97238.29,12451.12,19,L22.833+00
Y,97252.29,12412.43,15.8,L22.832+60
Y,97288.81,12390.14,12.7,L22.832+20
N,97347.45,12389.34,8.4,L22.831+60
N,97383.02,12376.20,6.8,L22.831.20
N,97408.25,12347.00,6.4,L22.830+80
N,97451.42,12279.51,6.4,L22.830+00
L17 SB off ramp Las Flores,20
N,97512.97,12177.88,11,L17.828+80
N,97549.34,12105.33,10.6,L17.828+00
N,97594.68,12016.27,15,L17.827+00
N,97622.26,11963.59,19.9,L17.826+40
N,97637.93,11926.49,23,L17.826+00
N,97647.93,11887.89,24.2,L17.825+50
L18 SB on ramp Las Flores,21
Y,97667.02,11877.10,24.9,L18.825+42
Y,97697.39,11847.33,24.1,L18.825+00
N,97735.02,11800.88,21.4,L18.824+40
N,97768.20,11750.87,20.6,L18.823+80
N,97810.00,11682.54,22.1,L18.823+00
N,97847.94,11612.37,23.7,L18.822+20
N,97874.42,11560.19,24.3,L18.821+60
L13 SB off Ramp Carlsbad,22
N,97975.70,11321.58,26.00,L13.819+00
N,98006.29,11226.33,26.40,L13.818+00
N,98030.16,11150.07,25.30,L13.817+20
N,98044.80,11091.69,23.20,L13.816+60
N,98062.89,11034.16,22.30,L13.816+00

Barrier 1 Soundwall ROW SB,1,2,0,0
98046.2,11046.62,23.5,23.5, 816.15S
98026.08,11142.8,23.7,23.7, 817.15S
98003.42,11228.08,24,24, 818S
97976.4,11297.18,24.6,24.6, 818.8S
Barrier 2 ROW Soundwall SB,2,2,0,0
97976.4,11297.18,24.6,24.6, 818.8S
97970.21,11319.27,24.2,24.2,B1.11
97931.76,11411.67,23.8,23.8,B1.10
97892.41,11504.91,24.4,24.4,B1.9
97852.00,11592.05,24.1,24.1,B1.8
97804.33,11679.60,23.31,23.31,B1.7
97761.91,11749.48,23.55,23.55,B1.6
97729.13,11791.13,23.5,23.5,B1.5
97728.34,11799.85,23.5,23.5,B1.4
97725.51,11803.78,23.5,23.5,B1.3
97723.50,11807.42,23.5,23.5,B1.2
Barrier 3 Soundwall ROW SB,3,2,0,0
97723.50,11807.42,23.5,23.5,B1.2
97714.77,11816.64,23.5,23.5,B1.1
97654.87,11859.83,23.6,23.6, 825.3S
97651.45,11871.03,24,24, 825.45S
Barrier 4 Soundwall ROW SB,4,2,0,0
97651.45,11871.03,24,24, 825.45S
97632.04,11901.88,23.8,23.8, 825.9S
97632.04,11901.88,23.8,23.8, 825.9S
97626.44,11921.48,23.9,23.9, 826S
97578.18,12006.78,23.8,23.8, 827S
97545.32,12055.78,22.75,22.75, 827.6S
Barrier 5 Soundwall ROW SB,5,2,0,0
97545.32,12055.78,22.75,22.75, 827.6S
97538.51,12067.3,23.18,23.18, 827.8S
97538.51,12067.3,23.18,23.18, 827.8S
97525.67,12091.93,22.7,22.7, 828S
97509.54,12125,19.5,19.5, 828.4S
97519.61,12152.59,13,13, 828.5S
97519.61,12152.59,13,13, 828.5S
97519.97,12152.01,13,13, 828.6S
97482.92,12210.43,8.2,8.2, 829.2S
Barrier 6 ROW SB,6,2,0,0
97482.92,12210.43,8.2,8.2, 829.2S
97482.92,12210.43,8.2,9.2, 829.2S
97466,12237.37,7.1,8.1, 829.6S
97466,12237.37,7.1,7.1, 829.6S
97395.91,12348.09,6.5,6.5, 830.9S
97363.23,12374.88,8.5,8.5, 831.2S
97334.02,12379.68,9,9, 831.6S
97267.75,12388.38,11,11, 831.9S
97237.64,12426.15,15,15, 832.4S
97228.63,12462.93,20.9,20.9, 832.75S
Barrier 7 Soundwall ROW SB,7,2,0,0
97228.63,12462.93,20.9,20.9, 832.75S
97225.57,12492.14,22.5,22.5, 833S
97219.16,12510.88,22.9,22.9, 833.2S
97206.63,12514.93,22.9,22.88, 833.3S
Barrier 8 Terrain Line,8,2,0,0

97224.35,12461.26,20.9,20.9, 832.8ST
97148.35,12409.99,20,20, 832.8ST
Barrier 9 Terrain Line Vista Way,9,2,0,0
97256.93,12571.35,23.5,23.5, 833.5ST
97111.07,12466.73,20.2,20.2, 833.4ST
Barrier 10 Extended Stay America,10,2,0,0
97947.32,11162.9,23.8,37.8, 817.75SB
97982.31,11181.29,23.8,37.8, 817.75SB
97960.98,11253.2,23.8,37.8, 818.4SB
Barrier 11 Retirement Community,11,2,0,0
97907.86,11321.4,23.7,37.7, 819.2SB
97886.22,11356.07,23.7,37.7, 819.8SB
97888.97,11409.57,23.7,37.7, 820.2SB
97869.78,11454.85,23.7,37.7, 820.75SB
Barrier 12Terrain Line Las Flores SB,12,2,0,0
97688.95,11884.21,25.23,25.23, 825.3ST
97565.13,11884.9,20,20, 826ST
Barrier 13 Terrain Line Jefferson St SB,13,2,0,0
97541.67,12062.46,22.6,22.6, 827.8ST
97536.51,12050.53,22.56,22.56, 827.6ST
97527.91,11987.39,21,21, 827ST
Barrier 14 Building SB,14,2,0,0
97149.3,12425.2,21.2,31.2, 832.8SB
97170.79,12447.35,21.2,31.2, 832.8SB
Barrier 16 Center Divider,16,2,0,0
98119.24,11060.94,29,30, 816C
98081.54,11149.62,28.2,29.2, 817C
98043.94,11242.76,27,28, 818C
98005.63,11334.39,26.5,27.5, 819C
97966.94,11426.86,25.9,26.9, 820C
97928.24,11518.68,25.6,26.6, 821C
97888.72,11610.88,24.7,25.7, 822C
97842.98,11699.62,22.8,23.8, 823C
97793.7,11786.45,20.5,21.5, 824C
97741.2,11871.89,18.4,19.4, 825C
Barrier 17 Center Divider -Cont.,17,2,0,0
97741.2,11871.89,18.4,19.4, 825C
97688.6,11956.31,16,17, 826C
97635.48,12041.31,13.7,14.7, 827C
97583.91,12126.27,11.5,12.5, 828C
97531.05,12211.33,9,10, 829C
97425.72,12381.82,6.9,7.9, 831C
97372.89,12466.18,9.5,10.5, 832C
97320.41,12551.29,12.5,13.5, 833C
97295.3,12591.88,14,15, 834C
97266.66,12635.19,15.5,16.5, 834.5C
R 18.10,1,55,2,
97510.49,12098.36, 22, 18.10 SF
R 18.11,2,55,1
97553.73,12027.33,25.4, ST18.5 CAL
R 18.12,3,55,1
97567.81,11986.95,25.4, 18.12 SF
R 18.13,4,55,1
97591.44,11923.19,24.5, 18.13 MF
R 18.14,5,55,4
97609.07,11864.26,24.9, 18.14 SF

R 18.15,6,55,2
97658.12,11806.87,25.1, 18.15 SF
R 18.16,7,55,2
97687.93,11795.75,24.9, 18.16 SF
R 18.17,8,55,2
97710.81,11785.39,24.9,   ST18.4
R 18.18,9,55,6
97765.64,11726.47,24.9, 18.18 SF
R 18.19,10,55,4
97775.7,11665.04,25.2, 18.19 SF
R 18.20,11,55,6
97832.08,11604.83,25.2, LT18.2
R 18.21,12,55,3
97836.15,11501.49,25, 18.21 Motel
R 18.22,13,55,3
97885.68,11507.06,25.5, 18.22 SF
R 18.23,14,55,3
97868.49,11406.58,25.2, 18.23 MF
R 18.24,15,55,2
97907.41,11415.73,24.3, St18.2 CAL
R 18.25,16,55,4
97941.98,11341.37,23.6, 18.25 MFR
R 18.26,17,55,1
97963.27,11207.84,22.5, 18.26 HOT
R 18.27,18,55,3
97951.42,11136.46,22.8, ST18.1
D,4.5
ALL, ALL
K,0
All, All
K,-5
All,5,6,7,10,12

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGMENT 18 CARLSBAD VILLAGE RD. TO HIGHWAY 78 VISTA WAY - NO BARRIER - SB

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	0.*							816.15	322.3	
2	-	0.*							817.15	289.5	
3	-	0.*							818S	243.4	
4	-	0.*							818.8S	75.3	
5	-	0.*							B1.11	328.4	
6	-	0.*							B1.10	332.0	
7	-	0.*							B1.9	315.2	
8	-	0.*							B1.8	327.0	
9	-	0.*							B1.7	268.2	
10	-	0.*							B1.6	173.9	
11	-	0.*							B1.5	28.7	
12	-	0.*							B1.4	15.8	
13	-	0.*							B1.3	13.7	
14	-	0.*							B1.2	41.7	
15	-	0.*							B1.1	242.3	
16	-	0.*							825.3S	38.4	
17	-	0.*							825.45S	119.7	
18	-	0.*							825.9S	.0	
19	-	0.*							825.9S	66.9	
20	-	0.*							826S	321.5	
21	-	0.*							827S	193.6	
22	-	0.*							827.6S	44.0	
23	-	0.*							827.8S	.0	
24	-	0.*							827.8S	91.1	
25	-	0.*							828S	121.2	
26	-	0.*							828.4S	98.7	
27	-	0.*							828.5S	.0	
28	-	0.*							828.5S	2.2	
29	-	0.*							828.6S	227.5	
30	-	2.*							829.2S	3.3	
31	-	3.*							829.2S	104.5	
32	-	2.*							829.6S	3.3	
33	-	0.*							829.6S	429.9	
34	-	0.*							830.9S	138.8	
35	-	0.*							831.2S	97.2	
36	-	0.*							831.6S	219.4	
37	-	0.*							831.9S	159.0	

38	-	0.*	832.4S	125.8
39	-	0.*	832.75	96.5
40	-	0.*	833S	65.0
41	-	0.*	833.2S	43.2
42	-	0.*	832.8S	300.8
43	-	0.*	833.5S	589.0
44	-	46.*	817.75	129.7
45	-	46.*	817.75	246.1
46	-	46.*	819.2S	134.0
47	-	46.*	819.8S	175.8
48	-	46.*	820.2S	161.3
49	-	0.*	825.3S	406.6
50	-	0.*	827.8S	42.6
51	-	0.*	827.6S	209.2
52	-	33.*	832.8S	101.3
53	-	3.*	816C	316.1
54	-	3.*	817C	329.6
55	-	3.*	818C	325.8
56	-	3.*	819C	328.9
57	-	3.*	820C	326.8
58	-	3.*	821C	329.1
59	-	3.*	822C	327.6
60	-	3.*	823C	327.7
61	-	3.*	824C	329.1
62	-	3.*	825C	326.3
63	-	3.*	826C	329.0
64	-	3.*	827C	326.2
65	-	3.*	828C	328.6
66	-	3.*	829C	657.6
67	-	3.*	831C	326.6
68	-	3.*	832C	328.3
69	-	3.*	833C	156.6
70	-	3.*	834C	170.4

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0 1 2 3 4 5 6 7

1

REC	REC ID	DNL	PEOPLE	LEQ(CAL)
1	18.10 S	67.	500.	73.4
2	ST18.5	67.	500.	75.8
3	18.12	67.	500.	73.4
4	18.13	67.	500.	71.2
5	18.14	67.	500.	66.1
6	18.15	67.	500.	67.3
7	18.16	67.	500.	68.9
8	ST18.	67.	500.	75.5

 9 18.18 67. 500. 78.4
10 18.19 67. 500. 70.7
11 LT18.2 67. 500. 79.2
12 18.21 67. 500. 69.4
13 18.22 67. 500. 81.5
14 18.23 67. 500. 64.5
15 ST18.2 67. 500. 78.3
16 18.25 67. 500. 78.3
17 18.26 67. 500. 64.0
18 ST18.1 67. 500. 71.1
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 0. 0. 0. 0. 2. 3. 2. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.46.46.46.46.46. 0. 0.
 0.33. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.

Roadway Segment 18 North Bound Barriers Carlsbad Village Rd. to Highway 78 Vista Way - Design - NB
T RW Seg 18NB Truck,1
4765,65,166,65,469,65
T RW Seg 18NB Truck,2
4765,65,166,65,469,65
T RW Seg 18NB Car,3
5234,65,166,65,0,0
T RW Seg 18NB Car,4
5234,65,166,65,0,0
T RW Seg 18NB HOV,5
3000,65,0,0,0,0
T RW Seg 18NB HOV,6
3000,65,0,0,0,0
T RW L14 NB on ramp Carlsbad,7
950,45,24,45,26,45
T RW L15 NB off ramp Las Flores,8
976,45,14,45,10,45
T RW L16 NB on ramp Las Flores,9
976,45,14,45,10,45
T RW L19 NB Connector to EB SR78,10
1890,45,54,45,56,45
T RW L20 NB off ramp loop WB SR78 ,11
945,25,27,25,28,25
T RW Seg 18SB Truck,12
4765,65,166,65,469,65
T RW Seg 18SB Truck,13
4765,65,166,65,469,65
T RW Seg 18SB Car,14
5234,65,166,65,0,65
T RW Seg 18SB Car,15
5234,65,166,65,0,0
T RW Seg 18SB HOV,16
3000,65,0,0,0,0
T RW Seg 18SB HOV,17
3000,65,0,0,0,0
T RW L21 SB off ramp SR78,18
1890,25,54,25,56,25
T RW L22 SB on ramp SR78,19
1890,45,54,45,56,45
T RW L17 SB off ramp Las Flores,20
976,45,14,45,10,45
T RW L18 SB on ramp Las Flores,21
976,45,14,45,10,45
T RW L13 SB off Ramp Carlsbad,22
950,45,24,45,26,45
L I-5 Seg 18NB Truck,1
N,98220.86,10881.39,27.9, Sta.814
N,98182.62,10974.62,28.2, Sta.815
N,98142.89,11067.76,28.5, Sta.816
N,98105.7,11158.99,28.2, Sta.817
N,98066.21,11252.13,27, Sta.818
N,98028.58,11343.77,26.2, Sta.819
N,97990.25,11436.3,25.7, Sta.820
N,97952.5,11528.62,25.6, Sta.821
N,97912.67,11620.61,25.2, Sta.822

N,97866.15,11711.22,23.3, Sta.823
N,97814.43,11799.02,20.7, Sta.824
N,97762.19,11885.06,18, Sta.825
N,97709.81,11970.16,15.7, Sta.826
N,97657.39,12054.9,13.4, Sta.827
N,97604.74,12139.63,10.4, Sta.828
L I-5 Seg 18NB Truck,2
N,97604.74,12139.63,10.4, Sta.828
N,97548.77,12222.53,8.8, Sta.829
N,97498.65,12308.95,6.6, Sta.830
N,97444.78,12394.1,6.7, Sta.831
Y,97393.18,12478.17,9.2, Sta.832
N,97340.87,12563.93,12.5, Sta.833
N,97286.52,12647.92,15.5, Sta.834
N,97228.87,12732.35,18.1, Sta.835
N,97171.94,12813.13,20.8, Sta.836
L I-5 Seg 18NB Cars,3
N,98213.85,10878.65,28.3, Sta.814
N,98174.61,10970.74,28.6, Sta.815
N,98135.65,11064.5,28.7, Sta.816
N,98097.57,11155.68,28.5, Sta.817
N,98059.3,11249.22,27.3, Sta.818
N,98022.06,11341,26.4, Sta.819
N,97983.19,11433.26,25.8, Sta.820
N,97944.06,11525.14,25.6, Sta.821
N,97904.6,11617.78,25.5, Sta.822
N,97857.88,11706.75,23.2, Sta.823
N,97808.03,11795.46,20.8, Sta.824
N,97755.11,11880.05,17.8, Sta.825
N,97702.79,11965.7,15.8, Sta.826
N,97650.28,12050.51,13.5, Sta.827
N,97598.18,12135.07,11, Sta.828
L I-5 Seg 18NB Cars,4
N,97598.18,12135.07,11, Sta.828
N,97543.97,12219.42,8.9, Sta.829
N,97489.54,12307.78,6.6, Sta.830
N,97439.67,12390.82,6.7, Sta.831
Y,97387.2,12474.34,9.3, Sta.832
Y,97334.2,12559.7,12.5, Sta.833
N,97279.65,12644.57,15.6, Sta.834
N,97223.24,12728.07,18.3, Sta.835
N,97166.02,12809.67,20.8, Sta.836
L I-5 Seg 18NB HOV,5
N,98205.29,10874.71,28.4, Sta.814
N,98166.62,10967.35,28.6, Sta.815
N,98127.17,11060.89,28.8, Sta.816
N,98089.62,11152.8,28.7, Sta.817
N,98050.87,11245.4,28.4, Sta.818
N,98012.92,11337.33,26.4, Sta.819
N,97974.08,11429.43,26, Sta.820
N,97936.68,11522.05,25.5, Sta.821
N,97895.78,11614.04,24.8, Sta.822
N,97849.92,11703.12,23, Sta.823
N,97799.68,11790.48,20.7, Sta.824
N,97747.87,11875.71,18.3, Sta.825
N,97694.92,11960.46,15.9, Sta.826

N,97642.61,12045.77,13.6, Sta.827
N,97590.02,12130.6,11.5, Sta.828
L I-5 Seg 18NB HOV,6
N,97590.02,12130.6,11.5, Sta.828
N,97538.09,12215.94,9, Sta.HOV
N,97485.34,12300.5,6.7, Sta.830
N,97431.99,12385.85,6.9, Sta.831
N,97379.75,12470.51,9.4, Sta.832
N,97328.11,12555.76,12.5, Sta.833
N,97273.77,12640.27,15.5, Sta.834
N,97216.27,12723.46,18.3, Sta.835
N,97158.9,12805.03,20.8, Sta.836
L14 NB on ramp Carlsbad,7
N,98164.36,11106.54,23.1,L14.816+25
Y,98124.56,11167.37,24.8,L14.817+00
N,98097.83,11220.56,26.5,L14.817+60
N,98079.71,11256.63,26.8,L14.818+00
N,98042.40,11327.67,26.2,L14.818+80
N,97987.10,11457.33,26.1,L14.819+00
L15 NB off ramp Las Flores,8
N,97920.90,11615.43,25.2,L15.821+90
N,97880.38,11716.61,23.7,L15.823+00
N,97856.55,11771.90,23.5,L15.823+60
N,97842.26,11809.61,24,L15.824+00
N,97821.98,11873.80,25.8,L15.824+70
L16 NB on ramp Las Flores,9
Y,97809.47,11893.04,25.5,L16.824+80
Y,97755.32,11952.28,20.2,L16.825+60
Y,97715.45,11996.98,16,L16.826+20
N,97678.32,12043.93,13.5,L16.826+80
Y,97635.11,12110.51,12,L16.827+60
N,97612.23,12145.74,11,L16.828+00
L19 NB Connector to EB SR78,10
N,97611.76,12141.15,11.4,L19.828+00
N,97558.30,12226.19,8.7,L19.829+00
Y,97505.48,12312.94,6.3,L19.830+00
Y,97457.22,12400.22,6.4,L19.831+00
Y,97433.94,12454.87,7.3,L19.831+60
Y,97423.46,12512.72,9.1,L19.832+20
Y,97427.31,12572.19,11,L19.832+80
N,97444.06,12628.26,11.5,L19.833+40
N,97473.21,12679.63,11,L19.834+00
N,97543.14,12749.64,7.4,L19.835+00
L20 NB off ramp loop WB SR78 ,11
N,97398.43,12476.75,9,L20.831+95
N,97369.22,12534.28,11.1,L20.833+00
N,97324.46,12623.74,14.8,L20.834+00
N,97303.07,12668.47,15.9,L20.834+50
N,97309.30,12695.36,16.2,L20.834+80
Y,97331.70,12707.37,16.5,L20.835+10
Y,97361.17,12698.12,17,L20.835+40
Y,97368.65,12663.43,18.3,L20.835+78
L I-5 Seg 18SB Truck,12
N,97130.72,12786.87,20.5, Sta.836
Y,97186.1,12703.44,18, Sta.835
N,97273.01,12575.98,13.5, Sta.834

Y,97298.15,12536.88,12.3, Sta.833
N,97349.72,12451.77,9, Sta.832
N,97402.02,12367.14,6.5, Sta.831
N,97455.75,12281.47,6.5, Sta.830
N,97508.11,12196.93,8.7, Sta.829
N,97560.19,12112.31,11.1, Sta.828
L I-5 Seg 18SB Truck,13
N,97560.19,12112.31,11.1, Sta.828
N,97612.73,12027.35,13.4, Sta.827
N,97666.94,11943.03,15.7, Sta.826
N,97719.25,11857.94,18, Sta.825
N,97772.44,11773.49,20.3, Sta.824
N,97820.86,11689.19,22.3, Sta.823
N,97865.42,11600.52,24.2, Sta.822
N,97905.96,11509.55,25.2, Sta.821
N,97943.58,11417.38,25.7, Sta.820
N,97981.81,11324.91,26.2, Sta.819
N,98020.56,11233.22,27.3, Sta.818
N,98059.38,11140.49,28.4, Sta.817
N,98097.34,11048.11,28.75, Sta.816
N,98135.43,10954.93,28.5, Sta.815
N,98174.41,10862.99,28.2, Sta.814
L I-5 Seg 18SB Cars,14
N,97137.96,12791.81,20.8, Sta.836
N,97193.32,12707.9,18.3, Sta.835
N,97279.69,12581.35,13.6, Sta.834
N,97305.79,12541.26,12.4, Sta.833
N,97357.58,12456.6,9.3, Sta.832
N,97410.1,12371.75,6.7, Sta.831
N,97462.63,12285.75,6.6, Sta.830
N,97515.79,12201.44,8.8, Sta.829
N,97567.51,12116.64,11.1, Sta.828
L I-5 Seg 18SB Cars,15
N,97567.51,12116.64,11.1, Sta.828
N,97619.85,12032.26,13.5, Sta.827
N,97673.8,11947,15.8, Sta.826
N,97726.83,11863.09,18, Sta.825
N,97778.35,11777.43,20.4, Sta.824
N,97827.96,11692.37,22.7, Sta.823
N,97872.99,11604.01,24.3, Sta.822
N,97912.96,11512.5,25.3, Sta.821
N,97951.12,11420.17,25.8, Sta.820
N,97990.41,11328.3,26.4, Sta.819
N,98027.33,11235.95,27.3, Sta.818
N,98065.93,11142.98,28.5, Sta.817
N,98103.89,11050.6,28.8, Sta.816
N,98142.38,10957.58,28.5, Sta.815
N,98181.36,10865.11,28.3, Sta.814
L I-5 Seg 18SB HOV,16
N,97145.23,12796.07,20.8, Sta.836
N,97202.24,12714.23,18.4, Sta.835
N,97287.95,12586.51,14, Sta.834
N,97313.12,12546.46,12.4, Sta.833
N,97366.03,12461.85,9.4, Sta.832
N,97418.75,12377.49,6.9, Sta.831
N,97471.03,12291.43,6.7, Sta.830

N,97523.03,12206.36,9, Sta.829
N,97576.37,12121.94,11.4, Sta.828
L I-5 Seg 18SB HOV,17
N,97576.37,12121.94,11.4, Sta.828
N,97628.77,12037.13,13.7, Sta.827
N,97681.33,11952.24,15.9, Sta.826
N,97733.71,11867.14,18.2, Sta.825
N,97786.81,11782.52,20.6, Sta.824
N,97835.89,11696.61,22.8, Sta.823
N,97881.05,11607.57,24.6, Sta.822
N,97921.85,11516.21,25.4, Sta.821
N,97959.27,11423.43,25.9, Sta.820
N,97998.97,11331.67,26.4, Sta.819
N,98036.35,11239.73,27.5, Sta.818
N,98075,11146.68,28.6, Sta.817
N,98113.07,11054.98,28.9, Sta.816
N,98151.8,10961.94,28.6, Sta.815
N,98190.42,10868.76,28.3, Sta.814
L21 SB off ramp SR78,18
N,97264.43,12581.35,13.8,L21.833+55
N,97289.75,12532.25,11.9,L21.833+00
N,97326.47,12461.05,10.2,L21.832+20
N,97329.19,12425.62,10.8,L21.831+80
N,97302.15,12402.33,12.4,L21.831+40
N,97267.78,12410.80,15,L21.831+00
N,97251.95,12443.86,16.1,L21.830+60
N,97240.46,12537.67,22.9,L21.829+72
L22 SB on ramp SR78,19
Y,97229.84,12522.41,22.9,L22.833+72
Y,97238.29,12451.12,19,L22.833+00
Y,97252.29,12412.43,15.8,L22.832+60
Y,97288.81,12390.14,12.7,L22.832+20
N,97347.45,12389.34,8.4,L22.831+60
N,97383.02,12376.20,6.8,L22.831.20
N,97408.25,12347.00,6.4,L22.830+80
N,97451.42,12279.51,6.4,L22.830+00
L17 SB off ramp Las Flores,20
N,97512.97,12177.88,11,L17.828+80
N,97549.34,12105.33,10.6,L17.828+00
N,97594.68,12016.27,15,L17.827+00
N,97622.26,11963.59,19.9,L17.826+40
N,97637.93,11926.49,23,L17.826+00
N,97647.93,11887.89,24.2,L17.825+50
L18 SB on ramp Las Flores,21
Y,97667.02,11877.10,24.9,L18.825+42
Y,97697.39,11847.33,24.1,L18.825+00
N,97735.02,11800.88,21.4,L18.824+40
N,97768.20,11750.87,20.6,L18.823+80
N,97810.00,11682.54,22.1,L18.823+00
N,97847.94,11612.37,23.7,L18.822+20
N,97874.42,11560.19,24.3,L18.821+60
L13 SB off Ramp Carlsbad,22
N,97975.70,11321.58,26.00,L13.819+00
N,98006.29,11226.33,26.40,L13.818+00
N,98030.16,11150.07,25.30,L13.817+20
N,98044.80,11091.69,23.20,L13.816+60

N,98062.89,11034.16,22.30,L13.816+00
Barrier 1 Soundwall ROW NB,1,2,0,0
98171.30, 11115.71, 24.2, 24.2, 816.3N
98131.70, 11171.21, 25.6, 25.6, 817N
98099.79, 11242.31, 26.2, 26.2, 817+80
98099.79, 11242.31, 26.2, 31.08, 817+80
98082.93, 11259.06, 26.5, 31.38, 818N
98032.04, 11366.52, 26.3, 31.18, 819N
98032.04, 11366.52, 26.3, 30.6, 819N
98000.41, 11440.45, 25.5, 29.8, 820N
97961.90, 11533.12, 25.5, 29.8, 821N
97922.17, 11625.61, 26.5, 30.8, 822N
97883.96, 11719.24, 26.0, 30.3, 823N
Barrier 2 Soundwall ROW NB,2,2,0,0
97883.96, 11719.24, 26.0, 30.3, 823N
97848.43, 11811.80, 26.0, 30.3, 824N
97837.2,11873.94,26.5,30.8, 824.6N
97837.2,11873.94,26.5,26.5, 824.6N
97825.72,11889.84,26,26, 824.8N
Barrier 3 Soundwall ROW NB,3,2,0,0
97825.72,11889.84,26,29.04, 824.8N
97804.66,11917.37,25.7,28.74, 825N
97747.65,11996.17,25.5,28.54, 826N
97747.65,11996.17,25.5,25.5, 826N
97692.22,12077.22,25.6,25.6, 827N
97647.01,12143.43,24.6,24.6, 827.8N
Barrier 4 Soundwall along Bridge NB, 4,2,0,0
98138.83, 11096.23, 28.70, 33.58, 816.2N
98099.26, 11191.65, 27.80, 32.68, 817.3N
98077.16, 11245.23, 26.92, 31.8, 817.9N
Barrier 5 Terrain Line NB,5,2,0,0
97647.01,12143.43,24.6,24.6, 827.8NT
97743.26,12171.77,26,26, 827.6NT
Barrier 6 Center Divider,6,2,0,0
98119.24,11060.94,29,30, 816C
98081.54,11149.62,28.2,29.2, 817C
98043.94,11242.76,27,28, 818C
98005.63,11334.39,26.5,27.5, 819C
97966.94,11426.86,25.9,26.9, 820C
97928.24,11518.68,25.6,26.6, 821C
97888.72,11610.88,24.7,25.7, 822C
97842.98,11699.62,22.8,23.8, 823C
97793.7,11786.45,20.5,21.5, 824C
97741.2,11871.89,18.4,19.4, 825C
Barrier 7 Center Divider -Cont.,7,2,0,0
97741.2,11871.89,18.4,19.4, 825C
97688.6,11956.31,16,17, 826C
97635.48,12041.31,13.7,14.7, 827C
97583.91,12126.27,11.5,12.5, 828C
97531.05,12211.33,9,10, 829C
97425.72,12381.82,6.9,7.9, 831C
97372.89,12466.18,9.5,10.5, 832C
97320.41,12551.29,12.5,13.5, 833C
97295.3,12591.88,14,15, 834C
97266.66,12635.19,15.5,16.5, 834.5C
Barrier 8 Building 1,8,2,0,0

98095.45,11303.6012,26.4,34.4, 818.4NB
98088.11,11323.58,26.4,34.4, 818.6NB
Barrier 9 Terrain Line NB Las Flores,9,2,0,0
97772.84,11883.43,25.41,25.41, 824.6NT
97912.13,11882.16,31.12,31.12, 824.2NT
Barrier 10 Bridge edge of traveled way NB,10,2,0,0
98214.78,10913.08,28.3,28.3, 814.4N
98153.87,11059.96,28.7,28.7, 815.8N
98153.87,11059.96,28.7,29.7, 815.8N
Barrier 11 Bridge edge of traveled way NB,11,2,0,0
97549.1654,12249.8416,8.2,9.2, 829.2N
97533.4471,12276.499,7.4,8.4, 829.6N
Barrier 12 Terrain Line road NB,12,2,0,0
97837.2,11873.94,26.5,26.5, 824.6N
97825.72,11889.84,26,26, 824.8N
R 18.1,1,55,4
98112.6,11319.58,29.2, 18.1 SF
R 18.1A,2,55,4
98047.13,11432.88,28.92, 18.1A SF
R 18.2,3,55,5
98014.72,11515.03,28.5, 18.2 SF
R 18.2A,4,55,6
97967.29,11575.43,28.08, 18.2A Park
R 18.3,5,55,6
97970.91,11614.39,30, LT18.1
R 18.4,6,55,2
98008.73,11760.49,34, 18.4 School
R 18.5,7,55,3
97934.2,11754.79,32, ST18.3
R 18.6,8,55,1
97905.78,11846.99,32, 18.6 SF
R 18.7,9,55,1
97869.11,11839.57,29, 18.7 SF
R 18.7A,10,55,3
97807.1,11933.07,27.6, 18.7A SF
R 18.8,11,55,1
97785.73,12127.11,30, 18.8 SF
R 18.9,12,55,1
97722.86,12140.08,28, 18.9 SF
D,4.5
ALL, ALL
K,0
All, All
K,-5
All,6

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGMENT 18 NORTH BOUND BARRIERS CARLSBAD VILLAGE RD. TO HIGHWAY 78 VISTA - DESIGN - NB

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	0.*							816.3N	223.7	
2	-	0.*							817N	255.6	
3	-	8.*							817+80	16.0	
4	-	16.*							817+80	78.0	
5	-	16.*							818N	390.1	
6	-	15.*							819N	1.9	
7	-	14.*							819N	263.8	
8	-	14.*							820N	329.2	
9	-	14.*							821N	330.3	
10	-	14.*							822N	331.8	
11	-	14.*							823N	325.2	
12	-	14.*							824N	207.2	
13	-	7.*							824.6N	14.1	
14	-	0.*							824.6N	64.4	
15	-	10.*							824.8N	113.7	
16	-	10.*							825N	319.0	
17	-	5.*							826N	9.9	
18	-	0.*							826N	322.2	
19	-	0.*							827N	263.0	
20	-	16.*							816.2N	338.9	
21	-	16.*							817.3N	190.2	
22	-	0.*							827.8NT	329.2	
23	-	3.*							816C	316.1	
24	-	3.*							817C	329.6	
25	-	3.*							818C	325.8	
26	-	3.*							819C	328.9	
27	-	3.*							820C	326.8	
28	-	3.*							821C	329.1	
29	-	3.*							822C	327.6	
30	-	3.*							823C	327.7	
31	-	3.*							824C	329.1	
32	-	3.*							825C	326.3	
33	-	3.*							826C	329.0	
34	-	3.*							827C	326.2	
35	-	3.*							828C	328.6	
36	-	3.*							829C	657.6	

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37    -  3.*                        831C     326.6
38    -  3.*                        832C     328.3
39    -  3.*                        833C     156.6
40    -  3.*                        834C     170.4

41    - 26.*                         818.4NB   69.9

42    -  0.*                        824.6NT  457.4

43    -  0.*                        814.4N   521.7
44    -  2.*                        815.8N     3.2

45    -  3.*                        829.2N   101.5

46    -  0.*                        824.6N    64.4
-------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
 REC REC ID    DNL  PEOPLE   LEQ(CAL)
 ---------------------------------
  1   18.1 SF  67.    500.   68.4
  2   18.1A S  67.    500.   71.0
  3   18.2 SF  67.    500.   70.5
  4   18.2A P  67.    500.   70.8
  5   LT18.1   67.    500.   70.4
  6   18.4 SC  67.    500.   60.9
  7   ST18.3   67.    500.   69.0
  8   18.6 SF  67.    500.   68.2
  9   18.7 SF  67.    500.   68.2
 10   18.7A S  67.    500.   69.5
 11   18.8 SF  67.    500.   66.7
 12   18.9 SF  67.    500.   69.0
 BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
  0. 0. 8.16.16.15.14.14.14.14.14.14. 7. 0.10.10. 5. 0. 0.16.16. 0. 3. 3. 3.
  3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.26. 0. 0. 2. 3. 0.
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Roadway Segment 18 South Bound Barriers Carlsbad Village Rd. to Highway 78 Vista Way - Design - SB
T RW Seg 18NB Truck,1
4765,65,166,65,469,65
T RW Seg 18NB Truck,2
4765,65,166,65,469,65
T RW Seg 18NB Car,3
5234,65,166,65,0,0
T RW Seg 18NB Car,4
5234,65,166,65,0,0
T RW Seg 18NB HOV,5
3000,65,0,0,0,0
T RW Seg 18NB HOV,6
3000,65,0,0,0,0
T RW L14 NB on ramp Carlsbad,7
950,45,24,45,26,45
T RW L15 NB off ramp Las Flores,8
976,45,14,45,10,45
T RW L16 NB on ramp Las Flores,9
976,45,14,45,10,45
T RW L19 NB Connector to EB SR78,10
1890,45,54,45,56,45
T RW L20 NB off ramp loop WB SR78 ,11
945,25,27,25,28,25
T RW Seg 18SB Truck,12
4765,65,166,65,469,65
T RW Seg 18SB Truck,13
4765,65,166,65,469,65
T RW Seg 18SB Car,14
5234,65,166,65,0,65
T RW Seg 18SB Car,15
5234,65,166,65,0,0
T RW Seg 18SB HOV,16
3000,65,0,0,0,0
T RW Seg 18SB HOV,17
3000,65,0,0,0,0
T RW L21 SB off ramp SR78,18
1890,25,54,25,56,25
T RW L22 SB on ramp SR78,19
1890,45,54,45,56,45
T RW L17 SB off ramp Las Flores,20
976,45,14,45,10,45
T RW L18 SB on ramp Las Flores,21
976,45,14,45,10,45
T RW L13 SB off Ramp Carlsbad,22
950,45,24,45,26,45
L I-5 Seg 18NB Truck,1
N,98220.86,10881.39,27.9, Sta.814
N,98182.62,10974.62,28.2, Sta.815
N,98142.89,11067.76,28.5, Sta.816
N,98105.7,11158.99,28.2, Sta.817
N,98066.21,11252.13,27, Sta.818
N,98028.58,11343.77,26.2, Sta.819
N,97990.25,11436.3,25.7, Sta.820
N,97952.5,11528.62,25.6, Sta.821
N,97912.67,11620.61,25.2, Sta.822

N,97866.15,11711.22,23.3, Sta.823
N,97814.43,11799.02,20.7, Sta.824
N,97762.19,11885.06,18, Sta.825
N,97709.81,11970.16,15.7, Sta.826
N,97657.39,12054.9,13.4, Sta.827
N,97604.74,12139.63,10.4, Sta.828
L I-5 Seg 18NB Truck,2,
N,97604.74,12139.63,10.4, Sta.828
N,97548.77,12222.53,8.8, Sta.829
N,97498.65,12308.95,6.6, Sta.830
N,97444.78,12394.1,6.7, Sta.831
Y,97393.18,12478.17,9.2, Sta.832
N,97340.87,12563.93,12.5, Sta.833
N,97286.52,12647.92,15.5, Sta.834
N,97228.87,12732.35,18.1, Sta.835
N,97171.94,12813.13,20.8, Sta.836
L I-5 Seg 18NB Cars,3,
N,98213.85,10878.65,28.3, Sta.814
N,98174.61,10970.74,28.6, Sta.815
N,98135.65,11064.5,28.7, Sta.816
N,98097.57,11155.68,28.5, Sta.817
N,98059.3,11249.22,27.3, Sta.818
N,98022.06,11341,26.4, Sta.819
N,97983.19,11433.26,25.8, Sta.820
N,97944.06,11525.14,25.6, Sta.821
N,97904.6,11617.78,25.5, Sta.822
N,97857.88,11706.75,23.2, Sta.823
N,97808.03,11795.46,20.8, Sta.824
N,97755.11,11880.05,17.8, Sta.825
N,97702.79,11965.7,15.8, Sta.826
N,97650.28,12050.51,13.5, Sta.827
N,97598.18,12135.07,11, Sta.828
L I-5 Seg 18NB Cars,4,
N,97598.18,12135.07,11, Sta.828
N,97543.97,12219.42,8.9, Sta.829
N,97489.54,12307.78,6.6, Sta.830
N,97439.67,12390.82,6.7, Sta.831
Y,97387.2,12474.34,9.3, Sta.832
Y,97334.2,12559.7,12.5, Sta.833
N,97279.65,12644.57,15.6, Sta.834
N,97223.24,12728.07,18.3, Sta.835
N,97166.02,12809.67,20.8, Sta.836
L I-5 Seg 18NB HOV,5,
N,98205.29,10874.71,28.4, Sta.814
N,98166.62,10967.35,28.6, Sta.815
N,98127.17,11060.89,28.8, Sta.816
N,98089.62,11152.8,28.7, Sta.817
N,98050.87,11245.4,28.4, Sta.818
N,98012.92,11337.33,26.4, Sta.819
N,97974.08,11429.43,26, Sta.820
N,97936.68,11522.05,25.5, Sta.821
N,97895.78,11614.04,24.8, Sta.822
N,97849.92,11703.12,23, Sta.823
N,97799.68,11790.48,20.7, Sta.824
N,97747.87,11875.71,18.3, Sta.825
N,97694.92,11960.46,15.9, Sta.826

N,97642.61,12045.77,13.6, Sta.827
N,97590.02,12130.6,11.5, Sta.828
L I-5 Seg 18NB HOV,6,
N,97590.02,12130.6,11.5, Sta.828
N,97538.09,12215.94,9, Sta.HOV
N,97485.34,12300.5,6.7, Sta.830
N,97431.99,12385.85,6.9, Sta.831
N,97379.75,12470.51,9.4, Sta.832
N,97328.11,12555.76,12.5, Sta.833
N,97273.77,12640.27,15.5, Sta.834
N,97216.27,12723.46,18.3, Sta.835
N,97158.9,12805.03,20.8, Sta.836
L14 NB on ramp Carlsbad,7,
N,98164.36,11106.54,23.1,L14.816+25
Y,98124.56,11167.37,24.8,L14.817+00
N,98097.83,11220.56,26.5,L14.817+60
N,98079.71,11256.63,26.8,L14.818+00
N,98042.4,11327.67,26.2,L14.818+80
N,97987.1,11457.33,26.1,L14.819+00
L15 NB off ramp Las Flores,8,
N,97920.9,11615.43,25.2,L15.821+90
N,97880.38,11716.61,23.7,L15.823+00
N,97856.55,11771.9,23.5,L15.823+60
N,97842.26,11809.61,24,L15.824+00
N,97821.98,11873.8,25.8,L15.824+70
L16 NB on ramp Las Flores,9,
Y,97809.47,11893.04,25.5,L16.824+80
Y,97755.32,11952.28,20.2,L16.825+60
Y,97715.45,11996.98,16,L16.826+20
N,97678.32,12043.93,13.5,L16.826+80
Y,97635.11,12110.51,12,L16.827+60
N,97612.23,12145.74,11,L16.828+00
L19 NB Connector to EB SR78,10,
N,97611.76,12141.15,11.4,L19.828+00
N,97558.3,12226.19,8.7,L19.829+00
Y,97505.48,12312.94,6.3,L19.830+00
Y,97457.22,12400.22,6.4,L19.831+00
Y,97433.94,12454.87,7.3,L19.831+60
Y,97423.46,12512.72,9.1,L19.832+20
Y,97427.31,12572.19,11,L19.832+80
N,97444.06,12628.26,11.5,L19.833+40
N,97473.21,12679.63,11,L19.834+00
N,97543.14,12749.64,7.4,L19.835+00
L20 NB off ramp loop WB SR78 ,11,
N,97398.43,12476.75,9,L20.831+95
N,97369.22,12534.28,11.1,L20.833+00
N,97324.46,12623.74,14.8,L20.834+00
N,97303.07,12668.47,15.9,L20.834+50
N,97309.3,12695.36,16.2,L20.834+80
Y,97331.7,12707.37,16.5,L20.835+10
Y,97361.17,12698.12,17,L20.835+40
Y,97368.65,12663.43,18.3,L20.835+78
L I-5 Seg 18SB Truck,12,
N,97130.72,12786.87,20.5, Sta.836
Y,97186.1,12703.44,18, Sta.835
N,97273.01,12575.98,13.5, Sta.834

Y,97298.15,12536.88,12.3, Sta.833
N,97349.72,12451.77,9, Sta.832
N,97402.02,12367.14,6.5, Sta.831
N,97455.75,12281.47,6.5, Sta.830
N,97508.11,12196.93,8.7, Sta.829
N,97560.19,12112.31,11.1, Sta.828
L I-5 Seg 18SB Truck,13,
N,97560.19,12112.31,11.1, Sta.828
N,97612.73,12027.35,13.4, Sta.827
N,97666.94,11943.03,15.7, Sta.826
N,97719.25,11857.94,18, Sta.825
N,97772.44,11773.49,20.3, Sta.824
N,97820.86,11689.19,22.3, Sta.823
N,97865.42,11600.52,24.2, Sta.822
N,97905.96,11509.55,25.2, Sta.821
N,97943.58,11417.38,25.7, Sta.820
N,97981.81,11324.91,26.2, Sta.819
N,98020.56,11233.22,27.3, Sta.818
N,98059.38,11140.49,28.4, Sta.817
N,98097.34,11048.11,28.75, Sta.816
N,98135.43,10954.93,28.5, Sta.815
N,98174.41,10862.99,28.2, Sta.814
L I-5 Seg 18SB Cars,14,
N,97137.96,12791.81,20.8, Sta.836
N,97193.32,12707.9,18.3, Sta.835
N,97279.69,12581.35,13.6, Sta.834
N,97305.79,12541.26,12.4, Sta.833
N,97357.58,12456.6,9.3, Sta.832
N,97410.1,12371.75,6.7, Sta.831
N,97462.63,12285.75,6.6, Sta.830
N,97515.79,12201.44,8.8, Sta.829
N,97567.51,12116.64,11.1, Sta.828
L I-5 Seg 18SB Cars,15,
N,97567.51,12116.64,11.1, Sta.828
N,97619.85,12032.26,13.5, Sta.827
N,97673.8,11947,15.8, Sta.826
N,97726.83,11863.09,18, Sta.825
N,97778.35,11777.43,20.4, Sta.824
N,97827.96,11692.37,22.7, Sta.823
N,97872.99,11604.01,24.3, Sta.822
N,97912.96,11512.5,25.3, Sta.821
N,97951.12,11420.17,25.8, Sta.820
N,97990.41,11328.3,26.4, Sta.819
N,98027.33,11235.95,27.3, Sta.818
N,98065.93,11142.98,28.5, Sta.817
N,98103.89,11050.6,28.8, Sta.816
N,98142.38,10957.58,28.5, Sta.815
N,98181.36,10865.11,28.3, Sta.814
L I-5 Seg 18SB HOV,16,
N,97145.23,12796.07,20.8, Sta.836
N,97202.24,12714.23,18.4, Sta.835
N,97287.95,12586.51,14, Sta.834
N,97313.12,12546.46,12.4, Sta.833
N,97366.03,12461.85,9.4, Sta.832
N,97418.75,12377.49,6.9, Sta.831
N,97471.03,12291.43,6.7, Sta.830

N,97523.03,12206.36,9, Sta.829
N,97576.37,12121.94,11.4, Sta.828
L I-5 Seg 18SB HOV,17,
N,97576.37,12121.94,11.4, Sta.828
N,97628.77,12037.13,13.7, Sta.827
N,97681.33,11952.24,15.9, Sta.826
N,97733.71,11867.14,18.2, Sta.825
N,97786.81,11782.52,20.6, Sta.824
N,97835.89,11696.61,22.8, Sta.823
N,97881.05,11607.57,24.6, Sta.822
N,97921.85,11516.21,25.4, Sta.821
N,97959.27,11423.43,25.9, Sta.820
N,97998.97,11331.67,26.4, Sta.819
N,98036.35,11239.73,27.5, Sta.818
N,98075,11146.68,28.6, Sta.817
N,98113.07,11054.98,28.9, Sta.816
N,98151.8,10961.94,28.6, Sta.815
N,98190.42,10868.76,28.3, Sta.814
L21 SB off ramp SR78,18,
N,97264.43,12581.35,13.8,L21.833+55
N,97289.75,12532.25,11.9,L21.833+00
N,97326.47,12461.05,10.2,L21.832+20
N,97329.19,12425.62,10.8,L21.831+80
N,97302.15,12402.33,12.4,L21.831+40
N,97267.78,12410.8,15,L21.831+00
N,97251.95,12443.86,16.1,L21.830+60
N,97240.46,12537.67,22.9,L21.829+72
L22 SB on ramp SR78,19,
Y,97229.84,12522.41,22.9,L22.833+72
Y,97238.29,12451.12,19,L22.833+00
Y,97252.29,12412.43,15.8,L22.832+60
Y,97288.81,12390.14,12.7,L22.832+20
N,97347.45,12389.34,8.4,L22.831+60
N,97383.02,12376.2,6.8,L22.831.20
N,97408.25,12347,6.4,L22.830+80
N,97451.42,12279.51,6.4,L22.830+00
L17 SB off ramp Las Flores,20,
N,97512.97,12177.88,11,L17.828+80
N,97549.34,12105.33,10.6,L17.828+00
N,97594.68,12016.27,15,L17.827+00
N,97622.26,11963.59,19.9,L17.826+40
N,97637.93,11926.49,23,L17.826+00
N,97647.93,11887.89,24.2,L17.825+50
L18 SB on ramp Las Flores,21,
Y,97667.02,11877.1,24.9,L18.825+42
Y,97697.39,11847.33,24.1,L18.825+00
N,97735.02,11800.88,21.4,L18.824+40
N,97768.2,11750.87,20.6,L18.823+80
N,97810,11682.54,22.1,L18.823+00
N,97847.94,11612.37,23.7,L18.822+20
N,97874.42,11560.19,24.3,L18.821+60
L13 SB off Ramp Carlsbad,22,
N,97975.7,11321.58,26,L13.819+00
N,98006.29,11226.33,26.4,L13.818+00
N,98030.16,11150.07,25.3,L13.817+20
N,98044.8,11091.69,23.2,L13.816+60

N,98062.89,11034.16,22.3,L13.816+00
Barrier 1 Soundwall ROW SB,1,2,0,0
98046.2,11046.62,23.5,23.5, 816.15S
98026.08,11142.8,23.7,23.7, 817.15S
98003.42,11228.08,24,24, 818S
97976.4,11297.18,24.6,24.6, 818.8S
Barrier 2 ROW Soundwall SB ,2,2,0,0
97976.4,11297.18,24.6,28.26, 818.8S
97970.21,11319.27,24.2,27.86,B1.11
97931.76,11411.67,23.8,27.46,B1.10
97892.41,11504.91,24.4,28.06,B1.9
97852.00,11592.05,24.1,27.76,B1.8
97804.33,11679.60,23.31,26.97,B1.7
97761.91,11749.48,23.55,27.21,B1.6
97729.13,11791.13,23.5,27.16,B1.5
97729.13,11791.13,23.5,27.8,B1.5
97728.34,11799.85,23.5,27.8,B1.4
97725.51,11803.78,23.5,27.8,B1.3
Barrier 3 Soundwall ROW SB,3,2,0,0
97725.51,11803.78,23.5,27.8,B1.3
97723.50,11807.4209,23.5,27.8,B1.2
97714.77,11816.6421,23.5,27.8,B1.1
97654.87,11859.83,23.6,27.9, 825.3S
97651.45,11871.03,24,28.3, 825.45S
Barrier 4 Soundwall ROW SB,4,2,0,0
97651.45,11871.03,24,24, 825.45S
97632.04,11901.88,23.8,23.8, 825.9S
97632.04,11901.88,23.8,28.68, 825.9S
97626.44,11921.48,23.9,28.78, 826S
97600,11973.03,23.8,28.68, 826.55S
97578.18,12006.78,23.8,28.68, 827S
97545.32,12055.78,22.75,27.63, 827.6S
Barrier 5 Soundwall ROW SB,5,2,0,0
97538.51,12067.3,23.18,28.06, 827.8S
97525.67,12091.93,22.7,27.58, 828.1S
97521.16,12098.18,22,26.88, 828.22S
97516.48,12109.51,20,24.88, 828S
97509.54,12125,19.5,24.38, 828.4S
Barrier 6 ROW SB,6,2,0,0
97482.92,12210.43,8.2,8.2, 829.2S
97482.92,12210.43,8.2,9.2, 829.2S
97466,12237.37,7.1,8.1, 829.6S
97466,12237.37,7.1,7.1, 829.6S
97395.91,12348.09,6.5,6.5, 830.9S
97363.23,12374.88,8.5,8.5, 831.2S
97334.02,12379.68,9,9, 831.6S
97267.75,12388.38,11,11, 831.9S
97237.64,12426.15,15,15, 832.4S
97228.63,12462.93,20.9,20.9, 832.75S
Barrier 7 Soundwall ROW SB,7,2,0,0
97228.63,12462.93,20.9,20.9, 832.75S
97225.57,12492.14,22.5,22.5, 833S
97219.16,12510.88,22.9,22.9, 833.2S
97206.63,12514.93,22.9,22.88, 833.3S
Barrier 8 Terrain Line,8,2,0,0
97224.35,12461.26,20.9,20.9, 832.8ST

97148.35,12409.99,20,20, 832.8ST
Barrier 9 Terrain Line Vista Way,9,2,0,0
97256.93,12571.35,23.5,23.5, 833.5ST
97111.07,12466.73,20.2,20.2, 833.4ST
Barrier 10 Extended Stay America,10,2,0,0
97947.32,11162.9,23.8,37.8, 817.75SB
97982.31,11181.29,23.8,37.8, 817.75SB
97960.82,11253.2,23.8,37.8, 818.4SB
Barrier 11 Retirement Community,11,2,0,0
97907.86,11321.4,23.7,37.7, 819.2SB
97886.22,11356.07,23.7,37.7, 819.8SB
97888.97,11409.57,23.7,37.7, 820.2SB
97869.78,11454.85,23.7,37.7, 820.75SB
Barrier 12 Terrain Line Las Flores SB,12,2,0,0
97688.95,11884.21,25.23,25.23, 825.3ST
97565.13,11884.9,20,20, 826ST
Barrier 13 Terrain Line Jefferson St SB,13,2,0,0
97541.67,12062.46,22.6,22.6, 827.8ST
97536.51,12050.53,22.56,22.56, 827.6ST
97527.91,11987.39,21,21, 827ST
Barrier 14 Building SB,14,2,0,0
97149.3,12425.2,21.2,31.2, 832.8SB
97170.79,12447.35,21.2,31.2, 832.8SB
Barrier 15 Center Divider,15,2,0,0
98119.24,11060.94,29,30, 816C
98081.54,11149.62,28.2,29.2, 817C
98043.94,11242.76,27,28, 818C
98005.63,11334.39,26.5,27.5, 819C
97966.94,11426.86,25.9,26.9, 820C
97928.24,11518.68,25.6,26.6, 821C
97888.72,11610.88,24.7,25.7, 822C
97842.98,11699.62,22.8,23.8, 823C
97793.7,11786.45,20.5,21.5, 824C
97741.2,11871.89,18.4,19.4, 825C
Barrier 16 Center Divider -Cont.,16,2,0,0
97741.2,11871.89,18.4,19.4, 825C
97688.6,11956.31,16,17, 826C
97635.48,12041.31,13.7,14.7, 827C
97583.91,12126.27,11.5,12.5, 828C
97531.05,12211.33,9,10, 829C
97425.72,12381.82,6.9,7.9, 831C
97372.89,12466.18,9.5,10.5, 832C
97320.41,12551.29,12.5,13.5, 833C
97295.3,12591.88,14,15, 834C
97266.66,12635.19,15.5,16.5, 834.5C
Barrier 17 Terrain Line SB,17,2,0,0
97651.45,11871.03,24,24, 825.45S
97632.04,11901.88,23.8,23.8, 825.9S
Barrier 18 Terrain Line SB,18,2,0,0
97509.54,12125,19.5,19.5, 828.4S
97519.61,12152.59,13,13, 828.5S
97519.97,12152.01,13,13, 828.6S
97482.92,12210.43,8.2,8.2, 829.2S
R 18.10,1,55,2
97510.49,12098.36,22,   18.10 SF
R 18.11,2,55,1

97553.73,12027.33,25.4, ST18.5 CAL
R 18.12,3,55,1
97567.81,11986.95,25.4, 18.12 SF
R 18.13,4,55,1
97591.44,11923.19,24.5, 18.13 MF
R 18.14,5,55,4
97609.07,11864.26,24.9, 18.14 SF
R 18.15,6,55,2
97658.12,11806.87,25.1, 18.15 SF
R 18.16,7,55,2
97687.93,11795.75,24.9, 18.16 SF
R 18.17,8,55,2
97710.81,11785.39,24.9,   ST18.4
R 18.18,9,55,6
97765.64,11726.47,24.9, 18.18 SF
R 18.19,10,55,4
97775.7,11665.04,25.2, 18.19 SF
R 18.20,11,55,6
97832.08,11604.83,25.2, LT18.2
R 18.21,12,55,3
97836.15,11501.49,25, 18.21 Motel
R 18.22,13,55,3
97885.68,11507.06,25.5, 18.22 SF
R 18.23,14,55,3
97868.49,11406.58,25.2, 18.23 MF
R 18.24,15,55,2
97907.41,11415.73,24.3, St18.2 CAL
R 18.25,16,55,4
97941.98,11341.37,23.6, 18.25 MFR
R 18.26,17,55,1
97963.27,11207.84,22.5, 18.26 HOT
R 18.27,18,55,3
97951.42,11136.46,22.8, ST18.1
D,4.5
ALL, ALL
K,0
All, All
K,-5
All,5,6,7,10,12

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGMENT 18 SOUTH BOUND BARRIERS CARLSBAD VILLAGE RD. TO HIGHWAY 78 VISTA

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	0.*							816.15S	322.3	
2	-	0.*							817.15S	289.5	
3	-	0.*							818S	243.4	
4	-	12.*							818.8S	75.3	
5	-	12.*							B1.11	328.4	
6	-	12.*							B1.10	332.0	
7	-	12.*							B1.9	315.2	
8	-	12.*							B1.8	327.0	
9	-	12.*							B1.7	268.2	
10	-	12.*							B1.6	173.9	
11	-	13.*							B1.5	2.1	
12	-	14.*							B1.5	28.7	
13	-	14.*							B1.4	15.8	
14	-	14.*							B1.3	13.7	
15	-	14.*							B1.2	41.7	
16	-	14.*							B1.1	242.3	
17	-	14.*							825.3S	38.4	
18	-	0.*							825.45S	119.7	
19	-	8.*							825.9S	16.0	
20	-	16.*							825.9S	66.9	
21	-	16.*							826S	190.0	
22	-	16.*							826.55S	131.8	
23	-	16.*							827S	193.6	
24	-	16.*							827.8S	91.1	
25	-	16.*							828.1S	25.4	
26	-	16.*							828.22S	40.8	
27	-	16.*							828S	55.7	
28	-	2.*							829.2S	3.3	
29	-	3.*							829.2S	104.5	
30	-	2.*							829.6S	3.3	
31	-	0.*							829.6S	429.9	
32	-	0.*							830.9S	138.8	
33	-	0.*							831.2S	97.2	
34	-	0.*							831.6S	219.4	
35	-	0.*							831.9S	159.0	
36	-	0.*							832.4S	125.8	

37	-	0.*	832.75S	96.5
38	-	0.*	833S	65.0
39	-	0.*	833.2S	43.2
40	-	0.*	832.8ST	300.8
41	-	0.*	833.5ST	589.0
42	-	46.*	817.75S	129.7
43	-	46.*	817.75S	246.2
44	-	46.*	819.2SB	134.0
45	-	46.*	819.8SB	175.8
46	-	46.*	820.2SB	161.3
47	-	0.*	825.3ST	406.6
48	-	0.*	827.8ST	42.6
49	-	0.*	827.6ST	209.2
50	-	33.*	832.8SB	101.3
51	-	3.*	816C	316.1
52	-	3.*	817C	329.6
53	-	3.*	818C	325.8
54	-	3.*	819C	328.9
55	-	3.*	820C	326.8
56	-	3.*	821C	329.1
57	-	3.*	822C	327.6
58	-	3.*	823C	327.7
59	-	3.*	824C	329.1
60	-	3.*	825C	326.3
61	-	3.*	826C	329.0
62	-	3.*	827C	326.2
63	-	3.*	828C	328.6
64	-	3.*	829C	657.6
65	-	3.*	831C	326.6
66	-	3.*	832C	328.3
67	-	3.*	833C	156.6
68	-	3.*	834C	170.4
69	-	0.*	825.45S	119.7
70	-	0.*	828.4S	98.7
71	-	0.*	828.5S	2.2
72	-	0.*	828.6S	227.5

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0 1 2 3 4 5 6 7

1

REC	REC ID	DNL	PEOPLE	LEQ(CAL)
1	18.10	67.	500.	68.2
2	ST18.5	67.	500.	66.3
3	18.12	67.	500.	65.6
4	18.13	67.	500.	66.3

5 18.14 67. 500. 63.4
6 18.15 67. 500. 62.4
7 18.16 67. 500. 62.8
8 ST18. 67. 500. 68.7
9 18.18 67. 500. 70.3
10 18.19 67. 500. 65.9
11 LT18.2 67. 500. 71.6
12 18.21 67. 500. 65.7
13 18.22 67. 500. 71.2
14 18.23 67. 500. 62.7
15 ST18.2 67. 500. 72.6
16 18.25 67. 500. 72.0
17 18.26 67. 500. 63.2
18 ST18.1 67. 500. 71.1

BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION

0. 0. 0.12.12.12.12.12.12.12.13.14.14.14.14.14.14. 0. 8.16.16.16.16.16.16.
16.16. 2. 3. 2. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.46.46.46.46.46. 0. 0. 0.33.
3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0.

Roadway Segment 19 North Bound Vista Way (SR 78) to Oceanside NB only - No Build - Fence for R19.16
T RW Seg 19NB Truck, 1
0, 0, 0, 0, 0, 0
T RW Seg 19NB Truck, 2
0, 0, 0, 0, 0, 0
T RW Seg 19NB Car, 3
4961, 65, 97, 65, 342, 65
T RW Seg 19NB Car, 4
4961, 65, 97, 65, 342, 65
T RW Seg 19NB HOV, 5
3454, 65, 146, 65, 0, 0
T RW Seg 19NB HOV, 6
3454, 65, 146, 65, 0, 0
T RW Seg 19NB On Ramp from SR-78, 7
1890, 45, 54, 45, 56, 45
T RW Seg 19NB Off Loop to WB SR-78, 8
284, 25, 8, 25, 8, 25
T RW Seg 19NB Off Loop to Ocean Blvd, 9
945, 25, 27, 25, 28, 25
T RW Seg 19NB Ramp from Ocean Blvd, 10
473, 45, 14, 45, 14, 45
T RW Seg 19NB onramp from California, 11
234, 45, 4, 45, 2, 45
T RW Seg 19SB Truck, 12
0, 0, 0, 0, 0, 0
T RW Seg 19SB Truck, 13
0, 0, 0, 0, 0, 0
T RW Seg 19SB Car, 14
4961, 65, 97, 65, 342, 65
T RW Seg 19SB Car, 15
4961, 65, 97, 65, 342, 65
T RW Seg 19SB HOV, 16
3454, 65, 146, 65, 0, 0
T RW Seg 19SB HOV, 17
3454, 65, 146, 65, 0, 0
T RW Seg 19SB Onramp from Casidy, 18
340, 45, 10, 45, 10, 45
T RW Seg 19SB Off Ramp to Cassidy St, 19
189, 45, 5, 45, 6, 45
T RW Seg 19SB On Loop from Oceanside, 20
945, 25, 27, 28, 17, 25
T RW Seg 19SB Off Ramp to Oceanside, 21
558, 45, 16, 45, 17, 45
T RW Seg 19SB Off Loop to SR78, 22
1890, 45, 54, 45, 56, 45
T RW Seg 19SB On Ramp from SR78, 23
945, 45, 27, 45, 28, 45
L I-5 Seg 19NB Truck, 1
Y, 97393.18, 12478.17, 9.2, Sta.832
N, 97340.87, 12563.93, 12.5, Sta.833
N, 97285.97, 12648.77, 15.5, Sta.834
N, 97228.87, 12732.35, 18.1, Sta.835
N, 97171.94, 12813.13, 20.8, Sta.836
N, 97116.61, 12896.88, 21.9, Sta.837
N, 97059.82, 12979.59, 23, Sta.838

N, 97003.27, 13063.77, 24.3, Sta.839
N, 96945.67, 13144.06, 25.5, Sta.840
N, 96889.96, 13226.09, 26.7, Sta.841
N, 96833.55, 13308.44, 27.1, Sta.842
N, 96777.38, 13390.45, 26, Sta.843
N, 96729.03, 13463.96, 24.9, Sta.843.9
N, 96666.52, 13557.26, 23.5, Sta.845
 96609.75, 13640.16, 22.2, Sta.846
L I-5 Seg 19NB Truck- cont, 2
N, 96609.75, 13640.16, 22.2, Sta.846
N, 96553.42, 13723.71, 20.5, Sta.847
N, 96497.18, 13804.88, 18.5, Sta.848
N, 96440.43, 13888.29, 16.3, Sta.849
N, 96384.49, 13970.91, 14.2, Sta.850
N, 96327.79, 14054.12, 15, Sta.851
N, 96297.57, 14098.66, 16.3, Sta.851.5
N, 96213.89, 14220.75, 19.8, Sta.853
 96157.96, 14303.43, 22.1, Sta.854
L I-5 Seg 19NB Cars, 3
Y, 97387.2, 12474.34, 9.3, Sta.832
Y, 97334.2, 12559.7, 12.5, Sta.833
N, 97279.65, 12644.57, 15.6, Sta.834
N, 97223.24, 12728.07, 18.3, Sta.835
N, 97166.02, 12809.67, 20.8, Sta.836
N, 97110.23, 12892.47, 22.1, Sta.837
N, 97053.79, 12975.39, 23.2, Sta.838
N, 96996.79, 13059.55, 24.4, Sta.839
N, 96939.57, 13139.58, 25.6, Sta.840
N, 96884.62, 13222.73, 26.7, Sta.841
N, 96827.68, 13304.89, 27.2, Sta.842
N, 96772.18, 13387.16, 26.1, Sta.843
N, 96722.93, 13459.99, 25.1, Sta.843.9
N, 96660.55, 13553.26, 23.6, Sta.845
 96604.08, 13636.14, 22.2, Sta.846
L I-5 Seg 19NB Cars - Cont, 4
N, 96604.08, 13636.14, 22.2, Sta.846
N, 96547.11, 13719.42, 20.6, Sta.847
N, 96491.18, 13800.74, 18.6, Sta.848
N, 96434.73, 13884.82, 16.4, Sta.849
N, 96378.15, 13966.78, 14.3, Sta.850
N, 96322.2, 14050.31, 15.2, Sta.851
N, 96291.58, 14093.73, 16.4, Sta.851.5
N, 96206.71, 14215.57, 19.9, Sta.853
 96152.6, 14298.14, 22.2, Sta.854
L I-5 Seg 19NB HOV, 5
N, 97379.75, 12470.51, 9.4, Sta.832
N, 97328.11, 12555.76, 12.5, Sta.833
N, 97272.89, 12640.53, 15.5, Sta.834
N, 97216.27, 12723.46, 18.3, Sta.835
N, 97158.9, 12805.03, 20.8, Sta.836
N, 97103.93, 12888.35, 22.2, Sta.837
N, 97047.1, 12970.92, 23.3, Sta.838
N, 96990.91, 13055.18, 24.5, Sta.839
N, 96933.08, 13136.74, 25.8, Sta.840
N, 96878.81, 13218.76, 26.7, Sta.841
N, 96822.08, 13300.75, 27.2, Sta.842

N, 96765.78, 13383.32, 26.3, Sta.843
N, 96716.58, 13455.73, 25.2, Sta.843.9
N, 96653.79, 13549.22, 23.7, Sta.845
N, 96597.09, 13632.1, 22.2, Sta.846
L I-5 Seg 19NB HOV - cont, 6
N, 96597.09, 13632.1, 22.2, Sta.846
N, 96540.2, 13714.15, 20.7, Sta.847
N, 96483.66, 13796.7, 18.7, Sta.848
N, 96427.99, 13879.11, 16.4, Sta.849
N, 96371.79, 13962.23, 14.4, Sta.850
N, 96315.06, 14045.49, 15.3, Sta.851
N, 96284.94, 14090.19, 16.5, Sta.851.5
N, 96201.28, 14212.34, 20, Sta.853
96145.97, 14293.34, 22.4, Sta.854
L I-5 Seg 19NB NB On Ramp from Vista Way SR 78, 7
Y, 97469.59, 12747.05, 10, Sta.832.6
Y, 97437.55, 12731.05, 12.5, Sta.833
Y, 97390.01, 12718.36, 15.25, Sta.833.5
N, 97341.24, 12717.88, 18, Sta.834
N, 97294.51, 12728.41, 19, Sta.834.5
N, 97248.96, 12749.64, 19.38, Sta.835
N, 97213.54, 12779.73, 20, Sta.835.5
N, 97180.7, 12819.84, 20.5, Sta.836
N, 97152.07, 12860.95, 21, Sta.836.5
N, 97122.24, 12900.75, 22, Sta.837
97064.51, 12982.54, 23, Sta.838
L I-5 Seg 19NB NB Off Loop to WB SR78, 8
N, 97444.78, 12394.1, 6.2, Sta.831
N, 97398.24, 12481.76, 8.45, Sta.832
N, 97349.91, 12568.91, 11.2, Sta.833
N, 97325.86, 12612.83, 11.8, Sta.833.6
N, 97303.86, 12657.85, 11.3, Sta.834
Y, 97301.34, 12681.57, 10.8, Sta.834.3
Y, 97321.05, 12702.32, 9.8, Sta.834.6
Y, 97352.09, 12699.3, 8.5, Sta.834.9
N, 97365.51, 12670.73, 6.9, Sta.835.3
97354.41, 12644.89, 6.1, Sta.835.6
L I-5 Seg 19NB NB Off Loop to Ocean Blvd, 9
N, 96385.77, 13969.91, 14.3, Sta.850
N, 96330.51, 14054.09, 14.76, Sta.851
N, 96283.94, 14144.30, 17, Sta.852
N, 96248.35, 14221.79, 16.8, Sta.853.9
Y, 96256.83, 14246.62, 15.52, Sta.853.2
Y, 96272.32, 14259.87, 14.5, Sta.853.4
N, 96300.83, 14261.30, 12.8, Sta.853.8
Y, 96323.64, 14241.01, 11.9, Sta.854.1
96371.03, 14172.22, 8.32, Sta.854.9
L I-5 Seg 19NB NB On Ramp from Ocean Blvd, 10
Y, 96379.37, 14177.40, 8.32, Sta.851.4
Y, 96323.21, 14259.62, 12.7, Sta.852
Y, 96293.58, 14278.23, 14.6, Sta.852.5
N, 96212.64, 14298.19, 18.75, Sta.853.4
N, 96177.91, 14312.11, 20.6, Sta.854.2
N, 96145.56, 14334.01, 22.77, Sta.855
N, 96108.49, 14378.61, 24.22, Sta.856
96054.51, 14456.29, 26.2, Sta.857

L I-5 Seg 19NB NB onramp from California St, 11
N, 96755.89, 13492.34, 32.6, Sta.843.9
N, 96717.42, 13531.68, 29.4, Sta.844.5
N, 96682.25, 13567.95, 25.9, Sta.845
N, 96644.03, 13611.82, 23.2, Sta.845.5
N, 96617.21, 13644.81, 22, Sta.845.95
96558.83, 13727.05, 20.3, Sta.847
L I-5 Seg 19SB Truck, 12
N, 96511.6, 13693.4, 20.5, Sta.847
N, 96567.9, 13611.35, 22, Sta.846
N, 96625.24, 13529.63, 23.5, Sta.845
N, 96689.44, 13437.15, 24.8, Sta.844
N, 96738.45, 13365.4, 26, Sta.843
N, 96794.48, 13282.15, 26.5, Sta.842
N, 96849.05, 13198.73, 26.5, Sta.841
N, 96905.18, 13116.17, 25.4, Sta.840
N, 96961.58, 13034.99, 24.5, Sta.839
N, 97016.94, 12951.08, 23.3, Sta.838
N, 97075.03, 12869.26, 22, Sta.837
N, 97130.72, 12786.87, 20.5, Sta.836
N, 97186.1, 12703.44, 18, Sta.835
Y, 97241.86, 12621.55, 15.2, Sta.834
N, 97298.15, 12536.88, 12.3, Sta.833
97349.72, 12451.77, 9, Sta.832
L I-5 Seg 19SB Truck, cont, 13
N, 96120.73, 14276.24, 22, Sta.854
Y, 96175.07, 14193.32, 19.5, Sta.853
N, 96258.91, 14069.9, 16.3, Sta.852
N, 96288.65, 14027.9, 15.1, Sta.851
N, 96341.28, 13942.94, 14.2, Sta.850
N, 96397.61, 13860.8, 16.2, Sta.849
N, 96454.79, 13777.89, 18.4, Sta.848
96510.83, 13694.86, 20.5, Sta.847
L I-5 Seg 19SB Cars, 14
N, 96519.17, 13699.85, 20.6, Sta.847
N, 96575.32, 13615.98, 22.3, Sta.846
N, 96632.57, 13534.62, 23.6, Sta.845
N, 96696.2, 13441.82, 25, Sta.844
N, 96745.34, 13370.03, 26, Sta.843
N, 96802.3, 13287, 27.3, Sta.842
N, 96857.08, 13204.46, 26.7, Sta.841
N, 96912.18, 13121.45, 25.5, Sta.840
N, 96969.41, 13039.5, 24.3, Sta.839
N, 97024.86, 12955.75, 23.4, Sta.838
N, 97081.97, 12873.51, 22, Sta.837
N, 97137.96, 12791.81, 20.8, Sta.836
N, 97193.32, 12707.9, 18.3, Sta.835
N, 97249.44, 12626.09, 15.3, Sta.834
N, 97305.79, 12541.26, 12.4, Sta.833
97357.58, 12456.6, 9.3, Sta.832
L I-5 Seg 19SB Cars, 15
N, 96126.34, 14280.01, 22.3, Sta.854
Y, 96180.84, 14197.12, 19.9, Sta.853
N, 96265.5, 14075.01, 16.4, Sta.852
N, 96294.66, 14032.11, 15.2, Sta.851
N, 96348.21, 13948.06, 14.3, Sta.850

N, 96405, 13865.01, 16.3, Sta.849
N, 96461.4, 13782.16, 18.2, Sta.848
 96518.51, 13699.95, 20.6, Sta.847
L I-5 Seg 19SB HOV, 16
N, 96527.05, 13705.21, 20.8, Sta.847
N, 96583.32, 13622.5, 22.3, Sta.846
N, 96640.42, 13539.84, 23.7, Sta.845
N, 96703.73, 13446.98, 25.2, Sta.844
N, 96752.62, 13374.7, 26.2, Sta.843
N, 96808.88, 13291.58, 27.3, Sta.842
N, 96865.19, 13209.3, 28.8, Sta.841
N, 96920.56, 13127.37, 25.7, Sta.840
N, 96977.1, 13045.33, 24.5, Sta.839
N, 97033.3, 12961.36, 23.2, Sta.838
N, 97090.29, 12879.22, 22.2, Sta.837
N, 97145.23, 12796.07, 20.8, Sta.836
N, 97202.24, 12714.23, 18.4, Sta.835
N, 97258.23, 12631.37, 15.5, Sta.834
N, 97313.12, 12546.46, 12.4, Sta.833
N, 97366.03, 12461.85, 9.4, Sta.832
L I-5 Seg 19SB HOV, 17
N, 96131.72, 14284.35, 22.4, Sta.854
N, 96188.01, 14201.05, 20, Sta.853
N, 96271.61, 14079.71, 16.5, Sta.852
N, 96301.14, 14036.08, 15.3, Sta.851
N, 96356.68, 13952.69, 14.4, Sta.850
N, 96413.15, 13870.85, 16.5, Sta.849
N, 96469.42, 13788.27, 18.7, Sta.848
 96526.75, 13705.38, 20.8, Sta.847
L I-5 Seg 19SB SB Onramp from Casidy St, 18
N, 96928.2, 12852.16, 21.8, Sta.838.5
N, 96952.98, 12865.88, 22.5, Sta.838.15
Y, 97023.72, 12868.25, 23.85, Sta.837.4
N, 97064.05, 12857.95, 22, Sta.837
Y, 97123.11, 12781.84, 23.5, Sta.836
Y, 97180.45, 12699.61, 20, Sta.835
 97237.25, 12618.76, 15.25, Sta.834
L I-5 Seg 19SB SB Off Ramp to Cassidy St, 19
N, 96849.05, 13198.73, 26, Sta.841
N, 96873.2, 13158.62, 25.5, Sta.840.5
N, 96933.34, 13053.32, 24.25, Sta.839.15
N, 96964.56, 12991, 24.1, Sta.838.6
N, 96969.11, 12937.77, 23.8, Sta.838.5
N, 96954.51, 12890.65, 23, Sta.837.6
 96923.63, 12857.93, 21.8, Sta.837
L I-5 Seg 19SB SB On Loop from Oceanside, 20
Y, 96179.19, 14024.44, 6.97, Sta.855.1
Y, 96120.07, 14112.79, 12.8, Sta.854
Y, 96111.92, 14135.63, 14.8, Sta.853.75
Y, 96121.74, 14161.38, 16.5, Sta.853.45
N, 96143.77, 14173.47, 17.5, Sta.853.18
N, 96169.23, 14171.20, 18, Sta.852.9
N, 96191.99, 14148.43, 17.9, Sta.852.55
N, 96227.76, 14105.90, 17.55, Sta.852
N, 96288.39, 14026.15, 15, Sta.851
 96344.34, 13944.39, 14.27, Sta.850

L I-5 Seg 19SB SB Off Ramp to Oceanside, 21
N, 95945.79, 14520.32, 28.77, Sta.857
N, 96002.55, 14436.78, 26.74, Sta.856
N, 96051.19, 14349.34, 23.79, Sta.855
Y, 96097.72, 14261.64, 21.1, Sta.854
Y, 96100.20, 14197.46, 18.5, Sta.853.35
Y, 96096.78, 14143.79, 15.64, Sta.852.8
Y, 96116.40, 14098.28, 12.4, Sta.852.35
96171.89, 14017.59, 7.1, Sta.851.4
L I-5 Seg 19SB Off Loop to SR78, 22
N, 97240.41, 12536.85, 13, Sta.829.75
N, 97248.6, 12471.46, 9, Sta.830.35
N, 97258.67, 12425.35, 9.5, Sta.830.8
N, 97287.52, 12402.95, 12.5, Sta.831.25
N, 97320.97, 12415.16, 16, Sta.831.65
N, 97329.36, 12456.55, 20, Sta.832.15
N, 97289.87, 12531.89, 23, Sta.833
97240.59, 12617.97, 15.2, Sta.834
L I-5 Seg 19SB On Ramp from SR78, 23
Y, 97227.23, 12532.97, 22.9, Sta.833.7
Y, 97237.69, 12455.79, 19, Sta.833
Y, 97258.9, 12405.37, 14.9, Sta.832.5
Y, 97304.49, 12389.5, 10.8, Sta.832
N, 97354.3, 12385.74, 7.7, Sta.831.5
N, 97395.03, 12361.15, 6.4, Sta.831
97449.3, 12277.8, 6.5, Sta.830
Barrier 1 Terrain Line ROW NB, 1, 2, 0, 0
97508.12, 12812.81, 20.50, 20.50, 832N
97469.07, 12788.46, 20.10, 20.10, 832.5N
97396.53, 12755.84, 23.50, 23.50, 833.3N
97390.48, 12743.98, 22.00, 22.00, 833.4N
97327.46, 12747.00, 24.00, 24.00, 834.2N
97258.47, 12764.87, 25.00, 25.00, 835N
97214.04, 12789.08, 24.50, 24.50, 835.5N
97199.4929, 12805.6581, 25.57, 25.57, 835.8N
Barrier 2 Soundwall NB , 2, 2, 0, 0
97199.4929, 12805.6581, 25.57, 27.71, 835.8N
97154.9079, 12868.0187, 26.11, 28.25, 836.55N
97139.3009, 12914.0934, 27.10, 29.24, 837N
97135.4163, 12951.6741, 28.00, 30.14, 837.4N
97123.2963, 12976.8264, 29.29, 31.43, 837.6N
Barrier 3 Soundwall NB, 3, 2, 0, 0
97102.23, 12989.42, 29.75, 31.58, 837.8N
97106.84, 12997.13, 29.10, 30.93, 837.85N
97045.41, 13061.34, 28.10, 29.93, 838.8N
97015.19, 13103.57, 28.00, 29.83, 839.25N
96992.14, 13139.60, 28.18, 30.01, 839.7N
96953.10, 13160.26, 27.47, 29.30, 840.1N
96953.10, 13160.26, 27.47, 29.30, 840.1N
96937.40, 13174.82, 27.59, 29.42, 840.3N
Barrier 4 Soundwall NB, 4, 2, 0, 0
96937.40, 13174.82, 27.59, 30.33, 840.3N
96813.93, 13356.53, 29.73, 32.47, 842.5N
96813.93, 13356.53, 29.73, 32.78, 842.5N
96792.86, 13394.74, 30.70, 33.75, 843N
96772.32, 13452.21, 32.00, 35.05, 843.5N

96759.16, 13471.96, 32.70, 35.75, 843.7N
96749.90, 13468.10, 32.95, 36.00, 843.8N
Barrier 5 Soundwall -Fence- NB ROW from California St, 5, 2, 0, 0
96760.66, 13505.4, 32.10, 33.92, 844N
96700.85, 13581.51, 32.50, 34.32, 845N
96642.09, 13661.91, 33.50, 35.32, 846N
96586.54, 13743.85, 33.50, 35.32, 847N
96527.94, 13826.28, 29.00, 30.82, 848N
96527.94, 13826.28, 29.00, 29.00, 848N
96496.56, 13872.81, 30.00, 30.00, 848.6N
Barrier 6 Terrain Line 1 NB, 6, 2, 0, 0
97082.47, 12962.86, 30.75, 30.75, 837.75NT
97139.20, 13003.99, 25.77, 25.77, 837.75NT
Barrier 7 Terrain Line 2 NB, 7, 2, 0, 0
96731.8433, 13463.12, 32.89, 32.89, 843.9NT
96803.9164, 13513.8687, 33.50, 33.50, 843.9NT
Barrier 8 Terrain Line 3 NB, 8, 2, 0, 0
96546.5783, 13800.7256, 34.00, 34.00, 847.6NT
96541.3806, 13869.2326, 34.00, 34.00, 848.2NT
Barrier 9 Terrain Line 4 NB, 9, 2, 0, 0
96496.56, 13872.81, 30.00, 30.00, 848.6NT
96548.35, 13920.41, 36.00, 36.00, 848.75NT
Barrier 10 Center Divider, 10, 2, 0, 0
97372.89, 12466.18, 9.50, 10.50, 832C
97320.41, 12551.29, 12.50, 13.50, 833C
97265.74, 12636.05, 15.50, 16.50, 834C
97209.21, 12719.03, 18.40, 19.40, 835C
97153.27, 12801.05, 20.80, 21.80, 836C
97096.34, 12883.5, 22.20, 23.20, 837C
97040.21, 12966.18, 23.30, 24.30, 838C
96983.16, 13049.79, 24.50, 25.50, 839C
96928.02, 13131.5, 25.70, 26.70, 840C
96872.52, 13213.88, 26.80, 27.80, 841C
Barrier 11 Center Divider - continued, 11, 2, 0, 0
96872.52, 13213.88, 26.80, 27.80, 841C
96816.22, 13296.34, 27.30, 28.30, 842C
96759.7, 13378.68, 26.30, 27.30, 843C
96709.9, 13451.56, 25.20, 26.20, 843.9C
96646.41, 13544.44, 25.70, 26.70, 845C
96590.37, 13627.16, 22.30, 23.30, 846C
96532.86, 13709.63, 18.70, 19.70, 847C
96477.71, 13792.36, 16.50, 17.50, 848C
96421.28, 13874.68, 14.50, 15.50, 849C
96364.45, 13957.94, 15.30, 16.30, 850C
Barrier 12 Center Divider - continued, 12, 2, 0, 0
96364.45, 13957.94, 15.30, 16.30, 850C
96308, 14040.54, 16.50, 17.50, 851C
96278.04, 14084.69, 16.50, 17.50, 851.5C
96194.56, 14205.91, 20.00, 21.00, 853C
96138.88, 14289.01, 22.40, 23.40, 854C
Barrier 13 Building NB, 13, 2, 0, 0
96566.0991, 13774.9882, 35.80, 45.80, 847.3NB
96608.1107, 13803.4048, 35.80, 45.80, 847.3NB
Barrier 14 Building NB, 14, 2, 0, 0
96546.57, 13800.72, 34.00, 34.00, 847.6NB
96541.38, 13869.23, 34.00, 34.00, 848.2NB

Barrier 15 Terrain Line road NB, 15, 2, 0, 0
97123.2963, 12976.8264, 29.29, 29.29, 837.6N
97102.23, 12989.42, 29.75, 29.75, 837.8N
Barrier 16 Terrain Line road NB, 16, 2, 0, 0
96749.90, 13468.10, 32.95, 32.95, 843.8N
96760.66, 13505.4, 32.10, 32.10, 844N
Barrier 17 Building NB, 17, 2, 0, 0
97204.47, 12827.48, 25.80, 32.80, 836NB
97215.19, 12835.74, 25.80, 32.80, 836NB
R 19.1, 1, 55, 2,
97199.68, 12844.43, 27.8, R19.1
R 19.2, 2, 55, 2,
97176.33, 12863.93, 27.5, LT19.1
R 19.3, 3, 55, 1,
97168.74, 12907.99, 29.0, R19.3
R 19.4, 4, 55, 3,
97182.54, 12924.05, 30.0, R19.4
R 19.5, 5, 55, 3,
97112.59, 13027.49, 29.86, R19.5
R 19.6, 6, 55, 3,
97077.59, 13050.29, 29.5, ST19.1
R 19.7, 7, 55, 8,
96925.44, 13217.76, 30.7, LT19.3
R 19.8, 8, 55, 4,
96862.04, 13309.12, 31.5, R19.8
R 19.9, 9, 55, 4,
96815.57, 13382.68, 31.5, ST19.3/CAL
R 19.10, 10, 55, 1,
96802.94, 13450.48, 33.5, R19.10
R 19.11, 11, 55, 1,
96807.35, 13474.65, 34.0, R19.11
R 19.12, 12, 55, 1,
96752.32, 13527.9, 34.7, R19.12
R 19.13, 13, 55, 2,
96771.86, 13548.07, 34.0, R19.13
R 19.14, 14, 55, 2,
96733.5, 13559.81, 34.6, R19.14
R 19.15, 15, 55, 7,
96671.3, 13637.84, 35.2, LT19.6
R 19.16, 16, 55, 3,
96582.72, 13761.33, 36.9, R19.16
R 19.17, 17, 55, 2,
96561.16, 13823.67, 35.5, ST19.4/CAL
R 19.18, 18, 55, 2,
96515.81, 13862.69, 35.5, R19.18
R 19.6A, 19, 55, 2,
97028.03, 13138.15, 30.9, R19.6A
D, 4.5
ALL, ALL
K, 0.
All,All
K,-5
All, 11,13

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGMENT 19 NORTH BOUND VISTA WAY (SR 78) TO OCEANSIDE NB ONLY - NO BUILD - FENCE FOR R19.16

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	0.*							832N	151.0	
2	-	0.*							832.5N	261.2	
3	-	0.*							833.3N	43.9	
4	-	0.*							833.4N	207.1	
5	-	0.*							834.2N	233.8	
6	-	0.*							835N	166.0	
7	-	0.*							835.5N	72.4	
8	-	7.*							835.8N	251.5	
9	-	7.*							836.55N	159.7	
10	-	7.*							837N	124.0	
11	-	7.*							837.4N	91.7	
12	-	6.*							837.8N	29.5	
13	-	6.*							837.85N	291.6	
14	-	6.*							838.8N	170.4	
15	-	6.*							839.25N	140.3	
16	-	6.*							839.7N	145.0	
17	-	6.*							840.1N	.0	
18	-	6.*							840.1N	70.3	
19	-	9.*							840.3N	720.8	
20	-	10.*							842.5N	1.0	
21	-	10.*							842.5N	143.2	
22	-	10.*							843N	200.2	
23	-	10.*							843.5N	77.9	
24	-	10.*							843.7N	32.9	
25	-	6.*							844N	317.6	
26	-	6.*							845N	326.7	
27	-	6.*							846N	324.8	
28	-	6.*							847N	332.1	
29	-	3.*							848N	6.0	
30	-	0.*							848N	184.2	
31	-	0.*							837.75N	230.5	
32	-	0.*							843.9NT	289.2	
33	-	0.*							847.6NT	225.3	
34	-	0.*							848.6NT	231.6	

35	-	3.*	832C	328.3
36	-	3.*	833C	331.1
37	-	3.*	834C	329.5
38	-	3.*	835C	325.9
39	-	3.*	836C	328.8
40	-	3.*	837C	327.9
41	-	3.*	838C	332.1
42	-	3.*	839C	323.4
43	-	3.*	840C	325.9
44	-	3.*	841C	327.6
45	-	3.*	842C	327.6
46	-	3.*	843C	289.6
47	-	3.*	843.9C	369.1
48	-	3.*	845C	328.0
49	-	3.*	846C	330.1
50	-	3.*	847C	326.3
51	-	3.*	848C	327.5
52	-	3.*	849C	330.8
53	-	3.*	850C	328.3
54	-	3.*	851C	175.0
55	-	3.*	851.5C	483.0
56	-	3.*	853C	328.3
57	-	33.*	847.3NB	166.4
58	-	0.*	847.6NB	225.3
59	-	0.*	837.6N	80.5
60	-	0.*	843.8N	127.4
61	-	23.*	836NB	44.4

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0 1 2 3 4 5 6 7

1

REC	REC ID	DNL	PEOPLE	LEQ(CAL)
1	R19.1	67.	500.	70.3
2	LT19.1	67.	500.	70.6
3	R19.3	67.	500.	70.1
4	R19.4	67.	500.	68.9
5	R19.5	67.	500.	69.2
6	ST19.1	67.	500.	70.2
7	LT19.3	67.	500.	73.9
8	R19.8	67.	500.	72.9
9	ST19.3	67.	500.	69.2
10	R19.10	67.	500.	68.1
11	R19.11	67.	500.	62.7
12	R19.12	67.	500.	72.3
13	R19.13	67.	500.	61.4
14	R19.14	67.	500.	70.8
15	LT19.6	67.	500.	70.8
16	R19.16	67.	500.	74.2

17 ST19.4 67. 500. 69.9
18 R19.18 67. 500. 74.8
19 R19.6A 67. 500. 71.7
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
0. 0. 0. 0. 0. 0. 0. 7. 7. 7. 7. 6. 6. 6. 6. 6. 6. 6. 9.10.10.10.10.10. 6.
6. 6. 6. 3. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
3. 3. 3. 3. 3. 3.33. 0. 0. 0.23.

Roadway Segment 19 North Bound Vista Way (SR 78) to Oceanside NB only - No Build - Added R19.5A
T RW Seg 19NB Truck, 1
0, 0, 0, 0, 0, 0
T RW Seg 19NB Truck, 2
0, 0, 0, 0, 0, 0
T RW Seg 19NB Car, 3
4961, 65, 97, 65, 342, 65
T RW Seg 19NB Car, 4
4961, 65, 97, 65, 342, 65
T RW Seg 19NB HOV, 5
3454, 65, 146, 65, 0, 0
T RW Seg 19NB HOV, 6
3454, 65, 146, 65, 0, 0
T RW Seg 19NB On Ramp from SR-78, 7
1890, 45, 54, 45, 56, 45
T RW Seg 19NB Off Loop to WB SR-78, 8
284, 25, 8, 25, 8, 25
T RW Seg 19NB Off Loop to Ocean Blvd, 9
945, 25, 27, 25, 28, 25
T RW Seg 19NB Ramp from Ocean Blvd, 10
473, 45, 14, 45, 14, 45
T RW Seg 19NB onramp from California, 11
234, 45, 4, 45, 2, 45
T RW Seg 19SB Truck, 12
0, 0, 0, 0, 0, 0
T RW Seg 19SB Truck, 13
0, 0, 0, 0, 0, 0
T RW Seg 19SB Car, 14
4961, 65, 97, 65, 342, 65
T RW Seg 19SB Car, 15
4961, 65, 97, 65, 342, 65
T RW Seg 19SB HOV, 16
3454, 65, 146, 65, 0, 0
T RW Seg 19SB HOV, 17
3454, 65, 146, 65, 0, 0
T RW Seg 19SB Onramp from Casidy, 18
340, 45, 10, 45, 10, 45
T RW Seg 19SB Off Ramp to Cassidy St, 19
189, 45, 5, 45, 6, 45
T RW Seg 19SB On Loop from Oceanside, 20
945, 25, 27, 28, 17, 25
T RW Seg 19SB Off Ramp to Oceanside, 21
558, 45, 16, 45, 17, 45
T RW Seg 19SB Off Loop to SR78, 22
1890, 45, 54, 45, 56, 45
T RW Seg 19SB On Ramp from SR78, 23
945, 45, 27, 45, 28, 45
L I-5 Seg 19NB Truck, 1
Y, 97393.18, 12478.17, 9.2, Sta.832
N, 97340.87, 12563.93, 12.5, Sta.833
N, 97285.97, 12648.77, 15.5, Sta.834
N, 97228.87, 12732.35, 18.1, Sta.835
N, 97171.94, 12813.13, 20.8, Sta.836
N, 97116.61, 12896.88, 21.9, Sta.837
N, 97059.82, 12979.59, 23, Sta.838

N, 97003.27, 13063.77, 24.3, Sta.839
N, 96945.67, 13144.06, 25.5, Sta.840
N, 96889.96, 13226.09, 26.7, Sta.841
N, 96833.55, 13308.44, 27.1, Sta.842
N, 96777.38, 13390.45, 26, Sta.843
N, 96729.03, 13463.96, 24.9, Sta.843.9
N, 96666.52, 13557.26, 23.5, Sta.845
 96609.75, 13640.16, 22.2, Sta.846
L I-5 Seg 19NB Truck- cont, 2
N, 96609.75, 13640.16, 22.2, Sta.846
N, 96553.42, 13723.71, 20.5, Sta.847
N, 96497.18, 13804.88, 18.5, Sta.848
N, 96440.43, 13888.29, 16.3, Sta.849
N, 96384.49, 13970.91, 14.2, Sta.850
N, 96327.79, 14054.12, 15, Sta.851
N, 96297.57, 14098.66, 16.3, Sta.851.5
N, 96213.89, 14220.75, 19.8, Sta.853
 96157.96, 14303.43, 22.1, Sta.854
L I-5 Seg 19NB Cars, 3
Y, 97387.2, 12474.34, 9.3, Sta.832
Y, 97334.2, 12559.7, 12.5, Sta.833
N, 97279.65, 12644.57, 15.6, Sta.834
N, 97223.24, 12728.07, 18.3, Sta.835
N, 97166.02, 12809.67, 20.8, Sta.836
N, 97110.23, 12892.47, 22.1, Sta.837
N, 97053.79, 12975.39, 23.2, Sta.838
N, 96996.79, 13059.55, 24.4, Sta.839
N, 96939.57, 13139.58, 25.6, Sta.840
N, 96884.62, 13222.73, 26.7, Sta.841
N, 96827.68, 13304.89, 27.2, Sta.842
N, 96772.18, 13387.16, 26.1, Sta.843
N, 96722.93, 13459.99, 25.1, Sta.843.9
N, 96660.55, 13553.26, 23.6, Sta.845
 96604.08, 13636.14, 22.2, Sta.846
L I-5 Seg 19NB Cars - Cont, 4
N, 96604.08, 13636.14, 22.2, Sta.846
N, 96547.11, 13719.42, 20.6, Sta.847
N, 96491.18, 13800.74, 18.6, Sta.848
N, 96434.73, 13884.82, 16.4, Sta.849
N, 96378.15, 13966.78, 14.3, Sta.850
N, 96322.2, 14050.31, 15.2, Sta.851
N, 96291.58, 14093.73, 16.4, Sta.851.5
N, 96206.71, 14215.57, 19.9, Sta.853
 96152.6, 14298.14, 22.2, Sta.854
L I-5 Seg 19NB HOV, 5
N, 97379.75, 12470.51, 9.4, Sta.832
N, 97328.11, 12555.76, 12.5, Sta.833
N, 97272.89, 12640.53, 15.5, Sta.834
N, 97216.27, 12723.46, 18.3, Sta.835
N, 97158.9, 12805.03, 20.8, Sta.836
N, 97103.93, 12888.35, 22.2, Sta.837
N, 97047.1, 12970.92, 23.3, Sta.838
N, 96990.91, 13055.18, 24.5, Sta.839
N, 96933.08, 13136.74, 25.8, Sta.840
N, 96878.81, 13218.76, 26.7, Sta.841
N, 96822.08, 13300.75, 27.2, Sta.842

N, 96765.78, 13383.32, 26.3, Sta.843
N, 96716.58, 13455.73, 25.2, Sta.843.9
N, 96653.79, 13549.22, 23.7, Sta.845
N, 96597.09, 13632.1, 22.2, Sta.846
L I-5 Seg 19NB HOV - cont, 6
N, 96597.09, 13632.1, 22.2, Sta.846
N, 96540.2, 13714.15, 20.7, Sta.847
N, 96483.66, 13796.7, 18.7, Sta.848
N, 96427.99, 13879.11, 16.4, Sta.849
N, 96371.79, 13962.23, 14.4, Sta.850
N, 96315.06, 14045.49, 15.3, Sta.851
N, 96284.94, 14090.19, 16.5, Sta.851.5
N, 96201.28, 14212.34, 20, Sta.853
96145.97, 14293.34, 22.4, Sta.854
L I-5 Seg 19NB NB On Ramp from Vista Way SR 78, 7
Y, 97469.59, 12747.05, 10, Sta.832.6
Y, 97437.55, 12731.05, 12.5, Sta.833
Y, 97390.01, 12718.36, 15.25, Sta.833.5
N, 97341.24, 12717.88, 18, Sta.834
N, 97294.51, 12728.41, 19, Sta.834.5
N, 97248.96, 12749.64, 19.38, Sta.835
N, 97213.54, 12779.73, 20, Sta.835.5
N, 97180.7, 12819.84, 20.5, Sta.836
N, 97152.07, 12860.95, 21, Sta.836.5
N, 97122.24, 12900.75, 22, Sta.837
97064.51, 12982.54, 23, Sta.838
L I-5 Seg 19NB NB Off Loop to WB SR78, 8
N, 97444.78, 12394.1, 6.2, Sta.831
N, 97398.24, 12481.76, 8.45, Sta.832
N, 97349.91, 12568.91, 11.2, Sta.833
N, 97325.86, 12612.83, 11.8, Sta.833.6
N, 97303.86, 12657.85, 11.3, Sta.834
Y, 97301.34, 12681.57, 10.8, Sta.834.3
Y, 97321.05, 12702.32, 9.8, Sta.834.6
Y, 97352.09, 12699.3, 8.5, Sta.834.9
N, 97365.51, 12670.73, 6.9, Sta.835.3
97354.41, 12644.89, 6.1, Sta.835.6
L I-5 Seg 19NB NB Off Loop to Ocean Blvd, 9
N, 96385.77, 13969.91, 14.3, Sta.850
N, 96330.51, 14054.09, 14.76, Sta.851
N, 96283.94, 14144.30, 17, Sta.852
N, 96248.35, 14221.79, 16.8, Sta.853.9
Y, 96256.83, 14246.62, 15.52, Sta.853.2
Y, 96272.32, 14259.87, 14.5, Sta.853.4
N, 96300.83, 14261.30, 12.8, Sta.853.8
Y, 96323.64, 14241.01, 11.9, Sta.854.1
96371.03, 14172.22, 8.32, Sta.854.9
L I-5 Seg 19NB NB On Ramp from Ocean Blvd, 10
Y, 96379.37, 14177.40, 8.32, Sta.851.4
Y, 96323.21, 14259.62, 12.7, Sta.852
Y, 96293.58, 14278.23, 14.6, Sta.852.5
N, 96212.64, 14298.19, 18.75, Sta.853.4
N, 96177.91, 14312.11, 20.6, Sta.854.2
N, 96145.56, 14334.01, 22.77, Sta.855
N, 96108.49, 14378.61, 24.22, Sta.856
96054.51, 14456.29, 26.2, Sta.857

L I-5 Seg 19NB NB onramp from California St, 11
N, 96755.89, 13492.34, 32.6, Sta.843.9
N, 96717.42, 13531.68, 29.4, Sta.844.5
N, 96682.25, 13567.95, 25.9, Sta.845
N, 96644.03, 13611.82, 23.2, Sta.845.5
N, 96617.21, 13644.81, 22, Sta.845.95
96558.83, 13727.05, 20.3, Sta.847
L I-5 Seg 19SB Truck, 12
N, 96511.6, 13693.4, 20.5, Sta.847
N, 96567.9, 13611.35, 22, Sta.846
N, 96625.24, 13529.63, 23.5, Sta.845
N, 96689.44, 13437.15, 24.8, Sta.844
N, 96738.45, 13365.4, 26, Sta.843
N, 96794.48, 13282.15, 26.5, Sta.842
N, 96849.05, 13198.73, 26.5, Sta.841
N, 96905.18, 13116.17, 25.4, Sta.840
N, 96961.58, 13034.99, 24.5, Sta.839
N, 97016.94, 12951.08, 23.3, Sta.838
N, 97075.03, 12869.26, 22, Sta.837
N, 97130.72, 12786.87, 20.5, Sta.836
N, 97186.1, 12703.44, 18, Sta.835
Y, 97241.86, 12621.55, 15.2, Sta.834
N, 97298.15, 12536.88, 12.3, Sta.833
97349.72, 12451.77, 9, Sta.832
L I-5 Seg 19SB Truck, cont, 13
N, 96120.73, 14276.24, 22, Sta.854
Y, 96175.07, 14193.32, 19.5, Sta.853
N, 96258.91, 14069.9, 16.3, Sta.852
N, 96288.65, 14027.9, 15.1, Sta.851
N, 96341.28, 13942.94, 14.2, Sta.850
N, 96397.61, 13860.8, 16.2, Sta.849
N, 96454.79, 13777.89, 18.4, Sta.848
96510.83, 13694.86, 20.5, Sta.847
L I-5 Seg 19SB Cars, 14
N, 96519.17, 13699.85, 20.6, Sta.847
N, 96575.32, 13615.98, 22.3, Sta.846
N, 96632.57, 13534.62, 23.6, Sta.845
N, 96696.2, 13441.82, 25, Sta.844
N, 96745.34, 13370.03, 26, Sta.843
N, 96802.3, 13287, 27.3, Sta.842
N, 96857.08, 13204.46, 26.7, Sta.841
N, 96912.18, 13121.45, 25.5, Sta.840
N, 96969.41, 13039.5, 24.3, Sta.839
N, 97024.86, 12955.75, 23.4, Sta.838
N, 97081.97, 12873.51, 22, Sta.837
N, 97137.96, 12791.81, 20.8, Sta.836
N, 97193.32, 12707.9, 18.3, Sta.835
N, 97249.44, 12626.09, 15.3, Sta.834
N, 97305.79, 12541.26, 12.4, Sta.833
97357.58, 12456.6, 9.3, Sta.832
L I-5 Seg 19SB Cars, 15
N, 96126.34, 14280.01, 22.3, Sta.854
Y, 96180.84, 14197.12, 19.9, Sta.853
N, 96265.5, 14075.01, 16.4, Sta.852
N, 96294.66, 14032.11, 15.2, Sta.851
N, 96348.21, 13948.06, 14.3, Sta.850

N, 96405, 13865.01, 16.3, Sta.849
N, 96461.4, 13782.16, 18.2, Sta.848
 96518.51, 13699.95, 20.6, Sta.847
L I-5 Seg 19SB HOV, 16
N, 96527.05, 13705.21, 20.8, Sta.847
N, 96583.32, 13622.5, 22.3, Sta.846
N, 96640.42, 13539.84, 23.7, Sta.845
N, 96703.73, 13446.98, 25.2, Sta.844
N, 96752.62, 13374.7, 26.2, Sta.843
N, 96808.88, 13291.58, 27.3, Sta.842
N, 96865.19, 13209.3, 28.8, Sta.841
N, 96920.56, 13127.37, 25.7, Sta.840
N, 96977.1, 13045.33, 24.5, Sta.839
N, 97033.3, 12961.36, 23.2, Sta.838
N, 97090.29, 12879.22, 22.2, Sta.837
N, 97145.23, 12796.07, 20.8, Sta.836
N, 97202.24, 12714.23, 18.4, Sta.835
N, 97258.23, 12631.37, 15.5, Sta.834
N, 97313.12, 12546.46, 12.4, Sta.833
N, 97366.03, 12461.85, 9.4, Sta.832
L I-5 Seg 19SB HOV, 17
N, 96131.72, 14284.35, 22.4, Sta.854
N, 96188.01, 14201.05, 20, Sta.853
N, 96271.61, 14079.71, 16.5, Sta.852
N, 96301.14, 14036.08, 15.3, Sta.851
N, 96356.68, 13952.69, 14.4, Sta.850
N, 96413.15, 13870.85, 16.5, Sta.849
N, 96469.42, 13788.27, 18.7, Sta.848
 96526.75, 13705.38, 20.8, Sta.847
L I-5 Seg 19SB SB Onramp from Casidy St, 18
N, 96928.2, 12852.16, 21.8, Sta.838.5
N, 96952.98, 12865.88, 22.5, Sta.838.15
Y, 97023.72, 12868.25, 23.85, Sta.837.4
N, 97064.05, 12857.95, 22, Sta.837
Y, 97123.11, 12781.84, 23.5, Sta.836
Y, 97180.45, 12699.61, 20, Sta.835
 97237.25, 12618.76, 15.25, Sta.834
L I-5 Seg 19SB SB Off Ramp to Cassidy St, 19
N, 96849.05, 13198.73, 26, Sta.841
N, 96873.2, 13158.62, 25.5, Sta.840.5
N, 96933.34, 13053.32, 24.25, Sta.839.15
N, 96964.56, 12991, 24.1, Sta.838.6
N, 96969.11, 12937.77, 23.8, Sta.838.5
N, 96954.51, 12890.65, 23, Sta.837.6
 96923.63, 12857.93, 21.8, Sta.837
L I-5 Seg 19SB SB On Loop from Oceanside, 20
Y, 96179.19, 14024.44, 6.97, Sta.855.1
Y, 96120.07, 14112.79, 12.8, Sta.854
Y, 96111.92, 14135.63, 14.8, Sta.853.75
Y, 96121.74, 14161.38, 16.5, Sta.853.45
N, 96143.77, 14173.47, 17.5, Sta.853.18
N, 96169.23, 14171.20, 18, Sta.852.9
N, 96191.99, 14148.43, 17.9, Sta.852.55
N, 96227.76, 14105.90, 17.55, Sta.852
N, 96288.39, 14026.15, 15, Sta.851
 96344.34, 13944.39, 14.27, Sta.850

L I-5 Seg 19SB SB Off Ramp to Oceanside, 21
N, 95945.79, 14520.32, 28.77, Sta.857
N, 96002.55, 14436.78, 26.74, Sta.856
N, 96051.19, 14349.34, 23.79, Sta.855
Y, 96097.72, 14261.64, 21.1, Sta.854
Y, 96100.20, 14197.46, 18.5, Sta.853.35
Y, 96096.78, 14143.79, 15.64, Sta.852.8
Y, 96116.40, 14098.28, 12.4, Sta.852.35
96171.89, 14017.59, 7.1, Sta.851.4
L I-5 Seg 19SB Off Loop to SR78, 22
N, 97240.41, 12536.85, 13, Sta.829.75
N, 97248.6, 12471.46, 9, Sta.830.35
N, 97258.67, 12425.35, 9.5, Sta.830.8
N, 97287.52, 12402.95, 12.5, Sta.831.25
N, 97320.97, 12415.16, 16, Sta.831.65
N, 97329.36, 12456.55, 20, Sta.832.15
N, 97289.87, 12531.89, 23, Sta.833
97240.59, 12617.97, 15.2, Sta.834
L I-5 Seg 19SB On Ramp from SR78, 23
Y, 97227.23, 12532.97, 22.9, Sta.833.7
Y, 97237.69, 12455.79, 19, Sta.833
Y, 97258.9, 12405.37, 14.9, Sta.832.5
Y, 97304.49, 12389.5, 10.8, Sta.832
N, 97354.3, 12385.74, 7.7, Sta.831.5
N, 97395.03, 12361.15, 6.4, Sta.831
97449.3, 12277.8, 6.5, Sta.830
Barrier 1 Terrain Line ROW NB, 1, 2, 0, 0
97508.12, 12812.81, 20.50, 20.50, 832N
97469.07, 12788.46, 20.10, 20.10, 832.5N
97396.53, 12755.84, 23.50, 23.50, 833.3N
97390.48, 12743.98, 22.00, 22.00, 833.4N
97327.46, 12747.00, 24.00, 24.00, 834.2N
97258.47, 12764.87, 25.00, 25.00, 835N
97214.04, 12789.08, 24.50, 24.50, 835.5N
97199.4929, 12805.6581, 25.57, 25.57, 835.8N
Barrier 2 Soundwall NB , 2, 2, 0, 0
97199.4929, 12805.6581, 25.57, 27.71, 835.8N
97154.9079, 12868.0187, 26.11, 28.25, 836.55N
97139.3009, 12914.0934, 27.10, 29.24, 837N
97135.4163, 12951.6741, 28.00, 30.14, 837.4N
97123.2963, 12976.8264, 29.29, 31.43, 837.6N
Barrier 3 Soundwall NB, 3, 2, 0, 0
97102.23, 12989.42, 29.75, 31.58, 837.8N
97106.84, 12997.13, 29.10, 30.93, 837.85N
97045.41, 13061.34, 28.10, 29.93, 838.8N
97015.19, 13103.57, 28.00, 29.83, 839.25N
96992.14, 13139.60, 28.18, 30.01, 839.7N
96953.10, 13160.26, 27.47, 29.30, 840.1N
96953.10, 13160.26, 27.47, 29.30, 840.1N
96937.40, 13174.82, 27.59, 29.42, 840.3N
Barrier 4 Soundwall NB, 4, 2, 0, 0
96937.40, 13174.82, 27.59, 30.33, 840.3N
96813.93, 13356.53, 29.73, 32.47, 842.5N
96813.93, 13356.53, 29.73, 32.78, 842.5N
96792.86, 13394.74, 30.70, 33.75, 843N
96772.32, 13452.21, 32.00, 35.05, 843.5N

96759.16, 13471.96, 32.70, 35.75, 843.7N
96749.90, 13468.10, 32.95, 36.00, 843.8N
Barrier 5 Soundwall -Fence- NB ROW from California St, 5, 2, 0, 0
96760.66, 13505.4, 32.10, 33.92, 844N
96700.85, 13581.51, 32.50, 34.32, 845N
96642.09, 13661.91, 33.50, 35.32, 846N
96642.09, 13661.91, 33.50, 33.50, 846N
96586.54, 13743.85, 33.50, 33.50, 847N
96527.94, 13826.28, 29.00, 29.00, 848N
96496.56, 13872.81, 30.00, 30.00, 848.6N
Barrier 6 Terrain Line 1 NB, 6, 2, 0, 0
97082.47, 12962.86, 30.75, 30.75, 837.75NT
97139.20, 13003.99, 25.77, 25.77, 837.75NT
Barrier 7 Terrain Line 2 NB, 7, 2, 0, 0
96731.8433, 13463.12, 32.89, 32.89, 843.9NT
96803.9164, 13513.8687, 33.50, 33.50, 843.9NT
Barrier 8 Terrain Line 3 NB, 8, 2, 0, 0
96546.5783, 13800.7256, 34.00, 34.00, 847.6NT
96541.3806, 13869.2326, 34.00, 34.00, 848.2NT
Barrier 9 Terrain Line 4 NB, 9, 2, 0, 0
96496.56, 13872.81, 30.00, 30.00, 848.6NT
96548.35, 13920.41, 36.00, 36.00, 848.75NT
Barrier 10 Center Divider, 10, 2, 0, 0
97372.89, 12466.18, 9.50, 10.50, 832C
97320.41, 12551.29, 12.50, 13.50, 833C
97265.74, 12636.05, 15.50, 16.50, 834C
97209.21, 12719.03, 18.40, 19.40, 835C
97153.27, 12801.05, 20.80, 21.80, 836C
97096.34, 12883.5, 22.20, 23.20, 837C
97040.21, 12966.18, 23.30, 24.30, 838C
96983.16, 13049.79, 24.50, 25.50, 839C
96928.02, 13131.5, 25.70, 26.70, 840C
96872.52, 13213.88, 26.80, 27.80, 841C
Barrier 11 Center Divider - continued, 11, 2, 0, 0
96872.52, 13213.88, 26.80, 27.80, 841C
96816.22, 13296.34, 27.30, 28.30, 842C
96759.7, 13378.68, 26.30, 27.30, 843C
96709.9, 13451.56, 25.20, 26.20, 843.9C
96646.41, 13544.44, 25.70, 26.70, 845C
96590.37, 13627.16, 22.30, 23.30, 846C
96532.86, 13709.63, 18.70, 19.70, 847C
96477.71, 13792.36, 16.50, 17.50, 848C
96421.28, 13874.68, 14.50, 15.50, 849C
96364.45, 13957.94, 15.30, 16.30, 850C
Barrier 12 Center Divider - continued, 12, 2, 0, 0
96364.45, 13957.94, 15.30, 16.30, 850C
96308, 14040.54, 16.50, 17.50, 851C
96278.04, 14084.69, 16.50, 17.50, 851.5C
96194.56, 14205.91, 20.00, 21.00, 853C
96138.88, 14289.01, 22.40, 23.40, 854C
Barrier 13 Building NB, 13, 2, 0, 0
96566.0991, 13774.9882, 35.80, 45.80, 847.3NB
96608.1107, 13803.4048, 35.80, 45.80, 847.3NB
Barrier 14 Building NB, 14, 2, 0, 0
96546.57, 13800.72, 34.00, 34.00, 847.6NB
96541.38, 13869.23, 34.00, 34.00, 848.2NB

Barrier 15 Terrain Line road NB, 15, 2, 0, 0
97123.2963, 12976.8264, 29.29, 29.29, 837.6N
97102.23, 12989.42, 29.75, 29.75, 837.8N
Barrier 16 Terrain Line road NB, 16, 2, 0, 0
96749.90, 13468.10, 32.95, 32.95, 843.8N
96760.66, 13505.4, 32.10, 32.10, 844N
Barrier 17 Building NB, 17, 2, 0, 0
97204.47, 12827.48, 25.80, 32.80, 836NB
97215.19, 12835.74, 25.80, 32.80, 836NB
R 19.1, 1, 55, 2,
97199.68, 12844.43, 27.8, R19.1
R 19.2, 2, 55, 2,
97176.33, 12863.93, 27.5, LT19.1
R 19.3, 3, 55, 1,
97168.74, 12907.99, 29.0, R19.3
R 19.4, 4, 55, 3,
97182.54, 12924.05, 30.0, R19.4
R 19.5, 5, 55, 3,
97112.59, 13027.49, 29.86, R19.5
R 19.6, 6, 55, 3,
97077.59, 13050.29, 29.5, ST19.1
R 19.7, 7, 55, 8,
96925.44, 13217.76, 30.7, LT19.3
R 19.8, 8, 55, 4,
96862.04, 13309.12, 31.5, R19.8
R 19.9, 9, 55, 4,
96815.57, 13382.68, 31.5, ST19.3/CAL
R 19.10, 10, 55, 1,
96802.94, 13450.48, 33.5, R19.10
R 19.11, 11, 55, 1,
96807.35, 13474.65, 34.0, R19.11
R 19.12, 12, 55, 1,
96752.32, 13527.9, 34.7, R19.12
R 19.13, 13, 55, 2,
96771.86, 13548.07, 34.0, R19.13
R 19.14, 14, 55, 2,
96733.5, 13559.81, 34.6, R19.14
R 19.15, 15, 55, 7,
96671.3, 13637.84, 35.2, LT19.6
R 19.16, 16, 55, 3,
96582.72, 13761.33, 36.9, R19.16
R 19.17, 17, 55, 2,
96561.16, 13823.67, 35.5, ST19.4/CAL
R 19.18, 18, 55, 2,
96515.81, 13862.69, 35.5, R19.18
R 19.6A, 19, 55, 2,
97028.03, 13138.15, 30.9, R19.6A
R 19.5A, 20, 55, 2,
97107.21, 13070.93, 28.56, R19.5A
D, 4.5
ALL, ALL
K, 0.
All,All
K,-5
All, 11,13,20

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGMENT 19 NORTH BOUND VISTA WAY (SR 78) TO OCEANSIDE NB ONLY - NO BUILD - ADDED R19.5A

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	0.*							832N	151.0	
2	-	0.*							832.5N	261.2	
3	-	0.*							833.3N	43.9	
4	-	0.*							833.4N	207.1	
5	-	0.*							834.2N	233.8	
6	-	0.*							835N	166.0	
7	-	0.*							835.5N	72.4	
8	-	7.*							835.8N	251.5	
9	-	7.*							836.55N	159.7	
10	-	7.*							837N	124.0	
11	-	7.*							837.4N	91.7	
12	-	6.*							837.8N	29.5	
13	-	6.*							837.85N	291.6	
14	-	6.*							838.8N	170.4	
15	-	6.*							839.25N	140.3	
16	-	6.*							839.7N	145.0	
17	-	6.*							840.1N	.0	
18	-	6.*							840.1N	70.3	
19	-	9.*							840.3N	720.8	
20	-	10.*							842.5N	1.0	
21	-	10.*							842.5N	143.2	
22	-	10.*							843N	200.2	
23	-	10.*							843.5N	77.9	
24	-	10.*							843.7N	32.9	
25	-	6.*							844N	317.6	
26	-	6.*							845N	326.7	
27	-	3.*							846N	6.0	
28	-	0.*							846N	324.8	
29	-	0.*							847N	332.1	
30	-	0.*							848N	184.2	
31	-	0.*							837.75N	230.5	
32	-	0.*							843.9NT	289.2	
33	-	0.*							847.6NT	225.3	
34	-	0.*							848.6NT	231.6	

35	-	3.*	832C	328.3
36	-	3.*	833C	331.1
37	-	3.*	834C	329.5
38	-	3.*	835C	325.9
39	-	3.*	836C	328.8
40	-	3.*	837C	327.9
41	-	3.*	838C	332.1
42	-	3.*	839C	323.4
43	-	3.*	840C	325.9
44	-	3.*	841C	327.6
45	-	3.*	842C	327.6
46	-	3.*	843C	289.6
47	-	3.*	843.9C	369.1
48	-	3.*	845C	328.0
49	-	3.*	846C	330.1
50	-	3.*	847C	326.3
51	-	3.*	848C	327.5
52	-	3.*	849C	330.8
53	-	3.*	850C	328.3
54	-	3.*	851C	175.0
55	-	3.*	851.5C	483.0
56	-	3.*	853C	328.3
57	-	33.*	847.3NB	166.4
58	-	0.*	847.6NB	225.3
59	-	0.*	837.6N	80.5
60	-	0.*	843.8N	127.4
61	-	23.*	836NB	44.4

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0 1 2 3 4 5 6 7

1

REC	REC ID	DNL	PEOPLE	LEQ(CAL)
1	R19.1	67.	500.	70.3
2	LT19.1	67.	500.	70.6
3	R19.3	67.	500.	70.1
4	R19.4	67.	500.	68.9
5	R19.5	67.	500.	69.2
6	ST19.1	67.	500.	70.2
7	LT19.3	67.	500.	73.9
8	R19.8	67.	500.	72.9
9	ST19.3	67.	500.	69.2
10	R19.10	67.	500.	68.1
11	R19.11	67.	500.	62.7
12	R19.12	67.	500.	72.3
13	R19.13	67.	500.	61.5
14	R19.14	67.	500.	70.8
15	LT19.6	67.	500.	70.9
16	R19.16	67.	500.	74.9

17 ST19.4 67. 500. 70.6
18 R19.18 67. 500. 74.8
19 R19.6A 67. 500. 71.7
20 R19.5A 67. 500. 61.8
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
0. 0. 0. 0. 0. 0. 0. 7. 7. 7. 7. 6. 6. 6. 6. 6. 6. 6. 9.10.10.10.10.10. 6.
6. 3. 0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
3. 3. 3. 3. 3. 3.33. 0. 0. 0.23.

Roadway Segment 19 North Bound Vista Way (SR 78) to Oceanside NB only - No Build - R19.1A
T RW Seg 19NB Truck, 1
0, 0, 0, 0, 0, 0
T RW Seg 19NB Truck, 2
0, 0, 0, 0, 0, 0
T RW Seg 19NB Car, 3
4961, 65, 97, 65, 342, 65
T RW Seg 19NB Car, 4
4961, 65, 97, 65, 342, 65
T RW Seg 19NB HOV, 5
3454, 65, 146, 65, 0, 0
T RW Seg 19NB HOV, 6
3454, 65, 146, 65, 0, 0
T RW Seg 19NB On Ramp from SR-78, 7
1890, 45, 54, 45, 56, 45
T RW Seg 19NB Off Loop to WB SR-78, 8
284, 25, 8, 25, 8, 25
T RW Seg 19NB Off Loop to Ocean Blvd, 9
945, 25, 27, 25, 28, 25
T RW Seg 19NB Ramp from Ocean Blvd, 10
473, 45, 14, 45, 14, 45
T RW Seg 19NB onramp from California, 11
234, 45, 4, 45, 2, 45
T RW Seg 19SB Truck, 12
0, 0, 0, 0, 0, 0
T RW Seg 19SB Truck, 13
0, 0, 0, 0, 0, 0
T RW Seg 19SB Car, 14
4961, 65, 97, 65, 342, 65
T RW Seg 19SB Car, 15
4961, 65, 97, 65, 342, 65
T RW Seg 19SB HOV, 16
3454, 65, 146, 65, 0, 0
T RW Seg 19SB HOV, 17
3454, 65, 146, 65, 0, 0
T RW Seg 19SB Onramp from Casidy, 18
340, 45, 10, 45, 10, 45
T RW Seg 19SB Off Ramp to Cassidy St, 19
189, 45, 5, 45, 6, 45
T RW Seg 19SB On Loop from Oceanside, 20
945, 25, 27, 28, 17, 25
T RW Seg 19SB Off Ramp to Oceanside, 21
558, 45, 16, 45, 17, 45
T RW Seg 19SB Off Loop to SR78, 22
1890, 45, 54, 45, 56, 45
T RW Seg 19SB On Ramp from SR78, 23
945, 45, 27, 45, 28, 45
L I-5 Seg 19NB Truck, 1
Y, 97393.18, 12478.17, 9.2, Sta.832
N, 97340.87, 12563.93, 12.5, Sta.833
N, 97285.97, 12648.77, 15.5, Sta.834
N, 97228.87, 12732.35, 18.1, Sta.835
N, 97171.94, 12813.13, 20.8, Sta.836
N, 97116.61, 12896.88, 21.9, Sta.837
N, 97059.82, 12979.59, 23, Sta.838
N, 97003.27, 13063.77, 24.3, Sta.839

N, 96945.67, 13144.06, 25.5, Sta.840
N, 96889.96, 13226.09, 26.7, Sta.841
N, 96833.55, 13308.44, 27.1, Sta.842
N, 96777.38, 13390.45, 26, Sta.843
N, 96729.03, 13463.96, 24.9, Sta.843.9
N, 96666.52, 13557.26, 23.5, Sta.845
 96609.75, 13640.16, 22.2, Sta.846
L I-5 Seg 19NB Truck- cont, 2
N, 96609.75, 13640.16, 22.2, Sta.846
N, 96553.42, 13723.71, 20.5, Sta.847
N, 96497.18, 13804.88, 18.5, Sta.848
N, 96440.43, 13888.29, 16.3, Sta.849
N, 96384.49, 13970.91, 14.2, Sta.850
N, 96327.79, 14054.12, 15, Sta.851
N, 96297.57, 14098.66, 16.3, Sta.851.5
N, 96213.89, 14220.75, 19.8, Sta.853
 96157.96, 14303.43, 22.1, Sta.854
L I-5 Seg 19NB Cars, 3
Y, 97387.2, 12474.34, 9.3, Sta.832
Y, 97334.2, 12559.7, 12.5, Sta.833
N, 97279.65, 12644.57, 15.6, Sta.834
N, 97223.24, 12728.07, 18.3, Sta.835
N, 97166.02, 12809.67, 20.8, Sta.836
N, 97110.23, 12892.47, 22.1, Sta.837
N, 97053.79, 12975.39, 23.2, Sta.838
N, 96996.79, 13059.55, 24.4, Sta.839
N, 96939.57, 13139.58, 25.6, Sta.840
N, 96884.62, 13222.73, 26.7, Sta.841
N, 96827.68, 13304.89, 27.2, Sta.842
N, 96772.18, 13387.16, 26.1, Sta.843
N, 96722.93, 13459.99, 25.1, Sta.843.9
N, 96660.55, 13553.26, 23.6, Sta.845
 96604.08, 13636.14, 22.2, Sta.846
L I-5 Seg 19NB Cars - Cont, 4
N, 96604.08, 13636.14, 22.2, Sta.846
N, 96547.11, 13719.42, 20.6, Sta.847
N, 96491.18, 13800.74, 18.6, Sta.848
N, 96434.73, 13884.82, 16.4, Sta.849
N, 96378.15, 13966.78, 14.3, Sta.850
N, 96322.2, 14050.31, 15.2, Sta.851
N, 96291.58, 14093.73, 16.4, Sta.851.5
N, 96206.71, 14215.57, 19.9, Sta.853
 96152.6, 14298.14, 22.2, Sta.854
L I-5 Seg 19NB HOV, 5
N, 97379.75, 12470.51, 9.4, Sta.832
N, 97328.11, 12555.76, 12.5, Sta.833
N, 97272.89, 12640.53, 15.5, Sta.834
N, 97216.27, 12723.46, 18.3, Sta.835
N, 97158.9, 12805.03, 20.8, Sta.836
N, 97103.93, 12888.35, 22.2, Sta.837
N, 97047.1, 12970.92, 23.3, Sta.838
N, 96990.91, 13055.18, 24.5, Sta.839
N, 96933.08, 13136.74, 25.8, Sta.840
N, 96878.81, 13218.76, 26.7, Sta.841
N, 96822.08, 13300.75, 27.2, Sta.842
N, 96765.78, 13383.32, 26.3, Sta.843

N, 96716.58, 13455.73, 25.2, Sta.843.9
N, 96653.79, 13549.22, 23.7, Sta.845
N, 96597.09, 13632.1, 22.2, Sta.846
L I-5 Seg 19NB HOV - cont, 6
N, 96597.09, 13632.1, 22.2, Sta.846
N, 96540.2, 13714.15, 20.7, Sta.847
N, 96483.66, 13796.7, 18.7, Sta.848
N, 96427.99, 13879.11, 16.4, Sta.849
N, 96371.79, 13962.23, 14.4, Sta.850
N, 96315.06, 14045.49, 15.3, Sta.851
N, 96284.94, 14090.19, 16.5, Sta.851.5
N, 96201.28, 14212.34, 20, Sta.853
96145.97, 14293.34, 22.4, Sta.854
L I-5 Seg 19NB NB On Ramp from Vista Way SR 78, 7
Y, 97469.59, 12747.05, 10, Sta.832.6
Y, 97437.55, 12731.05, 12.5, Sta.833
Y, 97390.01, 12718.36, 15.25, Sta.833.5
N, 97341.24, 12717.88, 18, Sta.834
N, 97294.51, 12728.41, 19, Sta.834.5
N, 97248.96, 12749.64, 19.38, Sta.835
N, 97213.54, 12779.73, 20, Sta.835.5
N, 97180.7, 12819.84, 20.5, Sta.836
N, 97152.07, 12860.95, 21, Sta.836.5
N, 97122.24, 12900.75, 22, Sta.837
97064.51, 12982.54, 23, Sta.838
L I-5 Seg 19NB NB Off Loop to WB SR78, 8
N, 97444.78, 12394.1, 6.2, Sta.831
N, 97398.24, 12481.76, 8.45, Sta.832
N, 97349.91, 12568.91, 11.2, Sta.833
N, 97325.86, 12612.83, 11.8, Sta.833.6
N, 97303.86, 12657.85, 11.3, Sta.834
Y, 97301.34, 12681.57, 10.8, Sta.834.3
Y, 97321.05, 12702.32, 9.8, Sta.834.6
Y, 97352.09, 12699.3, 8.5, Sta.834.9
N, 97365.51, 12670.73, 6.9, Sta.835.3
97354.41, 12644.89, 6.1, Sta.835.6
L I-5 Seg 19NB NB Off Loop to Ocean Blvd, 9
N, 96385.77, 13969.91, 14.3, Sta.850
N, 96330.51, 14054.09, 14.76, Sta.851
N, 96283.94, 14144.30, 17, Sta.852
N, 96248.35, 14221.79, 16.8, Sta.853.9
Y, 96256.83, 14246.62, 15.52, Sta.853.2
Y, 96272.32, 14259.87, 14.5, Sta.853.4
N, 96300.83, 14261.30, 12.8, Sta.853.8
Y, 96323.64, 14241.01, 11.9, Sta.854.1
96371.03, 14172.22, 8.32, Sta.854.9
L I-5 Seg 19NB NB On Ramp from Ocean Blvd, 10
Y, 96379.37, 14177.40, 8.32, Sta.851.4
Y, 96323.21, 14259.62, 12.7, Sta.852
Y, 96293.58, 14278.23, 14.6, Sta.852.5
N, 96212.64, 14298.19, 18.75, Sta.853.4
N, 96177.91, 14312.11, 20.6, Sta.854.2
N, 96145.56, 14334.01, 22.77, Sta.855
N, 96108.49, 14378.61, 24.22, Sta.856
96054.51, 14456.29, 26.2, Sta.857
L I-5 Seg 19NB NB onramp from California St, 11

N, 96755.89, 13492.34, 32.6, Sta.843.9
N, 96717.42, 13531.68, 29.4, Sta.844.5
N, 96682.25, 13567.95, 25.9, Sta.845
N, 96644.03, 13611.82, 23.2, Sta.845.5
N, 96617.21, 13644.81, 22, Sta.845.95
96558.83, 13727.05, 20.3, Sta.847
L I-5 Seg 19SB Truck, 12
N, 96511.6, 13693.4, 20.5, Sta.847
N, 96567.9, 13611.35, 22, Sta.846
N, 96625.24, 13529.63, 23.5, Sta.845
N, 96689.44, 13437.15, 24.8, Sta.844
N, 96738.45, 13365.4, 26, Sta.843
N, 96794.48, 13282.15, 26.5, Sta.842
N, 96849.05, 13198.73, 26.5, Sta.841
N, 96905.18, 13116.17, 25.4, Sta.840
N, 96961.58, 13034.99, 24.5, Sta.839
N, 97016.94, 12951.08, 23.3, Sta.838
N, 97075.03, 12869.26, 22, Sta.837
N, 97130.72, 12786.87, 20.5, Sta.836
N, 97186.1, 12703.44, 18, Sta.835
Y, 97241.86, 12621.55, 15.2, Sta.834
N, 97298.15, 12536.88, 12.3, Sta.833
97349.72, 12451.77, 9, Sta.832
L I-5 Seg 19SB Truck, cont, 13
N, 96120.73, 14276.24, 22, Sta.854
Y, 96175.07, 14193.32, 19.5, Sta.853
N, 96258.91, 14069.9, 16.3, Sta.852
N, 96288.65, 14027.9, 15.1, Sta.851
N, 96341.28, 13942.94, 14.2, Sta.850
N, 96397.61, 13860.8, 16.2, Sta.849
N, 96454.79, 13777.89, 18.4, Sta.848
96510.83, 13694.86, 20.5, Sta.847
L I-5 Seg 19SB Cars, 14
N, 96519.17, 13699.85, 20.6, Sta.847
N, 96575.32, 13615.98, 22.3, Sta.846
N, 96632.57, 13534.62, 23.6, Sta.845
N, 96696.2, 13441.82, 25, Sta.844
N, 96745.34, 13370.03, 26, Sta.843
N, 96802.3, 13287, 27.3, Sta.842
N, 96857.08, 13204.46, 26.7, Sta.841
N, 96912.18, 13121.45, 25.5, Sta.840
N, 96969.41, 13039.5, 24.3, Sta.839
N, 97024.86, 12955.75, 23.4, Sta.838
N, 97081.97, 12873.51, 22, Sta.837
N, 97137.96, 12791.81, 20.8, Sta.836
N, 97193.32, 12707.9, 18.3, Sta.835
N, 97249.44, 12626.09, 15.3, Sta.834
N, 97305.79, 12541.26, 12.4, Sta.833
97357.58, 12456.6, 9.3, Sta.832
L I-5 Seg 19SB Cars, 15
N, 96126.34, 14280.01, 22.3, Sta.854
Y, 96180.84, 14197.12, 19.9, Sta.853
N, 96265.5, 14075.01, 16.4, Sta.852
N, 96294.66, 14032.11, 15.2, Sta.851
N, 96348.21, 13948.06, 14.3, Sta.850
N, 96405, 13865.01, 16.3, Sta.849

N, 96461.4, 13782.16, 18.2, Sta.848
 96518.51, 13699.95, 20.6, Sta.847
L I-5 Seg 19SB HOV, 16
N, 96527.05, 13705.21, 20.8, Sta.847
N, 96583.32, 13622.5, 22.3, Sta.846
N, 96640.42, 13539.84, 23.7, Sta.845
N, 96703.73, 13446.98, 25.2, Sta.844
N, 96752.62, 13374.7, 26.2, Sta.843
N, 96808.88, 13291.58, 27.3, Sta.842
N, 96865.19, 13209.3, 28.8, Sta.841
N, 96920.56, 13127.37, 25.7, Sta.840
N, 96977.1, 13045.33, 24.5, Sta.839
N, 97033.3, 12961.36, 23.2, Sta.838
N, 97090.29, 12879.22, 22.2, Sta.837
N, 97145.23, 12796.07, 20.8, Sta.836
N, 97202.24, 12714.23, 18.4, Sta.835
N, 97258.23, 12631.37, 15.5, Sta.834
N, 97313.12, 12546.46, 12.4, Sta.833
N, 97366.03, 12461.85, 9.4, Sta.832
L I-5 Seg 19SB HOV, 17
N, 96131.72, 14284.35, 22.4, Sta.854
N, 96188.01, 14201.05, 20, Sta.853
N, 96271.61, 14079.71, 16.5, Sta.852
N, 96301.14, 14036.08, 15.3, Sta.851
N, 96356.68, 13952.69, 14.4, Sta.850
N, 96413.15, 13870.85, 16.5, Sta.849
N, 96469.42, 13788.27, 18.7, Sta.848
 96526.75, 13705.38, 20.8, Sta.847
L I-5 Seg 19SB SB Onramp from Casidy St, 18
N, 96928.2, 12852.16, 21.8, Sta.838.5
N, 96952.98, 12865.88, 22.5, Sta.838.15
Y, 97023.72, 12868.25, 23.85, Sta.837.4
N, 97064.05, 12857.95, 22, Sta.837
Y, 97123.11, 12781.84, 23.5, Sta.836
Y, 97180.45, 12699.61, 20, Sta.835
 97237.25, 12618.76, 15.25, Sta.834
L I-5 Seg 19SB SB Off Ramp to Cassidy St, 19
N, 96849.05, 13198.73, 26, Sta.841
N, 96873.2, 13158.62, 25.5, Sta.840.5
N, 96933.34, 13053.32, 24.25, Sta.839.15
N, 96964.56, 12991, 24.1, Sta.838.6
N, 96969.11, 12937.77, 23.8, Sta.838.5
N, 96954.51, 12890.65, 23, Sta.837.6
 96923.63, 12857.93, 21.8, Sta.837
L I-5 Seg 19SB SB On Loop from Oceanside, 20
Y, 96179.19, 14024.44, 6.97, Sta.855.1
Y, 96120.07, 14112.79, 12.8, Sta.854
Y, 96111.92, 14135.63, 14.8, Sta.853.75
Y, 96121.74, 14161.38, 16.5, Sta.853.45
N, 96143.77, 14173.47, 17.5, Sta.853.18
N, 96169.23, 14171.20, 18, Sta.852.9
N, 96191.99, 14148.43, 17.9, Sta.852.55
N, 96227.76, 14105.90, 17.55, Sta.852
N, 96288.39, 14026.15, 15, Sta.851
 96344.34, 13944.39, 14.27, Sta.850
L I-5 Seg 19SB SB Off Ramp to Oceanside, 21

N, 95945.79, 14520.32, 28.77, Sta.857
N, 96002.55, 14436.78, 26.74, Sta.856
N, 96051.19, 14349.34, 23.79, Sta.855
Y, 96097.72, 14261.64, 21.1, Sta.854
Y, 96100.20, 14197.46, 18.5, Sta.853.35
Y, 96096.78, 14143.79, 15.64, Sta.852.8
Y, 96116.40, 14098.28, 12.4, Sta.852.35
 96171.89, 14017.59, 7.1, Sta.851.4
L I-5 Seg 19SB Off Loop to SR78, 22
N, 97240.41, 12536.85, 13, Sta.829.75
N, 97248.6, 12471.46, 9, Sta.830.35
N, 97258.67, 12425.35, 9.5, Sta.830.8
N, 97287.52, 12402.95, 12.5, Sta.831.25
N, 97320.97, 12415.16, 16, Sta.831.65
N, 97329.36, 12456.55, 20, Sta.832.15
N, 97289.87, 12531.89, 23, Sta.833
 97240.59, 12617.97, 15.2, Sta.834
L I-5 Seg 19SB On Ramp from SR78, 23
Y, 97227.23, 12532.97, 22.9, Sta.833.7
Y, 97237.69, 12455.79, 19, Sta.833
Y, 97258.9, 12405.37, 14.9, Sta.832.5
Y, 97304.49, 12389.5, 10.8, Sta.832
N, 97354.3, 12385.74, 7.7, Sta.831.5
N, 97395.03, 12361.15, 6.4, Sta.831
 97449.3, 12277.8, 6.5, Sta.830
Barrier 1 Terrain Line ROW NB, 1, 2, 0, 0
97508.12, 12812.81, 20.50, 20.50, 832N
97469.07, 12788.46, 20.10, 20.10, 832.5N
97396.53, 12755.84, 23.50, 23.50, 833.3N
97390.48, 12743.98, 22.00, 22.00, 833.4N
97327.46, 12747.00, 24.00, 24.00, 834.2N
97258.47, 12764.87, 25.00, 25.00, 835N
97214.04, 12789.08, 24.50, 24.50, 835.5N
97199.4929, 12805.6581, 25.57, 25.57, 835.8N
Barrier 2 Soundwall NB , 2, 2, 0, 0
97199.4929, 12805.6581, 25.57, 27.71, 835.8N
97154.9079, 12868.0187, 26.11, 28.25, 836.55N
97139.3009, 12914.0934, 27.10, 29.24, 837N
97135.4163, 12951.6741, 28.00, 30.14, 837.4N
97123.2963, 12976.8264, 29.29, 31.43, 837.6N
Barrier 3 Soundwall NB, 3, 2, 0, 0
97102.23, 12989.42, 29.75, 31.58, 837.8N
97106.84, 12997.13, 29.10, 30.93, 837.85N
97045.41, 13061.34, 28.10, 29.93, 838.8N
97015.19, 13103.57, 28.00, 29.83, 839.25N
96992.14, 13139.60, 28.18, 30.01, 839.7N
96953.10, 13160.26, 27.47, 29.30, 840.1N
96953.10, 13160.26, 27.47, 29.30, 840.1N
96937.40, 13174.82, 27.59, 29.42, 840.3N
Barrier 4 Soundwall NB, 4, 2, 0, 0
96937.40, 13174.82, 27.59, 30.33, 840.3N
96813.93, 13356.53, 29.73, 32.47, 842.5N
96813.93, 13356.53, 29.73, 32.78, 842.5N
96792.86, 13394.74, 30.70, 33.75, 843N
96772.32, 13452.21, 32.00, 35.05, 843.5N
96759.16, 13471.96, 32.70, 35.75, 843.7N

96749.90, 13468.10, 32.95, 36.00, 843.8N
Barrier 5 Soundwall -Fence- NB ROW from California St, 5, 2, 0, 0
96760.66, 13505.4, 32.10, 33.92, 844N
96700.85, 13581.51, 32.50, 34.32, 845N
96642.09, 13661.91, 33.50, 35.32, 846N
96642.09, 13661.91, 33.50, 33.50, 846N
96586.54, 13743.85, 33.50, 33.50, 847N
96527.94, 13826.28, 29.00, 29.00, 848N
96496.56, 13872.81, 30.00, 30.00, 848.6N
Barrier 6 Terrain Line 1 NB, 6, 2, 0, 0
97082.47, 12962.86, 30.75, 30.75, 837.75NT
97139.20, 13003.99, 25.77, 25.77, 837.75NT
Barrier 7 Terrain Line 2 NB, 7, 2, 0, 0
96731.8433, 13463.12, 32.89, 32.89, 843.9NT
96803.9164, 13513.8687, 33.50, 33.50, 843.9NT
Barrier 8 Terrain Line 3 NB, 8, 2, 0, 0
96546.5783, 13800.7256, 34.00, 34.00, 847.6NT
96541.3806, 13869.2326, 34.00, 34.00, 848.2NT
Barrier 9 Terrain Line 4 NB, 9, 2, 0, 0
96496.56, 13872.81, 30.00, 30.00, 848.6NT
96548.35, 13920.41, 36.00, 36.00, 848.75NT
Barrier 10 Center Divider, 10, 2, 0, 0
97372.89, 12466.18, 9.50, 10.50, 832C
97320.41, 12551.29, 12.50, 13.50, 833C
97265.74, 12636.05, 15.50, 16.50, 834C
97209.21, 12719.03, 18.40, 19.40, 835C
97153.27, 12801.05, 20.80, 21.80, 836C
97096.34, 12883.5, 22.20, 23.20, 837C
97040.21, 12966.18, 23.30, 24.30, 838C
96983.16, 13049.79, 24.50, 25.50, 839C
96928.02, 13131.5, 25.70, 26.70, 840C
96872.52, 13213.88, 26.80, 27.80, 841C
Barrier 11 Center Divider - continued, 11, 2, 0, 0
96872.52, 13213.88, 26.80, 27.80, 841C
96816.22, 13296.34, 27.30, 28.30, 842C
96759.7, 13378.68, 26.30, 27.30, 843C
96709.9, 13451.56, 25.20, 26.20, 843.9C
96646.41, 13544.44, 25.70, 26.70, 845C
96590.37, 13627.16, 22.30, 23.30, 846C
96532.86, 13709.63, 18.70, 19.70, 847C
96477.71, 13792.36, 16.50, 17.50, 848C
96421.28, 13874.68, 14.50, 15.50, 849C
96364.45, 13957.94, 15.30, 16.30, 850C
Barrier 12 Center Divider - continued, 12, 2, 0, 0
96364.45, 13957.94, 15.30, 16.30, 850C
96308, 14040.54, 16.50, 17.50, 851C
96278.04, 14084.69, 16.50, 17.50, 851.5C
96194.56, 14205.91, 20.00, 21.00, 853C
96138.88, 14289.01, 22.40, 23.40, 854C
Barrier 13 Building NB, 13, 2, 0, 0
96566.0991, 13774.9882, 35.80, 45.80, 847.3NB
96608.1107, 13803.4048, 35.80, 45.80, 847.3NB
Barrier 14 Building NB, 14, 2, 0, 0
96546.57, 13800.72, 34.00, 34.00, 847.6NB
96541.38, 13869.23, 34.00, 34.00, 848.2NB
Barrier 15 Terrain Line road NB, 15, 2, 0, 0

97123.2963, 12976.8264, 29.29, 29.29, 837.6N
97102.23, 12989.42, 29.75, 29.75, 837.8N
Barrier 16 Terrain Line road NB, 16, 2, 0, 0
96749.90, 13468.10, 32.95, 32.95, 843.8N
96760.66, 13505.4, 32.10, 32.10, 844N
Barrier 17 Building NB, 17, 2, 0, 0
97204.47, 12827.48, 25.80, 32.80, 836NB
97215.19, 12835.74, 25.80, 32.80, 836NB
Barrier 18 Building NB, 17, 2, 0, 0
97282.5, 12778.7, 25.77, 30.77, 835N
97261.8, 12788.7, 25.67, 30.67, 835.2N
97285.5, 12805.1, 25.88, 30.88, 835.3N
R 19.1A, 1, 55, 2,
97276.5, 12789.9, 27.3, R19.1A
D, 4.5
ALL, ALL
K, 0.
All,All

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGMENT 19 NORTH BOUND VISTA WAY (SR 78) TO OCEANSIDE NB ONLY - NO BUILD -ADDED R19.1A

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	0.*							832N	151.0	
2	-	0.*							832.5N	261.2	
3	-	0.*							833.3N	43.9	
4	-	0.*							833.4N	207.1	
5	-	0.*							834.2N	233.8	
6	-	0.*							835N	166.0	
7	-	0.*							835.5N	72.4	
8	-	7.*							835.8N	251.5	
9	-	7.*							836.55N	159.7	
10	-	7.*							837N	124.0	
11	-	7.*							837.4N	91.7	
12	-	6.*							837.8N	29.5	
13	-	6.*							837.85N	291.6	
14	-	6.*							838.8N	170.4	
15	-	6.*							839.25N	140.3	
16	-	6.*							839.7N	145.0	
17	-	6.*							840.1N	.0	
18	-	6.*							840.1N	70.3	
19	-	9.*							840.3N	720.8	
20	-	10.*							842.5N	1.0	
21	-	10.*							842.5N	143.2	
22	-	10.*							843N	200.2	
23	-	10.*							843.5N	77.9	
24	-	10.*							843.7N	32.9	
25	-	6.*							844N	317.6	
26	-	6.*							845N	326.7	
27	-	3.*							846N	6.0	
28	-	0.*							846N	324.8	
29	-	0.*							847N	332.1	
30	-	0.*							848N	184.2	
31	-	0.*							837.75N	230.5	
32	-	0.*							843.9NT	289.2	
33	-	0.*							847.6NT	225.3	
34	-	0.*							848.6NT	231.6	

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35    -  3.*                    832C     328.3
36    -  3.*                    833C     331.1
37    -  3.*                    834C     329.5
38    -  3.*                    835C     325.9
39    -  3.*                    836C     328.8
40    -  3.*                    837C     327.9
41    -  3.*                    838C     332.1
42    -  3.*                    839C     323.4
43    -  3.*                    840C     325.9

44    -  3.*                    841C     327.6
45    -  3.*                    842C     327.6
46    -  3.*                    843C     289.6
47    -  3.*                    843.9C    369.1
48    -  3.*                    845C     328.0
49    -  3.*                    846C     330.1
50    -  3.*                    847C     326.3
51    -  3.*                    848C     327.5
52    -  3.*                    849C     330.8

53    -  3.*                    850C     328.3
54    -  3.*                    851C     175.0
55    -  3.*                    851.5C    483.0
56    -  3.*                    853C     328.3

57    - 33.*                     847.3NB   166.4

58    -  0.*                    847.6NB   225.3

59    -  0.*                    837.6N     80.5

60    -  0.*                    843.8N    127.4

61    - 23.*                     836NB      44.4

62    - 16.*                     835N       75.4
63    - 16.*                     835.2N     94.5
--------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
-------------------------------
 1   R19.1A  67.    500.   61.3
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 0. 0. 0. 0. 0. 0. 0. 7. 7. 7. 7. 6. 6. 6. 6. 6. 6. 6. 9.10.10.10.10.10. 6.
 6. 3. 0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
 3. 3. 3. 3. 3. 3.33. 0. 0. 0.23.16.16.
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Roadway Segment 19 North Bound Vista Way (SR 78) to Oceanside NB only - Future No Barrier
T RW Seg 19NB Truck,1
4690,65,186,65,524,65
T RW Seg 19NB Truck,2
4690,65,186,65,524,65
T RW Seg 19NB Car,3
5214,65,186,65,0,0
T RW Seg 19NB Car,4
5214,65,186,65,0,0
T RW Seg 19NB HOV,5
3000,65,0,0,0,0
T RW Seg 19NB HOV,6
3000,65,0,0,0,0
T RW L 23 NB On Ramp from Vista Way SR 78,7
1890,45,54,45,56,45
T RW L 20 NB Off Loop to WB SR78,8
945,25,27,25,28,25
T RW L 27 NB Off Loop to Oceanside Blvd,9
1890,25,54,25,56,25
T RW L 28 NB On Ramp from Oceanside Blvd,10
945,45,27,45,28,45
T RW L 26 NB onramp from California St,11
973,45,17,45,10,45
T RW Seg 19SB Truck,12
4690,65,186,65,524,65
T RW Seg 19SB Truck,13
4690,65,186,65,524,65
T RW Seg 19SB Car,14
5214,65,186,65,0,0
T RW Seg 19SB Car,15
5214,65,186,65,0,0
T RW Seg 19SB HOV,16
3000,65,0,0,0,0
T RW Seg 19SB HOV,17
3000,65,0,0,0,0
T RW L 24 SB Onramp from Casidy St,18
945,45,27,45,28,45
T RW L 25 SB Off Ramp to Cassidy St,19
945,45,27,45,28,45
T RW L 29 SB On Loop from Oceanside,20
945,25,27,25,28,25
T RW L 30 SB Off Ramp to Oceanside,21
945,45,27,45,28,45
T RW L 21 SB Off Loop to SR78,22
1890,25,54,25,56,25
T RW L 22 SB On Ramp from SR78,23
1890,45,54,45,56,45
L I-5 Seg 19NB Truck,1
Y,97393.18,12478.17,9.2, Sta.832
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L I-5 Seg 19NB Truck- cont,2
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L I-5 Seg 19NB Cars,3
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L I-5 Seg 19NB Cars - Cont,4
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L I-5 Seg 19NB HOV,5,
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L I-5 Seg 19NB HOV - cont,6
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N,96427.99,13879.11,16.4, Sta.849
N,96371.79,13962.23,14.4, Sta.850
N,96315.06,14045.49,15.3, Sta.851
N,96284.94,14090.19,16.5, Sta.851.5
N,96201.28,14212.34,20, Sta.853
N,96145.97,14293.34,22.4, Sta.854
L 23 NB On Ramp from Vista Way SR 78,7
Y,97607.32,12829.44,5.2,831+05
Y,97525.45,12781.95,7,832+00
Y,97438.64,12733.60,11.2,833+00
N,97381.73,12719.04,13.7,833+60
N,97323.05,12721.45,15.8,834+20
N,97285.43,12732.17,17,834+60
N,97234.28,12761.44,18.7,835+20
N,97181.14,12819.67,20.2,836+00
N,97123.13,12901.16,21.8,837+00
N,97065.95,12982.93,23.1,838+00
L 20 NB Off Loop to WB SR78,8
N,97398.43,12476.75,9,L20.831+95
N,97369.22,12534.28,11.1,L20.833+00
N,97324.46,12623.74,14.8,L20.834+00
N,97303.07,12668.47,15.9,L20.834+50
N,97309.30,12695.36,16.2,L20.834+80
Y,97331.70,12707.37,16.5,L20.835+10
Y,97361.17,12698.12,17,L20.835+40
Y,97368.65,12663.43,18.3,L20.835+78
L 27 NB Off Loop to Oceanside Blvd,9
N,96404.70,13965.54,14.3,849+05
N,96348.06,14065.98,14.6,851+00
N,96299.00,14153.19,16.5,852+00
N,96273.30,14205.85,15.9,852+60
Y,96284.92,14237.06,14.4,853+00
Y,96319.16,14240.23,12.1,853+40
N,96353.63,14195.00,9.1,854+00
Y,96376.20,14162.45,8.1,853+60
L 28 NB On Ramp from Oceanside Blvd,10
Y,96375.81,14183.67,8.5,851+60
Y,96328.82,14249.77,12,852+40
Y,96277.35,14281.85,16,853+00
N,96188.02,14325.35,21,854+00
N,96142.90,14363.33,22.8,854+60
N,96094.61,14426.86,24.6,855+40
N,96059.65,14475.74,26.1,865+00
N,96002.22,14556.06,28.8,857+00
L 26 NB onramp from California St,11
N,96750.88,13495.93,32.3,844+00
N,96696.65,13554.69,26.9,844+80
N,96647.57,13617.92,22.6,845+60
N,96588.98,13698.74,20.8,846+60

N,96510.06,13812.94,18.25,848+00
L I-5 Seg 19SB Truck,12
N,96511.6,13693.4,20.5, Sta.847
N,96567.9,13611.35,22, Sta.846
N,96625.24,13529.63,23.5, Sta.845
N,96689.44,13437.15,24.8, Sta.844
N,96738.45,13365.4,26, Sta.843
N,96794.48,13282.15,26.5, Sta.842
N,96849.05,13198.73,26.5, Sta.841
N,96905.18,13116.17,25.4, Sta.840
N,96961.58,13034.99,24.5, Sta.839
N,97016.94,12951.08,23.3, Sta.838
N,97075.03,12869.26,22, Sta.837
N,97130.72,12786.87,20.5, Sta.836
N,97186.1,12703.44,18, Sta.835
Y,97241.86,12621.55,15.2, Sta.834
N,97298.15,12536.88,12.3, Sta.833
N,97349.72,12451.77,9, Sta.832
L I-5 Seg 19SB Truck, cont,13
N,96120.73,14276.24,22, Sta.854
Y,96175.07,14193.32,19.5, Sta.853
N,96258.91,14069.9,16.3, Sta.852
N,96288.65,14027.9,15.1, Sta.851
N,96341.28,13942.94,14.2, Sta.850
N,96397.61,13860.8,16.2, Sta.849
N,96454.79,13777.89,18.4, Sta.848
N,96510.83,13694.86,20.5, Sta.847
L I-5 Seg 19SB Cars,14,
N,96519.17,13699.85,20.6, Sta.847
N,96575.32,13615.98,22.3, Sta.846
N,96632.57,13534.62,23.6, Sta.845
N,96696.2,13441.82,25, Sta.844
N,96745.34,13370.03,26, Sta.843
N,96802.3,13287,27.3, Sta.842
N,96857.08,13204.46,26.7, Sta.841
N,96912.18,13121.45,25.5, Sta.840
N,96969.41,13039.5,24.3, Sta.839
N,97024.86,12955.75,23.4, Sta.838
N,97081.97,12873.51,22, Sta.837
N,97137.96,12791.81,20.8, Sta.836
N,97193.32,12707.9,18.3, Sta.835
N,97249.44,12626.09,15.3, Sta.834
N,97305.79,12541.26,12.4, Sta.833
N,97357.58,12456.6,9.3, Sta.832
L I-5 Seg 19SB Cars,15
N,96126.34,14280.01,22.3, Sta.854
Y,96180.84,14197.12,19.9, Sta.853
N,96265.5,14075.01,16.4, Sta.852
N,96294.66,14032.11,15.2, Sta.851
N,96348.21,13948.06,14.3, Sta.850
N,96405,13865.01,16.3, Sta.849
N,96461.4,13782.16,18.2, Sta.848
N,96518.51,13699.95,20.6, Sta.847
L I-5 Seg 19SB HOV,16
N,96527.05,13705.21,20.8, Sta.847
N,96583.32,13622.5,22.3, Sta.846

N,96640.42,13539.84,23.7, Sta.845
N,96703.73,13446.98,25.2, Sta.844
N,96752.62,13374.7,26.2, Sta.843
N,96808.88,13291.58,27.3, Sta.842
N,96865.19,13209.3,28.8, Sta.841
N,96920.56,13127.37,25.7, Sta.840
N,96977.1,13045.33,24.5, Sta.839
N,97033.3,12961.36,23.2, Sta.838
N,97090.29,12879.22,22.2, Sta.837
N,97145.23,12796.07,20.8, Sta.836
N,97202.24,12714.23,18.4, Sta.835
N,97258.23,12631.37,15.5, Sta.834
N,97313.12,12546.46,12.4, Sta.833
N,97366.03,12461.85,9.4, Sta.832
L I-5 Seg 19SB HOV,17
N,96131.72,14284.35,22.4, Sta.854
N,96188.01,14201.05,20, Sta.853
N,96271.61,14079.71,16.5, Sta.852
N,96301.14,14036.08,15.3, Sta.851
N,96356.68,13952.69,14.4, Sta.850
N,96413.15,13870.85,16.5, Sta.849
N,96469.42,13788.27,18.7, Sta.848
N,96526.75,13705.38,20.8, Sta.847
L 24 SB Onramp from Casidy St,18
N,96937.10,12858.93,22,838+30
N,96984.26,12870.57,23.5,837+80
Y,97043.44,12864.84,22.4,837+20
N,97076.76,12844.60,21.2,836+80
Y,97123.55,12780.24,20.3,836+00
Y,97181.86,12698.01,18,835+00
L 25 SB Off Ramp to Cassidy St,19
N,96866.53,13163.04,26,840+60
N,96896.50,13109.94,25,840+00
N,96945.62,13022.83,23.8,839+00
N,96970.69,12969.29,24.1,838+40
N,96963.60,12911.48,23.8,837+80
N,96933.92,12864.88,22,837+20
L 29 SB On Loop from Oceanside,20
Y,96179.70,14019.11,7,854+60
Y,96145.42,14068.75,9.4,854+00
Y,96123.89,14099.93,12.8,853+60
Y,96131.32,14133.01,15.2,853+20
N,96161.41,14146.27,17,852+80
N,96190.32,14128.71,17.5,852+40
N,96215.44,14097.72,17,852+00
N,96275.52,14017.56,14.7,851+00
N,96331.69,13934.88,14.3,850+00
L 30 SB Off Ramp to Oceanside,21
N,95994.68,14435.25,26.75,856+00
N,96045.27,14345.22,23.5,855+00
N,96071.65,14291.71,21.8,854+40
Y,96087.22,14234.24,19.1,853+80
Y,96092.19,14154.20,14.7,853+00
Y,96109.35,14094.54,11.2,852+40
Y,96166.79,14008.71,7.1,851+55
L 21 SB Off Loop to SR78,22

N,97264.43,12581.35,13.8,L21.833+55
N,97289.75,12532.25,11.9,L21.833+00
N,97326.47,12461.05,10.2,L21.832+20
N,97329.19,12425.62,10.8,L21.831+80
N,97302.15,12402.33,12.4,L21.831+40
N,97267.78,12410.80,15,L21.831+00
N,97251.95,12443.86,16.1,L21.830+60
N,97240.46,12537.67,22.9,L21.829+72
L 22 SB On Ramp from SR78,23
Y,97229.844,12522.4169,22.9,L22.833+72
Y,97238.2972,12451.1263,19,L22.833+00
Y,97252.2999,12412.4388,15.8,L22.832+60
Y,97288.8176,12390.1413,12.7,L22.832+20
N,97347.4513,12389.3489,8.4,L22.831+60
N,97383.0282,12376.2073,6.8,L22.831.20
N,97408.2504,12347.0079,6.4,L22.830+80
N,97451.421,12279.5106,6.4,L22.830+00
Barrier 1 Terrain Line ROW NB,1,2,0,0
97508.12,12812.81,20.5,20.5, 832N
97469.07,12788.46,20.1,20.1, 832.5N
97396.53,12755.84,23.5,23.5, 833.3N
97390.48,12743.98,22,22, 833.4N
97327.46,12747,24,24, 834.2N
97258.47,12764.87,25,25, 835N
97214.04,12789.08,24.5,24.5, 835.5N
97199.4929,12805.6581,25.57,25.57, 835.8N
97199.4929,12805.6581,25.57,25.57, 835.8N
97154.9079,12868.0187,26.11,26.11, 836.55N
Barrier 2 Soundwall NB ,2,2,0,0
97154.9079,12868.0187,26.11,28.25, 836.55N
97139.3009,12914.0934,27.1,29.24, 837N
97135.4163,12951.6741,28,30.14, 837.4N
97123.2963,12976.8264,29.29,31.43, 837.6N
Barrier 3 Soundwall NB,3,2,0,0
97102.23,12989.42,29.75,31.58, 837.8N
97106.84,12997.13,29.1,30.93, 837.85N
97045.41,13061.34,28.1,29.93, 838.8N
97015.19,13103.57,28,29.83, 839.25N
96992.14,13139.6,28.18,30.01, 839.7N
96953.1,13160.26,27.47,29.3, 840.1N
Barrier 4 Soundwall NB,4,2,0,0
96792.86,13394.74,30.7,33.75, 843N
96772.32,13452.21,32,35.05, 843.5N
96759.16,13471.96,32.7,35.75, 843.7N
96749.9,13468.1,32.95,36, 843.8N
Barrier 5 Soundwall NB ROW from California St,5,2,0,0
96760.66,13505.4,32.1,32.1, 844N
96700.85,13581.51,32.5,32.5, 845N
96642.09,13661.91,33.5,33.5, 846N
96586.54,13743.85,33.5,33.5, 847N
96527.94,13826.28,29,29, 848N
96496.56,13872.81,30,30, 848.6N
Barrier 6 Terrain Line 1 NB,6,2,0,0
97082.47,12962.86,30.75,30.75, 837.75NT
97139.2,13003.99,25.77,25.77, 837.75NT
Barrier 7 Terrain Line 2 NB,7,2,0,0

96731.8433,13463.12,32.89,32.89, 843.9NT
96803.9164,13513.8687,33.5,33.5, 843.9NT
Barrier 8 Terrain Line 3 NB,8,2,0,0
96546.5783,13800.7256,34,34, 847.6NT
96541.3806,13869.2326,34,34, 848.2NT
Barrier 9 Terrain Line 4 NB,9,2,0,0
96496.56,13872.81,30,30, 848.6NT
96548.35,13920.41,36,36, 848.75NT
Barrier 10 Center Divider,10,2,0,0
97372.89,12466.18,9.5,10.5, 832C
97320.41,12551.29,12.5,13.5, 833C
97265.74,12636.05,15.5,16.5, 834C
97209.21,12719.03,18.4,19.4, 835C
97153.27,12801.05,20.8,21.8, 836C
97096.34,12883.5,22.2,23.2, 837C
97040.21,12966.18,23.3,24.3, 838C
96983.16,13049.79,24.5,25.5, 839C
96928.02,13131.5,25.7,26.7, 840C
96872.52,13213.88,26.8,27.8, 841C
Barrier 11 Center Divider - continued,11,2,0,0
96872.52,13213.88,26.8,27.8, 841C
96816.22,13296.34,27.3,28.3, 842C
96759.7,13378.68,26.3,27.3, 843C
96709.9,13451.56,25.2,26.2, 843.9C
96646.41,13544.44,25.7,26.7, 845C
96590.37,13627.16,22.3,23.3, 846C
96532.86,13709.63,18.7,19.7, 847C
96477.71,13792.36,16.5,17.5, 848C
96421.28,13874.68,14.5,15.5, 849C
96364.45,13957.94,15.3,16.3, 850C
Barrier 12 Center Divider - continued,12,2,0,0
96364.45,13957.94,15.3,16.3, 850C
96308,14040.54,16.5,17.5, 851C
96278.04,14084.69,16.5,17.5, 851.5C
96194.56,14205.91,20,21, 853C
96138.88,14289.01,22.4,23.4, 854C
Barrier 13 Building NB,13,2,0,0
96566.0991,13774.9882,35.8,45.8, 847.3NB
96608.1107,13803.4048,35.8,45.8, 847.3NB
Barrier 14 Building NB,14,2,0,0
96546.57,13800.72,34,34, 847.6NB
96541.38,13869.23,34,34, 848.2NB
Barrier 15 Terrain Line road NB,15,2,0,0
97123.2963,12976.8264,29.29,29.29, 837.6N
97102.23,12989.42,29.75,29.75, 837.8N
Barrier 16 Terrain Line road NB,16,2,0,0
96749.9,13468.1,32.95,32.95, 843.8N
96760.66,13505.4,32.1,32.1, 844N
Barrier 17 Replacement Wall NB,17,2,0,0
96953.1,13160.26,27.47,30.21, 840.1N
96937.4,13174.82,27.59,30.33, 840.3N
96813.93,13356.53,29.73,32.47, 842.5N
96792.86,13394.74,30.7,33.44, 843N
Barrier 18 Building NB,18,2,0,0
97204.47,12827.48,25.8,32.8, 836NB
97215.19,12835.74,25.8,32.8, 836NB

Barrier 19 Building NB,19,2,0,0
97282.5,12778.7,25.77,30.77, 835N
97261.8,12788.7,25.67,30.67, 835.2N
97285.5,12805.1,25.88,30.88, 835.3N
R 19.1,1,55,2,
97199.68,12844.43,27.8, R19.1
R 19.2,2,55,2,
97176.33,12863.93,27.5, LT19.1
R 19.3,3,55,1,
97168.74,12907.99,29, R19.3
R 19.4,4,55,3,
97182.54,12924.05,30, R19.4
R 19.5,5,55,3,
97112.59,13027.49,29.86, R19.5
R 19.6,6,55,3,
97077.59,13050.29,29.5, ST19.1
R 19.7,7,55,8,
96925.44,13217.76,30.7, LT19.3
R 19.8,8,55,4,
96862.04,13309.12,31.5, R19.8
R 19.9,9,55,4,
96815.57,13382.68,31.5, ST19.3/CAL
R 19.10,10,55,1,
96802.94,13450.48,33.5, R19.10
R 19.11,11,55,1,
96807.35,13474.65,34, R19.11
R 19.12,12,55,1,
96752.32,13527.9,34.7, R19.12
R 19.13,13,55,2,
96771.86,13548.07,34, R19.13
R 19.14,14,55,2,
96733.5,13559.81,34.6, R19.14
R 19.15,15,55,7,
96671.3,13637.84,35.2, LT19.6
R 19.16,16,55,3,
96582.72,13761.33,36.9, R19.16
R 19.17,17,55,2,
96561.16,13823.67,35.5, ST19.4/CAL
R 19.18,18,55,2,
96515.81,13862.69,35.5, R19.18
R 19.6A,19,55,2,
97028.03,13138.15,30.9, R19.6A
R 19.5A,20,55,2,
97108,13068,30, R19.5A
R 19.1A,21,55,2,
97276.5,12789.9,27.3, R19.1A
D,4.5,
ALL, ALL
K,0,
All,All,
K,-5,
All,11,13,20

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGMENT 19 NORTH BOUND VISTA WAY (SR 78) TO OCEANSIDE NB ONLY - FUTURE NO BARRIER

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BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	0.*							832N	151.0	
2	-	0.*							832.5N	261.2	
3	-	0.*							833.3N	43.9	
4	-	0.*							833.4N	207.1	
5	-	0.*							834.2N	233.8	
6	-	0.*							835N	166.0	
7	-	0.*							835.5N	72.4	
8	-	0.*							835.8N	.0	
9	-	0.*							835.8N	251.5	
10	-	7.*							836.55N	159.7	
11	-	7.*							837N	124.0	
12	-	7.*							837.4N	91.7	
13	-	6.*							837.8N	29.5	
14	-	6.*							837.85N	291.6	
15	-	6.*							838.8N	170.4	
16	-	6.*							839.25N	140.3	
17	-	6.*							839.7N	145.0	
18	-	10.*							843N	200.2	
19	-	10.*							843.5N	77.9	
20	-	10.*							843.7N	32.9	
21	-	0.*							844N	317.6	
22	-	0.*							845N	326.7	
23	-	0.*							846N	324.8	
24	-	0.*							847N	332.1	
25	-	0.*							848N	184.2	
26	-	0.*							837.75N	230.5	
27	-	0.*							843.9NT	289.2	
28	-	0.*							847.6NT	225.3	
29	-	0.*							848.6NT	231.6	
30	-	3.*							832C	328.3	
31	-	3.*							833C	331.1	
32	-	3.*							834C	329.5	
33	-	3.*							835C	325.9	

34	-	3.*	836C	328.8
35	-	3.*	837C	327.9
36	-	3.*	838C	332.1
37	-	3.*	839C	323.4
38	-	3.*	840C	325.9
39	-	3.*	841C	327.6
40	-	3.*	842C	327.6
41	-	3.*	843C	289.6
42	-	3.*	843.9C	369.1
43	-	3.*	845C	328.0
44	-	3.*	846C	330.1
45	-	3.*	847C	326.3
46	-	3.*	848C	327.5
47	-	3.*	849C	330.8
48	-	3.*	850C	328.3
49	-	3.*	851C	175.0
50	-	3.*	851.5C	483.0
51	-	3.*	853C	328.3
52	-	33.*	847.3NB	166.4
53	-	0.*	847.6NB	225.3
54	-	0.*	837.6N	80.5
55	-	0.*	843.8N	127.4
56	-	9.*	840.1N	70.3
57	-	9.*	840.3N	720.8
58	-	9.*	842.5N	143.2
59	-	23.*	836NB	44.4
60	-	16.*	835N	75.4
61	-	16.*	835.2N	94.5

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0 1 2 3 4 5 6 7

1

REC	REC ID	DNL	PEOPLE	LEQ(CAL)
1	R19.1	67.	500.	75.1
2	LT19.1	67.	500.	76.2
3	R19.3	67.	500.	72.6
4	R19.4	67.	500.	71.3
5	R19.5	67.	500.	70.9
6	ST19.1	67.	500.	72.0
7	LT19.3	67.	500.	75.3
8	R19.8	67.	500.	74.3
9	ST19.3	67.	500.	71.1
10	R19.10	67.	500.	69.7
11	R19.11	67.	500.	64.6
12	R19.12	67.	500.	75.7
13	R19.13	67.	500.	65.8
14	R19.14	67.	500.	75.1

15 LT19.6 67. 500. 75.9
16 R19.16 67. 500. 77.1
17 ST19.4 67. 500. 72.2
18 R19.18 67. 500. 76.9
19 R19.6A 67. 500. 73.4
20 R19.5A 67. 500. 64.9
21 R19.1A 67. 500. 62.7
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
0. 0. 0. 0. 0. 0. 0. 0. 0. 7. 7. 7. 6. 6. 6. 6. 6.10.10.10. 0. 0. 0. 0. 0. 0.
0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
3.33. 0. 0. 0. 9. 9. 9.23.16.16.

Roadway Segment 19 South Bound Vista Way (SR 78) to Oceanside SB only - Future No Barrier - R19.19-R19.40
T RW Seg 19NB Truck,1
4690,65,186,65,524,65
T RW Seg 19NB Truck,2
4690,65,186,65,524,65
T RW Seg 19NB Car,3
5214,65,186,65,0,0
T RW Seg 19NB Car,4
5214,65,186,65,0,0
T RW Seg 19NB HOV,5
3000,65,0,0,0,0
T RW Seg 19NB HOV,6
3000,65,0,0,0,0
T RW L 23 NB On Ramp from Vista Way SR 78,7
1890,45,54,45,56,45
T RW L 20 NB Off Loop to WB SR78,8
945,25,27,25,28,25
T RW L 27 NB Off Loop to Oceanside Blvd,9
1890,25,54,25,56,25
T RW L 28 NB On Ramp from Oceanside Blvd,10
945,45,27,45,28,45
T RW L 26 NB onramp from California St,11
973,45,17,45,10,45
T RW Seg 19SB Truck,12
4690,65,186,65,524,65
T RW Seg 19SB Truck,13
4690,65,186,65,524,65
T RW Seg 19SB Car,14
5214,65,186,65,0,0
T RW Seg 19SB Car,15
5214,65,186,65,0,0
T RW Seg 19SB HOV,16
3000,65,0,0,0,0
T RW Seg 19SB HOV,17
3000,65,0,0,0,0
T RW L 24 SB Onramp from Casidy St,18
945,45,27,45,28,45
T RW L 25 SB Off Ramp to Cassidy St,19
945,45,27,45,28,45
T RW L 29 SB On Loop from Oceanside,20
945,25,27,25,28,25
T RW L 30 SB Off Ramp to Oceanside,21
945,45,27,45,28,45
T RW L 21 SB Off Loop to SR78,22
1890,25,54,25,56,25
T RW L 22 SB On Ramp from SR78,23
1890,45,54,45,56,45
L I-5 Seg 19NB Truck,1
Y,97393.18,12478.17,9.2, Sta.832
N,97340.87,12563.93,12.5, Sta.833
N,97285.97,12648.77,15.5, Sta.834
N,97228.87,12732.35,18.1, Sta.835
N,97171.94,12813.13,20.8, Sta.836
N,97116.61,12896.88,21.9, Sta.837
N,97059.82,12979.59,23, Sta.838

N,97003.27,13063.77,24.3, Sta.839
N,96945.67,13144.06,25.5, Sta.840
N,96889.96,13226.09,26.7, Sta.841
N,96833.55,13308.44,27.1, Sta.842
N,96777.38,13390.45,26, Sta.843
N,96729.03,13463.96,24.9, Sta.843.9
N,96666.52,13557.26,23.5, Sta.845
N,96609.75,13640.16,22.2, Sta.846
L I-5 Seg 19NB Truck- cont,2
N,96609.75,13640.16,22.2, Sta.846
N,96553.42,13723.71,20.5, Sta.847
N,96497.18,13804.88,18.5, Sta.848
N,96440.43,13888.29,16.3, Sta.849
N,96384.49,13970.91,14.2, Sta.850
N,96327.79,14054.12,15, Sta.851
N,96297.57,14098.66,16.3, Sta.851.5
N,96213.89,14220.75,19.8, Sta.853
N,96157.96,14303.43,22.1, Sta.854
L I-5 Seg 19NB Cars,3
Y,97387.2,12474.34,9.3, Sta.832
Y,97334.2,12559.7,12.5, Sta.833
N,97279.65,12644.57,15.6, Sta.834
N,97223.24,12728.07,18.3, Sta.835
N,97166.02,12809.67,20.8, Sta.836
N,97110.23,12892.47,22.1, Sta.837
N,97053.79,12975.39,23.2, Sta.838
N,96996.79,13059.55,24.4, Sta.839
N,96939.57,13139.58,25.6, Sta.840
N,96884.62,13222.73,26.7, Sta.841
N,96827.68,13304.89,27.2, Sta.842
N,96772.18,13387.16,26.1, Sta.843
N,96722.93,13459.99,25.1, Sta.843.9
N,96660.55,13553.26,23.6, Sta.845
N,96604.08,13636.14,22.2, Sta.846
L I-5 Seg 19NB Cars - Cont,4
N,96604.08,13636.14,22.2, Sta.846
N,96547.11,13719.42,20.6, Sta.847
N,96491.18,13800.74,18.6, Sta.848
N,96434.73,13884.82,16.4, Sta.849
N,96378.15,13966.78,14.3, Sta.850
N,96322.2,14050.31,15.2, Sta.851
N,96291.58,14093.73,16.4, Sta.851.5
N,96206.71,14215.57,19.9, Sta.853
N,96152.6,14298.14,22.2, Sta.854
L I-5 Seg 19NB HOV,5
N,97379.75,12470.51,9.4, Sta.832
N,97328.11,12555.76,12.5, Sta.833
N,97272.89,12640.53,15.5, Sta.834
N,97216.27,12723.46,18.3, Sta.835
N,97158.9,12805.03,20.8, Sta.836
N,97103.93,12888.35,22.2, Sta.837
N,97047.1,12970.92,23.3, Sta.838
N,96990.91,13055.18,24.5, Sta.839
N,96933.08,13136.74,25.8, Sta.840
N,96878.81,13218.76,26.7, Sta.841
N,96822.08,13300.75,27.2, Sta.842

N,96765.78,13383.32,26.3, Sta.843
N,96716.58,13455.73,25.2, Sta.843.9
N,96653.79,13549.22,23.7, Sta.845
N,96597.09,13632.1,22.2, Sta.846
L I-5 Seg 19NB HOV - cont,6
N,96597.09,13632.1,22.2, Sta.846
N,96540.2,13714.15,20.7, Sta.847
N,96483.66,13796.7,18.7, Sta.848
N,96427.99,13879.11,16.4, Sta.849
N,96371.79,13962.23,14.4, Sta.850
N,96315.06,14045.49,15.3, Sta.851
N,96284.94,14090.19,16.5, Sta.851.5
N,96201.28,14212.34,20, Sta.853
N,96145.97,14293.34,22.4, Sta.854
L 23 NB On Ramp from Vista Way SR 78,7
Y,97607.32,12829.44,5.2,831+05
Y,97525.45,12781.95,7,832+00
Y,97438.64,12733.60,11.2,833+00
N,97381.73,12719.04,13.7,833+60
N,97323.05,12721.45,15.8,834+20
N,97285.43,12732.17,17,834+60
N,97234.28,12761.44,18.7,835+20
N,97181.14,12819.67,20.2,836+00
N,97123.13,12901.16,21.8,837+00
N,97065.95,12982.93,23.1,838+00
L 20 NB Off Loop to WB SR78,8
N,97398.43,12476.75,9,L20.831+95
N,97369.22,12534.28,11.1,L20.833+00
N,97324.46,12623.74,14.8,L20.834+00
N,97303.07,12668.47,15.9,L20.834+50
N,97309.30,12695.36,16.2,L20.834+80
Y,97331.70,12707.37,16.5,L20.835+10
Y,97361.17,12698.12,17,L20.835+40
Y,97368.65,12663.43,18.3,L20.835+78
L 27 NB Off Loop to Oceanside Blvd,9
N,96404.70,13965.54,14.3,849+05
N,96348.06,14065.98,14.6,851+00
N,96299.00,14153.19,16.5,852+00
N,96273.30,14205.85,15.9,852+60
Y,96284.92,14237.06,14.4,853+00
Y,96319.16,14240.23,12.1,853+40
N,96353.63,14195.00,9.1,854+00
Y,96376.20,14162.45,8.1,853+60
L 28 NB On Ramp from Oceanside Blvd,10
Y,96375.81,14183.67,8.5,851+60
Y,96328.82,14249.77,12,852+40
Y,96277.35,14281.85,16,853+00
N,96188.02,14325.35,21,854+00
N,96142.90,14363.33,22.8,854+60
N,96094.61,14426.86,24.6,855+40
N,96059.65,14475.74,26.1,865+00
N,96002.22,14556.06,28.8,857+00
L 26 NB onramp from California St,11
N,96750.88,13495.93,32.3,844+00
N,96696.65,13554.69,26.9,844+80
N,96647.57,13617.92,22.6,845+60

N,96588.98,13698.74,20.8,846+60
N,96510.06,13812.94,18.25,848+00
L I-5 Seg 19SB Truck,12
N,96511.6,13693.4,20.5, Sta.847
N,96567.9,13611.35,22, Sta.846
N,96625.24,13529.63,23.5, Sta.845
N,96689.44,13437.15,24.8, Sta.844
N,96738.45,13365.4,26, Sta.843
N,96794.48,13282.15,26.5, Sta.842
N,96849.05,13198.73,26.5, Sta.841
N,96905.18,13116.17,25.4, Sta.840
N,96961.58,13034.99,24.5, Sta.839
N,97016.94,12951.08,23.3, Sta.838
N,97075.03,12869.26,22, Sta.837
N,97130.72,12786.87,20.5, Sta.836
N,97186.1,12703.44,18, Sta.835
Y,97241.86,12621.55,15.2, Sta.834
N,97298.15,12536.88,12.3, Sta.833
N,97349.72,12451.77,9, Sta.832
L I-5 Seg 19SB Truck, cont,13
N,96120.73,14276.24,22, Sta.854
Y,96175.07,14193.32,19.5, Sta.853
N,96258.91,14069.9,16.3, Sta.852
N,96288.65,14027.9,15.1, Sta.851
N,96341.28,13942.94,14.2, Sta.850
N,96397.61,13860.8,16.2, Sta.849
N,96454.79,13777.89,18.4, Sta.848
N,96510.83,13694.86,20.5, Sta.847
L I-5 Seg 19SB Cars,14
N,96519.17,13699.85,20.6, Sta.847
N,96575.32,13615.98,22.3, Sta.846
N,96632.57,13534.62,23.6, Sta.845
N,96696.2,13441.82,25, Sta.844
N,96745.34,13370.03,26, Sta.843
N,96802.3,13287,27.3, Sta.842
N,96857.08,13204.46,26.7, Sta.841
N,96912.18,13121.45,25.5, Sta.840
N,96969.41,13039.5,24.3, Sta.839
N,97024.86,12955.75,23.4, Sta.838
N,97081.97,12873.51,22, Sta.837
N,97137.96,12791.81,20.8, Sta.836
N,97193.32,12707.9,18.3, Sta.835
N,97249.44,12626.09,15.3, Sta.834
N,97305.79,12541.26,12.4, Sta.833
N,97357.58,12456.6,9.3, Sta.832
L I-5 Seg 19SB Cars,15
N,96126.34,14280.01,22.3, Sta.854
Y,96180.84,14197.12,19.9, Sta.853
N,96265.5,14075.01,16.4, Sta.852
N,96294.66,14032.11,15.2, Sta.851
N,96348.21,13948.06,14.3, Sta.850
N,96405,13865.01,16.3, Sta.849
N,96461.4,13782.16,18.2, Sta.848
N,96518.51,13699.95,20.6, Sta.847
L I-5 Seg 19SB HOV,16
N,96527.05,13705.21,20.8, Sta.847

N,96583.32,13622.5,22.3, Sta.846
N,96640.42,13539.84,23.7, Sta.845
N,96703.73,13446.98,25.2, Sta.844
N,96752.62,13374.7,26.2, Sta.843
N,96808.88,13291.58,27.3, Sta.842
N,96865.19,13209.3,28.8, Sta.841
N,96920.56,13127.37,25.7, Sta.840
N,96977.1,13045.33,24.5, Sta.839
N,97033.3,12961.36,23.2, Sta.838
N,97090.29,12879.22,22.2, Sta.837
N,97145.23,12796.07,20.8, Sta.836
N,97202.24,12714.23,18.4, Sta.835
N,97258.23,12631.37,15.5, Sta.834
N,97313.12,12546.46,12.4, Sta.833
N,97366.03,12461.85,9.4, Sta.832
L I-5 Seg 19SB HOV,17
N,96131.72,14284.35,22.4, Sta.854
N,96188.01,14201.05,20, Sta.853
N,96271.61,14079.71,16.5, Sta.852
N,96301.14,14036.08,15.3, Sta.851
N,96356.68,13952.69,14.4, Sta.850
N,96413.15,13870.85,16.5, Sta.849
N,96469.42,13788.27,18.7, Sta.848
N,96526.75,13705.38,20.8, Sta.847
L 24 SB Onramp from Casidy St,18
N,96937.10,12858.93,22,838+30
N,96984.26,12870.57,23.5,837+80
Y,97043.44,12864.84,22.4,837+20
N,97076.76,12844.60,21.2,836+80
Y,97123.55,12780.24,20.3,836+00
Y,97181.86,12698.01,18,835+00
L 25 SB Off Ramp to Cassidy St,19
N,96866.53,13163.04,26,840+60
N,96896.50,13109.94,25,840+00
N,96945.62,13022.83,23.8,839+00
N,96970.69,12969.29,24.1,838+40
N,96963.60,12911.48,23.8,837+80
N,96933.92,12864.88,22,837+20
L 29 SB On Loop from Oceanside,20
Y,96179.70,14019.11,7,854+60
Y,96145.42,14068.75,9.4,854+00
Y,96123.89,14099.93,12.8,853+60
Y,96131.32,14133.01,15.2,853+20
N,96161.41,14146.27,17,852+80
N,96190.32,14128.71,17.5,852+40
N,96215.44,14097.72,17,852+00
N,96275.52,14017.56,14.7,851+00
N,96331.69,13934.88,14.3,850+00
L 30 SB Off Ramp to Oceanside,21,
N,95994.68,14435.25,26.75,856+00
N,96045.27,14345.22,23.5,855+00
N,96071.65,14291.71,21.8,854+40
Y,96087.22,14234.24,19.1,853+80
Y,96092.19,14154.20,14.7,853+00
Y,96109.35,14094.54,11.2,852+40
Y,96166.79,14008.71,7.1,851+55

L 21 SB Off Loop to SR78,22,
N,97264.43,12581.35,13.8,L21.833+55
N,97289.75,12532.25,11.9,L21.833+00
N,97326.47,12461.05,10.2,L21.832+20
N,97329.19,12425.62,10.8,L21.831+80
N,97302.15,12402.33,12.4,L21.831+40
N,97267.78,12410.80,15,L21.831+00
N,97251.95,12443.86,16.1,L21.830+60
N,97240.46,12537.67,22.9,L21.829+72
L 22 SB On Ramp from SR78,23,
Y,97229.844,12522.4169,22.9,L22.833+72
Y,97238.2972,12451.1263,19,L22.833+00
Y,97252.2999,12412.4388,15.8,L22.832+60
Y,97288.8176,12390.1413,12.7,L22.832+20
N,97347.4513,12389.3489,8.4,L22.831+60
N,97383.0282,12376.2073,6.8,L22.831.20
N,97408.2504,12347.0079,6.4,L22.830+80
N,97451.421,12279.5106,6.4,L22.830+00
Barrier 1 Soundwall ROW SB N of Vista Way,1,2,0,0
97186.04,12532.28,22.90,22.90, 833.6S
97135.45,12606.86,22.85,22.85, 834.5S
97155.37,12620.73,22.70,22.70, 834.6S
97156.23,12626.68,23.00,23.00, 834.65S
97188.87,12668.04,23.30,23.30, 834.75S
97137.20,12752.83,23.90,23.90, 835.75S
97137.20,12752.83,23.90,23.90, 835.75S
97062.67,12851.85,23.90,23.90, 837S,
97022.29,12857.59,23.80,23.80, 837.3S
96976.77,12859.95,22.80,22.80, 837.5S
96930.86,12843.72,22.26,22.26, 837.6S
Barrier 2 Soundwall SB N of Cassidy,2,2,0,0,
96900.47,12852.8,21.6,23.43, 837.9S,
96933.86,12875.85,21.5,23.33, 837.9S,
96952.65,12943.75,23,24.83, 838.2S,
96961.89,12979.20,22.80,24.62,838+55,
96961.89,12979.20,22.80,22.80,838+55,
96898.08,13095.23,24.20,24.20,839+90,
Barrier 3 Soundwall SB N of Cassidy,3,2,0,0,
96898.08,13095.23,24.20,26.03,839+90,
96786.47,13018.11,22.1,23.93, 839.9S,
Barrier 4 Soundwall ROW SB N of Cassidy,4,2,0,0,
96898.08,13095.23,24.20,24.20,839+90
96890.70,13108.71,24.15,24.15,840+00
96834.58,13188.45,25,25, 841S
96776.33,13272.77,26.1,26.1, 842S
96767.42,13297.30,26.20,26.20,842+25
96726.34,13357.67,27.12,27.12,843+00
96686.54,13414.96,27.50,27.50,843+70
96681.62,13422.03,31.20,31.20,843+78
96673.66,13433.42,31.00,31.00,843+95
Barrier 5 ROW SB N of California,5,2,0,0
96673.66,13433.42,31.00,31.00,843+95
96671.48,13445.22,27.85,27.85, 844S
96613.87,13521.95,28.72,28.72, 845S
96555.23,13600.7,29.2,29.2, 846S
96496.07,13683.01,29.2,29.2, 847S

96486.59,13698.51,29.66,29.66, 847.2S
96366.4,13625.07,25.27,25.27, 847.2S
Barrier 6 ROW SB S of Oceanside,6,2,0,0
96486.71,13698.42,29.66,29.66, 847.2S
96488.24,13702.53,19.70,19.70,847+20
96488.24,13702.53,19.70,20.62,847+20
96442.32,13768.45,18.20,19.12,848+00
96385.64,13849.89,15.90,16.82,849+00
96327.97,13932.65,14.10,15.02,850+00
96264.08,14024.46,15.00,15.92,851+00
96209.65,14092.27,17.00,17.92,852+00
96161.56,14137.26,17.00,17.92,852+80
Barrier 7 ROW SB N of Oceanside,7,2,0,0
96157.49,14010.90,7.10,7.10,851+63
96103.66,14090.57,11.20,11.20,852+40
96085.96,14152.43,14.70,14.70,853+00
96082.74,14235.49,19.10,19.10,853+80
96041.85,14342.36,23.50,23.50,855+00
Barrier 8 Cassidy St SB,8,2,0,0
96908.05,12843.61,30,30, 837.75ST
97027.21,12925.41,21.8,21.8, 837.75ST
Barrier 9 California St SB,9,2,0,0
96684.15,13433.29,31.5,31.5, 843.9ST
96564.82,13351.16,23.5,23.5, 843.9ST
Barrier 10 Bridge Berm SB,10,2,0,0
97063.5,12866.27,22.3,22.3, 837ST
97029.25,12916.24,29.7,29.7, 837.7ST
97020.8,12928.27,29.7,29.7, 837.8ST
96976.63,12998.16,24.23,24.23, 838.8ST
Barrier 11 Building SB,11,2,0,0
96725.29,13322.87,26.4,31.9, 842.75SB
96715.64,13340.28,26.4,31.9, 842.9SB
Barrier 12 Building SB,12,2,0,0
96711.54,13344,26.4,31.9, 843SB
96698.1,13358.28,26.4,31.9, 843.15SB
Barrier 13 Building SB,13,2,0,0
96410.83,13770.01,7.7,11.97, 848.2SB
96401.67,13783.43,7.7,11.97, 848.3SB
Barrier 14 Building SB,14,2,0,0
96398.59,13785.99,7.7,11.97, 848.35SB
96390.16,13799.88,7.7,11.97, 848.5SB
Barrier 15 Building SB,15,2,0,0
96915.8,12997.59,22,28.1, 839SB
96906.25,13013.02,22,28.1, 839.2SB
Barrier 16 Terrain Line Road SB,16,2,0,0
96687.83,13426.52,29.4,29.4, 843.8S
96678.6,13437.7,30.9,30.9, 843.9S
Barrier 17 Center Divider,17,2,0,0
97372.89,12466.18,9.5,10.5, 832C
97320.41,12551.29,12.5,13.5, 833C
97265.74,12636.05,15.5,16.5, 834C
97209.21,12719.03,18.4,19.4, 835C
97153.27,12801.05,20.8,21.8, 836C
97096.34,12883.5,22.2,23.2, 837C
97040.21,12966.18,23.3,24.3, 838C
96983.16,13049.79,24.5,25.5, 839C

96928.02,13131.5,25.7,26.7, 840C
96872.52,13213.88,26.8,27.8, 841C
Barrier 18 Center Divider ,18,2,0,0
96872.52,13213.88,26.8,27.8, 841C
96816.22,13296.34,27.3,28.3, 842C
96759.7,13378.68,26.3,27.3, 843C
96709.9,13451.56,25.2,26.2, 843.9C
96646.41,13544.44,25.7,26.7, 845C
96590.37,13627.16,22.3,23.3, 846C
96532.86,13709.63,18.7,19.7, 847C
96477.71,13792.36,16.5,17.5, 848C
96421.28,13874.68,14.5,15.5, 849C
96364.45,13957.94,15.3,16.3, 850C
Barrier 19 Center Divider,19,2,0,0
96364.45,13957.94,15.3,16.3, 850C
96308,14040.54,16.5,17.5, 851C
96278.04,14084.69,16.5,17.5, 851.5C
96194.56,14205.91,20,21, 853C
96138.88,14289.01,22.4,23.4, 854C
R 19.19,1,55,12
96237.45,13982.07,8.1, R19.19
R 19.20,2,55,12
96314.29,13860.49,8.1, R19.20
R 19.21,3,55,4
96382.91,13801.82,9, ST19.5/CAL
R 19.22,4,55,4
96384.19,13773.59,9.5, R19.22
R 19.23,5,55,4
96364.86,13763.3,9.7, R19.23
R 19.24,6,55,3
96415.02,13741.44,9.78, R19.24
R 19.25,7,55,1
96473.96,13673.77,30.3, R19.25
R 19.26,8,55,4
96512.09,13647.31,30.4, R19.26
R 19.27,9,55,4
96586.18,13546.56,30.2, LT19.5
R 19.28,10,55,4
96634.67,13459.13,28.7, R19.28
R 19.29,11,55,2
96629.74,13422.02,27.7, R19.29
R 19.30,12,55,4
96719.47,13346.47,27.9, R19.30
R 19.31,13,55,2
96753.61,13305.09,27.28,R19.31
R 19.32,14,55,3
96753.38,13238.13,26.5, R19.32
R 19.33,15,55,4
96786.63,13183.38,25.9, R19.33
R 19.34,16,55,4
96843.27,13098.84,25.7, R19.34
R 19.35,17,55,1
96872,13098,24.9, ST19.2/CAL
R 19.36,18,55,2
96872.82,13074.56,25.1, R19.36
R 19.37,19,55,3

96923.5881,13034.5728,25.9, R19.37
R 19.38,20,55,3
96893.55,13007.64,24.7, R19.38
R 19.39,21,55,3
96948.31,12940.59,23.6, R19.39
R 19.40 ,22,55,2
96931.48,12877.55,23.3, R19.40
R19.19A ,23,55,10
96251,13959,8.42, R19.19A
D,4.5
ALL,ALL
K,0
All,All
K,-5
All,4,5,14,23
K,-11
All,15,16

Roadway Segment 19 South Bound Vista Way (SR 78) to Oceanside SB only - Future No Barrier - R19.41-R19.50
T RW Seg 19NB Truck,1
4690,65,186,65,524,65
T RW Seg 19NB Truck,2
4690,65,186,65,524,65
T RW Seg 19NB Car,3
5214,65,186,65,0,0
T RW Seg 19NB Car,4
5214,65,186,65,0,0
T RW Seg 19NB HOV,5
3000,65,0,0,0,0
T RW Seg 19NB HOV,6
3000,65,0,0,0,0
T RW L 23 NB On Ramp from Vista Way SR 78,7
1890,45,54,45,56,45
T RW L 20 NB Off Loop to WB SR78,8
945,25,27,25,28,25
T RW L 27 NB Off Loop to Oceanside Blvd,9
1890,25,54,25,56,25
T RW L 28 NB On Ramp from Oceanside Blvd,10
945,45,27,45,28,45
T RW L 26 NB onramp from California St,11
973,45,17,45,10,45
T RW Seg 19SB Truck,12
4690,65,186,65,524,65
T RW Seg 19SB Truck,13
4690,65,186,65,524,65
T RW Seg 19SB Car,14
5214,65,186,65,0,0
T RW Seg 19SB Car,15
5214,65,186,65,0,0
T RW Seg 19SB HOV,16
3000,65,0,0,0,0
T RW Seg 19SB HOV,17
3000,65,0,0,0,0
T RW L 24 SB Onramp from Casidy St,18
945,45,27,45,28,45
T RW L 25 SB Off Ramp to Cassidy St,19
945,45,27,45,28,45
T RW L 29 SB On Loop from Oceanside,20
945,25,27,25,28,25
T RW L 30 SB Off Ramp to Oceanside,21
945,45,27,45,28,45
T RW L 21 SB Off Loop to SR78,22
1890,25,54,25,56,25
T RW L 22 SB On Ramp from SR78,23
1890,45,54,45,56,45
L I-5 Seg 19NB Truck,1
Y,97393.18,12478.17,9.2, Sta.832
N,97340.87,12563.93,12.5, Sta.833
N,97285.97,12648.77,15.5, Sta.834
N,97228.87,12732.35,18.1, Sta.835
N,97171.94,12813.13,20.8, Sta.836
N,97116.61,12896.88,21.9, Sta.837
N,97059.82,12979.59,23, Sta.838

N,97003.27,13063.77,24.3, Sta.839
N,96945.67,13144.06,25.5, Sta.840
N,96889.96,13226.09,26.7, Sta.841
N,96833.55,13308.44,27.1, Sta.842
N,96777.38,13390.45,26, Sta.843
N,96729.03,13463.96,24.9, Sta.843.9
N,96666.52,13557.26,23.5, Sta.845
N,96609.75,13640.16,22.2, Sta.846
L I-5 Seg 19NB Truck- cont,2,
N,96609.75,13640.16,22.2, Sta.846
N,96553.42,13723.71,20.5, Sta.847
N,96497.18,13804.88,18.5, Sta.848
N,96440.43,13888.29,16.3, Sta.849
N,96384.49,13970.91,14.2, Sta.850
N,96327.79,14054.12,15, Sta.851
N,96297.57,14098.66,16.3, Sta.851.5
N,96213.89,14220.75,19.8, Sta.853
N,96157.96,14303.43,22.1, Sta.854
L I-5 Seg 19NB Cars,3,
Y,97387.2,12474.34,9.3, Sta.832
Y,97334.2,12559.7,12.5, Sta.833
N,97279.65,12644.57,15.6, Sta.834
N,97223.24,12728.07,18.3, Sta.835
N,97166.02,12809.67,20.8, Sta.836
N,97110.23,12892.47,22.1, Sta.837
N,97053.79,12975.39,23.2, Sta.838
N,96996.79,13059.55,24.4, Sta.839
N,96939.57,13139.58,25.6, Sta.840
N,96884.62,13222.73,26.7, Sta.841
N,96827.68,13304.89,27.2, Sta.842
N,96772.18,13387.16,26.1, Sta.843
N,96722.93,13459.99,25.1, Sta.843.9
N,96660.55,13553.26,23.6, Sta.845
N,96604.08,13636.14,22.2, Sta.846
L I-5 Seg 19NB Cars - Cont,4,
N,96604.08,13636.14,22.2, Sta.846
N,96547.11,13719.42,20.6, Sta.847
N,96491.18,13800.74,18.6, Sta.848
N,96434.73,13884.82,16.4, Sta.849
N,96378.15,13966.78,14.3, Sta.850
N,96322.2,14050.31,15.2, Sta.851
N,96291.58,14093.73,16.4, Sta.851.5
N,96206.71,14215.57,19.9, Sta.853
N,96152.6,14298.14,22.2, Sta.854
L I-5 Seg 19NB HOV,5,
N,97379.75,12470.51,9.4, Sta.832
N,97328.11,12555.76,12.5, Sta.833
N,97272.89,12640.53,15.5, Sta.834
N,97216.27,12723.46,18.3, Sta.835
N,97158.9,12805.03,20.8, Sta.836
N,97103.93,12888.35,22.2, Sta.837
N,97047.1,12970.92,23.3, Sta.838
N,96990.91,13055.18,24.5, Sta.839
N,96933.08,13136.74,25.8, Sta.840
N,96878.81,13218.76,26.7, Sta.841
N,96822.08,13300.75,27.2, Sta.842

N,96765.78,13383.32,26.3, Sta.843
N,96716.58,13455.73,25.2, Sta.843.9
N,96653.79,13549.22,23.7, Sta.845
N,96597.09,13632.1,22.2, Sta.846
L I-5 Seg 19NB HOV - cont,6,
N,96597.09,13632.1,22.2, Sta.846
N,96540.2,13714.15,20.7, Sta.847
N,96483.66,13796.7,18.7, Sta.848
N,96427.99,13879.11,16.4, Sta.849
N,96371.79,13962.23,14.4, Sta.850
N,96315.06,14045.49,15.3, Sta.851
N,96284.94,14090.19,16.5, Sta.851.5
N,96201.28,14212.34,20, Sta.853
N,96145.97,14293.34,22.4, Sta.854
L 23 NB On Ramp from Vista Way SR 78,7,
Y,97607.32,12829.44,5.2,831+05
Y,97525.45,12781.95,7,832+00
Y,97438.64,12733.60,11.2,833+00
N,97381.73,12719.04,13.7,833+60
N,97323.05,12721.45,15.8,834+20
N,97285.43,12732.17,17,834+60
N,97234.28,12761.44,18.7,835+20
N,97181.14,12819.67,20.2,836+00
N,97123.13,12901.16,21.8,837+00
N,97065.95,12982.93,23.1,838+00
L 20 NB Off Loop to WB SR78,8,
N,97398.43,12476.75,9,L20.831+95
N,97369.22,12534.28,11.1,L20.833+00
N,97324.46,12623.74,14.8,L20.834+00
N,97303.07,12668.47,15.9,L20.834+50
N,97309.30,12695.36,16.2,L20.834+80
Y,97331.70,12707.37,16.5,L20.835+10
Y,97361.17,12698.12,17,L20.835+40
Y,97368.65,12663.43,18.3,L20.835+78
L 27 NB Off Loop to Oceanside Blvd,9,
N,96404.70,13965.54,14.3,849+05
N,96348.06,14065.98,14.6,851+00
N,96299.00,14153.19,16.5,852+00
N,96273.30,14205.85,15.9,852+60
Y,96284.92,14237.06,14.4,853+00
Y,96319.16,14240.23,12.1,853+40
N,96353.63,14195.00,9.1,854+00
Y,96376.20,14162.45,8.1,853+60
L 28 NB On Ramp from Oceanside Blvd,10,
Y,96375.81,14183.67,8.5,851+60
Y,96328.82,14249.77,12,852+40
Y,96277.35,14281.85,16,853+00
N,96188.02,14325.35,21,854+00
N,96142.90,14363.33,22.8,854+60
N,96094.61,14426.86,24.6,855+40
N,96059.65,14475.74,26.1,865+00
N,96002.22,14556.06,28.8,857+00
L 26 NB onramp from California St,11,
N,96750.88,13495.93,32.3,844+00
N,96696.65,13554.69,26.9,844+80
N,96647.57,13617.92,22.6,845+60

N,96588.98,13698.74,20.8,846+60
N,96510.06,13812.94,18.25,848+00
L I-5 Seg 19SB Truck,12,
N,96511.6,13693.4,20.5, Sta.847
N,96567.9,13611.35,22, Sta.846
N,96625.24,13529.63,23.5, Sta.845
N,96689.44,13437.15,24.8, Sta.844
N,96738.45,13365.4,26, Sta.843
N,96794.48,13282.15,26.5, Sta.842
N,96849.05,13198.73,26.5, Sta.841
N,96905.18,13116.17,25.4, Sta.840
N,96961.58,13034.99,24.5, Sta.839
N,97016.94,12951.08,23.3, Sta.838
N,97075.03,12869.26,22, Sta.837
N,97130.72,12786.87,20.5, Sta.836
N,97186.1,12703.44,18, Sta.835
Y,97241.86,12621.55,15.2, Sta.834
N,97298.15,12536.88,12.3, Sta.833
N,97349.72,12451.77,9, Sta.832
L I-5 Seg 19SB Truck, cont,13
N,96120.73,14276.24,22, Sta.854
Y,96175.07,14193.32,19.5, Sta.853
N,96258.91,14069.9,16.3, Sta.852
N,96288.65,14027.9,15.1, Sta.851
N,96341.28,13942.94,14.2, Sta.850
N,96397.61,13860.8,16.2, Sta.849
N,96454.79,13777.89,18.4, Sta.848
N,96510.83,13694.86,20.5, Sta.847
L I-5 Seg 19SB Cars,14,
N,96519.17,13699.85,20.6, Sta.847
N,96575.32,13615.98,22.3, Sta.846
N,96632.57,13534.62,23.6, Sta.845
N,96696.2,13441.82,25, Sta.844
N,96745.34,13370.03,26, Sta.843
N,96802.3,13287,27.3, Sta.842
N,96857.08,13204.46,26.7, Sta.841
N,96912.18,13121.45,25.5, Sta.840
N,96969.41,13039.5,24.3, Sta.839
N,97024.86,12955.75,23.4, Sta.838
N,97081.97,12873.51,22, Sta.837
N,97137.96,12791.81,20.8, Sta.836
N,97193.32,12707.9,18.3, Sta.835
N,97249.44,12626.09,15.3, Sta.834
N,97305.79,12541.26,12.4, Sta.833
N,97357.58,12456.6,9.3, Sta.832
L I-5 Seg 19SB Cars,15,
N,96126.34,14280.01,22.3, Sta.854
Y,96180.84,14197.12,19.9, Sta.853
N,96265.5,14075.01,16.4, Sta.852
N,96294.66,14032.11,15.2, Sta.851
N,96348.21,13948.06,14.3, Sta.850
N,96405,13865.01,16.3, Sta.849
N,96461.4,13782.16,18.2, Sta.848
N,96518.51,13699.95,20.6, Sta.847
L I-5 Seg 19SB HOV,16
N,96527.05,13705.21,20.8, Sta.847

N,96583.32,13622.5,22.3, Sta.846
N,96640.42,13539.84,23.7, Sta.845
N,96703.73,13446.98,25.2, Sta.844
N,96752.62,13374.7,26.2, Sta.843
N,96808.88,13291.58,27.3, Sta.842
N,96865.19,13209.3,28.8, Sta.841
N,96920.56,13127.37,25.7, Sta.840
N,96977.1,13045.33,24.5, Sta.839
N,97033.3,12961.36,23.2, Sta.838
N,97090.29,12879.22,22.2, Sta.837
N,97145.23,12796.07,20.8, Sta.836
N,97202.24,12714.23,18.4, Sta.835
N,97258.23,12631.37,15.5, Sta.834
N,97313.12,12546.46,12.4, Sta.833
N,97366.03,12461.85,9.4, Sta.832
L I-5 Seg 19SB HOV,17
N,96131.72,14284.35,22.4, Sta.854
N,96188.01,14201.05,20, Sta.853
N,96271.61,14079.71,16.5, Sta.852
N,96301.14,14036.08,15.3, Sta.851
N,96356.68,13952.69,14.4, Sta.850
N,96413.15,13870.85,16.5, Sta.849
N,96469.42,13788.27,18.7, Sta.848
N,96526.75,13705.38,20.8, Sta.847
L 24 SB Onramp from Casidy St,18
N,96937.10,12858.93,22,838+30
N,96984.26,12870.57,23.5,837+80
Y,97043.44,12864.84,22.4,837+20
N,97076.76,12844.60,21.2,836+80
Y,97123.55,12780.24,20.3,836+00
Y,97181.86,12698.01,18,835+00
L 25 SB Off Ramp to Cassidy St,19,
N,96866.53,13163.04,26,840+60
N,96896.50,13109.94,25,840+00
N,96945.62,13022.83,23.8,839+00
N,96970.69,12969.29,24.1,838+40
N,96963.60,12911.48,23.8,837+80
N,96933.92,12864.88,22,837+20
L 29 SB On Loop from Oceanside,20
Y,96179.70,14019.11,7,854+60
Y,96145.42,14068.75,9.4,854+00
Y,96123.89,14099.93,12.8,853+60
Y,96131.32,14133.01,15.2,853+20
N,96161.41,14146.27,17,852+80
N,96190.32,14128.71,17.5,852+40
N,96215.44,14097.72,17,852+00
N,96275.52,14017.56,14.7,851+00
N,96331.69,13934.88,14.3,850+00
L 30 SB Off Ramp to Oceanside,21
N,95994.68,14435.25,26.75,856+00
N,96045.27,14345.22,23.5,855+00
N,96071.65,14291.71,21.8,854+40
Y,96087.22,14234.24,19.1,853+80
Y,96092.19,14154.20,14.7,853+00
Y,96109.35,14094.54,11.2,852+40
Y,96166.79,14008.71,7.1,851+55

L 21 SB Off Loop to SR78,22,
N,97264.43,12581.35,13.8,L21.833+55
N,97289.75,12532.25,11.9,L21.833+00
N,97326.47,12461.05,10.2,L21.832+20
N,97329.19,12425.62,10.8,L21.831+80
N,97302.15,12402.33,12.4,L21.831+40
N,97267.78,12410.80,15,L21.831+00
N,97251.95,12443.86,16.1,L21.830+60
N,97240.46,12537.67,22.9,L21.829+72
L 22 SB On Ramp from SR78,23,
Y,97229.844,12522.4169,22.9,L22.833+72
Y,97238.2972,12451.1263,19,L22.833+00
Y,97252.2999,12412.4388,15.8,L22.832+60
Y,97288.8176,12390.1413,12.7,L22.832+20
N,97347.4513,12389.3489,8.4,L22.831+60
N,97383.0282,12376.2073,6.8,L22.831.20
N,97408.2504,12347.0079,6.4,L22.830+80
N,97451.421,12279.5106,6.4,L22.830+00
Barrier 1 Soundwall ROW SB N of Vista Way,1,2,0,0
97186.04,12532.28,22.9,24.42, 833.6S
97165.76,12562.34,22.43,23.95, 833.93S
97165.76,12562.34,22.43,22.43, 833.93S
97160.3,12570.57,22.43,22.43, 834S
97160.3,12570.57,22.43,23.95, 834S
97135.45,12606.86,22.85,24.37, 834.5S
97155.37,12620.73,22.7,24.22, 834.6S
97156.23,12626.68,23,24.52, 834.65S
97179.76,12660.48,23.37,24.89, 834.75S
97188.87,12668.04,23.3,24.82, 834.75S
97188.87,12668.04,23.3,23.3, 834.75S
Barrier 2 Soundwall ROW SB N of Vista Way,2,2,0,0
97188.87,12668.04,23.3,23.3, 834.75S
97137.2,12742.83,23.9,23.9, 835.6S
97142.59,12745.76,19.50,19.50,835+60
97085.13,12826.53,21.20,21.20,836+60
97073.13,12841.54,21.20,21.20,836+80
97057.55,12853.61,21.40,21.40,837+00
97057.55,12853.61,21.40,23.23,837+00
97022.29,12857.59,23.8,25.63, 837.3S
96976.77,12859.95,22.8,24.63, 837.5S
96930.86,12843.72,22.26,24.09, 837.6S
Barrier 3 Soundwall SB N of Cassidy,3,2,0,0
96903.05,13098.27,24.5,26.33, 839.9S
96786.47,13018.11,22.1,23.93, 839.9S
Barrier 4 Soundwall ROW SB N of Cassidy,4,2,0,0
96900.47,12852.8,21.6,23.43, 837.9S
96933.86,12875.85,21.5,23.33, 837.9S
96952.65,12943.75,23,24.83, 838.2S
96961.89,12979.20,22.80,24.62,838+55
96961.89,12979.20,22.80,22.80,838+55
96898.08,13095.23,24.20,24.20,839+90
Barrier 5 Cassidy St SB,5,2,0,0
96908.05,12843.61,30,30, 837.75ST
97027.21,12925.41,21.8,21.8, 837.75ST
Barrier 6 Bridge Berm SB,6,2,0,0
97063.5,12866.27,22.3,22.3, 837ST

97029.25,12916.24,29.7,29.7, 837.7ST
97020.8,12928.27,29.7,29.7, 837.8ST
96976.63,12998.16,24.23,24.23, 838.8ST
Barrier 7 Building SB,7,2,0,0
96915.8,12997.59,22,28.1, 839SB
96906.25,13013.02,22,28.1, 839.2SB
Barrier 8 Center Divider,8,2,0,0
97372.89,12466.18,9.5,10.5, 832C
97320.41,12551.29,12.5,13.5, 833C
97265.74,12636.05,15.5,16.5, 834C
97209.21,12719.03,18.4,19.4, 835C
97153.27,12801.05,20.8,21.8, 836C
97096.34,12883.5,22.2,23.2, 837C
97040.21,12966.18,23.3,24.3, 838C
96983.16,13049.79,24.5,25.5, 839C
96928.02,13131.5,25.7,26.7, 840C
96872.52,13213.88,26.8,27.8, 841C
Barrier 9 Center Divider ,9,2,0,0
96872.52,13213.88,26.8,27.8, 841C
96816.22,13296.34,27.3,28.3, 842C
96759.7,13378.68,26.3,27.3, 843C
96709.9,13451.56,25.2,26.2, 843.9C
96646.41,13544.44,25.7,26.7, 845C
96590.37,13627.16,22.3,23.3, 846C
96532.86,13709.63,18.7,19.7, 847C
96477.71,13792.36,16.5,17.5, 848C
96421.28,13874.68,14.5,15.5, 849C
96364.45,13957.94,15.3,16.3, 850C
Barrier 10 Center Divider,10,2,0,0
96364.45,13957.94,15.3,16.3, 850C
96308,14040.54,16.5,17.5, 851C
96278.04,14084.69,16.5,17.5, 851.5C
96194.56,14205.91,20,21, 853C
96138.88,14289.01,22.4,23.4, 854C
R 19.41,1,55,2
96969.93,12853.43,24.2, R19.41
R 19.42,2,55,2
97013.13,12852.86,24.5, R19.42
R 19.43,3,55,2
97067.17,12837.69,25.1, R19.43
R 19.44,4,55,2
97089.27,12809.38,25.3, LT19.2
R 19.45,5,55,3
97074.14,12789.62,25, R19.45
R 19.46,6,55,3
97158.06,12672.4,25, R19.46
R 19.47,7,55,5
97127.68,12654.35,24.5, R19.47
R 19.48,8,55,3
97148.07,12541.25,23.8, R19.48
R 19.49,9,55,1
97131.72,12528.95,23.5, R19.49
R 19.50,10,55,1
97117.43,12517.02,23.1, R19.50
D,4.5
ALL,ALL

K,0
All,All
K,-5
All,6,7,9,10

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGMENT 19 SOUTH BOUND VISTA WAY (SR 78) TO OCEANSIDE SB ONLY - FUTURE NO BARRIER - R19.41-R19.50

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	5.*							833.6S	118.9	
2	-	3.*							833.93S	5.0	
3	-	0.*							833.93S	32.4	
4	-	3.*							834S	5.0	
5	-	5.*							834S	144.3	
6	-	5.*							834.5S	79.6	
7	-	5.*							834.6S	19.7	
8	-	5.*							834.65S	135.1	
9	-	5.*							834.75S	38.8	
10	-	3.*							834.75S	5.0	
11	-	0.*							834.75S	298.3	
12	-	0.*							835.6S	24.8	
13	-	0.*							835+60	325.3	
14	-	0.*							836+60	63.0	
15	-	0.*							836+80	64.7	
16	-	3.*							837+00	6.0	
17	-	6.*							837+00	116.7	
18	-	6.*							837.3S	149.5	
19	-	6.*							837.5S	159.8	
20	-	6.*							839.9S	464.3	
21	-	6.*							837.9S	133.1	
22	-	6.*							837.9S	231.2	
23	-	6.*							838.2S	120.2	
24	-	3.*							838+55	6.0	
25	-	0.*							838+55	434.5	
26	-	0.*							837.75S	474.9	
27	-	0.*							837ST	200.2	
28	-	0.*							837.7ST	48.2	
29	-	0.*							837.8ST	271.8	
30	-	20.*							839SB	59.5	
31	-	3.*							832C	328.3	
32	-	3.*							833C	331.1	
33	-	3.*							834C	329.5	
34	-	3.*							835C	325.9	
35	-	3.*							836C	328.8	

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36    -  3.*                        837C     327.9
37    -  3.*                        838C     332.1
38    -  3.*                        839C     323.4
39    -  3.*                        840C     325.9

40    -  3.*                        841C     327.6
41    -  3.*                        842C     327.6
42    -  3.*                        843C     289.6
43    -  3.*                        843.9C   369.1
44    -  3.*                        845C     328.0
45    -  3.*                        846C     330.1
46    -  3.*                        847C     326.3
47    -  3.*                        848C     327.5
48    -  3.*                        849C     330.8

49    -  3.*                        850C     328.3
50    -  3.*                        851C     175.0
51    -  3.*                        851.5C   483.0
52    -  3.*                        853C     328.3
-------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
---------------------------------
 1  R19.41   67.    500.   71.6
 2  R19.42   67.    500.   73.3
 3  R19.43   67.    500.   81.0
 4  LT19.2   67.    500.   81.5
 5  R19.45   67.    500.   77.2
 6  R19.46   67.    500.   69.7
 7  R19.47   67.    500.   66.0
 8  R19.48   67.    500.   69.7
 9  R19.49   67.    500.   63.7
10  R19.50   67.    500.   62.9
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 5. 3. 0. 3. 5. 5. 5. 5. 5. 3. 0. 0. 0. 0. 0. 3. 6. 6. 6. 6. 6. 6. 6. 3. 0.
 0. 0. 0. 0.20. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
 3. 3.
```

Roadway Segment 19 North Bound Vista Way (SR 78) to Oceanside NB only - Design
T RW Seg 19NB Truck,1
4690,65,186,65,524,65
T RW Seg 19NB Truck,2
4690,65,186,65,524,65
T RW Seg 19NB Car,3
5214,65,186,65,0,0
T RW Seg 19NB Car,4
5214,65,186,65,0,0
T RW Seg 19NB HOV,5
3000,65,0,0,0,0
T RW Seg 19NB HOV,6
3000,65,0,0,0,0
T RW L 23 NB On Ramp from Vista Way SR 78,7
1890,45,54,45,56,45
T RW L 20 NB Off Loop to WB SR78,8
945,25,27,25,28,25
T RW L 27 NB Off Loop to Oceanside Blvd,9
1890,25,54,25,56,25
T RW L 28 NB On Ramp from Oceanside Blvd,10
945,45,27,45,28,45
T RW L 26 NB onramp from California St,11
973,45,17,45,10,45
T RW Seg 19SB Truck,12
4690,65,186,65,524,65
T RW Seg 19SB Truck,13
4690,65,186,65,524,65
T RW Seg 19SB Car,14
5214,65,186,65,0,0
T RW Seg 19SB Car,15
5214,65,186,65,0,0
T RW Seg 19SB HOV,16
3000,65,0,0,0,0
T RW Seg 19SB HOV,17
3000,65,0,0,0,0
T RW L 24 SB Onramp from Casidy St,18
945,45,27,45,28,45
T RW L 25 SB Off Ramp to Cassidy St,19
945,45,27,45,28,45
T RW L 29 SB On Loop from Oceanside,20
945,25,27,25,28,25
T RW L 30 SB Off Ramp to Oceanside,21
945,45,27,45,28,45
T RW L 21 SB Off Loop to SR78,22
1890,25,54,25,56,25
T RW L 22 SB On Ramp from SR78,23
1890,45,54,45,56,45
L I-5 Seg 19NB Truck,1
Y,97393.18,12478.17,9.2, Sta.832
N,97340.87,12563.93,12.5, Sta.833
N,97285.97,12648.77,15.5, Sta.834
N,97228.87,12732.35,18.1, Sta.835
N,97171.94,12813.13,20.8, Sta.836
N,97116.61,12896.88,21.9, Sta.837
N,97059.82,12979.59,23, Sta.838
N,97003.27,13063.77,24.3, Sta.839

N,96945.67,13144.06,25.5, Sta.840
N,96889.96,13226.09,26.7, Sta.841
N,96833.55,13308.44,27.1, Sta.842
N,96777.38,13390.45,26, Sta.843
N,96729.03,13463.96,24.9, Sta.843.9
N,96666.52,13557.26,23.5, Sta.845
N,96609.75,13640.16,22.2, Sta.846
L I-5 Seg 19NB Truck- cont,2
N,96609.75,13640.16,22.2, Sta.846
N,96553.42,13723.71,20.5, Sta.847
N,96497.18,13804.88,18.5, Sta.848
N,96440.43,13888.29,16.3, Sta.849
N,96384.49,13970.91,14.2, Sta.850
N,96327.79,14054.12,15, Sta.851
N,96297.57,14098.66,16.3, Sta.851.5
N,96213.89,14220.75,19.8, Sta.853
N,96157.96,14303.43,22.1, Sta.854
L I-5 Seg 19NB Cars,3
Y,97387.2,12474.34,9.3, Sta.832
Y,97334.2,12559.7,12.5, Sta.833
N,97279.65,12644.57,15.6, Sta.834
N,97223.24,12728.07,18.3, Sta.835
N,97166.02,12809.67,20.8, Sta.836
N,97110.23,12892.47,22.1, Sta.837
N,97053.79,12975.39,23.2, Sta.838
N,96996.79,13059.55,24.4, Sta.839
N,96939.57,13139.58,25.6, Sta.840
N,96884.62,13222.73,26.7, Sta.841
N,96827.68,13304.89,27.2, Sta.842
N,96772.18,13387.16,26.1, Sta.843
N,96722.93,13459.99,25.1, Sta.843.9
N,96660.55,13553.26,23.6, Sta.845
N,96604.08,13636.14,22.2, Sta.846
L I-5 Seg 19NB Cars - Cont,4
N,96604.08,13636.14,22.2, Sta.846
N,96547.11,13719.42,20.6, Sta.847
N,96491.18,13800.74,18.6, Sta.848
N,96434.73,13884.82,16.4, Sta.849
N,96378.15,13966.78,14.3, Sta.850
N,96322.2,14050.31,15.2, Sta.851
N,96291.58,14093.73,16.4, Sta.851.5
N,96206.71,14215.57,19.9, Sta.853
N,96152.6,14298.14,22.2, Sta.854
L I-5 Seg 19NB HOV,5
N,97379.75,12470.51,9.4, Sta.832
N,97328.11,12555.76,12.5, Sta.833
N,97272.89,12640.53,15.5, Sta.834
N,97216.27,12723.46,18.3, Sta.835
N,97158.9,12805.03,20.8, Sta.836
N,97103.93,12888.35,22.2, Sta.837
N,97047.1,12970.92,23.3, Sta.838
N,96990.91,13055.18,24.5, Sta.839
N,96933.08,13136.74,25.8, Sta.840
N,96878.81,13218.76,26.7, Sta.841
N,96822.08,13300.75,27.2, Sta.842
N,96765.78,13383.32,26.3, Sta.843

N,96716.58,13455.73,25.2, Sta.843.9
N,96653.79,13549.22,23.7, Sta.845
N,96597.09,13632.1,22.2, Sta.846
L I-5 Seg 19NB HOV - cont,6
N,96597.09,13632.1,22.2, Sta.846
N,96540.2,13714.15,20.7, Sta.847
N,96483.66,13796.7,18.7, Sta.848
N,96427.99,13879.11,16.4, Sta.849
N,96371.79,13962.23,14.4, Sta.850
N,96315.06,14045.49,15.3, Sta.851
N,96284.94,14090.19,16.5, Sta.851.5
N,96201.28,14212.34,20, Sta.853
N,96145.97,14293.34,22.4, Sta.854
L 23 NB On Ramp from Vista Way SR 78,7
Y,97607.32,12829.44,5.2,831+05
Y,97525.45,12781.95,7,832+00
Y,97438.64,12733.60,11.2,833+00
N,97381.73,12719.04,13.7,833+60
N,97323.05,12721.45,15.8,834+20
N,97285.43,12732.17,17,834+60
N,97234.28,12761.44,18.7,835+20
N,97181.14,12819.67,20.2,836+00
N,97123.13,12901.16,21.8,837+00
N,97065.95,12982.93,23.1,838+00
L 20 NB Off Loop to WB SR78,8,
N,97398.43,12476.75,9,L20.831+95
N,97369.22,12534.28,11.1,L20.833+00
N,97324.46,12623.74,14.8,L20.834+00
N,97303.07,12668.47,15.9,L20.834+50
N,97309.30,12695.36,16.2,L20.834+80
Y,97331.70,12707.37,16.5,L20.835+10
Y,97361.17,12698.12,17,L20.835+40
Y,97368.65,12663.43,18.3,L20.835+78
L 27 NB Off Loop to Oceanside Blvd,9
N,96404.70,13965.54,14.3,849+05
N,96348.06,14065.98,14.6,851+00
N,96299.00,14153.19,16.5,852+00
N,96273.30,14205.85,15.9,852+60
Y,96284.92,14237.06,14.4,853+00
Y,96319.16,14240.23,12.1,853+40
N,96353.63,14195.00,9.1,854+00
Y,96376.20,14162.45,8.1,853+60
L 28 NB On Ramp from Oceanside Blvd,10
Y,96375.81,14183.67,8.5,851+60
Y,96328.82,14249.77,12,852+40
Y,96277.35,14281.85,16,853+00
N,96188.02,14325.35,21,854+00
N,96142.90,14363.33,22.8,854+60
N,96094.61,14426.86,24.6,855+40
N,96059.65,14475.74,26.1,865+00
N,96002.22,14556.06,28.8,857+00
L 26 NB onramp from California St,11
N,96750.88,13495.93,32.3,844+00
N,96696.65,13554.69,26.9,844+80
N,96647.57,13617.92,22.6,845+60
N,96588.98,13698.74,20.8,846+60

N,96510.06,13812.94,18.25,848+00
L I-5 Seg 19SB Truck,12
N,96511.6,13693.4,20.5, Sta.847
N,96567.9,13611.35,22, Sta.846
N,96625.24,13529.63,23.5, Sta.845
N,96689.44,13437.15,24.8, Sta.844
N,96738.45,13365.4,26, Sta.843
N,96794.48,13282.15,26.5, Sta.842
N,96849.05,13198.73,26.5, Sta.841
N,96905.18,13116.17,25.4, Sta.840
N,96961.58,13034.99,24.5, Sta.839
N,97016.94,12951.08,23.3, Sta.838
N,97075.03,12869.26,22, Sta.837
N,97130.72,12786.87,20.5, Sta.836
N,97186.1,12703.44,18, Sta.835
Y,97241.86,12621.55,15.2, Sta.834
N,97298.15,12536.88,12.3, Sta.833
N,97349.72,12451.77,9, Sta.832
L I-5 Seg 19SB Truck, cont,13
N,96120.73,14276.24,22, Sta.854
Y,96175.07,14193.32,19.5, Sta.853
N,96258.91,14069.9,16.3, Sta.852
N,96288.65,14027.9,15.1, Sta.851
N,96341.28,13942.94,14.2, Sta.850
N,96397.61,13860.8,16.2, Sta.849
N,96454.79,13777.89,18.4, Sta.848
N,96510.83,13694.86,20.5, Sta.847
L I-5 Seg 19SB Cars,14
N,96519.17,13699.85,20.6, Sta.847
N,96575.32,13615.98,22.3, Sta.846
N,96632.57,13534.62,23.6, Sta.845
N,96696.2,13441.82,25, Sta.844
N,96745.34,13370.03,26, Sta.843
N,96802.3,13287,27.3, Sta.842
N,96857.08,13204.46,26.7, Sta.841
N,96912.18,13121.45,25.5, Sta.840
N,96969.41,13039.5,24.3, Sta.839
N,97024.86,12955.75,23.4, Sta.838
N,97081.97,12873.51,22, Sta.837
N,97137.96,12791.81,20.8, Sta.836
N,97193.32,12707.9,18.3, Sta.835
N,97249.44,12626.09,15.3, Sta.834
N,97305.79,12541.26,12.4, Sta.833
N,97357.58,12456.6,9.3, Sta.832
L I-5 Seg 19SB Cars,15
N,96126.34,14280.01,22.3, Sta.854
Y,96180.84,14197.12,19.9, Sta.853
N,96265.5,14075.01,16.4, Sta.852
N,96294.66,14032.11,15.2, Sta.851
N,96348.21,13948.06,14.3, Sta.850
N,96405,13865.01,16.3, Sta.849
N,96461.4,13782.16,18.2, Sta.848
N,96518.51,13699.95,20.6, Sta.847
L I-5 Seg 19SB HOV,16
N,96527.05,13705.21,20.8, Sta.847
N,96583.32,13622.5,22.3, Sta.846

N,96640.42,13539.84,23.7, Sta.845
N,96703.73,13446.98,25.2, Sta.844
N,96752.62,13374.7,26.2, Sta.843
N,96808.88,13291.58,27.3, Sta.842
N,96865.19,13209.3,28.8, Sta.841
N,96920.56,13127.37,25.7, Sta.840
N,96977.1,13045.33,24.5, Sta.839
N,97033.3,12961.36,23.2, Sta.838
N,97090.29,12879.22,22.2, Sta.837
N,97145.23,12796.07,20.8, Sta.836
N,97202.24,12714.23,18.4, Sta.835
N,97258.23,12631.37,15.5, Sta.834
N,97313.12,12546.46,12.4, Sta.833
N,97366.03,12461.85,9.4, Sta.832
L I-5 Seg 19SB HOV,17
N,96131.72,14284.35,22.4, Sta.854
N,96188.01,14201.05,20, Sta.853
N,96271.61,14079.71,16.5, Sta.852
N,96301.14,14036.08,15.3, Sta.851
N,96356.68,13952.69,14.4, Sta.850
N,96413.15,13870.85,16.5, Sta.849
N,96469.42,13788.27,18.7, Sta.848
N,96526.75,13705.38,20.8, Sta.847
L 24 SB Onramp from Casidy St,18,
N,96937.10,12858.93,22,838+30
N,96984.26,12870.57,23.5,837+80
Y,97043.44,12864.84,22.4,837+20
N,97076.76,12844.60,21.2,836+80
Y,97123.55,12780.24,20.3,836+00
Y,97181.86,12698.01,18,835+00
L 25 SB Off Ramp to Cassidy St,19
N,96866.53,13163.04,26,840+60
N,96896.50,13109.94,25,840+00
N,96945.62,13022.83,23.8,839+00
N,96970.69,12969.29,24.1,838+40
N,96963.60,12911.48,23.8,837+80
N,96933.92,12864.88,22,837+20
L 29 SB On Loop from Oceanside,20
Y,96179.70,14019.11,7,854+60
Y,96145.42,14068.75,9.4,854+00
Y,96123.89,14099.93,12.8,853+60
Y,96131.32,14133.01,15.2,853+20
N,96161.41,14146.27,17,852+80
N,96190.32,14128.71,17.5,852+40
N,96215.44,14097.72,17,852+00
N,96275.52,14017.56,14.7,851+00
N,96331.69,13934.88,14.3,850+00
L 30 SB Off Ramp to Oceanside,21
N,95994.68,14435.25,26.75,856+00
N,96045.27,14345.22,23.5,855+00
N,96071.65,14291.71,21.8,854+40
Y,96087.22,14234.24,19.1,853+80
Y,96092.19,14154.20,14.7,853+00
Y,96109.35,14094.54,11.2,852+40
Y,96166.79,14008.71,7.1,851+55
L 21 SB Off Loop to SR78,22,

N,97264.43,12581.35,13.8,L21.833+55
N,97289.75,12532.25,11.9,L21.833+00
N,97326.47,12461.05,10.2,L21.832+20
N,97329.19,12425.62,10.8,L21.831+80
N,97302.15,12402.33,12.4,L21.831+40
N,97267.78,12410.80,15,L21.831+00
N,97251.95,12443.86,16.1,L21.830+60
N,97240.46,12537.67,22.9,L21.829+72
L 22 SB On Ramp from SR78,23
Y,97229.844,12522.4169,22.9,L22.833+72
Y,97238.2972,12451.1263,19,L22.833+00
Y,97252.2999,12412.4388,15.8,L22.832+60
Y,97288.8176,12390.1413,12.7,L22.832+20
N,97347.4513,12389.3489,8.4,L22.831+60
N,97383.0282,12376.2073,6.8,L22.831.20
N,97408.2504,12347.0079,6.4,L22.830+80
N,97451.421,12279.5106,6.4,L22.830+00
Barrier 1 Soundwall S836 NB ,1,2,0,0
97199.4929,12805.6581,25.57,29.87, 835.8N
97154.9079,12868.0187,26.11,30.41, 836.55N
97139.3009,12914.0934,27.1,31.4, 837N
97135.4163,12951.6741,28,32.3, 837.4N
97123.2963,12976.8264,29.29,33.59, 837.6N
Barrier 2 Soundwall S840 NB,2,2,0,0
97102.23,12989.42,29.75,31.55, 837.8N
97106.84,12997.13,29.1,30.9, 837.85N
97045.41,13061.34,28.1,29.9, 838.8N
97045.41,13061.34,28.1,32.98, 838.8N
97015.19,13103.57,28,32.88, 839.25N
96992.14,13139.6,28.18,33.06, 839.7N
96953.1,13160.26,27.47,32.35, 840.1N
96937.4,13174.82,27.59,32.47, 840.3N
96813.93,13356.53,29.73,34.61, 842.5N
96792.86,13394.74,30.7,35.58, 843N
Barrier 3 Soundwall S840 NB,3,2,0,0
96792.86,13394.74,30.7,33.75, 843N
96772.32,13452.21,32,35.05, 843.5N
96759.16,13471.96,32.7,35.75, 843.7N
96749.9,13468.1,32.95,36, 843.8N
Barrier 4 Soundwall S846 NB ROW from California St,4,2,0,0
96760.66,13505.4,32.1,35.8, 844N
96700.85,13581.51,32.5,36.2, 845N
96700.85,13581.51,32.5,35.55, 845N
96642.09,13661.91,33.5,36.55, 846N
96586.54,13743.85,33.5,36.55, 847N
96551.69,13793.23,34,37.05, 847.6N
Barrier 5 Soundwall S846 NB ROW from California St,5,2,0,0
96551.69,13793.23,34,36.4, 847.6N
96543.62,13825.99,34,36.4, 847.9N
96528.1,13848.35,33.1,35.5, 848.2N
96514.55,13856.18,33,35.4, 848.35N
96509.05,13860.37,33,35.4, 848.4N
96500.71,13873.41,32.2,34.6, 848.55N
Barrier 6 Terrain Line ROW NB,6,2,0,0
97508.12,12812.81,20.5,20.5, 832N
97469.07,12788.46,20.1,20.1, 832.5N

97396.53,12755.84,23.5,23.5, 833.3N
97390.48,12743.98,22,22, 833.4N
97327.46,12747,24,24, 834.2N
97258.47,12764.87,25,25, 835N
97214.04,12789.08,24.5,24.5, 835.5N
97199.4929,12805.6581,25.57,25.57, 835.8N
Barrier 7 Terrain Line 1 NB,7,2,0,0
97082.47,12962.86,30.75,30.75, 837.75NT
97139.2,13003.99,25.77,25.77, 837.75NT
Barrier 8 Terrain Line 2 NB,8,2,0,0
96731.8433,13463.12,32.89,32.89, 843.9NT
96803.9164,13513.8687,33.5,33.5, 843.9NT
Barrier 9 Terrain Line 3 NB,9,2,0,0
96546.5783,13800.7256,34,34, 847.6NT
96541.3806,13869.2326,34,34, 848.2NT
Barrier 10 Terrain Line 4 NB,10,2,0,0
96496.56,13872.81,30,30, 848.6NT
96548.35,13920.41,36,36, 848.75NT
Barrier 11 Center Divider,11,2,0,0
97372.89,12466.18,9.5,10.5, 832C
97320.41,12551.29,12.5,13.5, 833C
97265.74,12636.05,15.5,16.5, 834C
97209.21,12719.03,18.4,19.4, 835C
97153.27,12801.05,20.8,21.8, 836C
97096.34,12883.5,22.2,23.2, 837C
97040.21,12966.18,23.3,24.3, 838C
96983.16,13049.79,24.5,25.5, 839C
96928.02,13131.5,25.7,26.7, 840C
96872.52,13213.88,26.8,27.8, 841C
Barrier 12 Center Divider - continued,12,2,0,0
96872.52,13213.88,26.8,27.8, 841C
96816.22,13296.34,27.3,28.3, 842C
96759.7,13378.68,26.3,27.3, 843C
96709.9,13451.56,25.2,26.2, 843.9C
96646.41,13544.44,25.7,26.7, 845C
96590.37,13627.16,22.3,23.3, 846C
96532.86,13709.63,18.7,19.7, 847C
96477.71,13792.36,16.5,17.5, 848C
96421.28,13874.68,14.5,15.5, 849C
96364.45,13957.94,15.3,16.3, 850C
Barrier 13 Center Divider - continued,13,2,0,0
96364.45,13957.94,15.3,16.3, 850C
96308,14040.54,16.5,17.5, 851C
96278.04,14084.69,16.5,17.5, 851.5C
96194.56,14205.91,20,21, 853C
96138.88,14289.01,22.4,23.4, 854C
Barrier 14 Building NB,14,2,0,0
96566.0991,13774.9882,35.8,45.8, 847.3NB
96608.1107,13803.4048,35.8,45.8, 847.3NB
Barrier 15 Building NB,15,2,0,0
96546.57,13800.72,34,34, 847.6NB
96541.38,13869.23,34,34, 848.2NB
Barrier 16 Terrain Line road NB,16,2,0,0
97123.2963,12976.8264,29.29,29.29, 837.6N
97102.23,12989.42,29.75,29.75, 837.8N
Barrier 17 Terrain Line road NB,17,2,0,0

96749.9,13468.1,32.95,32.95, 843.8N
96760.66,13505.4,32.1,32.1, 844N
Barrier 18 Building NB,18,2,0,0
97204.47,12827.48,25.8,32.8, 836NB
97215.19,12835.74,25.8,32.8, 836NB
Barrier 19 Building NB,19,2,0,0
97282.5,12778.7,25.77,30.77, 835N
97261.8,12788.7,25.67,30.67, 835.2N
97285.5,12805.1,25.88,30.88, 835.3N
R 19.1,1,55,2
97199.68,12844.43,27.8,R19.1
R 19.2,2,55,2
97176.33,12863.93,27.5,LT19.1
R 19.3,3,55,1
97168.74,12907.99,29,R19.3
R 19.4,4,55,3
97182.54,12924.05,30,R19.4
R 19.5,5,55,3
97112.59,13027.49,29.86,R19.5
R 19.6,6,55,3
97077.59,13050.29,29.5,ST19.1
R 19.7,7,55,8
96925.44,13217.76,30.7,LT19.3
R 19.8,8,55,4
96862.04,13309.12,31.5,R19.8
R 19.9,9,55,4
96815.57,13382.68,31.5,ST19.3/CAL
R 19.10,10,55,1
96802.94,13450.48,33.5,R19.10
R 19.11,11,55,1
96807.35,13474.65,34,R19.11
R 19.12,12,55,1
96752.32,13527.9,34.7,R19.12
R 19.13,13,55,2
96771.86,13548.07,34,R19.13
R 19.14,14,55,2
96733.5,13559.81,34.6,R19.14
R 19.15,15,55,7
96671.3,13637.84,35.2,LT19.6
R 19.16,16,55,3
96582.72,13761.33,36.9,R19.16
R 19.17,17,55,2
96561.16,13823.67,35.5,ST19.4/CAL
R 19.18,18,55,2
96515.81,13862.69,35.5,R19.18
R 19.6A,19,55,2
97028.03,13138.15,30.9,R19.6A
R 19.5A,20,55,2
97108,13068,30,R19.5A
R 19.1A,21,55,2
97276.5,12789.9,27.3,R19.1A
D,4.5
ALL, ALL
K,0,
All,All,
K,-5

All,11,13,20

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGMENT 19 NORTH BOUND VISTA WAY (SR 78) TO OCEANSIDE NB ONLY - DESIGN -

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	14.*							835.8N	251.5	
2	-	14.*							836.55N	159.7	
3	-	14.*							837N	124.0	
4	-	14.*							837.4N	91.7	
5	-	6.*							837.8N	29.5	
6	-	6.*							837.85N	291.6	
7	-	11.*							838.8N	10.1	
8	-	16.*							838.8N	170.4	
9	-	16.*							839.25N	140.3	
10	-	16.*							839.7N	145.0	
11	-	16.*							840.1N	70.3	
12	-	16.*							840.3N	720.8	
13	-	16.*							842.5N	143.2	
14	-	10.*							843N	200.2	
15	-	10.*							843.5N	77.9	
16	-	10.*							843.7N	32.9	
17	-	12.*							844N	317.6	
18	-	11.*							845N	2.2	
19	-	10.*							845N	326.7	
20	-	10.*							846N	324.8	
21	-	10.*							847N	198.3	
22	-	8.*							847.6N	110.7	
23	-	8.*							847.9N	89.3	
24	-	8.*							848.2N	51.3	
25	-	8.*							848.35N	22.8	
26	-	8.*							848.4N	50.7	
27	-	0.*							832N	151.0	
28	-	0.*							832.5N	261.2	
29	-	0.*							833.3N	43.9	
30	-	0.*							833.4N	207.1	
31	-	0.*							834.2N	233.8	
32	-	0.*							835N	166.0	
33	-	0.*							835.5N	72.4	
34	-	0.*							837.75N	230.5	
35	-	0.*							843.9NT	289.2	

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36    -  0.*                    847.6NT   225.3

37    -  0.*                    848.6NT   231.6

38    -  3.*                    832C      328.3
39    -  3.*                    833C      331.1
40    -  3.*                    834C      329.5
41    -  3.*                    835C      325.9
42    -  3.*                    836C      328.8
43    -  3.*                    837C      327.9
44    -  3.*                    838C      332.1
45    -  3.*                    839C      323.4
46    -  3.*                    840C      325.9

47    -  3.*                    841C      327.6
48    -  3.*                    842C      327.6
49    -  3.*                    843C      289.6
50    -  3.*                    843.9C    369.1
51    -  3.*                    845C      328.0
52    -  3.*                    846C      330.1
53    -  3.*                    847C      326.3
54    -  3.*                    848C      327.5
55    -  3.*                    849C      330.8

56    -  3.*                    850C      328.3
57    -  3.*                    851C      175.0
58    -  3.*                    851.5C    483.0
59    -  3.*                    853C      328.3

60    - 33.*                     847.3NB   166.4

61    -  0.*                    847.6NB   225.3

62    -  0.*                    837.6N     80.5

63    -  0.*                    843.8N    127.4

64    - 23.*                     836NB      44.4

65    - 16.*                     835N       75.4
66    - 16.*                     835.2N     94.5
-------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
---------------------------------
 1  R19.1     67.    500.   69.1
 2  LT19.1    67.    500.   68.2
 3  R19.3     67.    500.   67.9
 4  R19.4     67.    500.   67.3
 5  R19.5     67.    500.   70.4
 6  ST19.1    67.    500.   71.2
 7  LT19.3    67.    500.   69.9
 8  R19.8     67.    500.   69.2
 9  ST19.3/C  67.    500.   67.8
```

10 R19.10 67. 500. 68.9
11 R19.11 67. 500. 63.4
12 R19.12 67. 500. 68.9
13 R19.13 67. 500. 60.6
14 R19.14 67. 500. 68.1
15 LT19.6 67. 500. 69.1
16 R19.16 67. 500. 71.7
17 ST19.4/C 67. 500. 66.1
18 R19.18 67. 500. 72.4
19 R19.6A 67. 500. 68.2
20 R19.5A 67. 500. 63.4
21 R19.1A 67. 500. 62.6
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
14.14.14.14. 6. 6.11.16.16.16.16.16.16.10.10.10.12.11.10.10.10. 8. 8. 8. 8.
8. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
3. 3. 3. 3. 3. 3. 3. 3. 3.33. 0. 0. 0.23.16.16.

Roadway Segment 19 South Bound Vista Way (SR 78) to Oceanside SB only - Design - R19.19-R19.40
T RW Seg 19NB Truck,1
4690,65,186,65,524,65
T RW Seg 19NB Truck,2
4690,65,186,65,524,65
T RW Seg 19NB Car,3
5214,65,186,65,0,0
T RW Seg 19NB Car,4
5214,65,186,65,0,0
T RW Seg 19NB HOV,5
3000,65,0,0,0,0
T RW Seg 19NB HOV,6
3000,65,0,0,0,0
T RW L 23 NB On Ramp from Vista Way SR 78,7
1890,45,54,45,56,45
T RW L 20 NB Off Loop to WB SR78,8
945,25,27,25,28,25
T RW L 27 NB Off Loop to Oceanside Blvd,9
1890,25,54,25,56,25
T RW L 28 NB On Ramp from Oceanside Blvd,10
945,45,27,45,28,45
T RW L 26 NB onramp from California St,11
973,45,17,45,10,45
T RW Seg 19SB Truck,12
4690,65,186,65,524,65
T RW Seg 19SB Truck,13
4690,65,186,65,524,65
T RW Seg 19SB Car,14
5214,65,186,65,0,0
T RW Seg 19SB Car,15
5214,65,186,65,0,0
T RW Seg 19SB HOV,16
3000,65,0,0,0,0
T RW Seg 19SB HOV,17
3000,65,0,0,0,0
T RW L 24 SB Onramp from Casidy St,18
945,45,27,45,28,45
T RW L 25 SB Off Ramp to Cassidy St,19
945,45,27,45,28,45
T RW L 29 SB On Loop from Oceanside,20
945,25,27,25,28,25
T RW L 30 SB Off Ramp to Oceanside,21
945,45,27,45,28,45
T RW L 21 SB Off Loop to SR78,22
1890,25,54,25,56,25
T RW L 22 SB On Ramp from SR78,23
1890,45,54,45,56,45
L I-5 Seg 19NB Truck,1
Y,97393.18,12478.17,9.2, Sta.832
N,97340.87,12563.93,12.5, Sta.833
N,97285.97,12648.77,15.5, Sta.834
N,97228.87,12732.35,18.1, Sta.835
N,97171.94,12813.13,20.8, Sta.836
N,97116.61,12896.88,21.9, Sta.837
N,97059.82,12979.59,23, Sta.838

N,97003.27,13063.77,24.3, Sta.839
N,96945.67,13144.06,25.5, Sta.840
N,96889.96,13226.09,26.7, Sta.841
N,96833.55,13308.44,27.1, Sta.842
N,96777.38,13390.45,26, Sta.843
N,96729.03,13463.96,24.9, Sta.843.9
N,96666.52,13557.26,23.5, Sta.845
N,96609.75,13640.16,22.2, Sta.846
L I-5 Seg 19NB Truck- cont,2
N,96609.75,13640.16,22.2, Sta.846
N,96553.42,13723.71,20.5, Sta.847
N,96497.18,13804.88,18.5, Sta.848
N,96440.43,13888.29,16.3, Sta.849
N,96384.49,13970.91,14.2, Sta.850
N,96327.79,14054.12,15, Sta.851
N,96297.57,14098.66,16.3, Sta.851.5
N,96213.89,14220.75,19.8, Sta.853
N,96157.96,14303.43,22.1, Sta.854
L I-5 Seg 19NB Cars,3
Y,97387.2,12474.34,9.3, Sta.832
Y,97334.2,12559.7,12.5, Sta.833
N,97279.65,12644.57,15.6, Sta.834
N,97223.24,12728.07,18.3, Sta.835
N,97166.02,12809.67,20.8, Sta.836
N,97110.23,12892.47,22.1, Sta.837
N,97053.79,12975.39,23.2, Sta.838
N,96996.79,13059.55,24.4, Sta.839
N,96939.57,13139.58,25.6, Sta.840
N,96884.62,13222.73,26.7, Sta.841
N,96827.68,13304.89,27.2, Sta.842
N,96772.18,13387.16,26.1, Sta.843
N,96722.93,13459.99,25.1, Sta.843.9
N,96660.55,13553.26,23.6, Sta.845
N,96604.08,13636.14,22.2, Sta.846
L I-5 Seg 19NB Cars - Cont,4
N,96604.08,13636.14,22.2, Sta.846
N,96547.11,13719.42,20.6, Sta.847
N,96491.18,13800.74,18.6, Sta.848
N,96434.73,13884.82,16.4, Sta.849
N,96378.15,13966.78,14.3, Sta.850
N,96322.2,14050.31,15.2, Sta.851
N,96291.58,14093.73,16.4, Sta.851.5
N,96206.71,14215.57,19.9, Sta.853
N,96152.6,14298.14,22.2, Sta.854
L I-5 Seg 19NB HOV,5
N,97379.75,12470.51,9.4, Sta.832
N,97328.11,12555.76,12.5, Sta.833
N,97272.89,12640.53,15.5, Sta.834
N,97216.27,12723.46,18.3, Sta.835
N,97158.9,12805.03,20.8, Sta.836
N,97103.93,12888.35,22.2, Sta.837
N,97047.1,12970.92,23.3, Sta.838
N,96990.91,13055.18,24.5, Sta.839
N,96933.08,13136.74,25.8, Sta.840
N,96878.81,13218.76,26.7, Sta.841
N,96822.08,13300.75,27.2, Sta.842

N,96765.78,13383.32,26.3, Sta.843
N,96716.58,13455.73,25.2, Sta.843.9
N,96653.79,13549.22,23.7, Sta.845
N,96597.09,13632.1,22.2, Sta.846
L I-5 Seg 19NB HOV - cont,6
N,96597.09,13632.1,22.2, Sta.846
N,96540.2,13714.15,20.7, Sta.847
N,96483.66,13796.7,18.7, Sta.848
N,96427.99,13879.11,16.4, Sta.849
N,96371.79,13962.23,14.4, Sta.850
N,96315.06,14045.49,15.3, Sta.851
N,96284.94,14090.19,16.5, Sta.851.5
N,96201.28,14212.34,20, Sta.853
N,96145.97,14293.34,22.4, Sta.854
L 23 NB On Ramp from Vista Way SR 78,7
Y,97607.32,12829.44,5.2,831+05
Y,97525.45,12781.95,7,832+00
Y,97438.64,12733.6,11.2,833+00
N,97381.73,12719.04,13.7,833+60
N,97323.05,12721.45,15.8,834+20
N,97285.43,12732.17,17,834+60
N,97234.28,12761.44,18.7,835+20
N,97181.14,12819.67,20.2,836+00
N,97123.13,12901.16,21.8,837+00
N,97065.95,12982.93,23.1,838+00
L 20 NB Off Loop to WB SR78,8,
N,97398.43,12476.75,9,L20.831+95
N,97369.22,12534.28,11.1,L20.833+00
N,97324.46,12623.74,14.8,L20.834+00
N,97303.07,12668.47,15.9,L20.834+50
N,97309.3,12695.36,16.2,L20.834+80
Y,97331.7,12707.37,16.5,L20.835+10
Y,97361.17,12698.12,17,L20.835+40
Y,97368.65,12663.43,18.3,L20.835+78
L 27 NB Off Loop to Oceanside Blvd,9
N,96404.7,13965.54,14.3,849+05
N,96348.06,14065.98,14.6,851+00
N,96299,14153.19,16.5,852+00
N,96273.3,14205.85,15.9,852+60
Y,96284.92,14237.06,14.4,853+00
Y,96319.16,14240.23,12.1,853+40
N,96353.63,14195,9.1,854+00
Y,96376.2,14162.45,8.1,853+60
L 28 NB On Ramp from Oceanside Blvd,10
Y,96375.81,14183.67,8.5,851+60
Y,96328.82,14249.77,12,852+40
Y,96277.35,14281.85,16,853+00
N,96188.02,14325.35,21,854+00
N,96142.9,14363.33,22.8,854+60
N,96094.61,14426.86,24.6,855+40
N,96059.65,14475.74,26.1,865+00
N,96002.22,14556.06,28.8,857+00
L 26 NB onramp from California St,11
N,96750.88,13495.93,32.3,844+00
N,96696.65,13554.69,26.9,844+80
N,96647.57,13617.92,22.6,845+60

N,96588.98,13698.74,20.8,846+60
N,96510.06,13812.94,18.25,848+00
L I-5 Seg 19SB Truck,12
N,96511.6,13693.4,20.5, Sta.847
N,96567.9,13611.35,22, Sta.846
N,96625.24,13529.63,23.5, Sta.845
N,96689.44,13437.15,24.8, Sta.844
N,96738.45,13365.4,26, Sta.843
N,96794.48,13282.15,26.5, Sta.842
N,96849.05,13198.73,26.5, Sta.841
N,96905.18,13116.17,25.4, Sta.840
N,96961.58,13034.99,24.5, Sta.839
N,97016.94,12951.08,23.3, Sta.838
N,97075.03,12869.26,22, Sta.837
N,97130.72,12786.87,20.5, Sta.836
N,97186.1,12703.44,18, Sta.835
Y,97241.86,12621.55,15.2, Sta.834
N,97298.15,12536.88,12.3, Sta.833
N,97349.72,12451.77,9, Sta.832
L I-5 Seg 19SB Truck, cont,13
N,96120.73,14276.24,22, Sta.854
Y,96175.07,14193.32,19.5, Sta.853
N,96258.91,14069.9,16.3, Sta.852
N,96288.65,14027.9,15.1, Sta.851
N,96341.28,13942.94,14.2, Sta.850
N,96397.61,13860.8,16.2, Sta.849
N,96454.79,13777.89,18.4, Sta.848
N,96510.83,13694.86,20.5, Sta.847
L I-5 Seg 19SB Cars,14
N,96519.17,13699.85,20.6, Sta.847
N,96575.32,13615.98,22.3, Sta.846
N,96632.57,13534.62,23.6, Sta.845
N,96696.2,13441.82,25, Sta.844
N,96745.34,13370.03,26, Sta.843
N,96802.3,13287,27.3, Sta.842
N,96857.08,13204.46,26.7, Sta.841
N,96912.18,13121.45,25.5, Sta.840
N,96969.41,13039.5,24.3, Sta.839
N,97024.86,12955.75,23.4, Sta.838
N,97081.97,12873.51,22, Sta.837
N,97137.96,12791.81,20.8, Sta.836
N,97193.32,12707.9,18.3, Sta.835
N,97249.44,12626.09,15.3, Sta.834
N,97305.79,12541.26,12.4, Sta.833
N,97357.58,12456.6,9.3, Sta.832
L I-5 Seg 19SB Cars,15
N,96126.34,14280.01,22.3, Sta.854
Y,96180.84,14197.12,19.9, Sta.853
N,96265.5,14075.01,16.4, Sta.852
N,96294.66,14032.11,15.2, Sta.851
N,96348.21,13948.06,14.3, Sta.850
N,96405,13865.01,16.3, Sta.849
N,96461.4,13782.16,18.2, Sta.848
N,96518.51,13699.95,20.6, Sta.847
L I-5 Seg 19SB HOV,16
N,96527.05,13705.21,20.8, Sta.847

N,96583.32,13622.5,22.3, Sta.846
N,96640.42,13539.84,23.7, Sta.845
N,96703.73,13446.98,25.2, Sta.844
N,96752.62,13374.7,26.2, Sta.843
N,96808.88,13291.58,27.3, Sta.842
N,96865.19,13209.3,28.8, Sta.841
N,96920.56,13127.37,25.7, Sta.840
N,96977.1,13045.33,24.5, Sta.839
N,97033.3,12961.36,23.2, Sta.838
N,97090.29,12879.22,22.2, Sta.837
N,97145.23,12796.07,20.8, Sta.836
N,97202.24,12714.23,18.4, Sta.835
N,97258.23,12631.37,15.5, Sta.834
N,97313.12,12546.46,12.4, Sta.833
N,97366.03,12461.85,9.4, Sta.832
L I-5 Seg 19SB HOV,17
N,96131.72,14284.35,22.4, Sta.854
N,96188.01,14201.05,20, Sta.853
N,96271.61,14079.71,16.5, Sta.852
N,96301.14,14036.08,15.3, Sta.851
N,96356.68,13952.69,14.4, Sta.850
N,96413.15,13870.85,16.5, Sta.849
N,96469.42,13788.27,18.7, Sta.848
N,96526.75,13705.38,20.8, Sta.847
L 24 SB Onramp from Casidy St,18
N,96937.1,12858.93,22,838+30
N,96984.26,12870.57,23.5,837+80
Y,97043.44,12864.84,22.4,837+20
N,97076.76,12844.6,21.2,836+80
Y,97123.55,12780.24,20.3,836+00
Y,97181.86,12698.01,18,835+00
L 25 SB Off Ramp to Cassidy St,19
N,96866.53,13163.04,26,840+60
N,96896.5,13109.94,25,840+00
N,96945.62,13022.83,23.8,839+00
N,96970.69,12969.29,24.1,838+40
N,96963.6,12911.48,23.8,837+80
N,96933.92,12864.88,22,837+20
L 29 SB On Loop from Oceanside,20,
Y,96179.7,14019.11,7,854+60
Y,96145.42,14068.75,9.4,854+00
Y,96123.89,14099.93,12.8,853+60
Y,96131.32,14133.01,15.2,853+20
N,96161.41,14146.27,17,852+80
N,96190.32,14128.71,17.5,852+40
N,96215.44,14097.72,17,852+00
N,96275.52,14017.56,14.7,851+00
N,96331.69,13934.88,14.3,850+00
L 30 SB Off Ramp to Oceanside,21
N,95994.68,14435.25,26.75,856+00
N,96045.27,14345.22,23.5,855+00
N,96071.65,14291.71,21.8,854+40
Y,96087.22,14234.24,19.1,853+80
Y,96092.19,14154.2,14.7,853+00
Y,96109.35,14094.54,11.2,852+40
Y,96166.79,14008.71,7.1,851+55

L 21 SB Off Loop to SR78,22,
N,97264.43,12581.35,13.8,L21.833+55
N,97289.75,12532.25,11.9,L21.833+00
N,97326.47,12461.05,10.2,L21.832+20
N,97329.19,12425.62,10.8,L21.831+80
N,97302.15,12402.33,12.4,L21.831+40
N,97267.78,12410.8,15,L21.831+00
N,97251.95,12443.86,16.1,L21.830+60
N,97240.46,12537.67,22.9,L21.829+72
L 22 SB On Ramp from SR78,23
Y,97229.844,12522.4169,22.9,L22.833+72
Y,97238.2972,12451.1263,19,L22.833+00
Y,97252.2999,12412.4388,15.8,L22.832+60
Y,97288.8176,12390.1413,12.7,L22.832+20
N,97347.4513,12389.3489,8.4,L22.831+60
N,97383.0282,12376.2073,6.8,L22.831.20
N,97408.2504,12347.0079,6.4,L22.830+80
N,97451.421,12279.5106,6.4,L22.830+00
Barrier 1 Property Wall SB N of Vista Way,1,2,0,0
97188.87,12668.04,23.3,26.35, 834.75S
97137.2,12742.83,23.9,26.95, 835.6S
97142.59,12745.76,19.5,22.55,835+60
97142.59,12745.76,19.5,24.4,835+60
97085.13,12826.53,21.2,26.1,836+60
97073.13,12841.54,21.2,26.1,836+80
97057.55,12853.61,21.4,26.3,837+00
97057.55,12853.61,21.4,25.7,837+00
97022.29,12857.59,23.8,28.1, 837.3S
96976.77,12859.95,22.8,27.1, 837.5S
96930.86,12843.72,22.26,26.56, 837.6S
Barrier 2 Soundwall S841 SB N of Cassidy,2,2,0,0
96900.47,12852.8,21.6,25.9, 837.9S
96933.86,12875.85,21.5,25.8, 837.9S
96952.65,12943.75,23,27.3, 838.2S
96961.89,12979.2,22.8,27.1,838+55
96898.08,13095.23,24.2,28.5,839+90
96890.7,13108.71,24.15,28.45,840+00
96834.58,13188.45,25,29.3, 841S
Barrier 3 Soundwall S841 ROW SB N of Cassidy,3,2,0,0
96834.58,13188.45,25,29.3, 841S
96776.33,13272.77,26.1,30.4, 842S
96767.42,13297.3,26.2,30.5,842+25
96767.42,13297.3,26.2,29.25,842+25
96726.34,13357.67,27.12,30.17,843+00
96686.54,13414.96,27.5,30.55,843+70
96683.21,13419.7,30.55,30.55,843+75
96681.62,13422.03,31.2,31.2,843+78
96673.66,13433.42,31,31,843+95
Barrier 4 Soundwall S845 ROW SB N of California,4,2,0,0
96673.66,13433.42,31,31,843+92
96672.22,13435.44,30.29,30.29,843+95
96671.48,13445.22,27.85,30.29, 844S
96613.87,13521.95,28.72,31.16, 845S
96555.23,13600.7,29.2,31.64, 846S
96496.07,13683.01,29.2,31.64, 847S
96486.59,13698.51,29.66,32.1, 847.2S

96366.4,13625.07,28.2,30.64, 847.2S
Barrier 5 Soundwall S849 ROW SB S of Oceanside,5,2,0,0
96486.71,13698.42,29.66,29.66, 847.2S
96488.24,13702.53,19.7,19.7,847+20
96488.24,13702.53,19.7,23.4,847+20
96442.32,13768.45,18.2,21.9,848+00
96385.64,13849.89,15.9,19.6,849+00
96369.65,13872.92,15.5,19.2,849+28
96369.65,13872.92,15.5,19.8,849+28
96327.97,13932.65,14.1,18.4,850+00
96264.08,14024.46,15,19.3,851+12
Barrier 6 Terrain Line ROW SB N of Oceanside,6,2,0,0
96157.49,14010.9,7.1,7.1,851+63
96103.66,14090.57,11.2,11.2,852+40
96085.96,14152.43,14.7,14.7,853+00
96082.74,14235.49,19.1,19.1,853+80
96041.85,14342.36,23.5,23.5,855+00
Barrier 7 Property Wall SB N of Cassidy,7,2,0,0
96898.08,13095.23,24.2,26.03,839+90
96786.47,13018.11,22.1,23.93, 839.9S
Barrier 8 Cassidy St SB,8,2,0,0
96908.05,12843.61,30,30, 837.75ST
97027.21,12925.41,21.8,21.8, 837.75ST
Barrier 9 California St SB,9,2,0,0
96684.15,13433.29,31.5,31.5, 843.9ST
96564.82,13351.16,23.5,23.5, 843.9ST
Barrier 10 Bridge Berm SB,10,2,0,0
97063.5,12866.27,22.3,22.3, 837ST
97029.25,12916.24,29.7,29.7, 837.7ST
97020.8,12928.27,29.7,29.7, 837.8ST
96976.63,12998.16,24.23,24.23, 838.8ST
Barrier 11 Building SB,11,2,0,0
96725.29,13322.87,26.4,31.9, 842.75SB
96715.64,13340.28,26.4,31.9, 842.9SB
Barrier 12 Building SB,12,2,0,0
96711.54,13344,26.4,31.9, 843SB
96698.1,13358.28,26.4,31.9, 843.15SB
Barrier 13 Building SB,13,2,0,0
96410.83,13770.01,7.7,11.97, 848.2SB
96401.67,13783.43,7.7,11.97, 848.3SB
Barrier 14 Building SB,14,2,0,0
96398.59,13785.99,7.7,11.97, 848.35SB
96390.16,13799.88,7.7,11.97, 848.5SB
Barrier 15 Building SB,15,2,0,0
96915.8,12997.59,22,28.1, 839SB
96906.25,13013.02,22,28.1, 839.2SB
Barrier 16 Terrain Line Road SB,16,2,0,0
96687.83,13426.52,29.4,29.4, 843.8S
96678.6,13437.7,30.9,30.9, 843.9S
Barrier 17 Center Divider,17,2,0,0
97372.89,12466.18,9.5,10.5, 832C
97320.41,12551.29,12.5,13.5, 833C
97265.74,12636.05,15.5,16.5, 834C
97209.21,12719.03,18.4,19.4, 835C
97153.27,12801.05,20.8,21.8, 836C
97096.34,12883.5,22.2,23.2, 837C

97040.21,12966.18,23.3,24.3, 838C
96983.16,13049.79,24.5,25.5, 839C
96928.02,13131.5,25.7,26.7, 840C
96872.52,13213.88,26.8,27.8, 841C
Barrier 18 Center Divider ,18,2,0,0
96872.52,13213.88,26.8,27.8, 841C
96816.22,13296.34,27.3,28.3, 842C
96759.7,13378.68,26.3,27.3, 843C
96709.9,13451.56,25.2,26.2, 843.9C
96646.41,13544.44,25.7,26.7, 845C
96590.37,13627.16,22.3,23.3, 846C
96532.86,13709.63,18.7,19.7, 847C
96477.71,13792.36,16.5,17.5, 848C
96421.28,13874.68,14.5,15.5, 849C
96364.45,13957.94,15.3,16.3, 850C
Barrier 19 Center Divider,19,2,0,0
96364.45,13957.94,15.3,16.3, 850C
96308,14040.54,16.5,17.5, 851C
96278.04,14084.69,16.5,17.5, 851.5C
96194.56,14205.91,20,21, 853C
96138.88,14289.01,22.4,23.4, 854C
Barrier 20 Saftey Barrier,19,2,0,0
96264.08,14024.46,15,15.92,851+12
96209.65,14092.27,17,17.92,852+00
96161.56,14137.26,17,17.92,852+80
R 19.19,1,55,12
96237.45,13982.07,8.1, R19.19
R 19.20,2,55,12
96314.29,13860.49,8.1, R19.20
R 19.21,3,55,4
96391.75,13802.78,9, ST19.5/CAL
R 19.22,4,55,4
96384.19,13773.59,9.5, R19.22
R 19.23,5,55,4
96364.86,13763.3,9.7, R19.23
R 19.24,6,55,3
96429.917,13745.0152,9.72, R19.24
R 19.25,7,55,1
96473.96,13673.77,30.3, R19.25
R 19.26,8,55,4
96512.09,13647.31,30.4, R19.26
R 19.27,9,55,4
96586.18,13546.56,30.2, LT19.5
R 19.28,10,55,4
96634.67,13459.13,28.7, R19.28
R 19.29,11,55,2
96629.74,13422.02,27.7, R19.29
R 19.30,12,55,4
96719.47,13346.47,27.9, R19.30
R 19.31,13,55,2
96753.61,13305.09,27.28,R19.31
R 19.32,14,55,3
96753.38,13238.13,26.5, R19.32
R 19.33,15,55,4
96786.63,13183.38,25.9, R19.33
R 19.34,16,55,4

96843.27,13098.84,25.7, R19.34
R 19.35,17,55,1
96872,13098,24.9, ST19.2/CAL
R 19.36,18,55,2
96872.82,13074.56,25.1, R19.36
R 19.37,19,55,3
96923.5881,13034.5728,25.9, R19.37
R 19.38,20,55,3
96893.55,13007.64,24.7, R19.38
R 19.39,21,55,3
96948.31,12940.59,23.6, R19.39
R 19.40 ,22,55,2
96931.48,12877.55,23.3, R19.40
R19.19A ,23,55,10
96251,13959,8.42, R19.19A
D,4.5
ALL,ALL
K,0
All,All
K,-5,
All,4,5,14,23
K,-11
All,15,16

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGMENT 19 SOUTH BOUND VISTA WAY (SR 78) TO OCEANSIDE SB ONLY - DESIGN - R19.19-R19.40

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BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	10.*							834.75S	298.3	
2	-	10.*							835.6S	24.8	
3	-	13.*							835+60	6.1	
4	-	16.*							835+60	325.2	
5	-	16.*							836+60	63.0	
6	-	16.*							836+80	64.7	
7	-	15.*							837+00	2.0	
8	-	14.*							837+00	116.7	
9	-	14.*							837.3S	149.5	
10	-	14.*							837.5S	159.8	
11	-	14.*							837.9S	133.1	
12	-	14.*							837.9S	231.2	
13	-	14.*							838.2S	120.2	
14	-	14.*							838+55	434.5	
15	-	14.*							839+90	50.4	
16	-	14.*							840+00	319.9	
17	-	14.*							841S	336.3	
18	-	14.*							842S	85.6	
19	-	12.*							842+25	4.1	
20	-	10.*							842+25	239.6	
21	-	10.*							843+00	228.8	
22	-	5.*							843+70	19.1	
23	-	0.*							843+75	9.5	
24	-	0.*							843+78	45.6	
25	-	0.*							843+92	8.4	
26	-	4.*							843+95	32.2	
27	-	8.*							844S	314.9	
28	-	8.*							845S	322.0	
29	-	8.*							846S	332.6	
30	-	8.*							847S	59.6	
31	-	8.*							847.2S	462.2	
32	-	0.*							847.2S	35.7	
33	-	6.*							847+20	12.2	
34	-	12.*							847+20	263.7	
35	-	12.*							848+00	325.6	
36	-	12.*							849+00	92.0	
37	-	13.*							849+28	2.0	
38	-	14.*							849+28	239.1	

39	- 14.*	850+00	367.0
40	- 0.*	851+63	315.7
41	- 0.*	852+40	211.4
42	- 0.*	853+00	273.1
43	- 0.*	853+80	375.7
44	- 6.*	839+90	445.2
45	- 0.*	837.75S	474.9
46	- 0.*	843.9ST	476.0
47	- 0.*	837ST	200.2
48	- 0.*	837.7ST	48.2
49	- 0.*	837.8ST	271.8
50	- 18.*	842.75S	65.3
51	- 18.*	843SB	64.4
52	- 14.*	848.2SB	53.3
53	- 14.*	848.35S	53.3
54	- 20.*	839SB	59.5
55	- 0.*	843.8S	47.8
56	- 3.*	832C	328.3
57	- 3.*	833C	331.1
58	- 3.*	834C	329.5
59	- 3.*	835C	325.9
60	- 3.*	836C	328.8
61	- 3.*	837C	327.9
62	- 3.*	838C	332.1
63	- 3.*	839C	323.4
64	- 3.*	840C	325.9
65	- 3.*	841C	327.6
66	- 3.*	842C	327.6
67	- 3.*	843C	289.6
68	- 3.*	843.9C	369.1
69	- 3.*	845C	328.0
70	- 3.*	846C	330.1
71	- 3.*	847C	326.3
72	- 3.*	848C	327.5
73	- 3.*	849C	330.8
74	- 3.*	850C	328.3
75	- 3.*	851C	175.0
76	- 3.*	851.5C	483.0
77	- 3.*	853C	328.3
78	- 3.*	851+12	285.3
79	- 3.*	852+00	216.1

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--------------------------------------------------------------------------------
      0    1    2    3    4    5    6    7
1
 REC REC ID    DNL  PEOPLE   LEQ(CAL)
 ---------------------------------
  1   R19.19   67.    500.   67.6
  2   R19.20   67.    500.   65.4
  3   ST19.5/  67.    500.   64.3
  4   R19.22   67.    500.   59.8
  5   R19.23   67.    500.   59.8
  6   R19.24   67.    500.   64.1
  7   R19.25   67.    500.   68.0
  8   R19.26   67.    500.   70.1
  9   LT19.5   67.    500.   71.5
 10   R19.28   67.    500.   70.1
 11   R19.29   67.    500.   68.3
 12   R19.30   67.    500.   71.8
 13   R19.31   67.    500.   71.6
 14   R19.32   67.    500.   65.1
 15   R19.33   67.    500.   59.4
 16   R19.34   67.    500.   60.1
 17   ST19.2/  67.    500.   70.7
 18   R19.36   67.    500.   70.9
 19   R19.37   67.    500.   71.9
 20   R19.38   67.    500.   69.4
 21   R19.39   67.    500.   67.1
 22   R19.40   67.    500.   65.8
 23   R19.19A  67.    500.   62.3
 BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1
 CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 10.10.13.16.16.16.15.14.14.14.14.14.14.14.14.14.14.12.10.10. 5. 0. 0. 0.
  4. 8. 8. 8. 8. 8. 0. 6.12.12.12.13.14.14. 0. 0. 0. 0. 6. 0. 0. 0. 0. 0.18.
 18.14.14.20. 0. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
  3. 3. 3. 3.
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Roadway Segment 19 South Bound Vista Way (SR 78) to Oceanside SB only - Design - R19.41-R19.50
T RW Seg 19NB Truck,1
4690,65,186,65,524,65
T RW Seg 19NB Truck,2
4690,65,186,65,524,65
T RW Seg 19NB Car,3
5214,65,186,65,0,0
T RW Seg 19NB Car,4
5214,65,186,65,0,0
T RW Seg 19NB HOV,5
3000,65,0,0,0,0
T RW Seg 19NB HOV,6
3000,65,0,0,0,0
T RW L 23 NB On Ramp from Vista Way SR 78,7
1890,45,54,45,56,45
T RW L 20 NB Off Loop to WB SR78,8
945,25,27,25,28,25
T RW L 27 NB Off Loop to Oceanside Blvd,9
1890,25,54,25,56,25
T RW L 28 NB On Ramp from Oceanside Blvd,10
945,45,27,45,28,45
T RW L 26 NB onramp from California St,11
973,45,17,45,10,45
T RW Seg 19SB Truck,12
4690,65,186,65,524,65
T RW Seg 19SB Truck,13
4690,65,186,65,524,65
T RW Seg 19SB Car,14
5214,65,186,65,0,0
T RW Seg 19SB Car,15
5214,65,186,65,0,0
T RW Seg 19SB HOV,16
3000,65,0,0,0,0
T RW Seg 19SB HOV,17
3000,65,0,0,0,0
T RW L 24 SB Onramp from Casidy St,18
945,45,27,45,28,45
T RW L 25 SB Off Ramp to Cassidy St,19
945,45,27,45,28,45
T RW L 29 SB On Loop from Oceanside,20
945,25,27,25,28,25
T RW L 30 SB Off Ramp to Oceanside,21
945,45,27,45,28,45
T RW L 21 SB Off Loop to SR78,22
1890,25,54,25,56,25
T RW L 22 SB On Ramp from SR78,23
1890,45,54,45,56,45
L I-5 Seg 19NB Truck,1
Y,97393.18,12478.17,9.2, Sta.832
N,97340.87,12563.93,12.5, Sta.833
N,97285.97,12648.77,15.5, Sta.834
N,97228.87,12732.35,18.1, Sta.835
N,97171.94,12813.13,20.8, Sta.836
N,97116.61,12896.88,21.9, Sta.837
N,97059.82,12979.59,23, Sta.838

N,97003.27,13063.77,24.3, Sta.839
N,96945.67,13144.06,25.5, Sta.840
N,96889.96,13226.09,26.7, Sta.841
N,96833.55,13308.44,27.1, Sta.842
N,96777.38,13390.45,26, Sta.843
N,96729.03,13463.96,24.9, Sta.843.9
N,96666.52,13557.26,23.5, Sta.845
N,96609.75,13640.16,22.2, Sta.846
L I-5 Seg 19NB Truck- cont,2
N,96609.75,13640.16,22.2, Sta.846
N,96553.42,13723.71,20.5, Sta.847
N,96497.18,13804.88,18.5, Sta.848
N,96440.43,13888.29,16.3, Sta.849
N,96384.49,13970.91,14.2, Sta.850
N,96327.79,14054.12,15, Sta.851
N,96297.57,14098.66,16.3, Sta.851.5
N,96213.89,14220.75,19.8, Sta.853
N,96157.96,14303.43,22.1, Sta.854
L I-5 Seg 19NB Cars,3
Y,97387.2,12474.34,9.3, Sta.832
Y,97334.2,12559.7,12.5, Sta.833
N,97279.65,12644.57,15.6, Sta.834
N,97223.24,12728.07,18.3, Sta.835
N,97166.02,12809.67,20.8, Sta.836
N,97110.23,12892.47,22.1, Sta.837
N,97053.79,12975.39,23.2, Sta.838
N,96996.79,13059.55,24.4, Sta.839
N,96939.57,13139.58,25.6, Sta.840
N,96884.62,13222.73,26.7, Sta.841
N,96827.68,13304.89,27.2, Sta.842
N,96772.18,13387.16,26.1, Sta.843
N,96722.93,13459.99,25.1, Sta.843.9
N,96660.55,13553.26,23.6, Sta.845
N,96604.08,13636.14,22.2, Sta.846
L I-5 Seg 19NB Cars - Cont,4
N,96604.08,13636.14,22.2, Sta.846
N,96547.11,13719.42,20.6, Sta.847
N,96491.18,13800.74,18.6, Sta.848
N,96434.73,13884.82,16.4, Sta.849
N,96378.15,13966.78,14.3, Sta.850
N,96322.2,14050.31,15.2, Sta.851
N,96291.58,14093.73,16.4, Sta.851.5
N,96206.71,14215.57,19.9, Sta.853
N,96152.6,14298.14,22.2, Sta.854
L I-5 Seg 19NB HOV,5
N,97379.75,12470.51,9.4, Sta.832
N,97328.11,12555.76,12.5, Sta.833
N,97272.89,12640.53,15.5, Sta.834
N,97216.27,12723.46,18.3, Sta.835
N,97158.9,12805.03,20.8, Sta.836
N,97103.93,12888.35,22.2, Sta.837
N,97047.1,12970.92,23.3, Sta.838
N,96990.91,13055.18,24.5, Sta.839
N,96933.08,13136.74,25.8, Sta.840
N,96878.81,13218.76,26.7, Sta.841
N,96822.08,13300.75,27.2, Sta.842

N,96765.78,13383.32,26.3, Sta.843
N,96716.58,13455.73,25.2, Sta.843.9
N,96653.79,13549.22,23.7, Sta.845
N,96597.09,13632.1,22.2, Sta.846
L I-5 Seg 19NB HOV - cont,6
N,96597.09,13632.1,22.2, Sta.846
N,96540.2,13714.15,20.7, Sta.847
N,96483.66,13796.7,18.7, Sta.848
N,96427.99,13879.11,16.4, Sta.849
N,96371.79,13962.23,14.4, Sta.850
N,96315.06,14045.49,15.3, Sta.851
N,96284.94,14090.19,16.5, Sta.851.5
N,96201.28,14212.34,20, Sta.853
N,96145.97,14293.34,22.4, Sta.854
L 23 NB On Ramp from Vista Way SR 78,7
Y,97607.32,12829.44,5.2,831+05
Y,97525.45,12781.95,7,832+00
Y,97438.64,12733.6,11.2,833+00
N,97381.73,12719.04,13.7,833+60
N,97323.05,12721.45,15.8,834+20
N,97285.43,12732.17,17,834+60
N,97234.28,12761.44,18.7,835+20
N,97181.14,12819.67,20.2,836+00
N,97123.13,12901.16,21.8,837+00
N,97065.95,12982.93,23.1,838+00
L 20 NB Off Loop to WB SR78,8
N,97398.43,12476.75,9,L20.831+95
N,97369.22,12534.28,11.1,L20.833+00
N,97324.46,12623.74,14.8,L20.834+00
N,97303.07,12668.47,15.9,L20.834+50
N,97309.3,12695.36,16.2,L20.834+80
Y,97331.7,12707.37,16.5,L20.835+10
Y,97361.17,12698.12,17,L20.835+40
Y,97368.65,12663.43,18.3,L20.835+78
L 27 NB Off Loop to Oceanside Blvd,9
N,96404.7,13965.54,14.3,849+05
N,96348.06,14065.98,14.6,851+00
N,96299,14153.19,16.5,852+00
N,96273.3,14205.85,15.9,852+60
Y,96284.92,14237.06,14.4,853+00
Y,96319.16,14240.23,12.1,853+40
N,96353.63,14195,9.1,854+00
Y,96376.2,14162.45,8.1,853+60
L 28 NB On Ramp from Oceanside Blvd,10
Y,96375.81,14183.67,8.5,851+60
Y,96328.82,14249.77,12,852+40
Y,96277.35,14281.85,16,853+00
N,96188.02,14325.35,21,854+00
N,96142.9,14363.33,22.8,854+60
N,96094.61,14426.86,24.6,855+40
N,96059.65,14475.74,26.1,865+00
N,96002.22,14556.06,28.8,857+00
L 26 NB onramp from California St,11
N,96750.88,13495.93,32.3,844+00
N,96696.65,13554.69,26.9,844+80
N,96647.57,13617.92,22.6,845+60

N,96588.98,13698.74,20.8,846+60
N,96510.06,13812.94,18.25,848+00
L I-5 Seg 19SB Truck,12
N,96511.6,13693.4,20.5, Sta.847
N,96567.9,13611.35,22, Sta.846
N,96625.24,13529.63,23.5, Sta.845
N,96689.44,13437.15,24.8, Sta.844
N,96738.45,13365.4,26, Sta.843
N,96794.48,13282.15,26.5, Sta.842
N,96849.05,13198.73,26.5, Sta.841
N,96905.18,13116.17,25.4, Sta.840
N,96961.58,13034.99,24.5, Sta.839
N,97016.94,12951.08,23.3, Sta.838
N,97075.03,12869.26,22, Sta.837
N,97130.72,12786.87,20.5, Sta.836
N,97186.1,12703.44,18, Sta.835
Y,97241.86,12621.55,15.2, Sta.834
N,97298.15,12536.88,12.3, Sta.833
N,97349.72,12451.77,9, Sta.832
L I-5 Seg 19SB Truck, cont,13
N,96120.73,14276.24,22, Sta.854
Y,96175.07,14193.32,19.5, Sta.853
N,96258.91,14069.9,16.3, Sta.852
N,96288.65,14027.9,15.1, Sta.851
N,96341.28,13942.94,14.2, Sta.850
N,96397.61,13860.8,16.2, Sta.849
N,96454.79,13777.89,18.4, Sta.848
N,96510.83,13694.86,20.5, Sta.847
L I-5 Seg 19SB Cars,14
N,96519.17,13699.85,20.6, Sta.847
N,96575.32,13615.98,22.3, Sta.846
N,96632.57,13534.62,23.6, Sta.845
N,96696.2,13441.82,25, Sta.844
N,96745.34,13370.03,26, Sta.843
N,96802.3,13287,27.3, Sta.842
N,96857.08,13204.46,26.7, Sta.841
N,96912.18,13121.45,25.5, Sta.840
N,96969.41,13039.5,24.3, Sta.839
N,97024.86,12955.75,23.4, Sta.838
N,97081.97,12873.51,22, Sta.837
N,97137.96,12791.81,20.8, Sta.836
N,97193.32,12707.9,18.3, Sta.835
N,97249.44,12626.09,15.3, Sta.834
N,97305.79,12541.26,12.4, Sta.833
N,97357.58,12456.6,9.3, Sta.832
L I-5 Seg 19SB Cars,15
N,96126.34,14280.01,22.3, Sta.854
Y,96180.84,14197.12,19.9, Sta.853
N,96265.5,14075.01,16.4, Sta.852
N,96294.66,14032.11,15.2, Sta.851
N,96348.21,13948.06,14.3, Sta.850
N,96405,13865.01,16.3, Sta.849
N,96461.4,13782.16,18.2, Sta.848
N,96518.51,13699.95,20.6, Sta.847
L I-5 Seg 19SB HOV,16
N,96527.05,13705.21,20.8, Sta.847

N,96583.32,13622.5,22.3, Sta.846
N,96640.42,13539.84,23.7, Sta.845
N,96703.73,13446.98,25.2, Sta.844
N,96752.62,13374.7,26.2, Sta.843
N,96808.88,13291.58,27.3, Sta.842
N,96865.19,13209.3,28.8, Sta.841
N,96920.56,13127.37,25.7, Sta.840
N,96977.1,13045.33,24.5, Sta.839
N,97033.3,12961.36,23.2, Sta.838
N,97090.29,12879.22,22.2, Sta.837
N,97145.23,12796.07,20.8, Sta.836
N,97202.24,12714.23,18.4, Sta.835
N,97258.23,12631.37,15.5, Sta.834
N,97313.12,12546.46,12.4, Sta.833
N,97366.03,12461.85,9.4, Sta.832
L I-5 Seg 19SB HOV,17
N,96131.72,14284.35,22.4, Sta.854
N,96188.01,14201.05,20, Sta.853
N,96271.61,14079.71,16.5, Sta.852
N,96301.14,14036.08,15.3, Sta.851
N,96356.68,13952.69,14.4, Sta.850
N,96413.15,13870.85,16.5, Sta.849
N,96469.42,13788.27,18.7, Sta.848
N,96526.75,13705.38,20.8, Sta.847
L 24 SB Onramp from Casidy St,18
N,96937.1,12858.93,22,838+30
N,96984.26,12870.57,23.5,837+80
Y,97043.44,12864.84,22.4,837+20
N,97076.76,12844.6,21.2,836+80
Y,97123.55,12780.24,20.3,836+00
Y,97181.86,12698.01,18,835+00
L 25 SB Off Ramp to Cassidy St,19
N,96866.53,13163.04,26,840+60
N,96896.5,13109.94,25,840+00
N,96945.62,13022.83,23.8,839+00
N,96970.69,12969.29,24.1,838+40
N,96963.6,12911.48,23.8,837+80
N,96933.92,12864.88,22,837+20
L 29 SB On Loop from Oceanside,20
Y,96179.7,14019.11,7,854+60
Y,96145.42,14068.75,9.4,854+00
Y,96123.89,14099.93,12.8,853+60
Y,96131.32,14133.01,15.2,853+20
N,96161.41,14146.27,17,852+80
N,96190.32,14128.71,17.5,852+40
N,96215.44,14097.72,17,852+00
N,96275.52,14017.56,14.7,851+00
N,96331.69,13934.88,14.3,850+00
L 30 SB Off Ramp to Oceanside,21
N,95994.68,14435.25,26.75,856+00
N,96045.27,14345.22,23.5,855+00
N,96071.65,14291.71,21.8,854+40
Y,96087.22,14234.24,19.1,853+80
Y,96092.19,14154.2,14.7,853+00
Y,96109.35,14094.54,11.2,852+40
Y,96166.79,14008.71,7.1,851+55

L 21 SB Off Loop to SR78,22
N,97264.43,12581.35,13.8,L21.833+55
N,97289.75,12532.25,11.9,L21.833+00
N,97326.47,12461.05,10.2,L21.832+20
N,97329.19,12425.62,10.8,L21.831+80
N,97302.15,12402.33,12.4,L21.831+40
N,97267.78,12410.8,15,L21.831+00
N,97251.95,12443.86,16.1,L21.830+60
N,97240.46,12537.67,22.9,L21.829+72
L 22 SB On Ramp from SR78,23
Y,97229.844,12522.4169,22.9,L22.833+72
Y,97238.2972,12451.1263,19,L22.833+00
Y,97252.2999,12412.4388,15.8,L22.832+60
Y,97288.8176,12390.1413,12.7,L22.832+20
N,97347.4513,12389.3489,8.4,L22.831+60
N,97383.0282,12376.2073,6.8,L22.831.20
N,97408.2504,12347.0079,6.4,L22.830+80
N,97451.421,12279.5106,6.4,L22.830+00
Barrier 1 Soundwall S835 ROW SB N of Vista Way,1,2,0,0
97186.04,12532.28,22.9,24.42, 833.6S
97165.76,12562.34,22.43,23.95, 833.93S
Barrier 2 Soundwall S835 ROW SB N of Vista Way,2,2,0,0
97160.3,12570.57,22.43,23.95, 834S
97135.45,12606.86,22.85,24.37, 834.5S
97135.45,12606.86,22.85,26.55, 834.5S
97155.37,12620.73,22.7,26.42, 834.6S
97156.23,12626.68,23,26.7, 834.65S
97179.76,12660.48,23.37,27.07, 834.75S
97188.87,12668.04,23.3,27, 834.75S
Barrier 3 Soundwall S835 ROW SB N of Vista Way,3,2,0,0
97188.87,12668.04,23.3,27, 834.75S
97137.2,12742.83,23.9,27.6, 835.6S
97142.59,12745.76,23.8,26.85,835+60
97085.13,12826.53,23.8,26.85,836+60
97073.13,12841.54,23.75,26.8,836+80
97057.55,12853.61,23.71,26.76,837+00
97022.29,12857.59,23.8,26.85, 837.3S
96976.77,12859.95,22.8,25.85, 837.5S
96930.86,12843.72,22.26,25.31, 837.6S
Barrier 4 Soundwall S841 ROW SB N of Cassidy,4,2,0,0
96900.47,12852.8,21.6,25.9, 837.9S
96933.86,12875.85,21.5,25.8, 837.9S
96952.65,12943.75,23,27.3, 838.2S
96961.89,12979.2,22.8,27.1,838+55
96961.89,12979.2,22.8,27.1,838+55
96898.08,13095.23,24.2,28.5,839+90
96898.08,13095.23,24.2,29.1,839+90
96890.7,13108.71,24.15,29.05,840+00
96834.58,13188.45,25,29.9, 841S
Barrier 5 Property Wall SB N of Cassidy,5,2,0,0
96903.05,13098.27,24.5,26.33, 839.9S
96786.47,13018.11,22.1,23.93, 839.9S
Barrier 6 Cassidy St SB,6,2,0,0
96908.05,12843.61,30,30, 837.75ST
97027.21,12925.41,21.8,21.8, 837.75ST
Barrier 7 Bridge Berm SB,7,2,0,0

97063.5,12866.27,22.3,22.3, 837ST
97029.25,12916.24,29.7,29.7, 837.7ST
97020.8,12928.27,29.7,29.7, 837.8ST
96976.63,12998.16,24.23,24.23, 838.8ST
Barrier 8 Building SB,8,2,0,0
96915.8,12997.59,22,28.1, 839SB
96906.25,13013.02,22,28.1, 839.2SB
Barrier 9 Center Divider,9,2,0,0
97372.89,12466.18,9.5,10.5, 832C
97320.41,12551.29,12.5,13.5, 833C
97265.74,12636.05,15.5,16.5, 834C
97209.21,12719.03,18.4,19.4, 835C
97153.27,12801.05,20.8,21.8, 836C
97096.34,12883.5,22.2,23.2, 837C
97040.21,12966.18,23.3,24.3, 838C
96983.16,13049.79,24.5,25.5, 839C
96928.02,13131.5,25.7,26.7, 840C
96872.52,13213.88,26.8,27.8, 841C
Barrier 10 Center Divider ,10,2,0,0
96872.52,13213.88,26.8,27.8, 841C
96816.22,13296.34,27.3,28.3, 842C
96759.7,13378.68,26.3,27.3, 843C
96709.9,13451.56,25.2,26.2, 843.9C
96646.41,13544.44,25.7,26.7, 845C
96590.37,13627.16,22.3,23.3, 846C
96532.86,13709.63,18.7,19.7, 847C
96477.71,13792.36,16.5,17.5, 848C
96421.28,13874.68,14.5,15.5, 849C
96364.45,13957.94,15.3,16.3, 850C
Barrier 11 Center Divider,11,2,0,0
96364.45,13957.94,15.3,16.3, 850C
96308,14040.54,16.5,17.5, 851C
96278.04,14084.69,16.5,17.5, 851.5C
96194.56,14205.91,20,21, 853C
96138.88,14289.01,22.4,23.4, 854C
Barrier 12 Terrain Line Park and Ride,12,2,0,0
97165.76,12562.34,22.43,22.43, 833.93S
97160.3,12570.57,22.43,22.43, 834S
R 19.41,1,55,2
96969.93,12853.43,24.2, R19.41
R 19.42,2,55,2
97013.13,12852.86,24.5, R19.42
R 19.43,3,55,2
97067.17,12837.69,25.1, R19.43
R 19.44,4,55,2
97089.27,12809.38,25.3, LT19.2
R 19.45,5,55,3
97074.14,12789.62,25, R19.45
R 19.46,6,55,3
97158.06,12672.4,25, R19.46
R 19.47,7,55,5
97127.68,12654.35,24.5, R19.47
R 19.48,8,55,3
97148.07,12541.25,23.8, R19.48
R 19.49,9,55,1
97131.72,12528.95,23.5, R19.49

R 19.50,10,55,1
97117.43,12517.02,23.1, R19.50
D,4.5
ALL,ALL
K,0
All,All
K,-5
All,6,7,9,10

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGMENT 19 SOUTH BOUND VISTA WAY (SR 78) TO OCEANSIDE SB ONLY - DESIGN - R19.41-R19.50

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	5.*							833.6S	118.9	
2	-	5.*							834S	144.3	
3	-	9.*							834.5S	7.1	
4	-	12.*							834.5S	79.6	
5	-	12.*							834.6S	19.7	
6	-	12.*							834.65S	135.1	
7	-	12.*							834.75S	38.8	
8	-	12.*							834.75S	298.3	
9	-	11.*							835.6S	20.3	
10	-	10.*							835+60	325.2	
11	-	10.*							836+60	63.0	
12	-	10.*							836+80	64.6	
13	-	10.*							837+00	116.4	
14	-	10.*							837.3S	149.5	
15	-	10.*							837.5S	159.8	
16	-	14.*							837.9S	133.1	
17	-	14.*							837.9S	231.2	
18	-	14.*							838.2S	120.2	
19	-	14.*							838+55	.0	
20	-	14.*							838+55	434.5	
21	-	15.*							839+90	2.0	
22	-	16.*							839+90	50.4	
23	-	16.*							840+00	319.9	
24	-	6.*							839.9S	464.3	
25	-	0.*							837.75S	474.9	
26	-	0.*							837ST	200.2	
27	-	0.*							837.7ST	48.2	
28	-	0.*							837.8ST	271.8	
29	-	20.*							839SB	59.5	
30	-	3.*							832C	328.3	
31	-	3.*							833C	331.1	
32	-	3.*							834C	329.5	
33	-	3.*							835C	325.9	
34	-	3.*							836C	328.8	

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35    -  3.*                        837C     327.9
36    -  3.*                        838C     332.1
37    -  3.*                        839C     323.4
38    -  3.*                        840C     325.9

39    -  3.*                        841C     327.6
40    -  3.*                        842C     327.6
41    -  3.*                        843C     289.6
42    -  3.*                        843.9C   369.1
43    -  3.*                        845C     328.0
44    -  3.*                        846C     330.1
45    -  3.*                        847C     326.3
46    -  3.*                        848C     327.5
47    -  3.*                        849C     330.8

48    -  3.*                        850C     328.3
49    -  3.*                        851C     175.0
50    -  3.*                        851.5C   483.0
51    -  3.*                        853C     328.3

52    -  0.*                        833.93S   32.4
--------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
---------------------------------
 1  R19.41   67.    500.   66.9
 2  R19.42   67.    500.   67.5
 3  R19.43   67.    500.   71.4
 4  LT19.2   67.    500.   71.9
 5  R19.45   67.    500.   69.9
 6  R19.46   67.    500.   63.2
 7  R19.47   67.    500.   61.4
 8  R19.48   67.    500.   69.1
 9  R19.49   67.    500.   63.0
10  R19.50   67.    500.   62.2
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 5. 5. 9.12.12.12.12.12.11.10.10.10.10.10.10.14.14.14.14.14.15.16.16. 6. 0.
 0. 0. 0.20. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
 3. 0.
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Roadway Segment 20 NB & SB Oceanside to Mission - No Build
T RW Seg 20NB Truck, 1
0, 0, 0, 0, 0, 0
T RW Seg 20NB Truck, 2
0, 0, 0, 0, 0, 0
T RW Seg 20NB Car, 3
3229, 65, 97, 65, 274, 65
T RW Seg 20NB Car, 4
3229, 65, 97, 65, 274, 65
T RW Seg 20NB HOV, 5
3503, 65, 97, 65, 0 , 0
T RW Seg 20NB HOV, 6
3503, 65, 97, 65, 0 , 0
T RW Seg 20NB Off Loop to Ocean Blvd, 7
945, 25, 27, 25, 28, 25
T RW Seg 20NB Onramp from Ocean Blvd, 8
473, 45, 14, 45, 14, 45
T RW Seg 20NB Off Ramp to Misson, 9
884, 45, 25, 45, 26, 45
T RW Seg 20NB Off Loop to Misson, 10
884, 25, 25, 25, 26, 25
T RW Seg 20SB Truck, 11
0, 0, 0, 0, 0, 0
T RW Seg 20SB Truck, 12
0, 0, 0, 0, 0, 0
T RW Seg 20SB Car, 13
3229, 65, 97, 65, 274, 65
T RW Seg 20SB Car, 14
3229, 65, 97, 65, 274, 65
T RW Seg 20SB HOV, 15
3503, 65, 97, 65, 0 , 0
T RW Seg 20SB HOV, 16
3503, 65, 97, 65, 0 , 0
T RW Seg 20SB On Loop from Oceanside, 17
945, 25, 27, 25, 28, 25
T RW Seg 20SB On Ramp from EB Mission, 18
567, 45, 16, 45, 17, 45
T RW Seg 20SB Onramp Loop from WB Mission, 19
709, 25, 20, 25, 21, 25
T RW Seg 20SB SB Off Ramp to Oceanside, 20
558, 45, 16, 45, 17, 45
L I-5 Seg 20NB Truck, 1
N, 96287.37, 14113.0494, 16.3, Sta.851.5
N, 96271.18, 14136.9586, 17.4, Sta.852
N, 96215.86, 14218.1333, 19.8, Sta.853
N, 96160.19, 14299.654, 22.1, Sta.854
N, 96103.07, 14383.2955, 24.2, Sta.855
Y, 96046.86, 14465.5978, 25.6, Sta.856
N, 95990.65, 14547.9002, 29, Sta.857
Y, 95936.26, 14634.0277, 31.2, Sta.858
N, 95877.16, 14715.0385, 34.7, Sta.859
Y, 95821.23, 14796.6307, 36.5, Sta.860
N, 95765.30, 14878.2229, 39.9, Sta.861
N, 95705.80, 14960.9454, 42.2, Sta.862
N, 95636.93, 15038.0507, 42.2, Sta.863
N, 95560.91, 15106.4445, 40.8, Sta.864

95477.81, 15166.445, 39.7, Sta.865
L I-5 Seg 20NB Truck, 2
N, 95477.81, 15166.445, 39.7, Sta.865
N, 95422.99, 15202.69, 38, Sta.865.6
N, 95300.58, 15258.57, 34.2, Sta.867
N, 95205.6, 15297.66, 31.2, Sta.868
N, 95112.31, 15335.05, 30.15, Sta.869
L I-5 Seg 20NB Cars, 3
N, 96282.8, 14109.8, 16.4, Sta.851.5
N, 96267.6, 14132.7, 17.5, Sta.852
N, 96211.4, 14215.1, 19.9, Sta.853
N, 96155.0, 14297.4, 22.3, Sta.854
N, 96098.3, 14380.4, 24.3, Sta.855
N, 96042.4, 14462.7, 26.7, Sta.856
N, 95985.6, 14545.5, 29.3, Sta.857
N, 95929.5, 14628.3, 31.3, Sta.858
N, 95872.8, 14711.1, 33.8, Sta.859
N, 95816.7, 14793.2, 36.7, Sta.860
N, 95760.3, 14876.4, 39.7, Sta.861
N, 95701.0, 14958.3, 41.7, Sta.862
N, 95632.6, 15034.6, 41.7, Sta.863
N, 95556.0, 15103.5, 40.4, Sta.864
N, 95473.8, 15161.9, 38.7, Sta.865
L I-5 Seg 20NB Cars, 4
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N, 95414.2, 15197.2, 37.5, Sta.865.6
N, 95295.94, 15251.48, 34.2, Sta.867
N, 95202.74, 15290.91, 31.2, Sta.868
N, 95108.92, 15328.53, 30.25, Sta.869
L I-5 Seg 20NB HOV, 5
N, 96274.6, 14104.2, 16.5, Sta.851.5
N, 96259.0, 14127.3, 17.5, Sta.852
N, 96202.8, 14209.7, 20, Sta.853
N, 96146.2, 14292.5, 22.4, Sta.854
N, 96089.8, 14375.3, 24.4, Sta.855
N, 96033.5, 14458.0, 26.8, Sta.856
N, 95977.4, 14540.3, 29.3, Sta.857
N, 95921.0, 14623.0, 31.3, Sta.858
N, 95864.6, 14705.7, 33.9, Sta.859
N, 95808.2, 14788.3, 36.8, Sta.860
N, 95752.1, 14870.8, 39.8, Sta.861
N, 95693.1, 14952.3, 41.5, Sta.862
N, 95625.8, 15027.6, 41.5, Sta.863
N, 95550.5, 15094.8, 40, Sta.864
N, 95468.6, 15153.8, 38.4, Sta.865
L I-5 Seg 20NB HOV, 6
N, 95468.6, 15153.8, 38.4, Sta.865
N, 95404.34, 15191.54, 37.5, Sta.865.6
N, 95293, 15245.38, 34.1, Sta.867
N, 95199.4, 15284.1, 31.2, Sta.868
N, 95105.42, 15321.19, 30.34, Sta.869
L I-5 Seg 20NB NB Offramp to Ocean Blvd, 7
N, 96385.77, 13969.91, 14.3, Sta.850
N, 96330.51, 14054.09, 14.76, Sta.851
N, 96283.94, 14144.30, 17, Sta.852
N, 96248.35, 14221.79, 16.8, Sta.853.9

Y, 96256.83, 14246.62, 15.52, Sta.853.2
Y, 96272.32, 14259.87, 14.5, Sta.853.4
N, 96300.83, 14261.30, 12.8, Sta.853.8
Y, 96323.64, 14241.01, 11.9, Sta.854.1
96371.03, 14172.22, 8.32, Sta.854.9
L I-5 Seg 20NB NB Onramp from Ocean Blvd, 8
Y, 96379.37, 14177.40, 8.32, Sta.851.4
Y, 96323.21, 14259.62, 12.7, Sta.852
Y, 96293.58, 14278.23, 14.6, Sta.852.5
N, 96212.64, 14298.19, 18.75, Sta.853.4
N, 96177.91, 14312.11, 20.6, Sta.854.2
N, 96145.56, 14334.01, 22.77, Sta.855
N, 96108.49, 14378.61, 24.22, Sta.856
96054.51, 14456.29, 26.2, Sta.857
L I-5 Seg 20NB NB Off Ramp to Misson Ave EB, 9
Y, 95826.3441, 14799.01, 36.7, Sta.860
N, 95772.4444, 14883.51, 40, Sta.861
N, 95716.728, 14967.12, 42.34, Sta.862
N, 95653.6608, 15045.64, 42.27, Sta.863
N, 95579.485, 15113.10, 41.67, Sta.864
N, 95515.1238, 15163.70, 40, Sta.864.8
Y, 95498.5364, 15190.06, 39.4, Sta.865.15
N, 95501.4495, 15217.14, 40.4, Sta.865.4
N, 95514.8645, 15236.26, 40.7, Sta.865.6
95549.323, 15268.63, 41.5, Sta.866.2
L I-5 Seg 20NB NB Off Loop to Misson Ave WB, 10
N, 95579.49, 15113.10, 41.67, Sta.864
N, 95497.75, 15172.05, 39.88, Sta.865
N, 95411.03, 15222.20, 37.5, Sta.866
Y, 95386.13, 15239.73, 37.4, Sta.866.25
N, 95378.75, 15256.98, 37.9, Sta.866.35
Y, 95381.56, 15280.50, 38.9, Sta.866.78
Y, 95397.66, 15298.22, 39.8, Sta.867.05
N, 95424.48, 15302.56, 41.8, Sta.867.35
Y, 95447.92, 15290.25, 41.65, Sta.867.62
N, 95460.00, 15269.14, 42.6, Sta.867.9
Y, 95457.88, 15246.19, 43.3, Sta.868.15
Y, 95443.43, 15225.76, 44.2, Sta.868.4
95434.24, 15218.28, 44.6, Sta.868.5
L I-5 Seg 20SB Truck, 11
N, 95092.93, 15292.55, 30.2, Sta.869
N, 95186.23, 15254.12, 31.2, Sta.868
N, 95277.08, 15216.7, 33.94, Sta.867
N, 95369.45, 15170.66, 35.7, Sta.866
L I-5 Seg 20SB Truck, 12
N, 95369.45, 15170.66, 35.7, Sta.866
N, 95452.27, 15126.30, 37, Sta.865
N, 95530.02, 15070.84, 38.8, Sta.864
N, 95603.23, 15004.80, 40.2, Sta.863
N, 95666.96, 14933.88, 40.2, Sta.862
N, 95725.11, 14852.83, 39.4, Sta.861
N, 95780.88, 14771.63, 36.5, Sta.860
N, 95838.33, 14686.65, 33.5, Sta.859
N, 95893.79, 14605.65, 31, Sta.858
N, 95950.75, 14522.17, 29, Sta.857
N, 96006.51, 14440.43, 26.7, Sta.856

N, 96063.52, 14357.37, 24.2, Sta.855
N, 96119.40, 14275.11, 22, Sta.854
N, 96175.95, 14191.68, 19.7, Sta.853
N, 96231.91, 14110.25, 17.4, Sta.852
96248.68, 14085.27, 16.2, Sta.851.7
L I-5 Seg 20SB Cars, 13
N, 95096.39, 15298.67, 30.36, Sta.869
N, 95188.7, 15260.29, 31.32, Sta.868
N, 95280.93, 15223.14, 33.8, Sta.867
N, 95377.27, 15175.39, 36, Sta.866
L I-5 Seg 20SB Cars, 14
N, 95377.27, 15175.39, 36, Sta.866
N, 95453.91, 15130.84, 37.5, Sta.865
N, 95533.14, 15074.78, 39.2, Sta.864
N, 95606.68, 15007.87, 40.7, Sta.863
N, 95671.69, 14936.05, 40.8, Sta.862
N, 95729.20, 14856.05, 39.6, Sta.861
N, 95785.37, 14774.27, 38.7, Sta.860
N, 95841.41, 14691.92, 33.8, Sta.859
N, 95897.49, 14608.78, 31.3, Sta.858
N, 95954.50, 14525.72, 29.2, Sta.857
N, 96010.72, 14443.14, 26.7, Sta.856
N, 96067.18, 14361.30, 24.3, Sta.855
N, 96123.03, 14279.17, 22.3, Sta.854
N, 96180.21, 14195.34, 19.8, Sta.853
N, 96236.13, 14113.50, 17.5, Sta.852
96253.69, 14088.57, 16.4, Sta.851.7
L I-5 Seg 20SB HOV, 15
N, 95099.09, 15306.33, 30.38, Sta.869
N, 95192.75, 15268.34, 31.8, Sta.868
N, 95284.67, 15230.28, 34, Sta.867
N, 95386.92, 15181.02, 36.5, Sta.866
L I-5 Seg 20SB HOV, 16
N, 95386.92, 15181.02, 36.5, Sta.866
N, 95459.80, 15139.04, 37.9, Sta.865
N, 95539.56, 15082.43, 39.5, Sta.864
N, 95614.15, 15015.63, 41, Sta.863
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N, 95794.15, 14779.25, 36.8, Sta.860
N, 95850.93, 14696.00, 33.9, Sta.859
N, 95907.38, 14613.61, 31.4, Sta.858
N, 95963.42, 14531.26, 29.3, Sta.857
N, 96019.85, 14448.34, 26.9, Sta.856
N, 96076.39, 14365.57, 24.4, Sta.855
N, 96132.87, 14283.05, 22.4, Sta.854
N, 96188.47, 14201.41, 20, Sta.853
N, 96245.34, 14117.78, 17.6, Sta.852
96261.90, 14093.69, 16.5, Sta.851.7
L I-5 Seg 20SB SB On Loop from Oceanside Blvd, 17
Y, 96179.19, 14024.44, 6.97, Sta.855.1
Y, 96120.07, 14112.79, 12.8, Sta.854
Y, 96111.92, 14135.63, 14.8, Sta.853.75
Y, 96121.74, 14161.38, 16.5, Sta.853.45
N, 96143.77, 14173.47, 17.5, Sta.853.18
N, 96169.23, 14171.20, 18, Sta.852.9

N, 96191.99, 14148.43, 17.9, Sta.852.55
N, 96227.76, 14105.90, 17.55, Sta.852
N, 96288.39, 14026.15, 15, Sta.851
96344.34, 13944.39, 14.27, Sta.850
L I-5 Seg 20SB SB On Ramp from EB Mission Ave, 18
Y, 95253.43, 15091.55, 36.2, Sta.866.9
N, 95331.06, 15125.01, 39.3, Sta.866
N, 95363.80, 15130.38, 39.5, Sta.865.65
N, 95398.43, 15125.70, 39.5, Sta.865.3
N, 95426.89, 15112.52, 39.5, Sta.865
N, 95513.48, 15062.09, 39.8, Sta.864
N, 95592.28, 15001.48, 39.86, Sta.863
N, 95660.96, 14929.44, 40.5, Sta.862
95721.33, 14849.55, 39.7, Sta.861
L I-5 Seg 20SB SB Onramp Loop from WB Mission Ave, 19
Y, 95294.37, 15134.97, 38.9, Sta.868.75
Y, 95266.62, 15124.66, 36.75, Sta.868.35
Y, 95242.90, 15131.68, 35.05, Sta.868.1
Y, 95228.05, 15151.40, 33.6, Sta.867.85
N, 95229.04, 15178.53, 32.69, Sta.867.55
N, 95246.68, 15198.24, 32.74, Sta.867.25
N, 95274.70, 15204.01, 33.6, Sta.866.9
N, 95362.14, 15169.58, 35.5, Sta.866
N, 95447.88, 15123.93, 37.2, Sta.865
95498.03, 15092.87, 38.25, Sta.864.4
L I-5 Seg 20SB SB Off Ramp to Oceanside, 20
N, 95945.79, 14520.32, 28.77, Sta.857
N, 96002.55, 14436.78, 26.74, Sta.856
N, 96051.19, 14349.34, 23.79, Sta.855
Y, 96097.72, 14261.64, 21.1, Sta.854
Y, 96100.20, 14197.46, 18.5, Sta.853.35
Y, 96096.78, 14143.79, 15.64, Sta.852.8
Y, 96116.40, 14098.28, 12.4, Sta.852.35
96171.89, 14017.59, 7.1, Sta.851.4
Barrier 1 Terrain Line ROW NB, 1, 2, 0, 0
96000.02, 14553.34, 28.70, 28.70, 857N
95943.10, 14636.85, 31.10, 31.10, 858N
95886.18, 14720.35, 33.55, 33.55, 859N
95847.11, 14777.68, 41.50, 41.50, 859.7N
95838.51, 14789.68, 41.00, 41.00, 859.85N
Barrier 2 Soundwall ROW NB, 2, 2, 0, 0
95838.51, 14789.68, 41.00, 41.00, 859.85N
95773.69, 14884.75, 40.75, 40.75, 861N
95717.82, 14968.51, 42.20, 42.20, 862N
95655.00, 15047.42, 42.30, 42.30, 863N
95655.00, 15047.42, 42.30, 42.30, 863N
95582.25, 15116.68, 41.50, 41.50, 864N
95582.25, 15116.68, 41.50, 41.50, 864N
95522.04, 15164.21, 40.50, 40.50, 864.8N
95506.12, 15189.75, 40.20, 40.20, 865.2N
95510.82, 15220.89, 40.60, 40.60, 865.5N
95559.16, 15270.13, 41.60, 41.60, 866.2N
Barrier 3 Terrain NB, 3, 2, 0, 0
95847.25, 14777.89, 41.50, 41.50, 859.7NT
95922.71, 14830.59, 39.66, 39.66, 859.7NT
Barrier 4 Terrain NB, 4, 2, 0, 0

95451.34, 15204.11, 44.30, 44.30, 865.6NT
95513.22, 15240.58, 41.20, 41.20, 856.6NT
Barrier 5 Building NB, 5, 2, 0, 0
95539.63, 15168.93, 41.10, 47.10, 864.6NB
95524.56, 15201.96, 41.10, 47.10, 864.6NB
Barrier 6 Divider Jersey Barrier, 6, 2, 0, 0
96278.49, 14083.85, 16.50, 17.50, 851.5C
96252.04, 14122.63, 17.60, 18.60, 852C
96195.74, 14205.15, 20.00, 21.00, 853C
96139.34, 14287.86, 22.40, 23.40, 854C
96082.99, 14370.47, 24.40, 25.40, 855C
96026.64, 14453.08, 26.80, 27.80, 856C
95970.29, 14535.70, 29.24, 30.24, 857C
95913.94, 14618.31, 31.50, 32.50, 858C
95857.59, 14700.92, 33.80, 34.80, 859C
95801.24, 14783.53, 36.80, 37.80, 860C
Barrier 7 Divider Jersey Barrier, 7, 2, 0, 0
95801.24, 14783.53, 36.80, 37.80, 860C
95744.90, 14866.15, 39.66, 40.66, 861C
95686.33, 14947.22, 41.16, 42.16, 862C
95619.65, 15021.68, 41.30, 42.30, 863C
95545.30, 15088.40, 39.77, 40.77, 864C
95464.12, 15146.63, 38.10, 39.10, 865C
95395.59, 15186.4, 36.70, 37.70, 865.8C
Barrier 8 Soundwall ROW SB, 8, 2, 0, 0
96166.11, 14014.34, 7.00, 7.00, 851.4S
96121.04, 14079.86, 11.60, 11.60, 852.15S
96098.28, 14115.85, 14.00, 14.00, 852.55S
96091.72, 14136.24, 16.40, 16.40, 852.75S
96089.43, 14162.91, 17.60, 17.60, 853S
96089.43, 14162.91, 17.60, 17.60, 853S
96093.62, 14185.07, 18.30, 18.30, 853.2S
96097.37, 14230.89, 20.10, 20.10, 853.7S
96094.78, 14253.91, 20.90, 20.90, 853.95S
96089.13, 14271.87, 21.50, 21.50, 854.15S
Barrier 9 Soundwall ROW SB, 9, 2, 0, 0
96089.13, 14271.87, 21.50, 21.50, 854.15S
96071.79, 14303.94, 23.00, 23.00, 854.5S
96047.70, 14347.21, 23.70, 23.70, 855S
95997.69, 14433.90, 26.60, 26.60, 856S
95984.24, 14453.48, 27.40, 27.40, 856.2S
95968.88, 14476.49, 27.50, 27.50, 856.5S
Barrier 10 Soundwall ROW SB, 10, 2, 0, 0
95984.24, 14453.48, 27.40, 27.40, 856.2S
95933.61, 14500.24, 36.75, 36.75, 856.9S
95933.61, 14500.24, 36.75, 36.75, 856.9S
95928.26, 14520.34, 37.50, 37.50, 857.1S
95918.47, 14531.76, 38.10, 38.10, 857.2S
95876.22, 14596.32, 38.50, 38.50, 858S
95822.23, 14680.79, 39.80, 39.80, 859S
95787.61, 14737.66, 42.30, 42.30, 859.7S
Barrier 11 Soundwall ROW SB , 11 , 2, 0, 0
95787.61 , 14737.66 , 42.30 , 42.30 , 859.7 S
95784.58 , 14749.15 , 40.10 , 40.10 , 859.8 S
95784.58 , 14749.15 , 40.10 , 42.54 , 859.8 S
95773.00 , 14765.84 , 40.20 , 42.64 , 860 S

95716.59 , 14847.18 , 40.10 , 42.54 , 861 S
95685.72 , 14887.87 , 40.88 , 43.32 , 861.55 S
95675.03 , 14905.18 , 40.68 , 43.12 , 861.75 S
Barrier 12 Soundwall ROW SB , 12 , 2, 0, 0
95675.03 , 14905.18 , 40.68 , 43.12 , 861.75 S
95656.22 , 14925.45 , 40.83 , 43.27 , 862 S
95615.73 , 14969.08 , 41.24 , 43.68 , 862.8 S
95615.73 , 14969.08 , 41.24 , 41.24 , 862.8 S
95590.48 , 14990.44 , 40.75 , 40.75 , 863 S
95517.29 , 15047.00 , 39.50 , 39.50 , 864 S
95431.93 , 15094.67 , 38.68 , 38.68 , 865 S
95386.03 , 15112.37 , 38.17 , 38.17 , 865.4 S
95346.38 , 15112.19 , 37.80 , 37.80 , 865.9 S
95265.36 , 15086.35 , 36.38 , 36.38 , 866.8 S
Barrier 13 Terrain SB, 13, 2, 0, 0
95962.00, 14337.30, 30.00, 30.00, 855.4 ST
95962.00, 14430.30, 30.00, 30.00, 856.15ST
95939.17, 14434.52, 33.20, 33.20, 856.3 ST
95933.61, 14500.24, 36.70, 36.70, 859.9 ST
Barrier 14 Terrain SB, 14, 2, 0, 0
95371.22, 15159.43, 41.80, 41.80, 865.8ST
95246.2, 15105.76, 36.5, 36.50, 866ST
Barrier 15 Buiding SB, 15, 2, 0, 0
96054.3845, 14249.1333, 13.60, 23.60, 854SB
96012.72, 14328.5732, 13.70, 23.70, 855SB
Barrier 16 Buiding SB, 16, 2, 0, 0
96120.3472, 14029.6226, 7.58, 17.58, 851.6SB
96097.2824, 14067.539, 7.38, 17.38, 852.2SB
Barrier 17 Terrain Line SB, 17, 2, 0, 0
95765.49, 14719.30, 40.09, 40.09, 859.7ST
95787.61, 14737.66, 42.30, 42.30, 859.7ST
Barrier 18 Terrain line SB, 18, 2, 0, 0
96020.24, 14381.8, 22, 22, 855.5ST
96009.5, 14396.7, 24.1, 24.1, 855.6ST
95988.2, 14413.26, 24, 24, 855.8ST
Barrier 19 Terrain line NB Golf Course, 19, 2, 0, 0
96166.67, 14528.78, 38, 38.00, 855.8NT
96161.42, 14506.76, 38, 38.00, 855.6NT
96214.54, 14444.30, 41, 41.00, 854.9NT
96220.17, 14395.78, 40, 40.00, 854.5NT
96248.78, 14371.75, 36, 36.00, 854.1NT
96278.87, 14375.08, 34, 34.00, 853.95NT
Barrier 20 Soundwall NB Golf Course, 20, 2, 0, 0
96007.20, 14559.89, 28, 28.00, 857N
96065.44, 14476.64, 26.3, 26.30, 856N
96122.00, 14395.78, 23.5, 23.50, 855N
96155.40, 14348.05, 26, 26.00, 854.4N
96219.34, 14346.17, 37, 37.00, 854N
96306.84, 14313.23, 26, 26.00, 853.2N
96354.89, 14243.13, 10.5, 10.50, 852.3N
R 20.1 , 1 ,55, 3
95847.358 , 14852.723 ,43.2 , 1Baseball
R 20.2 , 2 ,55, 4
95770.4224 , 14932.121, 43.9 , ST20.2
R 20.3 , 3 ,55, 2
95774.50,14996.3,44.6, 3Park

R 20.4 , 4 ,55, 3
95553.1971 , 15235.0448 , 43.7 , 4Hotel
R 20.5 , 5 ,55, 3
95370.7926 , 15094.5404 , 39.7 , 5Baseball
R 20.6 , 6 ,55, 3
95476.1300 , 14976.13 , 39.45 , 6Track
R 20.7 , 7 ,55, 1
95563.0932 , 14990.431 , 42.7 , 7SF
R 20.8 , 8 ,55, 1
95630.6282 , 14920.35 , 42.7 , 8SF
R 20.9 , 9 ,55, 1
95633.6123 , 14883.07 , 42.6 , 9SF
R 20.10 , 10 ,55, 2
95646.5904 , 14890.16 , 42.4 , 10SF
R 20.11 , 11 ,55, 3
95715.43 , 14840.77 , 41.72 , LT20.1
R 20.12 , 12 ,55, 20
95735.09 , 14769.04 , 41.5 , 12SF
R 20.13 , 13 ,55, 2
95792.0195 , 14710.37, 41.7 , 13Daycare
R 20.14 , 14 ,55, 5
95795.8506 , 14690.7 , 41.4 , 14MF
R 20.15 , 15 ,55, 8
95792.4048 , 14649.53 , 42.1 , 15MF
R 20.16 , 16 ,55, 4
95842.2505 , 14632.02 , 40.8 , 16MF
R 20.17 , 17 ,55, 5
95831.806 , 14577.4 , 40.5 , 17SF
R 20.18 , 18 ,55, 4
95884.888 , 14498.94 , 38.7 , 18SF
R 20.19 , 19 ,55, 3
95887.1225 , 14451.8239 , 39.6 , 19SF
R 20.20 , 20 ,55, 3
95885.9933 , 14399.59 , 39.7 , 20SF
R 20.21 , 21 ,55, 1
95958.7882 , 14424.69 , 33.6 , 21SF
R 20.22 , 22 ,55, 4
95960.1099 , 14388.81 , 33.0 , 22MF
R 20.23 , 23 ,55, 2
95996.7147 , 14383 , 20.0 , ST20.1/CAL
R 20.24 , 24 ,55, 3
96031.3237 , 14276.41 , 17.4 , 24MF
R 20.25 , 25 ,55, 4
96037.3671 , 14173.42 , 11.8 , 25MF
R 20.26 , 26 ,55, 3
96093.1307, 14045.72 , 8.8 , 26MF
R 20.1A , 27 ,55, 3
96267.44, 14390.82 , 37.5 , 20.1A
D, 4.5
A,A
ALL, ALL
K, 0.
All, All
k, -5
All,9,10,12,15,17,18,19,20

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGMENT 20 NB & SB OCEANSIDE TO MISSION - NO BUILD

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	0.*							857N	331.7	
2	-	0.*							858N	331.6	
3	-	0.*							859N	229.1	
4	-	0.*							859.7N	48.5	
5	-	0.*							859.85N	377.5	
6	-	0.*							861N	330.4	
7	-	0.*							862N	330.9	
8	-	0.*							863N	.0	
9	-	0.*							863N	329.5	
10	-	0.*							864N	.0	
11	-	0.*							864N	251.7	
12	-	0.*							864.8N	98.7	
13	-	0.*							865.2N	103.4	
14	-	0.*							865.5N	226.4	
15	-	0.*							859.7NT	302.1	
16	-	0.*							865.6NT	235.8	
17	-	20.*							864.6NB	119.1	
18	-	3.*							851.5C	154.0	
19	-	3.*							852C	327.8	
20	-	3.*							853C	328.6	
21	-	3.*							854C	328.1	
22	-	3.*							855C	328.2	
23	-	3.*							856C	328.2	
24	-	3.*							857C	328.2	
25	-	3.*							858C	328.2	
26	-	3.*							859C	328.2	
27	-	3.*							860C	328.2	
28	-	3.*							861C	328.1	
29	-	3.*							862C	327.9	
30	-	3.*							863C	327.8	
31	-	3.*							864C	327.8	
32	-	3.*							865C	259.9	
33	-	0.*							851.4S	261.4	
34	-	0.*							852.15S	139.8	
35	-	0.*							852.55S	70.7	
36	-	0.*							852.75S	87.9	

37	-	0.*	853S		.0
38	-	0.*	853S		74.0
39	-	0.*	853.2S		151.0
40	-	0.*	853.7S		76.0
41	-	0.*	853.95S		61.8
42	-	0.*	854.15S		119.7
43	-	0.*	854.5S		162.6
44	-	0.*	855S		328.4
45	-	0.*	856S		78.1
46	-	0.*	856.2S		90.7
47	-	0.*	856.2S		228.2
48	-	0.*	856.9S		.0
49	-	0.*	856.9S		68.2
50	-	0.*	857.1S		49.5
51	-	0.*	857.2S		253.1
52	-	0.*	858S		328.9
53	-	0.*	859S		218.6
54	-	0.*	859.7	S	39.6
55	-	4.*	859.8	S	8.0
56	-	8.*	859.8	S	66.7
57	-	8.*	860	S	324.7
58	-	8.*	861	S	167.6
59	-	8.*	861.55		66.7
60	-	8.*	861.75		90.8
61	-	8.*	862	S	195.3
62	-	4.*	862.8	S	8.0
63	-	0.*	862.8	S	108.4
64	-	0.*	863	S	303.6
65	-	0.*	864	S	320.7
66	-	0.*	865	S	161.4
67	-	0.*	865.4	S	130.1
68	-	0.*	865.9	S	279.0
69	-	0.*	855.4	S	305.1
70	-	0.*	856.15S		76.9
71	-	0.*	856.3	S	216.8
72	-	0.*	865.8ST		446.7
73	-	33.*	854SB		294.4
74	-	33.*	851.6SB		145.6
75	-	0.*	859.7ST		94.6
76	-	0.*	855.5ST		60.6
77	-	0.*	855.6ST		88.5
78	-	0.*	855.8NT		74.2
79	-	0.*	855.6NT		269.3
80	-	0.*	854.9NT		160.3
81	-	0.*	854.5NT		123.2

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82    -  0.*                        854.1NT    99.6

83    -  0.*                        857N      333.4
84    -  0.*                        856N      323.9
85    -  0.*                        855N      191.2
86    -  0.*                        854.4N    212.9
87    -  0.*                        854N      308.9
88    -  0.*                        853.2N    283.5
-------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
---------------------------------
 1   1BASEBA  67.    500.   71.8
 2   ST20.2   67.    500.   74.7
 3   3PARK    67.    500.   70.9
 4   4HOTEL   67.    500.   69.5
 5   5BASEBA  67.    500.   71.9
 6   6TRACK   67.    500.   69.4
 7   7SF      67.    500.   75.3
 8   8SF      67.    500.   72.7
 9   9SF      67.    500.   65.8
10   10SF     67.    500.   66.7
11   LT20.1   67.    500.   73.3
12   12SF     67.    500.   64.9
13   13DAYCA  67.    500.   73.2
14   14MF     67.    500.   72.2
15   15MF     67.    500.   64.7
16   16MF     67.    500.   74.9
17   17SF     67.    500.   63.3
18   18SF     67.    500.   63.2
19   19SF     67.    500.   63.7
20   20SF     67.    500.   62.9
21   21SF     67.    500.   73.8
22   22MF     67.    500.   72.0
23   ST20.1/  67.    500.   69.5
24   24MF     67.    500.   59.6
25   25MF     67.    500.   65.5
26   26MF     67.    500.   60.4
27   20.1A    67.    500.   64.6
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.20. 3. 3. 3. 3. 3. 3. 3. 3.
 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 0. 0. 0. 0. 4. 8. 8. 8. 8. 8. 8. 4. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.33.33. 0.
 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
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Roadway Segment 20 NB & SB Oceanside to Mission - Future No Barrier
T RW Seg 20NB Truck,1
4750,65,194,65,456,65
T RW Seg 20NB Truck,2
4750,65,194,65,456,65
T RW Seg 20NB Car,3
3470,65,130,65,0,0
T RW Seg 20NB Car,4
3470,65,130,65,0,0
T RW Seg 20NB HOV,5
3000,65,0,0,0,0
T RW Seg 20NB HOV,6
3000,65,0,0,0,0
T RW Seg 20NB Off Loop to Oceanside Blvd,7
1890,25,54,25,56,25
T RW Seg 20NB Onramp from Oceanside Blvd,8
945,45,27,45,28,45
T RW Seg 20NB Off Loop to Misson,9
1890,25,54,25,56,25
T RW Seg 20NB NB On Ramp from Mission,10
945,45,27,45,28,45
T RW Seg 20SB Truck,11
4750,65,194,65,456,65
T RW Seg 20SB Truck,12
4750,65,194,65,456,65
T RW Seg 20SB Car,13
3470,65,130,65,0,0
T RW Seg 20SB Car,14
3470,65,130,65,0,0
T RW Seg 20SB HOV,15
3000,65,0,0,0,0
T RW Seg 20SB HOV,16
3000,65,0,0,0,0
T RW Seg 20SB On Loop from Oceanside,17
945,25,27,25,28,25
T RW Seg 20SB Onramp Loop from Mission,18
945,25,27,25,28,25
T RW Seg 20SB SB Off Ramp to Oceanside,19
945,45,27,45,28,45
T RW Seg 20 SB Off Ramp to Mission,20
1890,45,54,45,56,45
L I-5 Seg 20NB Truck,1
N,96287.4,14113.0,16.3, Sta.851.5
N,96271.2,14137.0,17.4, Sta.852
N,96215.9,14218.1,19.8, Sta.853
N,96160.2,14299.7,22.1, Sta.854
N,96103.1,14383.3,24.2, Sta.855
Y,96046.9,14465.6,25.6, Sta.856
N,95990.7,14547.9,29.0, Sta.857
Y,95936.3,14634.0,31.2, Sta.858
N,95877.2,14715.0,34.7, Sta.859
Y,95821.2,14796.6,36.5, Sta.860
N,95765.3,14878.2,39.9, Sta.861
N,95705.8,14960.9,42.2, Sta.862
N,95636.9,15038.1,42.2, Sta.863
N,95560.9,15106.4,40.8, Sta.864

N,95477.8,15166.4,39.7, Sta.865
L I-5 Seg 20NB Truck,2
N,95477.8,15166.4,39.7, Sta.865
N,95423.0,15202.7,38.0, Sta.865.6
L I-5 Seg 20NB Cars,3
N,96282.8,14109.8,16.4, Sta.851.5
N,96267.6,14132.7,17.5, Sta.852
N,96211.4,14215.1,19.9, Sta.853
N,96155.0,14297.4,22.3, Sta.854
N,96098.3,14380.4,24.3, Sta.855
N,96042.4,14462.7,26.7, Sta.856
N,95985.6,14545.5,29.3, Sta.857
N,95929.5,14628.3,31.3, Sta.858
N,95872.8,14711.1,33.8, Sta.859
N,95816.7,14793.2,36.7, Sta.860
N,95760.3,14876.4,39.7, Sta.861
N,95701.0,14958.3,41.7, Sta.862
N,95632.6,15034.6,41.7, Sta.863
N,95556.0,15103.5,40.4, Sta.864
N,95473.8,15161.9,38.7, Sta.865
L I-5 Seg 20NB Cars,4
N,95473.8,15161.9,38.7, Sta.865
N,95414.2,15197.2,37.5, Sta.865.6
L I-5 Seg 20NB HOV,5
N,96274.6,14104.2,16.5, Sta.851.5
N,96259.0,14127.3,17.5, Sta.852
N,96202.8,14209.7,20.0, Sta.853
N,96146.2,14292.5,22.4, Sta.854
N,96089.8,14375.3,24.4, Sta.855
N,96033.5,14458.0,26.8, Sta.856
N,95977.4,14540.3,29.3, Sta.857
N,95921.0,14623.0,31.3, Sta.858
N,95864.6,14705.7,33.9, Sta.859
N,95808.2,14788.3,36.8, Sta.860
N,95752.1,14870.8,39.8, Sta.861
N,95693.1,14952.3,41.5, Sta.862
N,95625.8,15027.6,41.5, Sta.863
N,95550.5,15094.8,40.0, Sta.864
N,95468.6,15153.8,38.4, Sta.865
L I-5 Seg 20NB HOV,6
N,95468.6,15153.8,38.4, Sta.865
N,95404.3,15191.5,37.5, Sta.865.6
L I-5 Seg 20NB NB Offramp loop to Ocean Blvd,7
N,96404.7,13965.5,14.3,849+05
N,96348.1,14066.0,14.6,851+00
N,96299.0,14153.2,16.5,852+00
N,96273.3,14205.9,15.9,852+60
Y,96284.9,14237.1,14.4,853+00
Y,96319.2,14240.2,12.1,853+40
N,96353.6,14195.0,9.1,854+00
Y,96376.2,14162.4,8.1,853+60
L I-5 Seg 20NB NB Onramp from Ocean Blvd,8
Y,96375.8,14183.7,8.5,851+60
Y,96328.8,14249.8,12.0,852+40
Y,96277.3,14281.9,16.0,853+00
N,96188.0,14325.4,21.0,854+00

N,96142.9,14363.3,22.8,854+60
N,96094.6,14426.9,24.6,855+40
N,96059.7,14475.7,26.1,865+00
N,96002.2,14556.1,28.8,857+00
L I-5 Seg 20NB NB Off Loop to Misson Ave,9
N,95777.7,14870.3,39.2,860+85
N,95717.8,14968.5,42.3,862+00
N,95654.3,15046.3,43.0,863+00
Y,95578.5,15112.3,41.5,864+00
N,95497.9,15172.0,39.1,865+00
Y,95411.3,15222.5,37.4,866+00
Y,95384.5,15247.2,37.7,866+40
N,95384.8,15281.1,38.3,866+80
Y,95412.0,15300.5,39.8,867+20
N,95444.3,15290.5,41.0,867+60
Y,95465.5,15257.2,42.1,868+00
L I-5 Seg 20NB NB On Ramp from Mission,10
N,95483.0,15251.9,42.4,864+80
N,95448.4,15302.3,40.2,865+40
N,95429.3,15311.5,39.4,865+60
N,95407.4,15312.7,38.6,865+80
N,95336.6,15274.0,35.3,866+60
N,95299.4,15272.0,33.9,867+00
N,95205.2,15303.2,30.9,868+00
N,95112.2,15340.2,30.1,869+00
N,95020.0,15378.6,31.2,870+00
L I-5 Seg 20SB Truck,11
N,95369.5,15170.7,35.7, Sta.866
N,95452.3,15126.3,37.0, Sta.865
N,95530.0,15070.8,38.8, Sta.864
N,95603.2,15004.8,40.2, Sta.863
N,95667.0,14933.9,40.2, Sta.862
N,95725.1,14852.8,39.4, Sta.861
N,95780.9,14771.6,36.5, Sta.860
N,95838.3,14686.7,33.5, Sta.859
N,95893.8,14605.7,31.0, Sta.858
N,95950.8,14522.2,29.0, Sta.857
N,96006.5,14440.4,26.7, Sta.856
N,96063.5,14357.4,24.2, Sta.855
N,96119.4,14275.1,22.0, Sta.854
N,96176.0,14191.7,19.7, Sta.853
Y,96231.9,14110.3,17.4, Sta.852
L I-5 Seg 20SB Truck,12
N,96231.9,14110.3,17.4, Sta.852
N,96248.7,14085.3,16.2, Sta.851.7
L I-5 Seg 20SB Cars,13
N,95377.3,15175.4,36.0, Sta.866
N,95453.9,15130.8,37.5, Sta.865
N,95533.1,15074.8,39.2, Sta.864
N,95606.7,15007.9,40.7, Sta.863
N,95671.7,14936.1,40.8, Sta.862
N,95729.2,14856.1,39.6, Sta.861
N,95785.4,14774.3,38.7, Sta.860
N,95841.4,14691.9,33.8, Sta.859
N,95897.5,14608.8,31.3, Sta.858
N,95954.5,14525.7,29.2, Sta.857

N,96010.7,14443.1,26.7, Sta.856
N,96067.2,14361.3,24.3, Sta.855
N,96123.0,14279.2,22.3, Sta.854
N,96180.2,14195.3,19.8, Sta.853
N,96236.1,14113.5,17.5, Sta.852
L I-5 Seg 20SB Cars,14
N,96236.1,14113.5,17.5, Sta.852
N,96253.7,14088.6,16.4, Sta.851.7
L I-5 Seg 20SB HOV,15
N,95386.9,15181.0,36.5, Sta.866
N,95459.8,15139.0,37.9, Sta.865
N,95539.6,15082.4,39.5, Sta.864
N,95614.2,15015.6,41.0, Sta.863
N,95679.8,14942.3,41.0, Sta.862
N,95738.1,14861.7,39.6, Sta.861
N,95794.2,14779.3,36.8, Sta.860
N,95850.9,14696.0,33.9, Sta.859
N,95907.4,14613.6,31.4, Sta.858
N,95963.4,14531.3,29.3, Sta.857
N,96019.9,14448.3,26.9, Sta.856
N,96076.4,14365.6,24.4, Sta.855
N,96132.9,14283.1,22.4, Sta.854
N,96188.5,14201.4,20.0, Sta.853
N,96245.3,14117.8,17.6, Sta.852
L I-5 Seg 20SB HOV,16
N,96245.3,14117.8,17.6, Sta.852
N,96261.9,14093.7,16.5, Sta.851.7
L I-5 Seg 20SB SB On Loop from Oceanside Blvd,17
Y,96179.7,14019.1,7.0,854+60
Y,96145.4,14068.8,9.4,854+00
Y,96123.9,14099.9,12.8,853+60
Y,96131.3,14133.0,15.2,853+20
N,96161.4,14146.3,17.0,852+80
N,96190.3,14128.7,17.5,852+40
N,96215.4,14097.7,17.0,852+00
N,96275.5,14017.6,14.7,851+00
N,96331.7,13934.9,14.3,850+00
L I-5 Seg 20SB SB Onramp Loop from Mission Ave,18
Y,95247.4,15125.1,35.8,868+00
Y,95231.1,15158.9,34.3,867+60
Y,95242.8,15189.7,33.6,867+20
Y,95275.8,15195.9,33.8,866+80
N,95348.7,15165.0,35.2,866+00
N,95436.9,15119.2,36.9,865+00
N,95520.2,15064.8,38.7,864+00
N,95596.3,15000.8,40.1,863+00
N,95638.0,14959.6,40.3,862+40
N,95664.9,14928.2,40.2,862+00
L I-5 Seg 20SB SB Off Ramp to Oceanside,19
N,95994.7,14435.3,26.8,856+00
N,96045.3,14345.2,23.5,855+00
N,96071.6,14291.7,21.8,854+40
Y,96087.2,14234.2,19.1,853+80
Y,96092.2,14154.2,14.7,853+00
Y,96109.4,14094.5,11.2,852+40
Y,96166.8,14008.7,7.1,851+55

L RW Seg 20 SB Off Ramp to Mission,20
N,94977.6,15335.3,31.8,870+20
N,95031.8,15306.9,30.6,869+60
N,95085.0,15279.1,29.9,869+00
N,95137.9,15251.1,30.0,868+40
N,95168.0,15226.7,30.8,868+00
N,95201.4,15177.9,33.1,867+40
N,95242.6,15109.0,36.3,866+60
Barrier 1 Terrain Line ROW NB,1,2,0,0
96000.02,14553.3,28.7,28.7, 857N
95943.1,14636.9,31.1,31.1, 858N
95886.18,14720.4,33.6,33.6, 859N
95847.11,14777.7,41.5,41.5, 859.7N
95838.51,14789.7,41.0,41.0, 859.85N
Barrier 2 Soundwall ROW NB,2,2,0,0
95838.51,14789.7,41.0,41.0, 859.85N
95773.69,14884.8,40.8,40.8, 861N
95746.4,14936.2,41.8,42.7,861+58
95698.8,15005.1,42.9,43.8,862+40
95658.3,15051.0,43.0,43.9,863+00
95581.3,15118.2,41.5,42.4,864+00
95581.3,15118.2,41.5,42.4,864+00
95522.04,15164.2,40.5,40.5, 864.8N
95506.12,15189.8,40.2,40.2, 865.2N
95510.82,15220.9,40.6,40.6, 865.5N
95559.16,15270.1,41.6,41.6, 866.2N
Barrier 3 Terrain NB,3,2,0,0
95847.25,14777.9,41.5,41.5, 859.7NT
95922.71,14830.6,39.7,39.7, 859.7NT
Barrier 4 Terrain NB,4,2,0,0
95451.34,15204.1,44.3,44.3, 865.6NT
95513.22,15240.6,41.2,41.2, 856.6NT
Barrier 5 Building NB,5,2,0,0
95519.3,15197.7,41.1,47.1,865+00
95537.8,15167.9,41.1,47.1,864+75
95537.8,15167.9,41.1,41.1,864+75
95554.0,15165.0,41.6,41.6,864+50
95554.0,15165.0,41.6,49.6,864+50
95598.3,15175.2,41.8,49.8,864+30
95598.3,15175.2,41.8,41.8,864+30
95682.3,15039.8,42.6,42.6,862+80
95682.3,15039.8,42.6,49.1,862+80
95706.1,15014.0,42.8,49.3,862+42
95744.0,15036.9,43.3,49.8,862+38
Barrier 6 Divider Jersey Barrier,6,2,0,0
96278.49,14083.9,16.5,17.5, 851.5C
96252.04,14122.6,17.6,18.6, 852C
96195.74,14205.2,20.0,21.0, 853C
96139.34,14287.9,22.4,23.4, 854C
96082.99,14370.5,24.4,25.4, 855C
96026.64,14453.1,26.8,27.8, 856C
95970.29,14535.7,29.2,30.2, 857C
95913.94,14618.3,31.5,32.5, 858C
95857.59,14700.9,33.8,34.8, 859C
95801.24,14783.5,36.8,37.8, 860C
Barrier 7 Divider Jersey Barrier,7,2,0,0

95801.24,14783.5,36.8,37.8, 860C
95744.9,14866.2,39.7,40.7, 861C
95686.33,14947.2,41.2,42.2, 862C
95619.65,15021.7,41.3,42.3, 863C
95545.3,15088.4,39.8,40.8, 864C
95464.12,15146.6,38.1,39.1, 865C
95395.59,15186.4,36.7,37.7, 865.8C
Barrier 8 Soundwall ROW SB,8,2,0,0
95990.8,14432.5,26.5,27.4,856+00
96031.3,14360.4,24.0,24.9,855+20
96059.6,14308.2,22.4,23.3,854+60
96074.8,14267.5,20.8,21.7,854+15
96082.3,14235.4,19.1,20.0,853+80
96082.9,14212.0,18.0,18.9,853+58
96082.9,14212.0,18.0,18.0,853+58
96086.0,14152.4,14.7,14.70,853+00
96103.7,14090.6,11.2,11.20,852+40
96157.5,14010.9,7.1,7.10,851+63
Barrier 9 Soundwall ROW SB,9,2,0,0
95990.8,14432.5,26.5,26.5, 856S
95984.24,14453.5,27.4,27.4, 856.2S
95968.88,14476.5,27.5,27.5, 856.5S
Barrier 10 Soundwall ROW SB,10,2,0,0
95984.24,14453.5,27.4,27.4, 856.2S
95933.61,14500.2,36.8,36.8, 856.9S
95933.61,14500.2,36.8,36.8, 856.9S
95928.26,14520.3,37.5,37.5, 857.1S
95918.47,14531.8,38.1,38.1, 857.2S
95876.22,14596.3,38.5,38.5, 858S
95822.23,14680.8,39.8,39.8, 859S
95787.61,14737.7,42.3,42.3, 859.7S
Barrier 11 Soundwall ROW SB,11,2,0,0
95787.61,14737.7,42.3,44.7, 859.7S
95784.58,14749.2,40.1,42.5, 859.8S
95784.58,14749.2,40.1,42.5, 859.8S
95773,14765.8,40.2,42.6, 860S
95716.59,14847.2,40.1,42.5, 861S
95716.59,14847.2,40.1,42.5, 861S
95685.72,14887.9,40.9,43.3, 861.55S
95675.03,14905.2,40.7,43.1, 861.75S
95656.22,14925.5,40.8,43.3, 862S
Barrier 12 Soundwall ROW SB,12,2,0,0
95656.22,14925.5,40.8,43.3, 862S
95615.73,14969.1,41.2,43.7, 862.8S
95615.73,14969.1,41.2,43.7, 862.8S
95590.48,14990.4,40.8,43.2, 863S
95590.48,14990.4,40.8,40.8, 863S
95517.29,15047.0,39.5,39.5, 864S
95431.93,15094.7,38.7,38.7, 865S
95386.03,15112.4,38.2,38.2, 865.4S
95346.38,15112.2,37.8,37.8, 865.9S
95265.36,15086.4,36.4,36.4, 866.8S
Barrier 13 Terrain SB,13,2,0,0
95962,14337.3,30.0,30.0,855.4,ST
95962,14430.3,30.0,30.0, 856.15ST
95939.17,14434.5,33.2,33.2,856.3,ST

95933.61,14500.2,36.7,36.7,859.9,ST
Barrier 14 Terrain SB,14,2,0,0
95359.22,15149.4,41.8,41.8, 865.8ST
95246.2,15105.8,36.5,36.5, 866ST
Barrier 15 Buiding SB,15,2,0,0
96054.3845,14249.1,13.6,23.6, 854SB
96012.72,14328.6,13.7,23.7, 855SB
Barrier 16 Buiding SB,16,2,0,0
96120.3472,14029.6,7.6,17.6, 851.6SB
96097.2824,14067.5,7.4,17.4, 852.2SB
Barrier 17 Terrain Line SB,17,2,0,0
95765.49,14719.3,40.1,40.1, 859.7ST
95787.61,14737.7,42.3,42.3, 859.7ST
Barrier 18 Terrain line SB,18,2,0,0
96020.24,14381.8,22.0,22.0, 855.5ST
96009.5,14396.7,24.1,24.1, 855.6ST
95988.2,14413.3,24.0,24.0, 855.8ST
Barrier 19 Terrain line NB Golf Course,19,2,0,0
96166.67,14528.8,38.0,38.0, 855.8NT
96161.42,14506.8,38.0,38.0, 855.6NT
96214.54,14444.3,41.0,41.0, 854.9NT
96220.17,14395.8,40.0,40.0, 854.5NT
96248.78,14371.8,36.0,36.0, 854.1NT
96278.87,14375.1,34.0,34.0, 853.95NT
Barrier 20 Soundwall NB Golf Course,20,2,0,0
96354.89,14243.1,10.5,10.5, 852.3N
96306.84,14313.2,26.0,26.0, 853.2N
96219.34,14346.2,37.0,37.0, 854N
96183.3,14347.2,32.1,32.1,854+15
96128.0,14402.3,21.5,21.5,855+00
96070.1,14481.9,26.0,26.0,856+00
96012.2,14562.4,28.0,28.0,857+00
95954.3,14642.8,30.5,30.5,858+00
95896.2,14726.2,33.0,33.0,859+00
R 20.1 ,1,55,3
95847.36,14852.7,43.2, 1Baseball
R 20.2 ,2,55,4,
95770.42,14932.1,43.9, ST20.2
R 20.3 ,3,55,2,
95774.50,14996.3,44.6, 3Park
R 20.4 ,4,55,3,
95553.20,15235.0,43.7, 4Hotel
R 20.5 ,5,55,3,
95370.79,15094.5,39.7, 5Baseball
R 20.6 ,6,55,3,
95476.13,14976.1,39.5, 6Track
R 20.7 ,7,55,1,
95563.09,14990.4,42.7, 7SF
R 20.8 ,8,55,1
95630.63,14920.4,42.7, 8SF
R 20.9 ,9,55,1
95633.61,14883.1,42.6, 9SF
R 20.10 ,10,55,2
95646.59,14890.2,42.4, 10SF
R 20.11 ,11,55,3
95717.54,14841.6,41.4, LT20.1

R 20.12 ,12,55,20
95735.09,14769.0,41.5, 12SF
R 20.13 ,13,55,2
95792.02,14710.4,41.7, 13Daycare
R 20.14 ,14,55,5
95795.85,14690.7,41.4, 14MF
R 20.15 ,15,55,8
95792.40,14649.5,42.1, 15MF
R 20.16 ,16,55,4
95842.25,14632.0,40.8, 16MF
R 20.17 ,17,55,5
95831.81,14577.4,40.5, 17SF
R 20.18 ,18,55,4
95884.89,14498.9,38.7, 18SF
R 20.19 ,19,55,3
95887.12,14451.8,39.6, 19SF
R 20.20 ,20,55,3
95885.99,14399.6,39.7, 20SF
R 20.21 ,21,55,1
95958.79,14424.7,33.6, 21SF
R 20.22 ,22,55,4
95960.11,14388.8,33.0, 22MF
R 20.23 ,23,55,2
95996.71,14383.0,20.0, ST20.1/CAL
R 20.24 ,24,55,3,
96031.32,14276.4,17.4, 24MF
R 20.25 ,25,55,4,
96037.37,14173.4,11.8, 25MF
R 20.26 ,26,55,3,
96093.13,14045.7,8.8, 26MF
R 20.1A ,27,55,3,
96267.44,14390.8,37.5, 20.1A
D,4.5
A,A
ALL, ALL
K,0
All, All
K,-5
All,9,10,12,15,17,18,19,20

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGMENT 20 NB & SB OCEANSIDE TO MISSION - NO BARRIER

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	0.*							857N	331.9	
2	-	0.*							858N	331.7	
3	-	0.*							859N	229.0	
4	-	0.*							859.7N	48.4	
5	-	0.*							859.85N	377.6	
6	-	2.*							861N	191.1	
7	-	3.*							861+58	274.7	
8	-	3.*							862+40	200.8	
9	-	3.*							863+00	335.4	
10	-	3.*							864+00	.0	
11	-	1.*							864+00	246.2	
12	-	0.*							864.8N	98.9	
13	-	0.*							865.2N	103.2	
14	-	0.*							865.5N	226.4	
15	-	0.*							859.7NT	302.1	
16	-	0.*							865.6NT	235.9	
17	-	20.*							865+00	115.0	
18	-	10.*							864+75	19.7	
19	-	0.*							864+75	54.1	
20	-	13.*							864+50	26.2	
21	-	26.*							864+50	149.1	
22	-	13.*							864+30	26.3	
23	-	0.*							864+30	522.8	
24	-	11.*							862+80	21.3	
25	-	21.*							862+80	115.2	
26	-	21.*							862+42	145.3	
27	-	3.*							851.5C	153.9	
28	-	3.*							852C	328.1	
29	-	3.*							853C	328.5	
30	-	3.*							854C	328.1	
31	-	3.*							855C	328.2	
32	-	3.*							856C	328.1	
33	-	3.*							857C	328.2	
34	-	3.*							858C	328.2	
35	-	3.*							859C	328.2	
36	-	3.*							860C	328.4	
37	-	3.*							861C	328.0	

38	- 3.*	862C	328.0
39	- 3.*	863C	327.8
40	- 3.*	864C	327.8
41	- 3.*	865C	260.0
42	- 3.*	856+00	271.4
43	- 3.*	855+20	194.9
44	- 3.*	854+60	142.6
45	- 3.*	854+15	108.3
46	- 3.*	853+80	76.9
47	- 1.*	853+58	2.9
48	- 0.*	853+58	196.1
49	- 0.*	853+00	211.3
50	- 0.*	852+40	315.8
51	- 0.*	856S	72.2
52	- 0.*	856.2S	90.8
53	- 0.*	856.2S	228.1
54	- 0.*	856.9S	.0
55	- 0.*	856.9S	68.3
56	- 0.*	857.1S	49.6
57	- 0.*	857.2S	253.0
58	- 0.*	858S	329.1
59	- 0.*	859S	218.6
60	- 8.*	859.7S	39.8
61	- 8.*	859.8S	.0
62	- 8.*	859.8S	66.4
63	- 8.*	860S	325.0
64	- 8.*	861S	.0
65	- 8.*	861S	167.6
66	- 8.*	861.55S	66.7
67	- 8.*	861.75S	90.9
68	- 8.*	862S	195.2
69	- 8.*	862.8S	.0
70	- 8.*	862.8S	108.4
71	- 4.*	863S	7.8
72	- 0.*	863S	303.6
73	- 0.*	864S	320.8
74	- 0.*	865S	161.4
75	- 0.*	865.4S	130.1
76	- 0.*	865.9S	279.0
77	- 0.*	855.4	305.1
78	- 0.*	856.15S	76.9
79	- 0.*	856.3	216.6
80	- 0.*	865.8ST	397.8
81	- 33.*	854SB	294.5
82	- 33.*	851.6SB	145.5
83	- 0.*	859.7ST	94.7

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84    -  0.*                        855.5ST    60.6
85    -  0.*                        855.6ST    88.6

86    -  0.*                        855.8NT    74.2
87    -  0.*                        855.6NT   269.3
88    -  0.*                        854.9NT   160.2
89    -  0.*                        854.5NT   123.1
90    -  0.*                        854.1NT    99.6

91    -  0.*                        852.3N    283.5
92    -  0.*                        853.2N    309.0
93    -  0.*                        854N      119.3
94    -  0.*                       854+15     258.4
95    -  0.*                       855+00     323.3
96    -  0.*                       856+00     325.4
97    -  0.*                       857+00     325.2
98    -  0.*                       858+00     333.5
--------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
--------------------------------
 1  1BASEBA  67.    500.   73.9
 2  ST20.2   67.    500.   77.2
 3  3PARK    67.    500.   72.5
 4  4HOTEL   67.    500.   68.3
 5  5BASEBA  67.    500.   72.8
 6  6TRACK   67.    500.   71.0
 7  7SF      67.    500.   77.4
 8  8SF      67.    500.   74.3
 9  9SF      67.    500.   67.4
10  10SF     67.    500.   68.4
11  LT20.1   67.    500.   74.1
12  12SF     67.    500.   66.2
13  13DAYCA  67.    500.   74.8
14  14MF     67.    500.   73.8
15  15MF     67.    500.   66.5
16  16MF     67.    500.   76.9
17  17SF     67.    500.   65.2
18  18SF     67.    500.   65.3
19  19SF     67.    500.   65.8
20  20SF     67.    500.   65.0
21  21SF     67.    500.   76.3
22  22MF     67.    500.   74.4
23  ST20.1/  67.    500.   68.8
24  24MF     67.    500.   61.9
25  25MF     67.    500.   68.5
26  26MF     67.    500.   62.8
27  20.1A    67.    500.   66.6
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
```

0. 0. 0. 0. 0. 2. 3. 3. 3. 3. 1. 0. 0. 0. 0. 0.20.10. 0.13.26.13. 0.11.21.
21. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 1. 0. 0. 0.
0. 0. 0. 0. 0. 0. 0. 0. 0. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 4. 0. 0. 0. 0.
0. 0. 0. 0. 0.33.33. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.

Roadway Segment 20 NB & SB Oceanside to Mission - Design
T RW Seg 20NB Truck,1
4750,65,194,65,456,65
T RW Seg 20NB Truck,2
4750,65,194,65,456,65
T RW Seg 20NB Car,3
3470,65,130,65,0,0
T RW Seg 20NB Car,4
3470,65,130,65,0,0
T RW Seg 20NB HOV,5
3000,65,0,0,0,0
T RW Seg 20NB HOV,6
3000,65,0,0,0,0
T RW Seg 20NB Off Loop to Oceanside Blvd,7
1890,25,54,25,56,25
T RW Seg 20NB Onramp from Oceanside Blvd,8
945,45,27,45,28,45
T RW Seg 20NB Off Loop to Misson,9
1890,25,54,25,56,25
T RW Seg 20NB NB On Ramp from Mission,10
945,45,27,45,28,45
T RW Seg 20SB Truck,11
4750,65,194,65,456,65
T RW Seg 20SB Truck,12
4750,65,194,65,456,65
T RW Seg 20SB Car,13
3470,65,130,65,0,0
T RW Seg 20SB Car,14
3470,65,130,65,0,0
T RW Seg 20SB HOV,15
3000,65,0,0,0,0
T RW Seg 20SB HOV,16
3000,65,0,0,0,0
T RW Seg 20SB On Loop from Oceanside,17
945,25,27,25,28,25
T RW Seg 20SB Onramp Loop from Mission,18
945,25,27,25,28,25
T RW Seg 20SB SB Off Ramp to Oceanside,19
945,45,27,45,28,45
T RW Seg 20 SB Off Ramp to Mission,20
1890,45,54,45,56,45
L I-5 Seg 20NB Truck,1
N,96287.4,14113.0,16.3, Sta.851.5
N,96271.2,14137.0,17.4, Sta.852
N,96215.9,14218.1,19.8, Sta.853
N,96160.2,14299.7,22.1, Sta.854
N,96103.1,14383.3,24.2, Sta.855
Y,96046.9,14465.6,25.6, Sta.856
N,95990.7,14547.9,29.0, Sta.857
Y,95936.3,14634.0,31.2, Sta.858
N,95877.2,14715.0,34.7, Sta.859
Y,95821.2,14796.6,36.5, Sta.860
N,95765.3,14878.2,39.9, Sta.861
N,95705.8,14960.9,42.2, Sta.862
N,95636.9,15038.1,42.2, Sta.863
N,95560.9,15106.4,40.8, Sta.864

N,95477.8,15166.4,39.7, Sta.865
L I-5 Seg 20NB Truck,2
N,95477.8,15166.4,39.7, Sta.865
N,95423.0,15202.7,38.0, Sta.865.6
L I-5 Seg 20NB Cars,3
N,96282.8,14109.8,16.4, Sta.851.5
N,96267.6,14132.7,17.5, Sta.852
N,96211.4,14215.1,19.9, Sta.853
N,96155.0,14297.4,22.3, Sta.854
N,96098.3,14380.4,24.3, Sta.855
N,96042.4,14462.7,26.7, Sta.856
N,95985.6,14545.5,29.3, Sta.857
N,95929.5,14628.3,31.3, Sta.858
N,95872.8,14711.1,33.8, Sta.859
N,95816.7,14793.2,36.7, Sta.860
N,95760.3,14876.4,39.7, Sta.861
N,95701.0,14958.3,41.7, Sta.862
N,95632.6,15034.6,41.7, Sta.863
N,95556.0,15103.5,40.4, Sta.864
N,95473.8,15161.9,38.7, Sta.865
L I-5 Seg 20NB Cars,4
N,95473.8,15161.9,38.7, Sta.865
N,95414.2,15197.2,37.5, Sta.865.6
L I-5 Seg 20NB HOV,5
N,96274.6,14104.2,16.5, Sta.851.5
N,96259.0,14127.3,17.5, Sta.852
N,96202.8,14209.7,20.0, Sta.853
N,96146.2,14292.5,22.4, Sta.854
N,96089.8,14375.3,24.4, Sta.855
N,96033.5,14458.0,26.8, Sta.856
N,95977.4,14540.3,29.3, Sta.857
N,95921.0,14623.0,31.3, Sta.858
N,95864.6,14705.7,33.9, Sta.859
N,95808.2,14788.3,36.8, Sta.860
N,95752.1,14870.8,39.8, Sta.861
N,95693.1,14952.3,41.5, Sta.862
N,95625.8,15027.6,41.5, Sta.863
N,95550.5,15094.8,40.0, Sta.864
N,95468.6,15153.8,38.4, Sta.865
L I-5 Seg 20NB HOV,6
N,95468.6,15153.8,38.4, Sta.865
N,95404.3,15191.5,37.5, Sta.865.6
L I-5 Seg 20NB NB Offramp loop to Ocean Blvd,7
N,96404.7,13965.5,14.3,849+05
N,96348.1,14066.0,14.6,851+00
N,96299.0,14153.2,16.5,852+00
N,96273.3,14205.9,15.9,852+60
Y,96284.9,14237.1,14.4,853+00
Y,96319.2,14240.2,12.1,853+40
N,96353.6,14195.0,9.1,854+00
Y,96376.2,14162.4,8.1,853+60
L I-5 Seg 20NB NB Onramp from Ocean Blvd,8
Y,96375.8,14183.7,8.5,851+60
Y,96328.8,14249.8,12.0,852+40
Y,96277.3,14281.9,16.0,853+00
N,96188.0,14325.4,21.0,854+00

N,96142.9,14363.3,22.8,854+60
N,96094.6,14426.9,24.6,855+40
N,96059.7,14475.7,26.1,865+00
N,96002.2,14556.1,28.8,857+00
L I-5 Seg 20NB NB Off Loop to Misson Ave,9
N,95777.7,14870.3,39.2,860+85
N,95717.8,14968.5,42.3,862+00
N,95654.3,15046.3,43.0,863+00
Y,95578.5,15112.3,41.5,864+00
N,95497.9,15172.0,39.1,865+00
Y,95411.3,15222.5,37.4,866+00
Y,95384.5,15247.2,37.7,866+40
N,95384.8,15281.1,38.3,866+80
Y,95412.0,15300.5,39.8,867+20
N,95444.3,15290.5,41.0,867+60
Y,95465.5,15257.2,42.1,868+00
L I-5 Seg 20NB NB On Ramp from Mission,10
N,95483.0,15251.9,42.4,864+80
N,95448.4,15302.3,40.2,865+40
N,95429.3,15311.5,39.4,865+60
N,95407.4,15312.7,38.6,865+80
N,95336.6,15274.0,35.3,866+60
N,95299.4,15272.0,33.9,867+00
N,95205.2,15303.2,30.9,868+00
N,95112.2,15340.2,30.1,869+00
N,95020.0,15378.6,31.2,870+00
L I-5 Seg 20SB Truck,11
N,95369.5,15170.7,35.7, Sta.866
N,95452.3,15126.3,37.0, Sta.865
N,95530.0,15070.8,38.8, Sta.864
N,95603.2,15004.8,40.2, Sta.863
N,95667.0,14933.9,40.2, Sta.862
N,95725.1,14852.8,39.4, Sta.861
N,95780.9,14771.6,36.5, Sta.860
N,95838.3,14686.7,33.5, Sta.859
N,95893.8,14605.7,31.0, Sta.858
N,95950.8,14522.2,29.0, Sta.857
N,96006.5,14440.4,26.7, Sta.856
N,96063.5,14357.4,24.2, Sta.855
N,96119.4,14275.1,22.0, Sta.854
N,96176.0,14191.7,19.7, Sta.853
Y,96231.9,14110.3,17.4, Sta.852
L I-5 Seg 20SB Truck,12
N,96231.9,14110.3,17.4, Sta.852
N,96248.7,14085.3,16.2, Sta.851.7
L I-5 Seg 20SB Cars,13
N,95377.3,15175.4,36.0, Sta.866
N,95453.9,15130.8,37.5, Sta.865
N,95533.1,15074.8,39.2, Sta.864
N,95606.7,15007.9,40.7, Sta.863
N,95671.7,14936.1,40.8, Sta.862
N,95729.2,14856.1,39.6, Sta.861
N,95785.4,14774.3,38.7, Sta.860
N,95841.4,14691.9,33.8, Sta.859
N,95897.5,14608.8,31.3, Sta.858
N,95954.5,14525.7,29.2, Sta.857

N,96010.7,14443.1,26.7, Sta.856
N,96067.2,14361.3,24.3, Sta.855
N,96123.0,14279.2,22.3, Sta.854
N,96180.2,14195.3,19.8, Sta.853
N,96236.1,14113.5,17.5, Sta.852
L I-5 Seg 20SB Cars,14
N,96236.1,14113.5,17.5, Sta.852
N,96253.7,14088.6,16.4, Sta.851.7
L I-5 Seg 20SB HOV,15
N,95386.9,15181.0,36.5, Sta.866
N,95459.8,15139.0,37.9, Sta.865
N,95539.6,15082.4,39.5, Sta.864
N,95614.2,15015.6,41.0, Sta.863
N,95679.8,14942.3,41.0, Sta.862
N,95738.1,14861.7,39.6, Sta.861
N,95794.2,14779.3,36.8, Sta.860
N,95850.9,14696.0,33.9, Sta.859
N,95907.4,14613.6,31.4, Sta.858
N,95963.4,14531.3,29.3, Sta.857
N,96019.9,14448.3,26.9, Sta.856
N,96076.4,14365.6,24.4, Sta.855
N,96132.9,14283.1,22.4, Sta.854
N,96188.5,14201.4,20.0, Sta.853
N,96245.3,14117.8,17.6, Sta.852
L I-5 Seg 20SB HOV,16
N,96245.3,14117.8,17.6, Sta.852
N,96261.9,14093.7,16.5, Sta.851.7
L I-5 Seg 20SB SB On Loop from Oceanside Blvd,17
Y,96179.7,14019.1,7.0,854+60
Y,96145.4,14068.8,9.4,854+00
Y,96123.9,14099.9,12.8,853+60
Y,96131.3,14133.0,15.2,853+20
N,96161.4,14146.3,17.0,852+80
N,96190.3,14128.7,17.5,852+40
N,96215.4,14097.7,17.0,852+00
N,96275.5,14017.6,14.7,851+00
N,96331.7,13934.9,14.3,850+00
L I-5 Seg 20SB SB Onramp Loop from Mission Ave,18
Y,95247.4,15125.1,35.8,868+00
Y,95231.1,15158.9,34.3,867+60
Y,95242.8,15189.7,33.6,867+20
Y,95275.8,15195.9,33.8,866+80
N,95348.7,15165.0,35.2,866+00
N,95436.9,15119.2,36.9,865+00
N,95520.2,15064.8,38.7,864+00
N,95596.3,15000.8,40.1,863+00
N,95638.0,14959.6,40.3,862+40
N,95664.9,14928.2,40.2,862+00
L I-5 Seg 20SB SB Off Ramp to Oceanside,19
N,95994.7,14435.3,26.8,856+00
N,96045.3,14345.2,23.5,855+00
N,96071.6,14291.7,21.8,854+40
Y,96087.2,14234.2,19.1,853+80
Y,96092.2,14154.2,14.7,853+00
Y,96109.4,14094.5,11.2,852+40
Y,96166.8,14008.7,7.1,851+55

L RW Seg 20 SB Off Ramp to Mission,20
N,94977.6,15335.3,31.8,870+20
N,95031.8,15306.9,30.6,869+60
N,95085.0,15279.1,29.9,869+00
N,95137.9,15251.1,30.0,868+40
N,95168.0,15226.7,30.8,868+00
N,95201.4,15177.9,33.1,867+40
N,95242.6,15109.0,36.3,866+60
Barrier 1 Terrain Line ROW NB,1,2,0,0
96000.02,14553.3,28.7,28.7, 857N
95943.1,14636.9,31.1,31.1, 858N
95886.18,14720.4,33.6,33.6, 859N
95847.11,14777.7,41.5,41.5, 859.7N
95838.51,14789.7,41.0,41.0, 859.85N
95838.51,14789.7,41.0,45.3, 859.85N
95773.69,14884.8,40.8,45.1, 861N
95773.69,14884.8,40.8,44.5, 861N
Barrier 2 Soundwall S862 ROW NB,2,2,0,0
95773.69,14884.8,40.8,44.5, 861N
95746.4,14936.2,41.8,45.5,861+58
95698.8,15005.1,42.9,46.6,862+40
95698.8,15005.1,42.9,42.9,862+40
95658.3,15051.0,43.0,43.0,863+00
95581.3,15118.2,41.5,41.5,864+00
95522.04,15164.2,40.5,40.5, 864.8N
95506.12,15189.8,40.2,40.2, 865.2N
95510.82,15220.9,40.6,40.6, 865.5N
95559.16,15270.1,41.6,41.6, 866.2N
Barrier 3 Terrain NB,3,2,0,0
95847.25,14777.9,41.5,41.5, 859.7NT
95922.71,14830.6,39.7,39.7, 859.7NT
Barrier 4 Terrain NB,4,2,0,0
95451.34,15204.1,44.3,44.3, 865.6NT
95513.22,15240.6,41.2,41.2, 856.6NT
Barrier 5 Building NB,5,2,0,0
95519.3,15197.7,41.1,47.1,865+00
95537.8,15167.9,41.1,47.1,864+75
95537.8,15167.9,41.1,41.1,864+75
95554.0,15165.0,41.6,41.6,864+50
95554.0,15165.0,41.6,49.6,864+50
95598.3,15175.2,41.8,49.8,864+30
95598.3,15175.2,41.8,41.8,864+30
95682.3,15039.8,42.6,42.6,862+80
95682.3,15039.8,42.6,49.1,862+80
95706.1,15014.0,42.8,49.3,862+42
95744.0,15036.9,43.3,49.8,862+38
Barrier 6 Divider Jersey Barrier,6,2,0,0
96278.49,14083.9,16.5,17.5, 851.5C
96252.04,14122.6,17.6,18.6, 852C
96195.74,14205.2,20.0,21.0, 853C
96139.34,14287.9,22.4,23.4, 854C
96082.99,14370.5,24.4,25.4, 855C
96026.64,14453.1,26.8,27.8, 856C
95970.29,14535.7,29.2,30.2, 857C
95913.94,14618.3,31.5,32.5, 858C
95857.59,14700.9,33.8,34.8, 859C

95801.24,14783.5,36.8,37.8, 860C
Barrier 7 Divider Jersey Barrier,7,2,0,0,
95801.24,14783.5,36.8,37.8, 860C
95744.9,14866.2,39.7,40.7, 861C
95686.33,14947.2,41.2,42.2, 862C
95619.65,15021.7,41.3,42.3, 863C
95545.3,15088.4,39.8,40.8, 864C
95464.12,15146.6,38.1,39.1, 865C
95395.59,15186.4,36.7,37.7, 865.8C
Barrier 8 Soundwall S855 ROW SB,8,2,0,0
95963.7,14472.5,28,31.76, 856+50
95979.8,14449.3,27.4,31.66, 856+20
95990.8,14432.5,26.5,30.76,856+00
96031.3,14360.4,24.0,28.26,855+20
Barrier 9 Soundwall S855 ROW SB,9,2,0,0
96031.3,14360.4,24.0,27.1,855+20
96059.6,14308.2,22.4,25.5,854+60
96074.8,14267.5,20.8,23.9,854+15
96082.3,14235.4,19.1,22.2,853+80
96082.9,14212.0,18.0,21.1,853+58
96082.9,14212.0,18.0,21.1,853+58
96086.0,14152.4,14.7,17.75,853+00
96103.7,14090.6,11.2,14.25,852+40
96103.7,14090.6,11.2,11.20,852+40
96157.5,14010.9,7.1,7.10,851+63
Barrier 10 Soundwall S859 ROW SB,10,2,0,0
95984.24,14453.5,27.4,27.4, 856.2S
95933.61,14500.2,36.8,36.8, 856.9S
95933.61,14500.2,36.8,36.8, 856.9S
95928.26,14520.3,37.5,37.5, 857.1S
95918.47,14531.8,38.1,38.1, 857.2S
95918.47,14531.8,38.1,41.8, 857.2S
95876.22,14596.3,38.5,42.2, 858S
95822.23,14680.8,39.8,43.5, 859S
95787.61,14737.7,42.3,43.5, 859.7S
Barrier 11 Soundwall S863 ROW SB,11,2,0,0
95780.2,14746.8,41.4,45.1, 859.8S
95773,14765.8,40.2,45.1, 860S
95716.59,14847.2,40.1,45.0, 861S
95685.72,14887.9,40.9,45.8, 861.55S
95675.03,14905.2,40.7,45.6, 861.75S
95656.22,14925.5,40.8,45.7, 862S
Barrier 12 Soundwall S863 ROW SB,12,2,0,0
95656.22,14925.5,40.8,45.7, 862S
95615.73,14969.1,41.2,46.1, 862.8S
95615.73,14969.1,41.2,45.5, 862.8S
95590.48,14990.4,40.8,45.1, 863S
95590.48,14990.4,40.8,45.1, 863S
95517.29,15047.0,39.5,43.8, 864S
95517.29,15047.0,39.5,43.16, 864S
95431.93,15094.7,38.7,42.4, 865S
95386.03,15112.4,38.2,41.9, 865.4S
95346.38,15112.2,37.8,41.5, 865.9S
95273.9,15090.0,36.4,40.1,866+50
Barrier 13 Terrain SB,13,2,0,0
95962,14337.3,30.0,30.0,855.4,ST

95962,14430.3,30.0,30.0, 856.15ST
95939.17,14434.5,33.2,33.2,856.3,ST
95933.61,14500.2,36.7,36.7,859.9,ST
Barrier 14 Terrain SB,14,2,0,0
95359.22,15149.4,41.8,41.8, 865.8ST
95246.2,15105.8,36.5,36.5, 866ST
Barrier 15 Buiding SB,15,2,0,0
96054.3845,14249.1,13.6,23.6, 854SB
96012.72,14328.6,13.7,23.7, 855SB
Barrier 16 Buiding SB,16,2,0,0
96120.3472,14029.6,7.6,17.6, 851.6SB
96097.2824,14067.5,7.4,17.4, 852.2SB
Barrier 17 Terrain Line SB,17,2,0,0
95765.49,14719.3,40.1,40.1, 859.7ST
95787.61,14737.7,42.3,42.3, 859.7ST
Barrier 18 Terrain line SB,18,2,0,0
96020.24,14381.8,22.0,22.0, 855.5ST
96009.5,14396.7,24.1,24.1, 855.6ST
95988.2,14413.3,24.0,24.0, 855.8ST
Barrier 19 Terrain line NB Golf Course,19,2,0,0
96166.67,14528.8,38.0,38.0, 855.8NT
96161.42,14506.8,38.0,38.0, 855.6NT
96214.54,14444.3,41.0,41.0, 854.9NT
96220.17,14395.8,40.0,40.0, 854.5NT
96248.78,14371.8,36.0,36.0, 854.1NT
96278.87,14375.1,34.0,34.0, 853.95NT
Barrier 20 Terrain Line Brooks Street,20,2,0,0
95787.61,14737.7,42.3,42.3, 859.7S
95780.2,14746.8,41.4,41.4, 859.8S
R 20.1 ,1,55,3
95847.36,14852.7,43.2, 1Baseball
R 20.2 ,2,55,4
95770.42,14932.1,43.9, ST20.2
R 20.3 ,3,55,2
95774.50,14996.3,44.6, 3Park
R 20.4 ,4,55,3
95553.20,15235.0,43.7, 4Hotel
R 20.5 ,5,55,3,
95370.79,15094.5,39.7, 5Baseball
R 20.6 ,6,55,3
95476.13,14976.1,39.5, 6Track
R 20.7 ,7,55,1,
95563.09,14990.4,42.7, 7SF
R 20.8 ,8,55,1
95630.63,14920.4,42.7, 8SF
R 20.9 ,9,55,1
95633.61,14883.1,42.6, 9SF
R 20.10 ,10,55,2
95646.59,14890.2,42.4, 10SF
R 20.11 ,11,55,3
95717.54,14841.6,41.4, LT20.1
R 20.12 ,12,55,20
95735.09,14769.0,41.5, 12SF
R 20.13 ,13,55,2
95792.02,14710.4,41.7, 13Daycare
R 20.14 ,14,55,5

95795.85,14690.7,41.4, 14MF
R 20.15 ,15,55,8
95792.40,14649.5,42.1, 15MF
R 20.16 ,16,55,4,
95842.25,14632.0,40.8, 16MF
R 20.17 ,17,55,5
95831.81,14577.4,40.5, 17SF
R 20.18 ,18,55,4
95884.89,14498.9,38.7, 18SF
R 20.19 ,19,55,3
95887.12,14451.8,39.6, 19SF
R 20.20 ,20,55,3
95885.99,14399.6,39.7, 20SF
R 20.21 ,21,55,1
95958.79,14424.7,33.6, 21SF
R 20.22 ,22,55,4
95960.11,14388.8,33.0, 22MF
R 20.23 ,23,55,2
95996.71,14383.0,20.0, ST20.1/CAL
R 20.24 ,24,55,3
96031.32,14276.4,17.4, 24MF
R 20.25 ,25,55,4
96037.37,14173.4,11.8, 25MF
R 20.26 ,26,55,3
96093.13,14045.7,8.8, 26MF
D,4.5
A,A
ALL, ALL
K,0
All, All
K,-5
All,9,10,12,15,17,18,19,20

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGMENT 20 NB & SB OCEANSIDE TO MISSION - DESIGN

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	0.*							857N	331.9	
2	-	0.*							858N	331.7	
3	-	0.*							859N	229.0	
4	-	0.*							859.7N	48.4	
5	-	7.*							859.85N	14.1	
6	-	14.*							859.85N	377.6	
7	-	13.*							861N	2.0	
8	-	12.*							861N	191.0	
9	-	12.*							861+58	274.7	
10	-	6.*							862+40	12.2	
11	-	0.*							862+40	200.8	
12	-	0.*							863+00	335.4	
13	-	0.*							864+00	246.1	
14	-	0.*							864.8N	98.9	
15	-	0.*							865.2N	103.2	
16	-	0.*							865.5N	226.4	
17	-	0.*							859.7NT	302.1	
18	-	0.*							865.6NT	235.9	
19	-	20.*							865+00	115.0	
20	-	10.*							864+75	19.7	
21	-	0.*							864+75	54.1	
22	-	13.*							864+50	26.2	
23	-	26.*							864+50	149.1	
24	-	13.*							864+30	26.3	
25	-	0.*							864+30	522.8	
26	-	11.*							862+80	21.3	
27	-	21.*							862+80	115.2	
28	-	21.*							862+42	145.3	
29	-	3.*							851.5C	153.9	
30	-	3.*							852C	328.1	
31	-	3.*							853C	328.5	
32	-	3.*							854C	328.1	
33	-	3.*							855C	328.2	
34	-	3.*							856C	328.1	
35	-	3.*							857C	328.2	
36	-	3.*							858C	328.2	
37	-	3.*							859C	328.2	

38	- 3.*	860C	328.4
39	- 3.*	861C	328.0
40	- 3.*	862C	328.0
41	- 3.*	863C	327.8
42	- 3.*	864C	327.8
43	- 3.*	865C	260.0
44	- 13.*	856+50	92.8
45	- 14.*	856+20	65.9
46	- 14.*	856+00	271.4
47	- 10.*	855+20	194.9
48	- 10.*	854+60	142.6
49	- 10.*	854+15	108.3
50	- 10.*	853+80	76.9
51	- 10.*	853+58	.0
52	- 10.*	853+58	196.1
53	- 10.*	853+00	211.3
54	- 5.*	852+40	10.1
55	- 0.*	852+40	315.8
56	- 0.*	856.2S	228.1
57	- 0.*	856.9S	.0
58	- 0.*	856.9S	68.3
59	- 0.*	857.1S	49.6
60	- 6.*	857.2S	12.1
61	- 12.*	857.2S	253.0
62	- 12.*	858S	329.1
63	- 8.*	859S	218.5
64	- 14.*	859.8S	66.6
65	- 16.*	860S	325.0
66	- 16.*	861S	.0
67	- 16.*	861S	167.6
68	- 16.*	861.55S	66.7
69	- 16.*	861.75S	90.9
70	- 16.*	862S	195.2
71	- 15.*	862.8S	1.9
72	- 14.*	862.8S	108.4
73	- 14.*	863S	.0
74	- 14.*	863S	303.6
75	- 13.*	864S	2.1
76	- 12.*	864S	320.8
77	- 12.*	865S	161.4
78	- 12.*	865.4S	130.1
79	- 12.*	865.9S	248.7
80	- 0.*	855.4	305.1
81	- 0.*	856.15S	76.9
82	- 0.*	856.3	216.6
83	- 0.*	865.8ST	397.8
84	- 33.*	854SB	294.5

```
85    - 33.*                      851.6SB   145.5

86    -  0.*                      859.7ST    94.7

87    -  0.*                      855.5ST    60.6
88    -  0.*                      855.6ST    88.6

89    -  0.*                      855.8NT    74.2
90    -  0.*                      855.6NT   269.3
91    -  0.*                      854.9NT   160.2
92    -  0.*                      854.5NT   123.1
93    -  0.*                      854.1NT    99.6

94    -  0.*                      859.7S     38.6
--------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
---------------------------------
 1  1BASEBA  67.    500.   69.4
 2  ST20.2   67.    500.   71.2
 3  3PARK    67.    500.   68.4
 4  4HOTEL   67.    500.   68.3
 5  5BASEBA  67.    500.   67.4
 6  6TRACK   67.    500.   65.9
 7  7SF      67.    500.   70.2
 8  8SF      67.    500.   68.6
 9  9SF      67.    500.   62.5
10  10SF     67.    500.   62.9
11  LT20.1   67.    500.   67.1
12  12SF     67.    500.   62.0
13  13DAYCA  67.    500.   69.6
14  14MF     67.    500.   68.2
15  15MF     67.    500.   61.7
16  16MF     67.    500.   68.1
17  17SF     67.    500.   61.1
18  18SF     67.    500.   64.0
19  19SF     67.    500.   65.0
20  20SF     67.    500.   64.1
21  21SF     67.    500.   74.4
22  22MF     67.    500.   72.8
23  ST20.1/  67.    500.   63.5
24  24MF     67.    500.   61.5
25  25MF     67.    500.   63.7
26  26MF     67.    500.   60.9
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 0. 0. 0. 0. 7.14.13.12.12. 6. 0. 0. 0. 0. 0. 0. 0. 0.20.10. 0.13.26.13. 0.
11.21.21. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.13.14.14.10.10.10.10.
10.10.10. 5. 0. 0. 0. 0. 0. 6.12.12. 8.14.16.16.16.16.16.16.15.14.14.14.13.
12.12.12.12. 0. 0. 0. 0.33.33. 0. 0. 0. 0. 0. 0. 0. 0. 0.
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Roadway Segment 20 NB & SB Oceanside to Mission - Design - R20.1a
T RW Seg 20NB Truck,1
4750,65,194,65,456,65
T RW Seg 20NB Truck,2
4750,65,194,65,456,65
T RW Seg 20NB Car,3
3470,65,130,65,0,0
T RW Seg 20NB Car,4
3470,65,130,65,0,0
T RW Seg 20NB HOV,5
3000,65,0,0,0,0
T RW Seg 20NB HOV,6
3000,65,0,0,0,0
T RW Seg 20NB Off Loop to Oceanside Blvd,7
1890,25,54,25,56,25
T RW Seg 20NB Onramp from Oceanside Blvd,8
945,45,27,45,28,45
T RW Seg 20NB Off Loop to Misson,9
1890,25,54,25,56,25
T RW Seg 20NB NB On Ramp from Mission,10
945,45,27,45,28,45
T RW Seg 20SB Truck,11
4750,65,194,65,456,65
T RW Seg 20SB Truck,12
4750,65,194,65,456,65
T RW Seg 20SB Car,13
3470,65,130,65,0,0
T RW Seg 20SB Car,14
3470,65,130,65,0,0
T RW Seg 20SB HOV,15
3000,65,0,0,0,0
T RW Seg 20SB HOV,16
3000,65,0,0,0,0
T RW Seg 20SB On Loop from Oceanside,17
945,25,27,25,28,25
T RW Seg 20SB Onramp Loop from Mission,18
945,25,27,25,28,25
T RW Seg 20SB SB Off Ramp to Oceanside,19
945,45,27,45,28,45
T RW Seg 20 SB Off Ramp to Mission,20
1890,45,54,45,56,45
L I-5 Seg 20NB Truck,1
N,96287.4,14113.0,16.3, Sta.851.5
N,96271.2,14137.0,17.4, Sta.852
N,96215.9,14218.1,19.8, Sta.853
N,96160.2,14299.7,22.1, Sta.854
N,96103.1,14383.3,24.2, Sta.855
Y,96046.9,14465.6,25.6, Sta.856
N,95990.7,14547.9,29.0, Sta.857
Y,95936.3,14634.0,31.2, Sta.858
N,95877.2,14715.0,34.7, Sta.859
Y,95821.2,14796.6,36.5, Sta.860
N,95765.3,14878.2,39.9, Sta.861
N,95705.8,14960.9,42.2, Sta.862
N,95636.9,15038.1,42.2, Sta.863
N,95560.9,15106.4,40.8, Sta.864

N,95477.8,15166.4,39.7, Sta.865
L I-5 Seg 20NB Truck,2
N,95477.8,15166.4,39.7, Sta.865
N,95423.0,15202.7,38.0, Sta.865.6
L I-5 Seg 20NB Cars,3
N,96282.8,14109.8,16.4, Sta.851.5
N,96267.6,14132.7,17.5, Sta.852
N,96211.4,14215.1,19.9, Sta.853
N,96155.0,14297.4,22.3, Sta.854
N,96098.3,14380.4,24.3, Sta.855
N,96042.4,14462.7,26.7, Sta.856
N,95985.6,14545.5,29.3, Sta.857
N,95929.5,14628.3,31.3, Sta.858
N,95872.8,14711.1,33.8, Sta.859
N,95816.7,14793.2,36.7, Sta.860
N,95760.3,14876.4,39.7, Sta.861
N,95701.0,14958.3,41.7, Sta.862
N,95632.6,15034.6,41.7, Sta.863
N,95556.0,15103.5,40.4, Sta.864
N,95473.8,15161.9,38.7, Sta.865
L I-5 Seg 20NB Cars,4
N,95473.8,15161.9,38.7, Sta.865
N,95414.2,15197.2,37.5, Sta.865.6
L I-5 Seg 20NB HOV,5
N,96274.6,14104.2,16.5, Sta.851.5
N,96259.0,14127.3,17.5, Sta.852
N,96202.8,14209.7,20.0, Sta.853
N,96146.2,14292.5,22.4, Sta.854
N,96089.8,14375.3,24.4, Sta.855
N,96033.5,14458.0,26.8, Sta.856
N,95977.4,14540.3,29.3, Sta.857
N,95921.0,14623.0,31.3, Sta.858
N,95864.6,14705.7,33.9, Sta.859
N,95808.2,14788.3,36.8, Sta.860
N,95752.1,14870.8,39.8, Sta.861
N,95693.1,14952.3,41.5, Sta.862
N,95625.8,15027.6,41.5, Sta.863
N,95550.5,15094.8,40.0, Sta.864
N,95468.6,15153.8,38.4, Sta.865
L I-5 Seg 20NB HOV,6
N,95468.6,15153.8,38.4, Sta.865
N,95404.3,15191.5,37.5, Sta.865.6
L I-5 Seg 20NB NB Offramp loop to Ocean Blvd,7
N,96404.7,13965.5,14.3,849+05
N,96348.1,14066.0,14.6,851+00
N,96299.0,14153.2,16.5,852+00
N,96273.3,14205.9,15.9,852+60
Y,96284.9,14237.1,14.4,853+00
Y,96319.2,14240.2,12.1,853+40
N,96353.6,14195.0,9.1,854+00
Y,96376.2,14162.4,8.1,853+60
L I-5 Seg 20NB NB Onramp from Ocean Blvd,8
Y,96375.8,14183.7,8.5,851+60
Y,96328.8,14249.8,12.0,852+40
Y,96277.3,14281.9,16.0,853+00
N,96188.0,14325.4,21.0,854+00

N,96142.9,14363.3,22.8,854+60
N,96094.6,14426.9,24.6,855+40
N,96059.7,14475.7,26.1,865+00
N,96002.2,14556.1,28.8,857+00
L I-5 Seg 20NB NB Off Loop to Misson Ave,9
N,95777.7,14870.3,39.2,860+85
N,95717.8,14968.5,42.3,862+00
N,95654.3,15046.3,43.0,863+00
Y,95578.5,15112.3,41.5,864+00
N,95497.9,15172.0,39.1,865+00
Y,95411.3,15222.5,37.4,866+00
Y,95384.5,15247.2,37.7,866+40
N,95384.8,15281.1,38.3,866+80
Y,95412.0,15300.5,39.8,867+20
N,95444.3,15290.5,41.0,867+60
Y,95465.5,15257.2,42.1,868+00
L I-5 Seg 20NB NB On Ramp from Mission,10
N,95483.0,15251.9,42.4,864+80
N,95448.4,15302.3,40.2,865+40
N,95429.3,15311.5,39.4,865+60
N,95407.4,15312.7,38.6,865+80
N,95336.6,15274.0,35.3,866+60
N,95299.4,15272.0,33.9,867+00
N,95205.2,15303.2,30.9,868+00
N,95112.2,15340.2,30.1,869+00
N,95020.0,15378.6,31.2,870+00
L I-5 Seg 20SB Truck,11
N,95369.5,15170.7,35.7, Sta.866
N,95452.3,15126.3,37.0, Sta.865
N,95530.0,15070.8,38.8, Sta.864
N,95603.2,15004.8,40.2, Sta.863
N,95667.0,14933.9,40.2, Sta.862
N,95725.1,14852.8,39.4, Sta.861
N,95780.9,14771.6,36.5, Sta.860
N,95838.3,14686.7,33.5, Sta.859
N,95893.8,14605.7,31.0, Sta.858
N,95950.8,14522.2,29.0, Sta.857
N,96006.5,14440.4,26.7, Sta.856
N,96063.5,14357.4,24.2, Sta.855
N,96119.4,14275.1,22.0, Sta.854
N,96176.0,14191.7,19.7, Sta.853
Y,96231.9,14110.3,17.4, Sta.852
L I-5 Seg 20SB Truck,12
N,96231.9,14110.3,17.4, Sta.852
N,96248.7,14085.3,16.2, Sta.851.7
L I-5 Seg 20SB Cars,13
N,95377.3,15175.4,36.0, Sta.866
N,95453.9,15130.8,37.5, Sta.865
N,95533.1,15074.8,39.2, Sta.864
N,95606.7,15007.9,40.7, Sta.863
N,95671.7,14936.1,40.8, Sta.862
N,95729.2,14856.1,39.6, Sta.861
N,95785.4,14774.3,38.7, Sta.860
N,95841.4,14691.9,33.8, Sta.859
N,95897.5,14608.8,31.3, Sta.858
N,95954.5,14525.7,29.2, Sta.857

N,96010.7,14443.1,26.7, Sta.856
N,96067.2,14361.3,24.3, Sta.855
N,96123.0,14279.2,22.3, Sta.854
N,96180.2,14195.3,19.8, Sta.853
N,96236.1,14113.5,17.5, Sta.852
L I-5 Seg 20SB Cars,14
N,96236.1,14113.5,17.5, Sta.852
N,96253.7,14088.6,16.4, Sta.851.7
L I-5 Seg 20SB HOV,15
N,95386.9,15181.0,36.5, Sta.866
N,95459.8,15139.0,37.9, Sta.865
N,95539.6,15082.4,39.5, Sta.864
N,95614.2,15015.6,41.0, Sta.863
N,95679.8,14942.3,41.0, Sta.862
N,95738.1,14861.7,39.6, Sta.861
N,95794.2,14779.3,36.8, Sta.860
N,95850.9,14696.0,33.9, Sta.859
N,95907.4,14613.6,31.4, Sta.858
N,95963.4,14531.3,29.3, Sta.857
N,96019.9,14448.3,26.9, Sta.856
N,96076.4,14365.6,24.4, Sta.855
N,96132.9,14283.1,22.4, Sta.854
N,96188.5,14201.4,20.0, Sta.853
N,96245.3,14117.8,17.6, Sta.852
L I-5 Seg 20SB HOV,16
N,96245.3,14117.8,17.6, Sta.852
N,96261.9,14093.7,16.5, Sta.851.7
L I-5 Seg 20SB SB On Loop from Oceanside Blvd,17
Y,96179.7,14019.1,7.0,854+60
Y,96145.4,14068.8,9.4,854+00
Y,96123.9,14099.9,12.8,853+60
Y,96131.3,14133.0,15.2,853+20
N,96161.4,14146.3,17.0,852+80
N,96190.3,14128.7,17.5,852+40
N,96215.4,14097.7,17.0,852+00
N,96275.5,14017.6,14.7,851+00
N,96331.7,13934.9,14.3,850+00
L I-5 Seg 20SB SB Onramp Loop from Mission Ave,18
Y,95247.4,15125.1,35.8,868+00
Y,95231.1,15158.9,34.3,867+60
Y,95242.8,15189.7,33.6,867+20
Y,95275.8,15195.9,33.8,866+80
N,95348.7,15165.0,35.2,866+00
N,95436.9,15119.2,36.9,865+00
N,95520.2,15064.8,38.7,864+00
N,95596.3,15000.8,40.1,863+00
N,95638.0,14959.6,40.3,862+40
N,95664.9,14928.2,40.2,862+00
L I-5 Seg 20SB SB Off Ramp to Oceanside,19
N,95994.7,14435.3,26.8,856+00
N,96045.3,14345.2,23.5,855+00
N,96071.6,14291.7,21.8,854+40
Y,96087.2,14234.2,19.1,853+80
Y,96092.2,14154.2,14.7,853+00
Y,96109.4,14094.5,11.2,852+40
Y,96166.8,14008.7,7.1,851+55

L RW Seg 20 SB Off Ramp to Mission,20
N,94977.6,15335.3,31.8,870+20
N,95031.8,15306.9,30.6,869+60
N,95085.0,15279.1,29.9,869+00
N,95137.9,15251.1,30.0,868+40
N,95168.0,15226.7,30.8,868+00
N,95201.4,15177.9,33.1,867+40
N,95242.6,15109.0,36.3,866+60
Barrier 1 Terrain line NB Golf Course,1,2,0,0
96166.67,14528.8,38.0,38.0, 855.8NT
96161.42,14506.8,38.0,38.0, 855.6NT
96214.54,14444.3,41.0,41.0, 854.9NT
96220.17,14395.8,40.0,40.0, 854.5NT
96248.78,14371.8,36.0,36.0, 854.1NT
96278.87,14375.1,34.0,34.0, 853.95NT
Barrier 2 Soundwall NB Golf Course,2,2,0,0
96354.89,14243.1,10.5,10.5, 852.3N
96306.84,14313.2,26.0,26.0, 853.2N
96219.34,14346.2,37.0,37.0, 854N
96183.3,14347.2,32.1,32.1,854+15
96128.0,14402.3,21.5,21.5,855+00
96070.1,14481.9,26.0,26.0,856+00
96012.2,14562.4,28.0,28.0,857+00
95954.3,14642.8,30.5,30.5,858+00
95896.2,14726.2,33.0,33.0,859+00
R 20.1A ,1,55,3
96267.44,14390.8,37.5, 20.1A
D,4.5
A,A
ALL, ALL
K,0
All, All

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGMENT 20 NB & SB OCEANSIDE TO MISSION - DESIGN - R20.1A

1
BARRIER DATA
****

BAR ELE	0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	0.*							855.8NT	74.2	
2	-	0.*							855.6NT	269.3	
3	-	0.*							854.9NT	160.2	
4	-	0.*							854.5NT	123.1	
5	-	0.*							854.1NT	99.6	
6	-	0.*							852.3N	283.5	
7	-	0.*							853.2N	309.0	
8	-	0.*							854N	119.3	
9	-	0.*							854+15	258.4	
10	-	0.*							855+00	323.3	
11	-	0.*							856+00	325.4	
12	-	0.*							857+00	325.2	
13	-	0.*							858+00	333.5	

0 1 2 3 4 5 6 7

1

REC	REC ID	DNL	PEOPLE	LEQ(CAL)
1	20.1A	67.	500.	66.6

BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
1 1 1 1 1 1 1 1 1 1 1 1 1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.

Roadway Segment 21 NB & SB Mission to Highway 76 - No Build
T RW Seg 21NB Truck, 1
0, 0, 0, 0, 0, 0
T RW Seg 21NB Car, 2
3229, 65, 97, 65, 274, 65
T RW Seg 21NB HOV,3
3503, 65, 97, 65, 0 , 0
T RW Seg 21NB Off Loop to Misson, 4
884, 25, 25, 25, 26, 25
T RW Seg 21NB On Ramp from Mission, 5
369, 45, 11, 45, 11, 45
T RW Seg 21NB Off ramp to Highway 76, 6
1484, 45, 42, 45, 44, 45
T RW Seg 21SB Truck, 7
0, 0, 0, 0, 0, 0
T RW Seg 21SB Car, 8
4961, 65, 97, 65, 342, 65
T RW Seg 21SB HOV, 9
3454, 65, 146, 65, 0, 0
T RW Seg 21SB On Ramp loop from Mission, 10
709, 25, 20, 25, 21, 25
T RW Seg 21SB Off ramp to Mission, 11
359, 45, 10, 11, 6, 45
T RW Seg 21SB On Ramp from Highway 76, 12
945, 45, 27, 45, 28, 45
T RW Seg 21SB Off Loop to Highway 76 EB, 13
822, 25, 23, 25, 24, 25
L I-5 Seg 21NB Truck, 1
N, 95636.93, 15038.0507, 42.2, Sta.863
N, 95560.91, 15106.4445, 40.8, Sta.864
N, 95477.81, 15166.445, 39.7, Sta.865
N, 95423.76, 15203.04, 38, Sta.865.6
N, 95300.58, 15258.57, 34.2, Sta.867
N, 95205.6, 15297.66, 31.2, Sta.868
N, 95112.31, 15335.05, 30.15, Sta.869
N, 95020.17, 15373.7, 31.5, Sta.870
N, 94926.1, 15412.42, 33.1, Sta.871
N, 94834.19, 15450.22, 33.6, Sta.872
N, 94740.29, 15488.82, 32.7, Sta.873
N, 94648.26, 15526.77, 30.2, Sta.874
N, 94560.9, 15570.59, 27.2, Sta.875
N, 94476.14, 15622.98, 24.25, Sta.876
N, 94401.81, 15682.34, 21.4, Sta.877
94332.44, 15753.38, 19.5, Sta.878
L I-5 Seg 21NB Cars, 2
N, 95632.6, 15034.6, 41.7, Sta.863
N, 95556.0, 15103.5, 40.4, Sta.864
N, 95473.8, 15161.9, 38.7, Sta.865
N, 95417.1, 15199.1, 37.4, Sta.865.6
N, 95295.94, 15251.48, 34.2, Sta.867
N, 95202.74, 15290.91, 31.2, Sta.868
N, 95108.92, 15328.53, 30.25, Sta.869
N, 95016.56, 15366.48, 31.6, Sta.870
N, 94923.45, 15404.93, 33.25, Sta.871
N, 94831, 15443.46, 33.65, Sta.872
N, 94737.78, 15482.61, 32.88, Sta.873

Y, 94645.26, 15520.43, 31.5, Sta.874
N, 94556.01, 15563.7, 27.5, Sta.875
N, 94472.3, 15617.41, 24.5, Sta.876
N, 94396.8, 15677.77, 21.6, Sta.877
94326.2, 15748.53, 19.9, Sta.878
L I-5 Seg 21NB HOV, 3
N, 95625.8, 15027.6, 41.5, Sta.863
N, 95550.5, 15094.8, 40, Sta.864
N, 95468.6, 15153.8, 38.4, Sta.865
N, 95408.67, 15193.58, 37, Sta.865.6
N, 95293, 15245.38, 34.1, Sta.867
N, 95199.4, 15284.1, 31.2, Sta.868
N, 95105.42, 15321.19, 30.34, Sta.869
N, 95013.45, 15359.79, 31.85, Sta.870
N, 94919.81, 15397.67, 33.31, Sta.871
N, 94827.07, 15436.24, 33.7, Sta.872
N, 94733.4, 15474.96, 32.89, Sta.873
N, 94641, 15512.48, 30.81, Sta.874
N, 94551.68, 15557.12, 27.7, Sta.875
N, 94466.91, 15610.89, 24.6, Sta.876
N, 94391.05, 15672.41, 22, Sta.877
94320.03, 15742.63, 20.26, Sta.878
L I-5 Seg 21NB NB Off Loop to Misson Ave WB, 4
N, 95579.49, 15113.10, 41.67, Sta.864
N, 95497.75, 15172.05, 39.88, Sta.865
N, 95411.03, 15222.20, 37.5, Sta.866
Y, 95386.13, 15239.73, 37.4, Sta.866.25
N, 95378.75, 15256.98, 37.9, Sta.866.35
Y, 95381.56, 15280.50, 38.9, Sta.866.78
Y, 95397.66, 15298.22, 39.8, Sta.867.05
N, 95424.48, 15302.56, 41.8, Sta.867.35
Y, 95447.92, 15290.25, 41.65, Sta.867.62
N, 95460.00, 15269.14, 42.6, Sta.867.9
Y, 95457.88, 15246.19, 43.3, Sta.868.15
Y, 95443.43, 15225.76, 44.2, Sta.868.4
95434.24, 15218.28, 44.6, Sta.868.5
L I-5 Seg 21NB 21 NB On Ramp from Mission, 5
N, 95500.62, 15253.01, 42, Sta.864.7
Y, 95455.62, 15309.01, 40, Sta.865.6
Y, 95419.13, 15319.78, 38.5, Sta.865.8
N, 95335.25, 15287.41, 36, Sta.866.6
N, 95294.16, 15274.85, 35, Sta.867.1
N, 95209.07, 15305.7, 35, Sta.868
N, 95116.37, 15336.89, 32.0, Sta.869
N, 95023.31, 15378.9, 31.5, Sta.870
94929.64, 15418.35, 30, Sta.871
L I-5 Seg 21NB 21 NB Off ramp to Highway 76, 6
Y, 94929.64, 15418.35, 31.5, Sta.871
N, 94835.52, 15454, 35, Sta.872
N, 94744.4, 15497.84, 33.5, Sta.873
Y, 94653.96, 15540.78, 30.5, Sta.874
Y, 94588.38, 15597.23, 26.5, Sta.874.8
Y, 94559.21, 15649.11, 23, Sta.875.45
Y, 94538.97, 15696.58, 20, Sta.876
Y, 94520.46, 15742.06, 16.75, Sta.876.45
Y, 94482.08, 15838.19, 10.2, Sta.877.55

N, 94472.70, 15890.32, 8.2, Sta.878.08
N, 94481.28, 15948.59, 8.75, Sta.878.65
94517.11, 16018.61, 7.1, Sta.879.45
L I-5 Seg 21SB Truck, 7
N, 94297.91, 15723.34, 20.5, Sta.878
N, 94368.3, 15653, 22.2, Sta.877
N, 94449.47, 15585.57, 25.1, Sta.876
N, 94534.34, 15530.31, 28.1, Sta.875
N, 94626.26, 15484.7, 31.1, Sta.874
N, 94720.85, 15446, 32.73, Sta.873
N, 94812.42, 15406.42, 33.54, Sta.872
N, 94906, 15368.62, 33.15, Sta.871
N, 94998.86, 15330.55, 31.6, Sta.870
N, 95092.93, 15292.55, 30.2, Sta.869
N, 95186.23, 15254.12, 31.2, Sta.868
N, 95277.08, 15216.7, 33.94, Sta.867
N, 95376.04, 15174.1, 35.4, Sta.865.6
N, 95452.27, 15126.30, 37, Sta.865
N, 95530.02, 15070.84, 38.8, Sta.864
N, 95603.23, 15004.80, 40.2, Sta.863
L I-5 Seg 21SB Cars, 8
N, 94303.09, 15728.43, 20.28, Sta.878
N, 94373.92, 15657.86, 21.9, Sta.877
N, 94454.06, 15591.36, 24.8, Sta.876
N, 94538.3, 15537.1, 27.8, Sta.875
N, 94629.8, 15490.88, 30.68, Sta.874
N, 94723.95, 15452.62, 32.76, Sta.873
N, 94815.62, 15413.18, 33.59, Sta.872
N, 94908.71, 15375.24, 33.23, Sta.871
N, 95002.5, 15337.73, 31.8, Sta.870
N, 95096.39, 15298.67, 30.36, Sta.869
N, 95188.7, 15260.29, 31.32, Sta.868
N, 95280.93, 15223.14, 33.8, Sta.867
N, 95383.1, 15178.76, 36.5, Sta.865.6
N, 95453.91, 15130.84, 37.5, Sta.865
N, 95533.14, 15074.78, 39.2, Sta.864
N, 95606.68, 15007.87, 40.7, Sta.863
L I-5 Seg 21SB HOV, 9
N, 94309.08, 15733.33, 20, Sta.878
N, 94379.08, 15662.81, 21.7, Sta.877
N, 94459.17, 15598.7, 24.5, Sta.876
N, 94542.06, 15542.93, 27.5, Sta.875
N, 94633.15, 15497.76, 30.1, Sta.874
N, 94727.11, 15459.81, 32.9, Sta.873
N, 94818.91, 15420.61, 33.75, Sta.872
N, 94912.28, 15382.89, 33.4, Sta.871
N, 95005.24, 15344.06, 31.75, Sta.870
N, 95099.09, 15306.33, 30.38, Sta.869
N, 95192.75, 15268.34, 31.8, Sta.868
N, 95284.67, 15230.28, 34, Sta.867
N, 95391.42, 15183.93, 36.75, Sta.865.6
N, 95459.80, 15139.04, 37.9, Sta.865
N, 95539.56, 15082.43, 39.5, Sta.864
N, 95614.15, 15015.63, 41, Sta.863
L I-5 Seg 21SB 21SB On ramp loop from Mission Ave, 10
Y, 95295.18, 15135.52, 38.6, Sta.868.6

Y, 95278.33, 15127.05, 37.4, Sta.868.4
Y, 95248.54, 15130.81, 35.6, Sta.868.15
N, 95229.38, 15155.23, 33.5, Sta.867.8
N, 95236.79, 15189.9, 32.6, Sta.867.4
Y, 95267.68, 15206.18, 33, Sta.867
Y, 95323.12, 15190.35, 34.75, Sta.866.45
95391.38, 15159.89, 38, Sta.865.75
L I-5 Seg 21SB 21SB Off ramp to Mission Ave, 11
N, 94858.07, 15383.43, 36, Sta.871.5
N, 94943.16, 15348.54, 34, Sta.870.6
N, 95041.84, 15303.79, 31.5, Sta.869.5
N, 95128.45, 15258.63, 30, Sta.868.55
Y, 95183.23, 15216.22, 32, Sta.867.8
N, 95209.78, 15157.14, 34.5, Sta.867.2
95233.06, 15090.91, 36.25, Sta.865.5
L I-5 Seg 21SB 21SB On ramp from Highway 76, 12
Y, 94322.5, 15475.18, 19.86, Sta.877.1
Y, 94395.64, 15473.44, 22, Sta.876.4
Y, 94445.26, 15487.17, 25, Sta.875.9
N, 94504.95, 15506.44, 27.5, Sta.875.25
N, 94574.43, 15494.34, 29.63, Sta.874.5
N, 94663.52, 15462.26, 32, Sta.873.6
Y, 94759.74, 15423.59, 34, Sta.872.6
94858.07, 15383.43, 38, Sta.871.5
L I-5 Seg 21SB Off Loop to Highway 76 EB, 13
N, 94238.33, 15807.81, 20.57, Sta.879
N, 94298.11, 15721.85, 20.825, Sta.878
N, 94349.34, 15662.41, 22.74, Sta.877.2
N, 94419.95, 15592.57, 24.125, Sta.876.2
N, 94448.67, 15559.45, 24.7, Sta.875.8
Y, 94445.58, 15521.27, 24, Sta.875.4
Y, 94422.77, 15493.8, 22.497, Sta.875
Y, 94388.59, 15485.56, 21.058, Sta.874.6
Y, 94355.07, 15501.91, 19.813, Sta.874.2
N, 94341.19, 15532.53, 18.737, Sta.873.9
94341.97, 15562.39, 18.5, Sta.873.6
Barrier 1 Soundwall ROW NB, 1, 2, 0, 0
95454.3612, 15317.1927, 40.26, 40.26, 865.45N
95432.719, 15326.816, 39.80, 39.80, 865.65N
95400.2161, 15326.5688, 38.78, 38.78, 865.9N
95348.3789, 15307.3445, 36.53, 36.53, 866.45N
95307.0633, 15282.5439, 37.42, 37.42, 866.9N
95275.3089, 15285.6842, 36.82, 36.82, 867.3N
95195.1013, 15316.3101, 37.2, 37.2, 868.15N
Barrier 2 Soundwall ROW NB, 2, 2, 0, 0
95195.1013, 15316.3101, 37.20, 37.20, 868.15N
95174.2092, 15320.2475, 35.50, 35.50, 868.35N
95174.2092, 15320.2475, 35.50, 35.50, 868.35N
95114.118, 15345.0948, 30.15, 30.15, 869N
95019.8614, 15384.5774, 31.27, 31.27, 870N
94929.094, 15422.5985, 32.75, 32.75, 871N
94847.0897, 15467.066, 40.50, 40.50, 872N
94748.4549, 15519.9566, 42.33, 42.33, 873N
94647.9457, 15572.1197, 37.00, 37.00, 874.2N
Barrier 3 Terrain Line Bush St NB, 3, 2, 0, 0
95182.7804, 15316.9613, 37.60, 37.60, 868.25NT

95224.4081, 15339.5467, 36.53, 36.53, 867.9NT
95281.1222, 15373.3716, 38.41, 38.41, 867.5NT
Barrier 4 Terrain Line NB, 4, 2, 0, 0
95246.15, 15305.10, 36.19, 36.19, 867.5NT
95206.4409, 15367.91, 36.00, 36.00, 868.2NT
95140.7413, 15455.46, 36.50, 36.50, 869NT
95140.8416, 15495.28, 37.00, 37.00, 869.2NT
Barrier 5 Terrain NB, 5, 2, 0, 0
95451.34, 15204.11, 44.3, 44.3, 865.6NT
95513.22, 15240.58, 41.2, 41.2, 856.6NT
Barrier 6 Divider Jersey Barrier, , 6, 2, 0, 0
95394.80, 15186.62, 36.7, 37.7, 865.6C
95285.42, 15235.86, 34.0, 35.0, 867C
95193.18, 15274.50, 31.2, 32.2, 868C
95100.94, 15313.13, 30.4, 31.4, 869C
95008.70, 15351.76, 31.7, 32.7, 870C
94916.46, 15390.40, 33.3, 34.3, 871C
94824.21, 15429.03, 33.7, 34.7, 872C
94731.97, 15467.66, 33.8, 34.8, 873C
94639.73, 15506.30, 30.8, 31.8, 874C
94550.40, 15551.21, 27.5, 28.5, 875C
Barrier 7 Divider Jersey Barrier, , 7, 2, 0, 0
94550.40, 15551.21, 27.5, 28.5, 875C
94466.36, 15605.24, 24.5, 25.5, 876C
94388.75, 15668.23, 21.9, 22.9, 877C
94318.47, 15739.27, 20, 21.0, 878C
Barrier 8 Terrain Line ROW SB, 8, 2, 0, 0
95205.83, 15124.97, 36.17, 36.17, 866.9S
95190.16, 15188.22, 37.18, 37.18, 867.6S
95156.02, 15228.99, 29.75, 29.75, 868.2S
95112.18, 15255.18, 30.00, 30.00, 868.65S
95084.66, 15264.66, 37.00, 37.00, 868.9S
95084.66, 15264.66, 37.00, 37.00, 868.9S
95067.79, 15270.7, 36.20, 36.20, 869.05S
Barrier 9 Soundwall ROW SB, 9, 2, 0, 0
95067.79, 15270.70, 36.20, 36.20, 869.05S
95018.53, 15297.73, 37.50, 37.50, 869.7S
94989.00, 15307.00, 37.00, 37.00, 869.75S
94937.85, 15343.86, 38.70, 38.70, 870.6S
94844.65, 15379.61, 40.70, 40.70, 871.6S
94746.05, 15423.30, 38.20, 38.20, 872.65S
94657.99, 15451.09, 32.35, 32.35, 873.5S
94587.75, 15478.95, 30.00, 30.00, 874.25S
94575.23, 15485.95, 33.50, 33.50, 874.5S
Barrier 10 Soundwall ROW SB, 10, 2, 0, 0
94575.23, 15485.95, 33.50, 33.50, 874.5S
94559.34, 15485.6, 34.90, 34.90, 874.6S
94519.58, 15494.94, 27.00, 27.00, 875.1S
94442.58, 15474.69, 23.80, 23.80, 876S
94383.92, 15464.43, 22.70, 22.70, 876.55S
94341.02, 15462.52, 20.89, 20.89, 876.9S
Barrier 11 Building SB, 11, 2, 0, 0
95075.65, 15111.71, 37.00, 47.00, 867.6SB
95180.92, 15190.99, 37.18, 47.18, 867.6SB
95056.9, 15242.47, 39.50, 49.50, 869SB
Barrier 12 Building SB, 12, 2, 0, 0

94997.06, 15232.22, 39.86, 53.86, 869.6SB
94935.36, 15294.67, 41.50, 51.50, 870.4SB
Barrier 13 Terrain Line, 13, 2, 0, 0
94565.28, 15482.60, 35.20, 35.20, 874.5ST
94536.89, 15451.89, 31.75, 31.75, 874.6ST
94482.31, 15414.71, 25.60, 25.60, 875ST
Barrier 14 Terrain Line Bush St, 14, 2, 0, 0
95085.10, 15271.94, 39.00, 39.00, 869ST
95025.53, 15236.25, 38.75, 38.75, 869.5ST
R 21.1, 1 , 55, 3
95473.48, 15366.51, 42.8 , SF
R 21.2, 2 , 55, 3
95416.4, 15396.59, 41.9 , SF
R 21.3, 3 , 55, 3
95351.81, 15358.57, 39.3 , SF
R 21.4, 4 , 55, 3
95301.98, 15332.18, 39.7 , SF
R 21.5, 5 , 55, 5
95262.8,15323.2,38.65, LT21.1
R 21.6, 6 , 55, 6
95211.43, 15379.43, 37.4 , MF
R 21.7, 7 , 55, 2
95230.94, 15391.26, 38.3 , SF
R 21.8, 8 , 55, 2
95181.94, 15424.79, 38.0 , SF
R 21.9, 9 , 55, 2
94353.72, 15447.8, 22.7 , Hotel
R 21.10, 10 , 55, 1
94442.42, 15435.92, 25.8 , SF
R 21.11, 11 , 55, 3
94468.65, 15456.61, 26.8 , SF
R 21.12, 12 , 55, 8
94580.22, 15423.08, 28.7 , MF
R 21.13, 13 , 55, 7
94628.51, 15429.33, 31.5 , MF
R 21.14, 14 , 55, 1
94644.6,15442.3,32.9, 21.14
R 21.15, 15 , 55, 5
94706.51, 15373.84, 33.2 , SF
R 21.16, 16 , 55, 2
94692.71, 15405.29, 33.75 , 21.15A
R 21.17, 17 , 55, 1
94783.72, 15385.03, 39.3 , SF
R 21.18, 18 , 55, 2
94898.28, 15345.4, 43.1 , Park
R 21.19, 19 , 55, 6
94943.66, 15262.21, 43.0 , MF
R 21.20, 20 , 55, 3
95047.97, 15271.08, 38 , ST21.1/CAL
R 21.8A, 21 , 55, 6
95160.81, 15485.19, 39 , 21.8A
D, 4.5
A, A
ALL, ALL
K, 0.
All, All

K, -5
All, 2,3,4,7,10,12,13,15,16,22

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGMENT 21 NB & SB MISSION TO HIGHWAY 76 - NO BUILD

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	- 0.*								865.45N	77.7	
2	- 0.*								865.65N	106.8	
3	- 0.*								865.9N	181.5	
4	- 0.*								866.45N	158.1	
5	- 0.*								866.9N	104.7	
6	- 0.*								867.3N	281.6	
7	- 0.*								868.15N	70.0	
8	- 0.*								868.35N	.0	
9	- 0.*								868.35N	214.0	
10	- 0.*								869N	335.2	
11	- 0.*								870N	322.9	
12	- 0.*								871N	307.2	
13	- 0.*								872N	367.2	
14	- 0.*								873N	371.9	
15	- 0.*								868.25N	155.4	
16	- 0.*								867.9NT	216.8	
17	- 0.*								867.5NT	243.8	
18	- 0.*								868.2NT	359.1	
19	- 0.*								869NT	130.6	
20	- 0.*								865.6NT	235.8	
21	- 3.*								865.6C	393.7	
22	- 3.*								867C	328.2	
23	- 3.*								868C	328.1	
24	- 3.*								869C	328.2	
25	- 3.*								870C	328.1	
26	- 3.*								871C	328.1	
27	- 3.*								872C	328.1	
28	- 3.*								873C	328.2	
29	- 3.*								874C	328.2	
30	- 3.*								875C	327.9	
31	- 3.*								876C	328.1	
32	- 3.*								877C	327.9	
33	- 0.*								866.9S	213.8	
34	- 0.*								867.6S	176.2	
35	- 0.*								868.2S	167.6	
36	- 0.*								868.65S	98.2	
37	- 0.*								868.9S	.0	

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38    -  0.*                    868.9S     58.8

39    -  0.*                    869.05S   184.4
40    -  0.*                    869.7S    101.6
41    -  0.*                    869.75S   206.9
42    -  0.*                    870.6S    327.6
43    -  0.*                    871.6S    354.0
44    -  0.*                    872.65S   303.6
45    -  0.*                    873.5S    248.0
46    -  0.*                    874.25S    48.4

47    -  0.*                    874.5S     52.3
48    -  0.*                    874.6S    136.5
49    -  0.*                    875.1S    261.4
50    -  0.*                    876S      195.5
51    -  0.*                    876.55S   141.0

52    - 33.*                     867.6SB   432.4
53    - 33.*                     867.6SB   440.6

54    - 39.*                     869.6SB   288.1

55    -  0.*                    874.5ST   137.6
56    -  0.*                    874.6ST   217.6

57    -  0.*                    869ST     227.9
-------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
REC REC ID    DNL  PEOPLE   LEQ(CAL)
---------------------------------
 1  SF       67.    500.   66.5
 2  SF       67.    500.   61.3
 3  SF       67.    500.   63.8
 4  SF       67.    500.   66.3
 5  LT21.1   67.    500.   72.5
 6  MF       67.    500.   69.7
 7  SF       67.    500.   63.8
 8  SF       67.    500.   68.9
 9  HOTEL    67.    500.   68.4
10  SF       67.    500.   63.7
11  SF       67.    500.   70.6
12   MF      67.    500.   64.3
13  MF       67.    500.   67.8
14  21.14    67.    500.   75.4
15  SF       67.    500.   62.9
16  21.15A   67.    500.   65.7
17  SF       67.    500.   71.2
18  PARK     67.    500.   76.4
19  MF       67.    500.   63.4
20  ST21.1/  67.    500.   74.6
21  21.8A    67.    500.   67.1
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 1  1  1  1  1  1  1
```

CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3.
3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
0.33.33.39. 0. 0. 0.

Roadway Segment 21 NB & SB Mission to Highway 76 - Future No Barrier
T RW Seg 21NB Truck,1
4750,65,194,65,456,65
T RW Seg 21NB Car,2
3470,65,130,65,0,0
T RW Seg 21NB HOV,3
3000,65,0,0,0,0
T RW Seg 21NB Off Loop to Misson,4
1890,25,54,25,56,25
T RW Seg 21NB On Ramp from Mission,5
945,45,27,45,28,45
T RW Seg 21NB Off ramp to Highway 76,6
1890,45,54,45,56,45
T RW Seg 21NB Highway 76 on loop ramp,7
945,25,27,25,28,25
T RW Seg 21SB Truck,8
4750,65,194,65,456,65
T RW Seg 21SB Car,9
3470,65,130,65,0,0
T RW Seg 21SB HOV,10
3000,65,0,0,0,0
T RW Seg 21SB On Ramp loop from Mission,11
945,25,27,25,28,25
T RW Seg 21SB Off ramp to Mission,12
945,45,27,45,28,45
T RW Seg 21SB On Ramp from Highway 76,13
1890,45,54,45,56,45
T RW Seg 21SB Off Loop to Highway 76 EB,14
945,25,27,25,28,25
L I-5 Seg 21NB Truck,1
N,95636.93,15038.05,42.2, Sta.863
N,95560.91,15106.44,40.8, Sta.864
N,95477.81,15166.45,39.7, Sta.865
N,95423.76,15203.04,38, Sta.865.6
N,95300.58,15258.57,34.2, Sta.867
N,95205.60,15297.66,31.2, Sta.868
N,95112.31,15335.05,30.15, Sta.869
N,95020.17,15373.70,31.5, Sta.870
N,94926.10,15412.42,33.1, Sta.871
N,94834.19,15450.22,33.6, Sta.872
N,94740.29,15488.82,32.7, Sta.873
N,94648.26,15526.77,30.2, Sta.874
N,94560.90,15570.59,27.2, Sta.875
N,94476.14,15622.98,24.25, Sta.876
N,94401.81,15682.34,21.4, Sta.877
N,94332.44,15753.38,19.5, Sta.878
L I-5 Seg 21NB Cars,2
N,95632.60,15034.60,41.7, Sta.863
N,95556.00,15103.50,40.4, Sta.864
N,95473.80,15161.90,38.7, Sta.865
N,95417.10,15199.10,37.4, Sta.865.6
N,95295.94,15251.48,34.2, Sta.867
N,95202.74,15290.91,31.2, Sta.868
N,95108.92,15328.53,30.25, Sta.869
N,95016.56,15366.48,31.6, Sta.870
N,94923.45,15404.93,33.25, Sta.871

N,94831.00,15443.46,33.65, Sta.872
N,94737.78,15482.61,32.88, Sta.873
Y,94645.26,15520.43,31.5, Sta.874
N,94556.01,15563.70,27.5, Sta.875
N,94472.30,15617.41,24.5, Sta.876
N,94396.80,15677.77,21.6, Sta.877
N,94326.20,15748.53,19.9, Sta.878
L I-5 Seg 21NB HOV,3,
N,95625.80,15027.60,41.5, Sta.863
N,95550.50,15094.80,40, Sta.864
N,95468.60,15153.80,38.4, Sta.865
N,95408.67,15193.58,37, Sta.865.6
N,95293.00,15245.38,34.1, Sta.867
N,95199.40,15284.10,31.2, Sta.868
N,95105.42,15321.19,30.34, Sta.869
N,95013.45,15359.79,31.85, Sta.870
N,94919.81,15397.67,33.31, Sta.871
N,94827.07,15436.24,33.7,Sta.872
N,94733.40,15474.96,32.89,Sta.873
N,94641.00,15512.48,30.81,Sta.874
N,94551.68,15557.12,27.7,Sta.875
N,94466.91,15610.89,24.6,Sta.876
N,94391.05,15672.41,22,Sta.877
N,94320.03,15742.63,20.26, Sta.878
L I-5 Seg 21NB NB Off Loop to Misson Ave WB,4
N,95777.7,14870.3,39.2,860+85
N,95717.8,14968.5,42.3,862+00
N,95654.3,15046.3,43.0,863+00
Y,95578.5,15112.3,41.5,864+00
N,95497.9,15172.0,39.1,865+00
Y,95411.3,15222.5,37.4,866+00
Y,95384.5,15247.2,37.7,866+40
N,95384.8,15281.1,38.3,866+80
Y,95412.0,15300.5,39.8,867+20
N,95444.3,15290.5,41.0,867+60
Y,95465.5,15257.2,42.1,868+00
L I-5 Seg 21NB 21 NB On Ramp from Mission,5
N,95483.0,15251.9,42.4,864+80
N,95448.4,15302.3,40.2,865+40
N,95429.3,15311.5,39.4,865+60
N,95407.4,15312.7,38.6,865+80
N,95336.6,15274.0,35.3,866+60
N,95299.4,15272.0,33.9,867+00
N,95205.2,15303.2,30.9,868+00
N,95112.2,15340.2,30.1,869+00
N,95020.0,15378.6,31.2,870+00
L I-5 Seg 21NB 21 NB Off ramp to Highway 76,6
Y,94929.64,15418.35,31.5, Sta.871
N,94835.52,15454.00,35, Sta.872
N,94744.40,15497.84,33.5, Sta.873
Y,94653.96,15540.78,30.5, Sta.874
Y,94588.38,15597.23,26.5, Sta.874.8
Y,94559.21,15649.11,23, Sta.875.45
Y,94538.97,15696.58,20, Sta.876
Y,94520.46,15742.06,16.75, Sta.876.45
Y,94482.08,15838.19,10.2, Sta.877.55

N,94472.70,15890.32,8.2, Sta.878.08
N,94481.28,15948.59,8.75, Sta.878.65
N,94517.11,16018.61,7.1, Sta.879.45
L I-5 Seg 21NB Highway 76 on loop ramp,7
N,94409.69,15805.94,10.2,874+60
N,94447.31,15793.21,11.8,875+00
N,94490.49,15761.35,16.2,875+60
N,94492.73,15725.04,19.1,876+00
N,94471.06,15697.06,20.8,876+40
N,94435.94,15689.67,21.1,876+80
N,94373.98,15732.11,19.8,877+60
N,94306.15,15805.24,18.6,878+60
N,94262.48,15867.10,18.8,879+38
L I-5 Seg 21SB Truck,8
N,94297.91,15723.34,20.5, Sta.878
N,94368.30,15653.00,22.2, Sta.877
N,94449.47,15585.57,25.1, Sta.876
N,94534.34,15530.31,28.1, Sta.875
N,94626.26,15484.70,31.1, Sta.874
N,94720.85,15446.00,32.73, Sta.873
N,94812.42,15406.42,33.54, Sta.872
N,94906.00,15368.62,33.15, Sta.871
N,94998.86,15330.55,31.6, Sta.870
N,95092.93,15292.55,30.2, Sta.869
N,95186.23,15254.12,31.2, Sta.868
N,95277.08,15216.70,33.94, Sta.867
N,95376.04,15174.10,35.4, Sta.865.6
N,95452.27,15126.30,37, Sta.865
N,95530.02,15070.84,38.8, Sta.864
N,95603.23,15004.8,40.2, Sta.863
L I-5 Seg 21SB Cars,9
N,94303.09,15728.43,20.28, Sta.878
N,94373.92,15657.86,21.9, Sta.877
N,94454.06,15591.36,24.8, Sta.876
N,94538.30,15537.10,27.8, Sta.875
N,94629.80,15490.88,30.68, Sta.874
N,94723.95,15452.62,32.76, Sta.873
N,94815.62,15413.18,33.59, Sta.872
N,94908.71,15375.24,33.23, Sta.871
N,95002.50,15337.73,31.8, Sta.870
N,95096.39,15298.67,30.36, Sta.869
N,95188.70,15260.29,31.32, Sta.868
N,95280.93,15223.14,33.8, Sta.867
N,95383.10,15178.76,36.5, Sta.865.6
N,95453.91,15130.84,37.5, Sta.865
N,95533.14,15074.78,39.2, Sta.864
N,95606.68,15007.87,40.7, Sta.863
L I-5 Seg 21SB HOV,10
N,94309.08,15733.33,20, Sta.878
N,94379.08,15662.81,21.7, Sta.877
N,94459.17,15598.70,24.5, Sta.876
N,94542.06,15542.93,27.5, Sta.875
N,94633.15,15497.76,30.1, Sta.874
N,94727.11,15459.81,32.9, Sta.873
N,94818.91,15420.61,33.75, Sta.872
N,94912.28,15382.89,33.4, Sta.871

N,95005.24,15344.06,31.75, Sta.870
N,95099.09,15306.33,30.38, Sta.869
N,95192.75,15268.34,31.8, Sta.868
N,95284.67,15230.28,34, Sta.867
N,95391.42,15183.93,36.75, Sta.865.6
N,95459.80,15139.04,37.9, Sta.865
N,95539.56,15082.43,39.5, Sta.864
N,95614.15,15015.63,41, Sta.863
L I-5 Seg 21SB 21SB On ramp loop from Mission Ave,11
Y,95247.4,15125.1,35.8,868+00
Y,95231.1,15158.9,34.3,867+60
Y,95242.8,15189.7,33.6,867+20
Y,95275.8,15195.9,33.8,866+80
N,95348.7,15165.0,35.2,866+00
N,95436.9,15119.2,36.9,865+00
N,95520.2,15064.8,38.7,864+00
N,95596.3,15000.8,40.1,863+00
N,95638.0,14959.6,40.3,862+40
N,95664.9,14928.2,40.2,862+00
L I-5 Seg 21SB 21SB Off ramp to Mission Ave,12
N,94977.6,15335.3,31.8,870+20
N,95031.8,15306.9,30.6,869+60
N,95085.0,15279.1,29.9,869+00
N,95137.9,15251.1,30.0,868+40
N,95168.0,15226.7,30.8,868+00
N,95201.4,15177.9,33.1,867+40
N,95242.6,15109.0,36.3,866+60
L I-5 Seg 21SB 21SB On ramp from Highway 76,13
Y,94322.5,15475.18,19.86, Sta.877.1
Y,94395.64,15473.44,22, Sta.876.4
Y,94445.26,15487.17,25, Sta.875.9
N,94504.95,15506.44,27.5, Sta.875.25
N,94574.43,15494.34,29.63, Sta.874.5
N,94663.52,15462.26,32, Sta.873.6
Y,94759.74,15423.59,34, Sta.872.6
Y,94858.07,15383.43,38, Sta.871.5
L I-5 Seg 21SB Off Loop to Highway 76 EB,14
N,94238.33,15807.81,20.57, Sta.879
N,94298.11,15721.85,20.825, Sta.878
N,94349.34,15662.41,22.74, Sta.877.2
N,94419.95,15592.57,24.125, Sta.876.2
N,94448.67,15559.45,24.7, Sta.875.8
Y,94445.58,15521.27,24, Sta.875.4
Y,94422.77,15493.8,22.497, Sta.875
Y,94388.59,15485.56,21.058, Sta.874.6
Y,94355.07,15501.91,19.813, Sta.874.2
N,94341.19,15532.53,18.737, Sta.873.9
N,94341.97,15562.39,18.5, Sta.873.6
Barrier 1 Soundwall ROW NB,1,2,0,0
95454.36,15317.19,40.26,40.26, 865.45N
95432.72,15326.82,39.8,39.8, 865.65N
95400.22,15326.57,38.78,38.78, 865.9N
95348.38,15307.34,36.53,36.53, 866.45N
95307.06,15282.54,37.42,37.42, 866.9N
95275.31,15285.68,36.82,36.82, 867.3N
95195.10,15316.31,37.2,37.2, 868.15N

Barrier 2 Soundwall ROW NB,2,2,0,0
95195.10,15316.31,37.2,37.2, 868.15N
95174.21,15320.25,35.5,35.5, 868.35N
95174.21,15320.25,35.5,35.5, 868.35N
95114.12,15345.09,30.15,30.15, 869N
95019.86,15384.58,31.27,31.27, 870N
94929.09,15422.60,32.75,32.75, 871N
94847.09,15467.07,40.5,40.5, 872N
94748.45,15519.96,42.33,42.33, 873N
94647.95,15572.12,37,37, 874.2N
Barrier 3 Terrain Line Bush St NB,3,2,0,0
95182.78,15316.96,37.6,37.6, 868.25NT
95224.41,15339.55,36.53,36.53, 867.9NT
95281.12,15373.37,38.41,38.41, 867.5NT
Barrier 4 Terrain Line NB,4,2,0,0
95246.15,15305.10,36.19,36.19, 867.5NT
95206.44,15367.91,36,36, 868.2NT
95140.74,15455.46,36.5,36.5, 869NT
95140.84,15495.28,37,37, 869.2NT
Barrier 5 Terrain NB,5,2,0,0
95451.34,15204.11,44.3,44.3, 865.6NT
95513.22,15240.58,41.2,41.2, 856.6NT
Barrier 6 Divider Jersey Barrier,6,2,0,0
95394.80,15186.62,36.7,37.7, 865.6C
95285.42,15235.86,34,35, 867C
95193.18,15274.50,31.2,32.2, 868C
95100.94,15313.13,30.4,31.4, 869C
95008.70,15351.76,31.7,32.7, 870C
94916.46,15390.40,33.3,34.3, 871C
94824.21,15429.03,33.7,34.7, 872C
94731.97,15467.66,33.8,34.8, 873C
94639.73,15506.30,30.8,31.8, 874C
94550.40,15551.21,27.5,28.5, 875C
Barrier 7 Divider Jersey Barrier,7,2,0,0
94550.40,15551.21,27.5,28.5, 875C
94466.36,15605.24,24.5,25.5, 876C
94388.75,15668.23,21.9,22.9, 877C
94318.47,15739.27,20,21, 878C
Barrier 8 Terrain Line ROW SB,8,2,0,0
95205.83,15124.97,36.17,36.17, 866.9S
95190.16,15188.22,37.18,37.18, 867.6S
95156.02,15228.99,29.75,29.75, 868.2S
95112.18,15255.18,30,30, 868.65S
95084.66,15264.66,37,37, 868.9S
95084.66,15264.66,37,37, 868.9S
95067.79,15270.7,36.2,36.2, 869.05S
Barrier 9 Soundwall ROW SB,9,2,0,0
95067.79,15270.70,36.2,36.2, 869.05S
95018.53,15297.73,37.5,37.5, 869.7S
94989.00,15307.00,37,37, 869.75S
94937.85,15343.86,38.7,38.7, 870.6S
94844.65,15379.61,40.7,40.7, 871.6S
94746.05,15423.30,38.2,38.2, 872.65S
94657.99,15451.09,32.35,32.35, 873.5S
94587.75,15478.95,30,30, 874.25S
94575.23,15485.95,33.5,33.5, 874.5S

Barrier 10 Soundwall ROW SB,10,2,0,0
94575.23,15485.95,33.5,33.5, 874.5S
94559.34,15485.6,34.9,34.9, 874.6S
94519.58,15494.94,27,27, 875.1S
94442.58,15474.69,23.8,23.8, 876S
94383.92,15464.43,22.7,22.7, 876.55S
94341.02,15462.52,20.89,20.89, 876.9S
Barrier 11Building SB,11,2,0,0
95075.65,15111.71,37,47, 867.6SB
95180.92,15190.99,37.18,47.18, 867.6SB
95056.90,15242.47,39.5,49.5, 869SB
Barrier 12Building SB,12,2,0,0
94997.06,15232.22,39.86,53.86, 869.6SB
94935.36,15294.67,41.5,51.5, 870.4SB
Barrier 13Terrain Line,13,2,0,0
94565.28,15482.6,35.2,35.2, 874.5ST
94536.89,15451.89,31.75,31.75, 874.6ST
94482.31,15414.71,25.6,25.6, 875ST
Barrier 14Terrain Line Bush St,14,2,0,0
95085.10,15271.94,39,39, 869ST
95025.53,15236.25,38.75,38.75, 869.5ST
R 21.1,1,55,3
95473.48,15366.51,42.8, SF
R 21.2,2,55,3
95416.40,15396.59,41.9, SF
R 21.3,3,55,3
95351.81,15358.57,39.3, SF
R 21.4,4,55,3
95301.98,15332.18,39.7, SF
R 21.5,5,55,5
95262.8,15323.2,38.65, LT21.1
R 21.6,6,55,6
95211.43,15379.43,37.4, MF
R 21.7,7,55,2
95230.94,15391.26,38.3, SF
R 21.8,8,55,2
95181.94,15424.79,38, SF
R 21.9,9,55,2
94353.72,15447.8,22.7, Hotel
R 21.10,10,55,1
94442.42,15435.92,25.8, SF
R 21.11,11,55,3
94468.65,15456.61,26.8, SF
R 21.12,12,55,8
94580.22,15423.08,28.7, MF
R 21.13,13,55,7
94628.51,15429.33,31.5, MF
R 21.14,14,55,1
94644.6,15442.3,32.9, 21.14
R 21.15,15,55,5
94706.51,15373.84,33.2, SF
R 21.16,16,55,2
94692.71,15405.29,33.75,21.15A
R 21.17,17,55,1
94783.72,15385.03,39.3, SF
R 21.18,18,55,2

94898.28,15345.4,43.1, Park
R 21.19,19,55,6
94943.66,15262.21,43, MF
R 21.20,20,55,3
95047.97,15271.08,38, ST21.1/CAL
R 21.8A,21,55,6
95160.81,15485.19,39, 21.8A
D,4.5
A, A
ALL, ALL
K,0
All, All
K,-5
All,2,3,4,7,10,12,13,15,16

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGMENT 21 NB & SB MISSION TO HIGHWAY 76 - NO BARRIER

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	- 0.*								865.45N	77.7	
2	- 0.*								865.65N	106.8	
3	- 0.*								865.9N	181.5	
4	- 0.*								866.45N	158.1	
5	- 0.*								866.9N	104.7	
6	- 0.*								867.3N	281.6	
7	- 0.*								868.15N	70.0	
8	- 0.*								868.35N	.0	
9	- 0.*								868.35N	214.0	
10	- 0.*								869N	335.3	
11	- 0.*								870N	322.9	
12	- 0.*								871N	307.1	
13	- 0.*								872N	367.2	
14	- 0.*								873N	371.9	
15	- 0.*								868.25N	155.4	
16	- 0.*								867.9NT	216.8	
17	- 0.*								867.5NT	243.8	
18	- 0.*								868.2NT	359.1	
19	- 0.*								869NT	130.6	
20	- 0.*								865.6NT	235.8	
21	- 3.*								865.6C	393.7	
22	- 3.*								867C	328.2	
23	- 3.*								868C	328.1	
24	- 3.*								869C	328.2	
25	- 3.*								870C	328.1	
26	- 3.*								871C	328.1	
27	- 3.*								872C	328.1	
28	- 3.*								873C	328.2	
29	- 3.*								874C	328.2	
30	- 3.*								875C	327.9	
31	- 3.*								876C	328.1	
32	- 3.*								877C	327.9	
33	- 0.*								866.9S	213.8	
34	- 0.*								867.6S	176.2	
35	- 0.*								868.2S	167.6	
36	- 0.*								868.65S	98.2	

```
37    -  0.*                    868.9S      .0
38    -  0.*                    868.9S     58.8

39    -  0.*                    869.05S   184.4
40    -  0.*                    869.7S    101.6
41    -  0.*                    869.75S   206.9
42    -  0.*                    870.6S    327.6
43    -  0.*                    871.6S    354.0
44    -  0.*                    872.65S   303.6
45    -  0.*                    873.5S    248.0
46    -  0.*                    874.25S    48.4

47    -  0.*                    874.5S     52.3
48    -  0.*                    874.6S    136.5
49    -  0.*                    875.1S    261.4
50    -  0.*                    876S      195.5
51    -  0.*                    876.55S   141.0

52    - 33.*                     867.6SB   432.4
53    - 33.*                     867.6SB   440.6

54    - 39.*                     869.6SB   288.1

55    -  0.*                    874.5ST   137.6
56    -  0.*                    874.6ST   217.6

57    -  0.*                    869ST     227.9
-------------------------------------------------------------------------------
     0   1   2   3   4   5   6   7
1
 REC REC ID    DNL  PEOPLE   LEQ(CAL)
 ---------------------------------
  1  SF       67.    500.   68.4
  2  SF       67.    500.   63.1
  3  SF       67.    500.   65.6
  4  SF       67.    500.   68.0
  5  LT21.1   67.    500.   74.0
  6  MF       67.    500.   71.3
  7  SF       67.    500.   65.4
  8  SF       67.    500.   70.6
  9  HOTEL    67.    500.   70.6
 10  SF       67.    500.   65.6
 11  SF       67.    500.   72.5
 12   MF      67.    500.   66.1
 13  MF       67.    500.   69.7
 14  21.14    67.    500.   77.5
 15  SF       67.    500.   64.5
 16 21.15A    67.    500.   67.4
 17  SF       67.    500.   72.6
 18  PARK     67.    500.   77.4
 19  MF       67.    500.   64.9
 20  ST21.1/  67.    500.   76.2
 21  21.8A    67.    500.   68.8
 BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
```

1 1 1 1 1 1 1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3.
3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
0.33.33.39. 0. 0. 0.

Roadway Segment 21 NB & SB Mission to Highway 76 - Design File
T RW Seg 21NB Truck,1
4750,65,194,65,456,65
T RW Seg 21NB Car,2
3470,65,130,65,0,0
T RW Seg 21NB HOV,3
3000,65,0,0,0,0
T RW Seg 21NB Off Loop to Misson,4
1890,25,54,25,56,25
T RW Seg 21NB On Ramp from Mission,5
945,45,27,45,28,45
T RW Seg 21NB Off ramp to Highway 76,6
1890,45,54,45,56,45
T RW Seg 21NB Highway 76 on loop ramp,7
945,25,27,25,28,25
T RW Seg 21SB Truck,8
4750,65,194,65,456,65
T RW Seg 21SB Car,9
3470,65,130,65,0,0
T RW Seg 21SB HOV,10
3000,65,0,0,0,0
T RW Seg 21SB On Ramp loop from Mission,11
945,25,27,25,28,25
T RW Seg 21SB Off ramp to Mission,12
945,45,27,45,28,45
T RW Seg 21SB On Ramp from Highway 76,13
1890,45,54,45,56,45
T RW Seg 21SB Off Loop to Highway 76 EB,14
945,25,27,25,28,25
L I-5 Seg 21NB Truck,1
N,95636.93,15038.05,42.2,Sta.863
N,95560.91,15106.44,40.8,Sta.864
N,95477.81,15166.45,39.7,Sta.865
N,95423.76,15203.04,38,Sta.865.6
N,95300.58,15258.57,34.2,Sta.867
N,95205.6,15297.66,31.2,Sta.868
N,95112.31,15335.05,30.15,Sta.869
N,95020.17,15373.7,31.5,Sta.870
N,94926.1,15412.42,33.1,Sta.871
N,94834.19,15450.22,33.6,Sta.872
N,94740.29,15488.82,32.7,Sta.873
N,94648.26,15526.77,30.2,Sta.874
N,94560.9,15570.59,27.2,Sta.875
N,94476.14,15622.98,24.25,Sta.876
N,94401.81,15682.34,21.4,Sta.877
N,94332.44,15753.38,19.5,Sta.878
L I-5 Seg 21NB Cars,2
N,95632.6,15034.6,41.7,Sta.863
N,95556,15103.5,40.4,Sta.864
N,95473.8,15161.9,38.7,Sta.865
N,95417.1,15199.1,37.4,Sta.865.6
N,95295.94,15251.48,34.2,Sta.867
N,95202.74,15290.91,31.2,Sta.868
N,95108.92,15328.53,30.25,Sta.869
N,95016.56,15366.48,31.6,Sta.870
N,94923.45,15404.93,33.25,Sta.871

N,94831,15443.46,33.65,Sta.872
N,94737.78,15482.61,32.88,Sta.873
Y,94645.26,15520.43,31.5,Sta.874
N,94556.01,15563.7,27.5,Sta.875
N,94472.3,15617.41,24.5,Sta.876
N,94396.8,15677.77,21.6,Sta.877
N,94326.2,15748.53,19.9,Sta.878
L I-5 Seg 21NB HOV,3
N,95625.8,15027.6,41.5,Sta.863
N,95550.5,15094.8,40,Sta.864
N,95468.6,15153.8,38.4,Sta.865
N,95408.67,15193.58,37,Sta.865.6
N,95293,15245.38,34.1,Sta.867
N,95199.4,15284.1,31.2,Sta.868
N,95105.42,15321.19,30.34,Sta.869
N,95013.45,15359.79,31.85,Sta.870
N,94919.81,15397.67,33.31,Sta.871
N,94827.07,15436.24,33.7,Sta.872
N,94733.4,15474.96,32.89,Sta.873
N,94641,15512.48,30.81,Sta.874
N,94551.68,15557.12,27.7,Sta.875
N,94466.91,15610.89,24.6,Sta.876
N,94391.05,15672.41,22,Sta.877
N,94320.03,15742.63,20.26,Sta.878
L I-5 Seg 21NB NB Off Loop to Misson Ave WB,4
N,95777.7,14870.3,39.2,860+85
N,95717.8,14968.5,42.3,862+00
N,95654.3,15046.3,43,863+00
Y,95578.5,15112.3,41.5,864+00
N,95497.9,15172,39.1,865+00
Y,95411.3,15222.5,37.4,866+00
Y,95384.5,15247.2,37.7,866+40
N,95384.8,15281.1,38.3,866+80
Y,95412,15300.5,39.8,867+20
N,95444.3,15290.5,41,867+60
Y,95465.5,15257.2,42.1,868+00
L I-5 Seg 21NB21 NB On Ramp from Mission,5
N,95483,15251.9,42.4,864+80
N,95448.4,15302.3,40.2,865+40
N,95429.3,15311.5,39.4,865+60
N,95407.4,15312.7,38.6,865+80
N,95336.6,15274,35.3,866+60
N,95299.4,15272,33.9,867+00
N,95205.2,15303.2,30.9,868+00
N,95112.2,15340.2,30.1,869+00
N,95020,15378.6,31.2,870+00
L I-5 Seg 21NB21 NB Off ramp to Highway 76,6,
Y,94929.64,15418.35,31.5,Sta.871
N,94835.52,15454,35,Sta.872
N,94744.4,15497.84,33.5,Sta.873
Y,94653.96,15540.78,30.5,Sta.874
Y,94588.38,15597.23,26.5,Sta.874.8
Y,94559.21,15649.11,23,Sta.875.45
Y,94538.97,15696.58,20,Sta.876
Y,94520.46,15742.06,16.75,Sta.876.45
Y,94482.08,15838.19,10.2,Sta.877.55

N,94472.7,15890.32,8.2,Sta.878.08
N,94481.28,15948.59,8.75,Sta.878.65
N,94517.11,16018.61,7.1,Sta.879.45
L I-5 Seg 21NB Highway 76 on loop ramp,7
N,94409.69,15805.94,10.2,874+60
N,94447.31,15793.21,11.8,875+00
N,94490.49,15761.35,16.2,875+60
N,94492.73,15725.04,19.1,876+00
N,94471.06,15697.06,20.8,876+40
N,94435.94,15689.67,21.1,876+80
N,94373.98,15732.11,19.8,877+60
N,94306.15,15805.24,18.6,878+60
N,94262.48,15867.1,18.8,879+38
L I-5 Seg 21SB Truck,8
N,94297.91,15723.34,20.5,Sta.878
N,94368.3,15653,22.2,Sta.877
N,94449.47,15585.57,25.1,Sta.876
N,94534.34,15530.31,28.1,Sta.875
N,94626.26,15484.7,31.1,Sta.874
N,94720.85,15446,32.73,Sta.873
N,94812.42,15406.42,33.54,Sta.872
N,94906,15368.62,33.15,Sta.871
N,94998.86,15330.55,31.6,Sta.870
N,95092.93,15292.55,30.2,Sta.869
N,95186.23,15254.12,31.2,Sta.868
N,95277.08,15216.7,33.94,Sta.867
N,95376.04,15174.1,35.4,Sta.865.6
N,95452.27,15126.3,37,Sta.865
N,95530.02,15070.84,38.8,Sta.864
N,95603.23,15004.8,40.2,Sta.863
L I-5 Seg 21SB Cars,9
N,94303.09,15728.43,20.28,Sta.878
N,94373.92,15657.86,21.9,Sta.877
N,94454.06,15591.36,24.8,Sta.876
N,94538.3,15537.1,27.8,Sta.875
N,94629.8,15490.88,30.68,Sta.874
N,94723.95,15452.62,32.76,Sta.873
N,94815.62,15413.18,33.59,Sta.872
N,94908.71,15375.24,33.23,Sta.871
N,95002.5,15337.73,31.8,Sta.870
N,95096.39,15298.67,30.36,Sta.869
N,95188.7,15260.29,31.32,Sta.868
N,95280.93,15223.14,33.8,Sta.867
N,95383.1,15178.76,36.5,Sta.865.6
N,95453.91,15130.84,37.5,Sta.865
N,95533.14,15074.78,39.2,Sta.864
N,95606.68,15007.87,40.7,Sta.863
L I-5 Seg 21SB HOV,10
N,94309.08,15733.33,20,Sta.878
N,94379.08,15662.81,21.7,Sta.877
N,94459.17,15598.7,24.5,Sta.876
N,94542.06,15542.93,27.5,Sta.875
N,94633.15,15497.76,30.1,Sta.874
N,94727.11,15459.81,32.9,Sta.873
N,94818.91,15420.61,33.75,Sta.872
N,94912.28,15382.89,33.4,Sta.871

N,95005.24,15344.06,31.75,Sta.870
N,95099.09,15306.33,30.38,Sta.869
N,95192.75,15268.34,31.8,Sta.868
N,95284.67,15230.28,34,Sta.867
N,95391.42,15183.93,36.75,Sta.865.6
N,95459.8,15139.04,37.9,Sta.865
N,95539.56,15082.43,39.5,Sta.864
N,95614.15,15015.63,41,Sta.863
L I-5 Seg 21SB21SB On ramp loop from Mission Ave,11
Y,95247.4,15125.1,35.8,868+00
Y,95231.1,15158.9,34.3,867+60
Y,95242.8,15189.7,33.6,867+20
Y,95275.8,15195.9,33.8,866+80
N,95348.7,15165,35.2,866+00
N,95436.9,15119.2,36.9,865+00
N,95520.2,15064.8,38.7,864+00
N,95596.3,15000.8,40.1,863+00
N,95638,14959.6,40.3,862+40
N,95664.9,14928.2,40.2,862+00
L I-5 Seg 21SB21SB Off ramp to Mission Ave,12
N,94977.6,15335.3,31.8,870+20
N,95031.8,15306.9,30.6,869+60
N,95085,15279.1,29.9,869+00
N,95137.9,15251.1,30,868+40
N,95168,15226.7,30.8,868+00
N,95201.4,15177.9,33.1,867+40
N,95242.6,15109,36.3,866+60
L I-5 Seg 21SB21SB On ramp from Highway 76,13
Y,94322.5,15475.18,19.86,Sta.877.1
Y,94395.64,15473.44,22,Sta.876.4
Y,94445.26,15487.17,25,Sta.875.9
N,94504.95,15506.44,27.5,Sta.875.25
N,94574.43,15494.34,29.63,Sta.874.5
N,94663.52,15462.26,32,Sta.873.6
Y,94759.74,15423.59,34,Sta.872.6
Y,94858.07,15383.43,38,Sta.871.5
L I-5 Seg 21SBOff Loop to Highway 76 EB,14
N,94238.33,15807.81,20.57,Sta.879
N,94298.11,15721.85,20.825,Sta.878
N,94349.34,15662.41,22.74,Sta.877.2
N,94419.95,15592.57,24.125,Sta.876.2
N,94448.67,15559.45,24.7,Sta.875.8
Y,94445.58,15521.27,24,Sta.875.4
Y,94422.77,15493.8,22.497,Sta.875
Y,94388.59,15485.56,21.058,Sta.874.6
Y,94355.07,15501.91,19.813,Sta.874.2
N,94341.19,15532.53,18.737,Sta.873.9
N,94341.97,15562.39,18.5,Sta.873.6
Barrier 1 Soundwall ROW NB,1,2,0,0
95454.36,15317.19,40.26,40.26,865.45
95432.71,15326.81,39.8,39.8,865.65
95400.21,15326.56,38.78,38.78,865.9
95400.21,15326.56,38.78,43.66,865.9
95379.61,15325.96,37.8,42.68,866.05
95348.37,15307.34,36.53,41.41,866.45
95307.06,15282.54,37.42,42.3,866.9

95275.3,15285.68,36.82,41.7,867.3
95195.1,15316.31,37.2,42.08,868.15
Barrier 2 Soundwall ROW NB,2,2,0,0
95174.2092,15320.2475,35.5,35.5, 868.35N
95114.118,15345.0948,30.15,30.15, 869N
95019.8614,15384.5774,31.27,31.27, 870N
94929.094,15422.5985,32.75,32.75, 871N
94847.0897,15467.066,40.5,40.5, 872N
94748.4549,15519.9566,42.33,42.33, 873N
Barrier 3 Terrain Line ROW NB,3,2,0,0
95195.1013,15316.3101,37.2,37.2, 868.15NT
95174.2092,15320.2475,35.5,35.5, 868.35NT
Barrier 4 Terrain Line ROW NB,4,2,0,0
95019.8614,15384.5774,31.27,31.27, 870NT
94929.094,15422.5985,32.75,32.75, 871NT
94847.0897,15467.066,40.5,40.5, 872NT
94748.4549,15519.9566,42.33,42.33, 873NT
94647.9457,15572.1197,37,37, 874.2NT
Barrier 5 Terrain Line Bush St NB,5,2,0,0
95182.7804,15316.9613,37.6,37.6, 868.25NT
95224.4081,15339.5467,36.53,36.53, 867.9NT
95281.1222,15373.3716,38.41,38.41, 867.5NT
Barrier 6 Terrain Line NB,6,2,0,0
95246.15,15305.1,36.2,36.2, 867.5NT
95206.4409,15367.91,36,36, 868.2NT
95140.7413,15455.46,36.5,36.5, 869NT
95140.8416,15495.28,37,37, 869.2NT
Barrier 7 Terrain NB,7,2,0,0
95451.34,15204.11,44.3,44.3, 865.6NT
95513.22,15240.58,41.2,41.2, 856.6NT
Barrier 8 Divider Jersey Barrier,8,2,0,0
95394.8,15186.62,36.7,37.7, 865.6C
95285.42,15235.86,34,35, 867C
95193.18,15274.5,31.2,32.2, 868C
95100.94,15313.13,30.4,31.4, 869C
95008.7,15351.76,31.7,32.7, 870C
94916.46,15390.4,33.3,34.3, 871C
94824.21,15429.03,33.7,34.7, 872C
94731.97,15467.66,33.8,34.8, 873C
94639.73,15506.3,30.8,31.8, 874C
Barrier 9 Divider Jersey Barrier,9,2,0,0
94639.73,15506.3,30.8,31.8, 874C
94550.4,15551.21,27.5,28.5, 875C
94466.36,15605.24,24.5,25.5, 876C
94388.75,15668.23,21.9,22.9, 877C
94318.47,15739.27,20,21, 878C
Barrier 10 Terrain Line ROW SB,10,2,0,0
95205.83,15124.97,36.17,36.17, 866.9S
95190.16,15188.22,37.18,37.18, 867.6S
95156.02,15228.99,29.75,29.75, 868.2S
95112.18,15255.18,30,30, 868.65S
95084.66,15264.66,37,37, 868.9S
95084.66,15264.66,37,37, 868.9S
95067.79,15270.7,36.2,36.2, 869.05S
Barrier 11 Soundwall ROW SB,11,2,0,0
95067.79,15270.7,36.2,38.64, 869.05S

95018.53,15297.73,37.5,39.94, 869.7S
94989,15307,37,39.44, 869.75S
94937,15346,38.7,41.14, 870.6S
94937,15346,38.7,41.74, 870.6S
94844.65,15379.61,40.7,43.75, 871.6S
94746.05,15423.3,38.2,41.24, 872.65S
Barrier 12 Soundwall ROW SB,12,2,0,0
94746.05,15423.3,38.2,41.24, 872.65S
94657.99,15451.09,32.35,35.39, 873.5S
94587.75,15478.95,30,33.04, 874.25S
94580.08,15479.58,33.05,33.05, 874.4S
Barrier 13 Soundwall ROW SB,13,2,0,0
94554.93,15486.48,33.88,33.88, 874.6S
94546.07,15488.71,29,33.88, 874.7S
94519.58,15494.94,27,31.88, 875.1S
94442.58,15474.69,23.8,28.68, 876S
94442.58,15474.69,23.8,28.07, 876S
94383.92,15464.43,22.7,26.97, 876.55S
94341.02,15462.52,20.89,25.15, 876.9S
Barrier 14 Terrain Line Road ROW SB,14,2,0,0
94580.08,15479.58,33.05,33.05, 874.4S
94570.71,15482.28,35.67,35.67, 874.5S
94559.34,15485.6,34.9,34.9, 874.6S
94554.93,15486.48,34.27,34.27, 874.6S
Barrier 15 Building SB,15,2,0,0
95075.65,15111.71,37,47, 867.6SB
95180.92,15190.99,37.18,47.18, 867.6SB
95056.9,15242.47,39.5,49.5, 869SB
Barrier 16 Building SB,16,2,0,0
94997.06,15232.22,39.86,53.86, 869.6SB
94935.36,15294.67,41.5,51.5, 870.4SB
Barrier 17 Terrain Line,17,2,0,0
94565.28,15482.6,35.2,35.2, 874.5ST
94536.89,15451.89,31.75,31.75, 874.6ST
94482.31,15414.71,25.6,25.6, 875ST
Barrier 18 Terrain Line Bush St,18,2,0,0
95085.1,15271.94,39,39, 869ST
95025.53,15236.25,38.3,38.3, 869.5ST
R 21.1,1,55,3
95473.48,15366.51,42.8, SF
R 21.2,2,55,3
95416.4,15396.59,41.9, SF
R 21.3,3,55,3
95351.81,15358.57,39.3, SF
R 21.4,4,55,3
95301.98,15332.18,39.7, SF
R 21.5,5,55,5
95262.8,15323.2,38.65, LT21.1
R 21.6,6,55,6
95211.43,15379.43,37.4, MF
R 21.7,7,55,2
95230.94,15391.26,38.3, SF
R 21.8,8,55,2
95181.94,15424.79,38, SF
R 21.9,9,55,2
94353.72,15447.8,22.7, Hotel

R 21.10,10,55,1
94442.42,15435.92,25.8, SF
R 21.11,11,55,3
94468.65,15456.61,26.8, SF
R 21.12,12,55,8
94580.22,15423.08,28.7, MF
R 21.13,13,55,7
94628.51,15429.33,31.5, MF
R 21.14,14,55,1
94644.6,15442.3,32.9,21.14
R 21.15,15,55,5
94706.51,15373.84,33.2, SF
R 21.16,16,55,2
94692.71,15405.29,33.75,21.15A
R 21.17,17,55,1
94783.72,15385.03,39.3, SF
R 21.18,18,55,2
94898.28,15345.4,43.1, Park
R 21.19,19,55,6
94943.66,15262.21,43, MF
R 21.20,20,55,3
95047.97,15271.08,38, ST21.1/CAL
R 21.8A,21,55,6
95160.81,15485.19,39, 21.8A
D,4.5
A, A
ALL, ALL
K,0
All, All
K,-5
All,2,3,4,7,10,12,13,15,16

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGMENT 21 NB & SB MISSION TO HIGHWAY 76 - DESIGN

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	0.*							865.45	77.8	
2	-	0.*							865.65	106.7	
3	-	8.*							865.9	16.0	
4	-	16.*							865.9	67.7	
5	-	16.*							866.05	119.4	
6	-	16.*							866.45	158.0	
7	-	16.*							866.9	104.7	
8	-	16.*							867.3	281.6	
9	-	0.*							868.35N	214.0	
10	-	0.*							869N	335.2	
11	-	0.*							870N	322.9	
12	-	0.*							871N	307.2	
13	-	0.*							872N	367.2	
14	-	0.*							868.15N	70.0	
15	-	0.*							870NT	322.9	
16	-	0.*							871NT	307.2	
17	-	0.*							872NT	367.2	
18	-	0.*							873NT	371.9	
19	-	0.*							868.25N	155.4	
20	-	0.*							867.9NT	216.8	
21	-	0.*							867.5NT	243.8	
22	-	0.*							868.2NT	359.1	
23	-	0.*							869NT	130.6	
24	-	0.*							865.6NT	235.8	
25	-	3.*							865.6C	393.7	
26	-	3.*							867C	328.2	
27	-	3.*							868C	328.1	
28	-	3.*							869C	328.2	
29	-	3.*							870C	328.1	
30	-	3.*							871C	328.1	
31	-	3.*							872C	328.1	
32	-	3.*							873C	328.2	
33	-	3.*							874C	328.2	
34	-	3.*							875C	327.9	
35	-	3.*							876C	328.1	

36	-	3.*	877C	327.9
37	-	0.*	866.9S	213.8
38	-	0.*	867.6S	176.2
39	-	0.*	868.2S	167.6
40	-	0.*	868.65S	98.2
41	-	0.*	868.9S	.0
42	-	0.*	868.9S	58.8
43	-	8.*	869.05S	184.4
44	-	8.*	869.7S	101.6
45	-	8.*	869.75S	213.4
46	-	9.*	870.6S	1.9
47	-	10.*	870.6S	322.5
48	-	10.*	871.6S	354.0
49	-	10.*	872.65S	303.6
50	-	10.*	873.5S	248.0
51	-	5.*	874.25S	25.3
52	-	8.*	874.6S	30.0
53	-	16.*	874.7S	89.5
54	-	16.*	875.1S	261.4
55	-	15.*	876S	2.0
56	-	14.*	876S	195.5
57	-	14.*	876.55S	141.0
58	-	0.*	874.4S	33.1
59	-	0.*	874.5S	38.9
60	-	0.*	874.6S	14.9
61	-	33.*	867.6SB	432.4
62	-	33.*	867.6SB	440.6
63	-	39.*	869.6SB	288.1
64	-	0.*	874.5ST	137.6
65	-	0.*	874.6ST	217.6
66	-	0.*	869ST	227.9

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0 1 2 3 4 5 6 7

1

REC	REC ID	DNL	PEOPLE	LEQ(CAL)
1	SF	67.	500.	68.0
2	SF	67.	500.	61.6
3	SF	67.	500.	61.3
4	SF	67.	500.	62.9
5	LT21.1	67.	500.	68.1
6	MF	67.	500.	70.0
7	SF	67.	500.	63.8
8	SF	67.	500.	70.0
9	HOTEL	67.	500.	64.2
10	SF	67.	500.	61.1
11	SF	67.	500.	66.4

12 MF 67. 500. 61.1
13 MF 67. 500. 63.8
14 21.14 67. 500. 70.8
15 SF 67. 500. 60.4
16 21.15A 67. 500. 62.3
17 SF 67. 500. 67.3
18 PARK 67. 500. 72.3
19 MF 67. 500. 62.1
20 ST21.1/ 67. 500. 70.7
21 21.8A 67. 500. 68.3
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
0. 0. 8.16.16.16.16.16. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3.
3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 8. 8. 8. 9.10.10.10.10.
5. 8.16.16.15.14.14. 0. 0. 0.33.33.39. 0. 0. 0.

Roadway Segment 22 NB & SB Highway 76 to Wire Mountain Road - No Build
T RW Seg 22NB Truck, 1
4889, 65, 115, 65, 396, 65
T RW Seg 22NB Truck, 2
4889, 65, 115, 65, 396, 65
T RW Seg 22NB Car, 3
3427, 65, 173, 65, 0 , 0
T RW Seg 22NB Car, 4
3427, 65, 173, 65, 0 , 0
T RW Seg 22NB HOV, 5
0, 0, 0, 0, 0, 0
T RW Seg 22NB HOV, 6
0, 0, 0, 0, 0, 0
T RW Seg 22NB On Loop From Highway 76, 7
945, 25, 27, 25, 28, 25
T RW Seg 22NB Conector Off ramp to Vandergriff, 8
934, 55, 32, 55, 34, 55
T RW Seg 22NB Off Loop to Harbor Drive, 9
224, 25, 8, 25, 8, 25
T RW Seg 22NB On Loop from Vandergriff, 10
177, 25, 6, 25, 6, 25
T RW Seg 22SB Truck, 11
4889, 65, 115, 65, 396, 65
T RW Seg 22SB Truck, 12
4889, 65, 115, 65, 396, 65
T RW Seg 22SB Car, 13
3427, 65, 173, 65, 0 , 0
T RW Seg 22SB Car, 14
3427, 65, 173, 65, 0 , 0
T RW Seg 22SB HOV, 15
0, 0, 0, 0, 0, 0
T RW Seg 22SB HOV, 16
0, 0, 0, 0, 0, 0
T RW Seg 22SB Off Loop to Highway 76 EB, 17
822, 25, 23, 25, 24, 25
T RW Seg 22SB Off Ramp to Highway 76 WB, 18
180, 45, 5, 45, 5, 45
T RW Seg 22SB On Loop from Harbour, 19
934, 25, 32, 25, 34, 25
T RW Seg 22SB Off Ramp to Harbor, 20
205, 45, 7, 45, 7, 45
L I-5 Seg 22NB Truck, 1
N, 94335.85, 15755.28, 19.5, Sta.878
N, 94273.6, 15832.15, 19, Sta.879
N, 94224.03, 15913.07, 20, Sta.880
N, 94177.09, 16000.33, 20.6, Sta.881
N, 94132.82, 16089.77, 21.14, Sta.882
N, 94084.96, 16177.6, 21.75, Sta.883
 94040.61, 16267.95, 22.4, Sta.884
L I-5 Seg 22NB Trucks cont, 2
N, 94040.61, 16267.95, 22.4, Sta.884
N, 93994.92, 16357.66, 23, Sta.885
N, 93950.34, 16446.39, 23.59, Sta.886
N, 93902.2, 16534.83, 23.64, Sta.887
N, 93855.85, 16623.1, 22.75, Sta.888
N, 93810.26, 16708.63, 21.2, Sta.889

N, 93772.2, 16800.8, 19.25, Sta.890
N, 93744.79, 16897.06, 19.6, Sta.891
N, 93722.81, 16992.92, 20, Sta.892
N, 93698.54, 17090.35, 20.3, Sta.893
 93674.42, 17186.5, 20.75, Sta.894
L I-5 Seg 22NB Cars, 3
N, 94330.77, 15749.3, 19.7, Sta.878
N, 94268.25, 15827.45, 19.35, Sta.879
N, 94217.83, 15910.23, 20.25, Sta.880
N, 94172.15, 15997.15, 20.84, Sta.881
N, 94126.9, 16086.84, 21.36, Sta.882
N, 94080.32, 16175.9, 22, Sta.883
 94035.03, 16265.23, 22.5, Sta.884
L I-5 Seg 22NB Cars cont, 4
N, 94035.03, 16265.23, 22.5, Sta.884
N, 93989.87, 16355.22, 23.09, Sta.885
N, 93942.14, 16442.63, 23.72, Sta.886
N, 93896.24, 16531.31, 23.7, Sta.887
N, 93850.19, 16620.2, 23, Sta.888
N, 93802.86, 16706.82, 21.2, Sta.889
N, 93765.06, 16799.5, 19.73, Sta.890
N, 93738.33, 16894.62, 19.7, Sta.891
N, 93714.1, 16990.75, 20.1, Sta.892
N, 93691.02, 17087.95, 20.5, Sta.893
 93667.28, 17185.28, 20.85, Sta.894
L I-5 Seg 22NB HOV, 5
N, 94324.84, 15743.08, 20.6, Sta.878
N, 94261.22, 15822.5, 19.5, Sta.879
N, 94210.11, 15905.63, 20.2, Sta.880
N, 94165.06, 15994.51, 20.9, Sta.881
N, 94119.06, 16082.47, 21.23, Sta.882
N, 94074.53, 16171.83, 22, Sta.883
 94027.97, 16262.15, 22.5, Sta.884
L I-5 Seg 22NB HOV cont, 6
N, 94027.97, 16262.15, 22.5, Sta.884
N, 93982.22, 16350.73, 23.2, Sta.885
N, 93936.57, 16439.02, 23.8, Sta.886
N, 93889.67, 16528.34, 23.79, Sta.887
N, 93842.95, 16616.59, 23, Sta.888
N, 93796.74, 16704.52, 21.4, Sta.889
N, 93758.63, 16797.1, 19.75, Sta.890
N, 93732.8, 16893.22, 19.74, Sta.891
N, 93708.57, 16989.34, 20, Sta.892
N, 93686.69, 17086.75, 20.5, Sta.893
 93662.89, 17183.65, 20.92, Sta.894
L 22NB On Ramp Loop From Highway 76
Y, 94408.27, 15807.27, 10.1, Sta.874.5
Y, 94486, 15772.93, 14.77, Sta.875.4
Y, 94497.64, 15732.22, 17.4, Sta.875.8
N, 94478.13, 15696.63, 20.3, Sta.876.3
N, 94438.33, 15684.66, 21.25, Sta.876.8
N, 94398.12, 15708.33, 20.876, Sta.877.2
N, 94327.06, 15775.18, 19, Sta.878.2
N, 94280.09, 15835.28, 18.8, Sta.879
 94229.13, 15915.66, 19.3, Sta.880
L I-5 Seg 22NB 22NB Off ramp to Vandergriff, 8

N, 94227.51, 15915.27, 19.5, Sta.880
N, 94184.12, 16004.50, 20.58, Sta.881
N, 94145.83, 16096.93, 21.1, Sta.882
N, 94102.78, 16187.18, 22.84, Sta.883
N, 94057.01, 16276.66, 21.55, Sta.884
N, 94042.88, 16319.16, 20.2, Sta.884.45
Y, 94044.59, 16369.93, 18.7, Sta.885
Y, 94063.71, 16467.89, 22.4, Sta.886
 94064.26, 16555.93, 26.45, Sta.887
L I-5 Seg 22NB 22NB Off Loop to Harbor Drive, 9
N, 94041.73, 16268.2, 22.9, Sta.885
N, 93997.75, 16358.73, 23.253, Sta.886
N, 93960.98, 16451.24, 23.72, Sta.886.8
N, 93930.12, 16524.28, 24.1, Sta.887.05
N, 93931.57, 16548.86, 24, Sta.887.3
N, 93945.54, 16568.21, 24.1, Sta.887.6
N, 93971.01, 16577.53, 24.05, Sta.887.95
N, 94007.8, 16568.37, 23.25, Sta.888.4
 94036.32, 16541.45, 22, Sta.888.9
L I-5 Seg 22NB 22NB On Loop from Vandergriff, 10
Y, 93996.59, 16657.35, 25.7, Sta.886
N, 93997.78, 16630.57, 24.3, Sta.886.2
N, 93974.76, 16601.11, 23.7, Sta.886.6
N, 93921.73, 16579.91, 24, Sta.887.2
N, 93886.95, 16597.58, 23, Sta.887.6
Y, 93847.26, 16659.72, 22, Sta.888.6
N, 93818.62, 16712.26, 19, Sta.889
 93778.81, 16801.96, 19.15, Sta.890
L I-5 Seg 22SB Truck, 11
N, 93998.19, 16247.15, 23.2, Sta.884
N, 94044.12, 16158.8, 21.77, Sta.883
N, 94091.69, 16069.17, 20.2, Sta.882
N, 94137.32, 15981.43, 20.96, Sta.881
N, 94182.98, 15891.15, 20.67, Sta.880
N, 94238.33, 15807.81, 20, Sta.879
 94303.2, 15724.7, 20.5, Sta.878
L I-5 Seg 22SB Truck, 12
N, 93633.51, 17172.82, 20.8
N, 93656.45, 17079.8, 20.37, Sta.893
N, 93678.99, 16983.22, 19.9, Sta.892
N, 93703.5, 16885.97, 19.8, Sta.891
N, 93729.63, 16787.19, 20.5, Sta.890
N, 93768.21, 16694.34, 22, Sta.889
N, 93815.46, 16602.21, 22.85, Sta.888
N, 93861.53, 16513.21, 23.5, Sta.887
N, 93907.29, 16425.45, 23.5, Sta.886
N, 93953.24, 16335.85, 22.8, Sta.885
N, 93998.19, 16247.15, 23.2, Sta.884
L I-5 Seg 22SB Cars, 13
N, 94004.5, 16250.29, 22.5, Sta.884
N, 94050.57, 16161.25, 22, Sta.883
N, 94097.04, 16071.77, 21.3, Sta.882
N, 94143.34, 15984.97, 20.8, Sta.881
N, 94190.2, 15894.04, 20.5, Sta.880
N, 94242.71, 15809.68, 19.73, Sta.879
 94308.18, 15730.07, 20.25, Sta.878

L I-5 Seg 22SB Cars, 14
N, 93641.11, 17175.1, 20.8, Sta.894
N, 93662.9, 17080.5, 20.4, Sta.893
N, 93685.86, 16984.94, 20.1, Sta.892
N, 93709.66, 16887.21, 19.8, Sta.891
N, 93736.63, 16790.1, 20, Sta.890
N, 93775.23, 16697.13, 21.5, Sta.889
N, 93822.08, 16605.86, 23.5, Sta.888
N, 93868.42, 16516.93, 23.77, Sta.887
N, 93914.24, 16427.42, 23.71, Sta.886
N, 93959.62, 16338.73, 23, Sta.885
94004.5, 16250.29, 22.5, Sta.884
L I-5 Seg 22SB HOV, 15
N, 94012.72, 16253.69, 22.5, Sta.884
N, 94056.28, 16163.82, 22.14, Sta.883
N, 94104.19, 16075.7, 21.24, Sta.882
N, 94151.05, 15988.77, 20.8, Sta.881
N, 94196.58, 15898.19, 20.2, Sta.880
N, 94249.22, 15814.07, 19.59, Sta.879
94313.34, 15733.96, 20, Sta.878
L I-5 Seg 22SB HOV, 16
93648.03, 17178.78, 20.89, Sta.894
93671.08, 17083.03, 20.5, Sta.893
N, 93693.78, 16986.06, 20, Sta.892
N, 93717.29, 16888.29, 19.66, Sta.891
N, 93744.34, 16791.83, 19.69, Sta.890
N, 93782.86, 16699.63, 21.4, Sta.889
N, 93828.87, 16609.05, 23, Sta.888
N, 93874.29, 16520.39, 23.82, Sta.887
N, 93920.56, 16431.55, 23.75, Sta.886
N, 93966.63, 16343.31, 23.04, Sta.885
94012.72, 16253.69, 22.5, Sta.884
L I-5 Seg 22SB Off Loop to Highway 76 EB, 17
N, 94238.33, 15807.81, 20.57, Sta.879
N, 94298.11, 15721.85, 20.825, Sta.878
N, 94349.34, 15662.41, 22.74, Sta.877.2
N, 94419.95, 15592.57, 24.125, Sta.876.2
N, 94448.67, 15559.45, 24.7, Sta.875.8
Y, 94445.58, 15521.27, 24, Sta.875.4
Y, 94422.77, 15493.8, 22.497, Sta.875
Y, 94388.59, 15485.56, 21.058, Sta.874.6
Y, 94355.07, 15501.91, 19.813, Sta.874.2
N, 94341.19, 15532.53, 18.737, Sta.873.9
94341.97, 15562.39, 18.5, Sta.873.6
L I-5 Seg 22SB Offramp to Highway 76 WB, 18
N, 94154.95, 15944.37, 20.8, Sta.880.6
N, 94180.43, 15888.02, 20.882, Sta.880
N, 94228.92, 15802.15, 20.591, Sta.879
N, 94284.62, 15716.93, 19.591, Sta.878
N, 94312.33, 15658.74, 18.014, Sta.877.25
N, 94317.44, 15600.18, 17.8, Sta.876.65
94311.39, 15547.33, 18.22, Sta.876.2
L I-5 Seg 22SB On Loop from Harbour Dr., 19
N, 93948.51, 16303.59, 16.5, Sta.888.25
N, 93912.49, 16276.63, 16.57, Sta.887.8
N, 93874.5, 16278.74, 16.85, Sta.887.35

Y, 93843.91, 16305.35, 18.065, Sta.886.9
Y, 93839.07, 16346.11, 20, Sta.886.5
Y, 93858.03, 16372.08, 21.198, Sta.886.15
N, 93887.25, 16380.87, 22.14, Sta.885.85
N, 93917.63, 16372.71, 22.8, Sta.885.5
N, 93946.03, 16331.63, 22.67, Sta.885
N, 93993.57, 16243.56, 22.243, Sta.884
94040.65, 16157.02, 21.38, Sta.883
L I-5 Seg 22SB Off Ramp to Harbor Dr., 20
N, 93765.47, 16693.14, 22.3, Sta.889
N, 93806.09, 16598.96, 22.678, Sta.888
N, 93844.26, 16505.8, 22.8, Sta.887
N, 93849.03, 16460.51, 22.4, Sta.886.55
N, 93829.91, 16386.58, 20.75, Sta.885.75
N, 93819.88, 16329.74, 19.619, Sta.885.2
N, 93829.55, 16279.56, 18.5, Sta.884.7
93870.72, 16212.72, 16.8, Sta.883.85
Barrier 1 Edge of Bridge NB, 1, 2, 0, 0
94351.57, 15758.36, 19.31, 20.31, 878N
94287.37, 15833.03, 18.80, 19.80, 879N
94238.72, 15909.07, 19.30, 20.30, 879.9N
94196.58, 15992.38, 20.40, 21.40, 880.9N
94179.8, 16033.79, 20.40, 21.40, 881.3N
Barrier 2 Soundwall ROW NB, 2, 2, 0, 0
94191.4845, 16023.834, 19.5, 19.50, 881.1N
94179.8592, 16037.00, 20.88, 20.88, 881.3N
94152.61, 16099.67, 24.50, 24.50, 882N
94117.6, 16189.96, 24.00, 24.00, 882.9N
94117.6, 16189.96, 24.00, 24.00, 882.9N
94105.59, 16203.17, 24.09, 24.09, 883.1N
Barrier 3 Soundwall ROW NB, 3, 2, 0, 0
94105.59, 16203.17, 24.09, 24.09, 883.1N
94065.24, 16281.75, 24.20, 24.20, 884N
94059.99, 16323.03, 25.10, 25.10, 884.5N
94067.33, 16366.49, 25.20, 25.20, 885N
94079.92, 16413.87, 25.75, 25.75, 885.5N
Barrier 4 Terrain Line NB Near Vandergrift, 4, 2, 0, 0
94079.92, 16413.87, 25.75, 25.75, 885.5NT
94089.12, 16461.18, 26.16, 26.16, 886NT
94069.93, 16605.43, 27.36, 27.36, 887NT
Barrier 5 Terrain Line NB Near River, 5, 2, 0, 0
94190.07, 16019.85, 18.00, 18.00, 881.1NT
94232.57, 16045.20, 20.00, 20.00, 881.1NT
94327.32, 16110.41, 23.50, 23.50, 881.1NT
94390.71, 16199.63, 30.00, 30.00, 881.1NT
Barrier 6 Divider Jersey Barrier, 6, 2, 0, 0
94357.71, 15697.61, 20.87, 21.87, 877.4C
94318.44, 15739.2, 20.00, 21.00, 878C
94256.4, 15817.42, 19.59, 20.59, 879C
94203.13, 15902.12, 20.27, 21.27, 880C
94156.96, 15990.82, 20.91, 21.91, 881C
94146.23, 16011.69, 21.09, 22.09, 881.2C
94146.23, 16011.69, 21.09, 21.09, 881.2C
94111.18, 16079.73, 21.24, 21.24, 882C
94065.4, 16168.63, 21.90, 21.90, 883C
94019.63, 16257.54, 22.45, 22.45, 884C

Barrier 7 Divider Jersey Barrier, 7, 2, 0, 0
94019.63, 16257.54, 22.45, 22.45, 884C
93973.85, 16346.45, 22.00, 22.00, 885C
93928.07, 16435.36, 23.83, 23.83, 886C
93882.29, 16524.27, 23.79, 23.79, 887C
93836.52, 16613.18, 22.80, 22.80, 888C
93790.74, 16702.08, 21.22, 21.22, 889C
93752.38, 16794.69, 19.69, 19.69, 890C
93726.12, 16890.59, 19.44, 19.44, 891C
93702.86, 16987.98, 19.23, 19.23, 892C
93679.6, 17085.36, 20.15, 20.15, 893C
93656.34, 17182.74, 20.26, 20.26, 894C
Barrier 8 ROW SB, 8, 2, 0, 0
94310.04, 15579.46, 18.00, 18.00, 876.6S
94311, 15630.52, 16.20, 16.20, 877S
94297.1, 15684.26, 20.20, 20.20, 877.6S
94245.41, 15768.03, 20.45, 20.45, 878.6S
94217.33, 15810.92, 20.51, 21.51, 879.1S
94188.27, 15861.26, 20.78, 21.78, 879.6S
94140.4, 15959.69, 20.79, 21.79, 880.8S
94121.3, 15988.13, 20.96, 21.96, 881.25S
Barrier 9 Soundwall ROW SB, 9, 2, 0, 0
94121.3, 15988.13, 20.96, 20.96, 881.25S
94113.07, 16013.15, 20.91, 20.91, 881.5S
94080.26, 16059.21, 20.60, 20.60, 882S
94032.39, 16152.57, 21.60, 21.60, 883S
93986.83, 16239.84, 22.10, 22.10, 884S
93958.33, 16292.56, 22.68, 22.68, 884.6S
Barrier 10 ROW SB, 10, 2, 0, 0
93860.87, 16213.46, 17.78, 17.78, 884S
93821.63, 16284.64, 18.78, 18.78, 884.8S
93815.84, 16329.67, 20.20, 20.20, 885.2S
93824.99, 16386.15, 20.80, 20.80, 885.8S
93844.46, 16463.23, 22.00, 22.00, 886.6S
93825.29, 16539.49, 22.80, 22.80, 887.4S
93788.48, 16629.03, 23.20, 23.20, 888.4S
93752.18, 16713.38, 20.00, 20.00, 889.2S
93714.79, 16808.62, 18.70, 18.70, 890.2S
93687.93, 16917.04, 27.00, 27.00, 891.3S
Barrier 11 Terrain Line Wire Mountain Road SB, 11, 2, 0, 0
93674.17, 16928.19, 27.30, 27.30, 891.3ST
93584.78, 17004.81, 27.50, 27.50, 892.5ST
Barrier 12 Building SB, 12, 2, 0, 0
94229.08, 15690.99, 18.90, 23.90, 878.2SB
94201.88, 15723.06, 18.90, 23.90, 878.6SB
Barrier 13 Building Travel Lodge SB, 13, 2, 0, 0
94008.74, 16026.19, 20.75, 30.75, 882SB
94046.07, 16061.1, 20.75, 30.75, 882.2SB
94011.54, 16143.95, 20.75, 30.75, 883SB
Barrier 14 Existing Wall Near Train Tracks SB, 14, 2, 0, 0
93699.66, 16347.49, 14.00, 20.10, 886S
93671.44, 16482.26, 15.00, 21.10, 887.2S
93650.83, 16582.11, 15.50, 21.60, 888.5S
93625.41, 16718, 16.50, 22.60, 889.6S
93601.44, 16847.71, 17.00, 23.10, 890.9S
93593.31, 16889.92, 17.00, 23.10, 891.3S

Barrier 15 Wall in RV Park SB, 15, 2, 0, 0
93917.45, 16078.89, 17.00, 18.83, 883SB
93983.38, 16137.75, 20.90, 22.73, 883SB
Barrier 16 Building RV Park SB, 16, 2, 0, 0
93983.38, 16137.75, 20.90, 28.90, 883SB
94006.55, 16158.46, 21.50, 29.50, 883.2SB
94001.61, 16168.11, 21.30, 29.30, 883.6SB
Barrier 17 Jersey Barrier Shoulder, 17, 2, 0, 0
94121.83, 15998.25, 20.95, 21.95, 881.25SB
94083.84, 16068.00, 21.22, 22.22, 882SB
94037.15, 16153.75, 21.71, 22.71, 883SB
93989.81, 16241.87, 22.30, 23.30, 884SB
93950.35, 16315.32, 22.80, 23.80, 884.9SB
Barrier 18 Jersey Barrier Shoulder, 18, 2, 0, 0
93937.75, 16156.37, 19.00, 29.00, 883.6SB
93952.99, 16170.07, 19.00, 29.00, 883.6SB
Barrier 19 Jersey Barrier Shoulder, 19, 2, 0, 0
93966.80, 16180.62, 21.55, 31.55, 883.7SB
93990.98, 16189.94, 21.55, 31.55, 883.7SB
R 22.1, 1 ,55, 2
94224.21, 16048.37, 22.30 ,R22.1
R 22.2, 2 ,55, 1
94182.44, 16036.95, 22.5 ,ST22.1
R 22.3, 3 ,55, 1
94195.09, 16095.77, 25.20 ,R22.3
R 22.4, 4 ,55, 1
94179.68, 16086.1975, 25.07 ,R22.4
R22.4A, 5 ,55, 1
94154.50, 16102.35, 26.55 ,LT22.1
R 22.5, 6 ,55, 4
94150.51, 16167.79, 25.80 ,R22.5
R 22.6, 7 ,55, 4
94108.11, 16242.51, 25.81 ,R22.6
R 22.7, 8 ,55, 1
94069.31, 16298.07, 25.81 ,R22.7
R 22.8, 9 ,55, 1
94076.61, 16316.42, 26.07 ,R22.8
R 22.9, 10 ,55, 10
93603.8,16721.5,15.4,ST22.3
R 22.10, 11 ,55, 11
93983.75, 16121.84, 22.2 ,ST22.2
R 22.11, 12 ,55, 12
93978.33, 16064.13, 20.4 ,R22.11
R 22.12, 13 ,55, 13
94021.73, 16023.39, 25.07 ,R22.12
R 22.13, 14 ,55, 14
94207.75, 15704.25, 17.0 ,R22.13
R 22.8A, 15 ,55, 14
94108.06, 16341.99, 26.12 ,R22.8A
D, 4.5
ALL, ALL
K, 0.
All, All
K,-5
All, 3
K,-2

All, 11,12

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGMENT 22 NB & SB HIGHWAY 76 TO WIRE MOUNTAIN ROAD - NO BUILD

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	3.*							878N	323.0	
2	-	3.*							879N	296.2	
3	-	3.*							879.9N	306.3	
4	-	3.*							880.9N	146.6	
5	-	0.*							881.1N	57.8	
6	-	0.*							881.3N	224.5	
7	-	0.*							882N	317.8	
8	-	0.*							882.9N	.0	
9	-	0.*							882.9N	58.5	
10	-	0.*							883.1N	289.8	
11	-	0.*							884N	136.5	
12	-	0.*							884.5N	144.6	
13	-	0.*							885N	160.9	
14	-	0.*							885.5NT	158.1	
15	-	0.*							886NT	477.5	
16	-	0.*							881.1NT	162.5	
17	-	0.*							881.1NT	377.5	
18	-	0.*							881.1NT	359.7	
19	-	3.*							877.4C	187.7	
20	-	3.*							878C	327.5	
21	-	3.*							879C	328.3	
22	-	3.*							880C	328.1	
23	-	3.*							881C	77.0	
24	-	2.*							881.2C	3.3	
25	-	0.*							881.2C	251.1	
26	-	0.*							882C	328.1	
27	-	0.*							883C	328.1	
28	-	0.*							884C	328.1	
29	-	0.*							885C	328.2	
30	-	0.*							886C	328.1	
31	-	0.*							887C	328.1	
32	-	0.*							888C	328.1	
33	-	0.*							889C	328.9	
34	-	0.*							890C	326.2	
35	-	0.*							891C	328.5	
36	-	0.*							892C	328.5	
37	-	0.*							893C	328.5	

38 - 0.* 876.6S 167.6
39 - 0.* 877S 182.6
40 - 0.* 877.6S 323.0
41 - 2.* 878.6S 168.2
42 - 3.* 879.1S 190.8
43 - 3.* 879.6S 359.0
44 - 3.* 880.8S 112.4

45 - 0.* 881.25S 86.4
46 - 0.* 881.5S 185.5
47 - 0.* 882S 344.3
48 - 0.* 883S 323.0
49 - 0.* 884S 196.7

50 - 0.* 884S 266.7
51 - 0.* 884.8S 149.0
52 - 0.* 885.2S 187.7
53 - 0.* 885.8S 260.9
54 - 0.* 886.6S 258.0
55 - 0.* 887.4S 317.7
56 - 0.* 888.4S 301.4
57 - 0.* 889.2S 335.8
58 - 0.* 890.2S 367.5

59 - 0.* 891.3ST 386.3

60 - 16.* 878.2SB 137.9

61 - 33.* 882SB 167.7
62 - 33.* 882.2SB 294.5

63 - 20.* 886S 451.8
64 - 20.* 887.2S 334.4
65 - 20.* 888.5S 453.6
66 - 20.* 889.6S 432.7
67 - 20.* 890.9S 141.0

68 - 6.* 883SB 290.2

69 - 26.* 883SB 101.9
70 - 26.* 883.2SB 35.6

71 - 3.* 881.25S 260.6
72 - 3.* 882SB 320.4
73 - 3.* 883SB 328.2
74 - 3.* 884SB 273.5

75 - 33.* 883.6SB 67.2

76 - 33.* 883.7SB 85.1
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0 1 2 3 4 5 6 7
1
REC REC ID DNL PEOPLE LEQ(CAL)

```
 1  R22.1     67.    500.   73.1
 2  ST22.1    67.    500.   80.8
 3  R22.3     67.    500.   68.7
 4  R22.4     67.    500.   76.2
 5  LT22.1    67.    500.   79.8
 6  R22.5     67.    500.   74.6
 7  R22.6     67.    500.   75.2
 8  R22.7     67.    500.   76.2
 9  R22.8     67.    500.   74.7
10  ST22.3    67.    500.   58.0
11  ST22.2    67.    500.   63.7
12  R22.11    67.    500.   60.0
13  R22.12    67.    500.   70.3
14  R22.13    67.    500.   58.6
15  R22.8A    67.    500.   71.6
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 2. 0.
 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 2. 3. 3. 3. 0. 0. 0. 0. 0. 0.
 0. 0. 0. 0. 0. 0. 0. 0. 0.16.33.33.20.20.20.20.20. 6.26.26. 3. 3. 3. 3.33.
33.
```

Roadway Segment 22 NB & SB Highway 76 to Wire Mountain Road - Future No Barrier
T RW Seg 22NB Truck,1
4642,65,230,65,528,65
T RW Seg 22NB Truck,2
4642,65,230,65,528,65
T RW Seg 22NB Car,3
3446,65,154,65,0,0
T RW Seg 22NB Car,4
3446,65,154,65,0,0
T RW Seg 22NB HOV,5
3000,65,0,0,0,0
T RW Seg 22NB HOV,6
3000,65,0,0,0,0
T RW Seg 22NB On Loop From Highway 76,7
945,25,27,25,28,25
T RW Seg 22NB Conector Off ramp to Vandergriff,8
1868,45,64,45,68,45
T RW Seg 22NB Off Loop to Harbor Drive,9
934,25,32,25,34,25
T RW Seg 22NB On from Vandergriff,10
934,45,32,45,34,45
T RW Seg 22SB Truck,11
2988,65,163,65,449,65
T RW Seg 22SB Truck,12
2988,65,163,65,449,65
T RW Seg 22SB Car,13
3437,65,163,65,0,0
T RW Seg 22SB Car,14
3437,65,163,65,0,0
T RW Seg 22SB HOV,15
3000,65,0,0,0,0
T RW Seg 22SB HOV,16
3000,65,0,0,0,0
T RW Seg 22SB Off Loop to Highway 76 EB,17
945,25,27,25,28,25
T RW Seg 22SB Off Ramp to Highway 76 WB,18
945,45,27,45,28,45
T RW Seg 22SB On Loop from Harbour,19
934,25,32,25,34,25
T RW Seg 22SB Off Ramp to Harbor,20
934,45,32,45,34,45
L I-5 Seg 22NB Truck,1
N,94335.85,15755.28,19.50, Sta.878
N,94273.6,15832.15,19.00, Sta.879
N,94224.03,15913.07,20.00, Sta.880
N,94177.09,16000.33,20.60, Sta.881
N,94132.82,16089.77,21.14, Sta.882
N,94084.96,16177.6,21.75, Sta.883
N,94040.61,16267.95,22.40, Sta.884
L I-5 Seg 22NB Trucks cont,2
N,94040.61,16267.95,22.40, Sta.884
N,93994.92,16357.66,23.00, Sta.885
N,93950.34,16446.39,23.59, Sta.886
N,93902.2,16534.83,23.64, Sta.887
N,93855.85,16623.1,22.75, Sta.888
N,93810.26,16708.63,21.20, Sta.889

N,93772.2,16800.8,19.25, Sta.890
N,93744.79,16897.06,19.60, Sta.891
N,93722.81,16992.92,20.00, Sta.892
N,93698.54,17090.35,20.30, Sta.893
N,93674.42,17186.5,20.75, Sta.894
L I-5 Seg 22NB Cars,3
N,94330.77,15749.3,19.70, Sta.878
N,94268.25,15827.45,19.35, Sta.879
N,94217.83,15910.23,20.25, Sta.880
N,94172.15,15997.15,20.84, Sta.881
N,94126.9,16086.84,21.36, Sta.882
N,94080.32,16175.9,22.00, Sta.883
N,94035.03,16265.23,22.50, Sta.884
L I-5 Seg 22NB Cars cont,4
N,94035.03,16265.23,22.50, Sta.884
N,93989.87,16355.22,23.09, Sta.885
N,93942.14,16442.63,23.72, Sta.886
N,93896.24,16531.31,23.70, Sta.887
N,93850.19,16620.2,23.00, Sta.888
N,93802.86,16706.82,21.20, Sta.889
N,93765.06,16799.5,19.73, Sta.890
N,93738.33,16894.62,19.70, Sta.891
N,93714.1,16990.75,20.10, Sta.892
N,93691.02,17087.95,20.50, Sta.893
N,93667.28,17185.28,20.85, Sta.894
L I-5 Seg 22NB HOV,5
N,94324.84,15743.08,20.60, Sta.878
N,94261.22,15822.5,19.50, Sta.879
N,94210.11,15905.63,20.20, Sta.880
N,94165.06,15994.51,20.90, Sta.881
N,94119.06,16082.47,21.23, Sta.882
N,94074.53,16171.83,22.00, Sta.883
N,94027.97,16262.15,22.50, Sta.884
L I-5 Seg 22NB HOV cont,6
N,94027.97,16262.15,22.50, Sta.884
N,93982.22,16350.73,23.20, Sta.885
N,93936.57,16439.02,23.80, Sta.886
N,93889.67,16528.34,23.79, Sta.887
N,93842.95,16616.59,23.00, Sta.888
N,93796.74,16704.52,21.40, Sta.889
N,93758.63,16797.1,19.75, Sta.890
N,93732.8,16893.22,19.74, Sta.891
N,93708.57,16989.34,20.00, Sta.892
N,93686.69,17086.75,20.50, Sta.893
N,93662.89,17183.65,20.92, Sta.894
L 22NB On Ramp Loop From Highway 76
N,94409.69,15805.94,10.20,874+60
N,94447.31,15793.21,11.80,875+00
N,94490.49,15761.35,16.20,875+60
N,94492.73,15725.04,19.10,876+00
N,94471.06,15697.06,20.80,876+40
N,94435.94,15689.67,21.10,876+80
N,94373.98,15732.11,19.80,877+60
N,94306.15,15805.24,18.60,878+60
N,94262.48,15867.10,18.80,879+38
L I-5 Seg 22NB 22NB Off ramp to Vandergriff,8

N,94232.55,15915.92,19.30,880+00
N,94186.4527,16005.6235,20.50,881+00
N,94143.1131,16095.109,20.90,882+00
N,94097.4487,16184.7719,21.50,883+00
N,94060.7808,16277.5094,21.50,884+00
N,94048.7137,16355.7974,19.70,884+80
N,94056.7449,16433.5838,19.90,885+60
N,94069.2275,16516.822,25.10,886+40
N,94050.2179,16597.3621,26.70,887+20
L I-5 Seg 22NB 22NB Off Loop to Harbor Drive,9
,94027.58,16306.96,22.35,884+40
,94005.24,16362.31,22.80,885+00
,93967.19,16454.79,23.10,886+00
,93944.48,16529.79,23.60,886+80
,93956.54,16565.40,24.00,887+20
,93985.19,16588.60,24.80,887+60
,94015.10,16601.43,25.90,887+92
L I-5 Seg 22NB 22NB On Loop from Vandergriff,10,
Y,93996.59,16657.35,25.70, Sta.886
N,93997.78,16630.57,24.30, Sta.886.2
N,93974.76,16601.11,23.70, Sta.886.6
N,93921.73,16579.91,24.00, Sta.887.2
N,93886.95,16597.58,23.00, Sta.887.6
Y,93847.26,16659.72,22.00, Sta.888.6
N,93818.62,16712.26,19.00, Sta.889
N,93778.81,16801.96,19.15, Sta.890
L I-5 Seg 22SB Truck,11
N,93998.19,16247.15,23.20, Sta.884
N,94044.12,16158.8,21.77, Sta.883
N,94091.69,16069.17,20.20, Sta.882
N,94137.32,15981.43,20.96, Sta.881
N,94182.98,15891.15,20.67, Sta.880
N,94238.33,15807.81,20.00, Sta.879
N,94303.2,15724.7,20.50, Sta.878
L I-5 Seg 22SB Truck,12
N,93633.51,17172.82,20.80
N,93656.45,17079.8,20.37, Sta.893
N,93678.99,16983.22,19.90, Sta.892
N,93703.5,16885.97,19.80, Sta.891
N,93729.63,16787.19,20.50, Sta.890
N,93768.21,16694.34,22.00, Sta.889
N,93815.46,16602.21,22.85, Sta.888
N,93861.53,16513.21,23.50, Sta.887
N,93907.29,16425.45,23.50, Sta.886
N,93953.24,16335.85,22.80, Sta.885
N,93998.19,16247.15,23.20, Sta.884
L I-5 Seg 22SB Cars,13
N,94004.5,16250.29,22.50, Sta.884
N,94050.57,16161.25,22.00, Sta.883
N,94097.04,16071.77,21.30, Sta.882
N,94143.34,15984.97,20.80, Sta.881
N,94190.2,15894.04,20.50, Sta.880
N,94242.71,15809.68,19.73, Sta.879
N,94308.18,15730.07,20.25, Sta.878
L I-5 Seg 22SB Cars,14
N,93641.11,17175.1,20.80, Sta.894

N,93662.9,17080.5,20.40, Sta.893
N,93685.86,16984.94,20.10, Sta.892
N,93709.66,16887.21,19.80, Sta.891
N,93736.63,16790.1,20.00, Sta.890
N,93775.23,16697.13,21.50, Sta.889
N,93822.08,16605.86,23.50, Sta.888
N,93868.42,16516.93,23.77, Sta.887
N,93914.24,16427.42,23.71, Sta.886
N,93959.62,16338.73,23.00, Sta.885
N,94004.5,16250.29,22.50, Sta.884
L I-5 Seg 22SB HOV,15
N,94012.72,16253.69,22.50, Sta.884
N,94056.28,16163.82,22.14, Sta.883
N,94104.19,16075.7,21.24, Sta.882
N,94151.05,15988.77,20.80, Sta.881
N,94196.58,15898.19,20.20, Sta.880
N,94249.22,15814.07,19.59, Sta.879
N,94313.34,15733.96,20.00, Sta.878
L I-5 Seg 22SB HOV,16
N,93648.03,17178.78,20.89, Sta.894
N,93671.08,17083.03,20.50, Sta.893
N,93693.78,16986.06,20.00, Sta.892
N,93717.29,16888.29,19.66, Sta.891
N,93744.34,16791.83,19.69, Sta.890
N,93782.86,16699.63,21.40, Sta.889
N,93828.87,16609.05,23.00, Sta.888
N,93874.29,16520.39,23.82, Sta.887
N,93920.56,16431.55,23.75, Sta.886
N,93966.63,16343.31,23.04, Sta.885
N,94012.72,16253.69,22.50, Sta.884
L I-5 Seg 22SB Off Loop to Highway 76 EB,17
N,94238.33,15807.81,20.57, Sta.879
N,94298.11,15721.85,20.83, Sta.878
N,94349.34,15662.41,22.74, Sta.877.2
N,94419.95,15592.57,24.13, Sta.876.2
N,94448.67,15559.45,24.70, Sta.875.8
Y,94445.58,15521.27,24.00, Sta.875.4
Y,94422.77,15493.8,22.50, Sta.875
Y,94388.59,15485.56,21.06, Sta.874.6
Y,94355.07,15501.91,19.81, Sta.874.2
N,94341.19,15532.53,18.74, Sta.873.9
N,94341.97,15562.39,18.50, Sta.873.6
L I-5 Seg 22SB Offramp to Highway 76 WB,18
N,94154.95,15944.37,20.80, Sta.880.6
N,94180.43,15888.02,20.88, Sta.880
N,94228.92,15802.15,20.59, Sta.879
N,94284.62,15716.93,19.59, Sta.878
N,94312.33,15658.74,18.01, Sta.877.25
N,94317.44,15600.18,17.80, Sta.876.65
N,94311.39,15547.33,18.22, Sta.876.2
L I-5 Seg 22SB On Loop from Harbor Dr.,19
N,93882.50,16229.18,17.00,888+25
N,93845.80,16280.47,17.10,888+40
N,93836.82,16356.23,19.30,887+20
N,93852.88,16388.35,21.30,887+60
N,93885.78,16399.02,22.50,886+00

N,93917.09,16383.09,23.00,885+60
N,93949.70,16333.47,22.90,885+00
N,93998.51,16246.37,22.30,884+00
N,94044.71,16157.90,21.77,883+00
L I-5 Seg 22SB Off Ramp to Harbor Dr.,20
N,93771.09,16692.67,21.50,889+00
N,93810.40,16600.09,22.80,888+00
N,93840.90,16526.26,23.10,887+20
N,93849.13,16487.77,23.00,886+80
N,93842.18,16428.88,22.00,886+20
N,93822.93,16350.32,19.70,885+40
N,93824.49,16309.45,16.80,885+00
N,93845.41,16252.20,17.60,884+40
N,93872.43,16220.76,16.90,884+00
Barrier 1 Edge of Bridge NB,1,2,0,0
94351.57,15758.36,19.31,20.31, 878N
94287.37,15833.03,18.8,19.8, 879N
94238.72,15909.07,19.3,20.3, 879.9N
94196.58,15992.38,20.4,21.4, 880.9N
94179.8,16033.79,20.4,21.4, 881.3N
Barrier 2 Soundwall S882 ROW NB,2,2,0,0
94191.4845,16023.834,19.5,19.5, 881.1N
94179.8151,16037.0512,20.8,20.8,881+30
94154.6677,16099.4461,24.5,24.5,882+00
94118.2429,16189.1509,24,24,882+95
94105.7517,16203.4319,23.8,23.8,883+15
Barrier 3 Soundwall S884 ROW NB,3,2,0,0
94105.7517,16203.4319,23.8,23.8,883+15
94071.834,16269.012,24,24,883+88
94064.3366,16290.511,24.2,24.2,884+12
94059.99,16323.03,25.1,25.1, 884.5N
94067.33,16366.49,25.2,25.2, 885N
94079.92,16413.87,25.75,25.75, 885.5N
Barrier 4 Terrain Line NB Near Vandergrift,4,2,0,0
94079.92,16413.87,25.75,25.75, 885.5NT
94089.12,16461.18,26.16,26.16, 886NT
94069.93,16605.43,27.36,27.36, 887NT
Barrier 5 Terrain Line NB Near River,5,2,0,0
94190.07,16019.85,18,18, 881.1NT
94232.57,16045.2,20,20, 881.1NT
94327.32,16110.41,23.5,23.5, 881.1NT
94390.71,16199.63,30,30, 881.1NT
Barrier 6 Divider Jersey Barrier,6,2,0,0
94357.71,15697.61,20.87,21.87, 877.4C
94318.44,15739.2,20,21, 878C
94256.4,15817.42,19.59,20.59, 879C
94203.13,15902.12,20.27,21.27, 880C
94156.96,15990.82,20.91,21.91, 881C
94146.23,16011.69,21.09,22.09, 881.2C
94146.23,16011.69,21.09,21.09, 881.2C
94111.18,16079.73,21.24,21.24, 882C
94065.4,16168.63,21.9,21.9, 883C
94019.63,16257.54,22.45,22.45, 884C
Barrier 7 Divider Jersey Barrier,7,2,0,0
94019.63,16257.54,22.45,22.45, 884C
93973.85,16346.45,22,22, 885C

93928.07,16435.36,23.83,23.83, 886C
93882.29,16524.27,23.79,23.79, 887C
93836.52,16613.18,22.8,22.8, 888C
93790.74,16702.08,21.22,21.22, 889C
93752.38,16794.69,19.69,19.69, 890C
93726.12,16890.59,19.44,19.44, 891C
93702.86,16987.98,19.23,19.23, 892C
93679.6,17085.36,20.15,20.15, 893C
93656.34,17182.74,20.26,20.26, 894C
Barrier 8 ROW SB,8,2,0,0
94310.04,15579.46,18,18, 876.6S
94311,15630.52,16.2,16.2, 877S
94297.1,15684.26,20.2,20.2, 877.6S
94245.41,15768.03,20.45,20.45, 878.6S
94217.33,15810.92,20.51,21.51, 879.1S
94188.27,15861.26,20.78,21.78, 879.6S
94140.4,15959.69,20.79,21.79, 880.8S
94121.3,15988.13,20.96,21.96, 881.25S
Barrier 9 Soundwall ROW SB,9,2,0,0
94121.3,15988.13,20.96,20.96, 881.25S
94113.07,16013.15,20.91,20.91, 881.5S
94080.26,16059.21,20.6,20.6, 882S
94032.39,16152.57,21.6,21.6, 883S
93986.83,16239.84,22.1,22.1, 884S
93958.33,16292.56,22.68,22.68, 884.6S
Barrier 10 ROW SB,10,2,0,0
93860.87,16213.46,17.78,17.78, 884S
93821.63,16284.64,18.78,18.78, 884.8S
93815.84,16329.67,20.2,20.2, 885.2S
93824.99,16386.15,20.8,20.8, 885.8S
93844.46,16463.23,22,22, 886.6S
93825.29,16539.49,22.8,22.8, 887.4S
93788.48,16629.03,23.2,23.2, 888.4S
93752.18,16713.38,20,20, 889.2S
93714.79,16808.62,18.7,18.7, 890.2S
93687.93,16917.04,27,27, 891.3S
Barrier 11 Terrain Line Wire Mountain Road SB,11,2,0,0
93674.17,16928.19,27.3,27.3, 891.3ST
93584.78,17004.81,27.5,27.5, 892.5ST
Barrier 12 Building SB,12,2,0,0
94229.08,15690.99,18.9,23.9, 878.2SB
94201.88,15723.06,18.9,23.9, 878.6SB
Barrier 13 Building Travel Lodge SB,13,2,0,0
94008.74,16026.19,20.75,30.75, 882SB
94046.07,16061.1,20.75,30.75, 882.2SB
94011.54,16143.95,20.75,30.75, 883SB
Barrier 14 Existing Wall Near Train Tracks SB,14,2,0,0
93699.66,16347.49,14,20.1, 886S
93671.44,16482.26,15,21.1, 887.2S
93650.83,16582.11,15.5,21.6, 888.5S
93625.41,16718,16.5,22.6, 889.6S
93601.44,16847.71,17,23.1, 890.9S
93593.31,16889.92,17,23.1, 891.3S
Barrier 15 Wall in RV Park SB,15,2,0,0
93917.45,16078.89,17,18.83, 883SB
93983.38,16137.75,20.9,22.73, 883SB

Barrier 16 Building RV Park SB,16,2,0,0
93983.38,16137.75,20.9,28.9, 883SB
94006.55,16158.46,21.5,29.5, 883.2SB
94001.61,16168.11,21.3,29.3, 883.6SB
Barrier 17 Jersey Barrier Shoulder,17,2,0,0
94121.83,15998.25,20.95,21.95, 881.25SB
94083.84,16068,21.22,22.22, 882SB
94037.15,16153.75,21.71,22.71, 883SB
93989.81,16241.87,22.3,23.3, 884SB
93950.35,16315.32,22.8,23.8, 884.9SB
Barrier 18 Jersey Barrier Shoulder,18,2,0,0
93937.75,16156.37,19,29, 883.6SB
93952.99,16170.07,19,29, 883.6SB
Barrier 19 Jersey Barrier Shoulder,19,2,0,0
93966.8,16180.62,21.55,31.55, 883.7SB
93990.98,16189.94,21.55,31.55, 883.7SB
R 22.1,1,55,2
94224.21,16048.37,22.3,R22.1
R 22.2,2,55,1
94182.44,16036.95,22.5,ST22.1
R 22.3,3,55,1
94195.09,16095.77,25.2,R22.3
R 22.4,4,55,1
94179.68,16086.1975,25.07,R22.4
R22.4A,5,55,1
94154.5,16102.35,26.55,LT22.1
R 22.5,6,55,4
94150.51,16167.79,25.8,R22.5
R 22.6,7,55,4
94108.11,16242.51,25.81,R22.6
R 22.7,8,55,1
94069.31,16298.07,25.81,R22.7
R 22.8,9,55,1
94076.61,16316.42,26.07,R22.8
R 22.9,10,55,10
93603.8,16721.5,15.4,ST22.3
R 22.10,11,55,11
93983.75,16121.84,22.2,ST22.2
R 22.11,12,55,12
93978.33,16064.13,20.4,R22.11
R 22.12,13,55,13
94021.73,16023.39,25.07,R22.12
R 22.13,14,55,14
94207.75,15704.25,17,R22.13
R 22.8A,15,55,14
94108.06,16341.99,26.12,R22.8A
D,4.5
ALL, ALL
K,0,
All, All
K,-5
All,3
K,-2
All,11,12

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGMENT 22 NB & SB HIGHWAY 76 TO WIRE MOUNTAIN ROAD -NO BARRIER

1

BARRIER DATA
****

BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	3.*							878N	323.0	
2	-	3.*							879N	296.2	
3	-	3.*							879.9N	306.3	
4	-	3.*							880.9N	146.6	
5	-	0.*							881.1N	58.0	
6	-	0.*							881+30	221.0	
7	-	0.*							882+00	317.6	
8	-	0.*							882+95	62.3	
9	-	0.*							883+15	242.2	
10	-	0.*							883+88	74.8	
11	-	0.*							884+12	107.6	
12	-	0.*							884.5N	144.6	
13	-	0.*							885N	160.9	
14	-	0.*							885.5NT	158.1	
15	-	0.*							886NT	477.5	
16	-	0.*							881.1NT	162.5	
17	-	0.*							881.1NT	377.5	
18	-	0.*							881.1NT	359.7	
19	-	3.*							877.4C	187.7	
20	-	3.*							878C	327.5	
21	-	3.*							879C	328.3	
22	-	3.*							880C	328.1	
23	-	3.*							881C	77.0	
24	-	2.*							881.2C	3.3	
25	-	0.*							881.2C	251.1	
26	-	0.*							882C	328.1	
27	-	0.*							883C	328.1	
28	-	0.*							884C	328.1	
29	-	0.*							885C	328.2	
30	-	0.*							886C	328.1	
31	-	0.*							887C	328.1	
32	-	0.*							888C	328.1	
33	-	0.*							889C	328.9	
34	-	0.*							890C	326.2	
35	-	0.*							891C	328.5	
36	-	0.*							892C	328.5	
37	-	0.*							893C	328.5	

38 - 0.* 876.6S 167.6
39 - 0.* 877S 182.6
40 - 0.* 877.6S 323.0
41 - 2.* 878.6S 168.2
42 - 3.* 879.1S 190.8
43 - 3.* 879.6S 359.0
44 - 3.* 880.8S 112.4

45 - 0.* 881.25S 86.4
46 - 0.* 881.5S 185.5
47 - 0.* 882S 344.3
48 - 0.* 883S 323.0
49 - 0.* 884S 196.7

50 - 0.* 884S 266.7
51 - 0.* 884.8S 149.0
52 - 0.* 885.2S 187.7
53 - 0.* 885.8S 260.9
54 - 0.* 886.6S 258.0
55 - 0.* 887.4S 317.7
56 - 0.* 888.4S 301.4
57 - 0.* 889.2S 335.8
58 - 0.* 890.2S 367.5

59 - 0.* 891.3ST 386.3

60 - 16.* 878.2SB 137.9

61 - 33.* 882SB 167.7
62 - 33.* 882.2SB 294.5

63 - 20.* 886S 451.8
64 - 20.* 887.2S 334.4
65 - 20.* 888.5S 453.6
66 - 20.* 889.6S 432.7
67 - 20.* 890.9S 141.0

68 - 6.* 883SB 290.2

69 - 26.* 883SB 101.9
70 - 26.* 883.2SB 35.6

71 - 3.* 881.25S 260.6
72 - 3.* 882SB 320.4
73 - 3.* 883SB 328.2
74 - 3.* 884SB 273.5

75 - 33.* 883.6SB 67.2

76 - 33.* 883.7SB 85.1
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0 1 2 3 4 5 6 7
1
REC REC ID DNL PEOPLE LEQ(CAL)

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 1  R22.1     67.    500.   74.1
 2  ST22.1    67.    500.   81.8
 3  R22.3     67.    500.   69.8
 4  R22.4     67.    500.   77.5
 5  LT22.1    67.    500.   80.8
 6  R22.5     67.    500.   75.6
 7  R22.6     67.    500.   76.2
 8  R22.7     67.    500.   78.2
 9  R22.8     67.    500.   75.8
10  ST22.3    67.    500.   58.9
11  ST22.2    67.    500.   64.5
12  R22.11    67.    500.   60.9
13  R22.12    67.    500.   71.3
14  R22.13    67.    500.   59.6
15  R22.8A    67.    500.   72.6
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 3. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 2. 0.
 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 2. 3. 3. 3. 0. 0. 0. 0. 0. 0.
 0. 0. 0. 0. 0. 0. 0. 0. 0.16.33.33.20.20.20.20.20. 6.26.26. 3. 3. 3. 3.33.
33.
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Roadway Segment 22 NB & SB Highway 76 to Wire Mountain Road - Design
T RW Seg 22NB Truck,1
4642,65,230,65,528,65
T RW Seg 22NB Truck,2
4642,65,230,65,528,65
T RW Seg 22NB Car,3
3446,65,154,65,0,0
T RW Seg 22NB Car,4
3446,65,154,65,0,0
T RW Seg 22NB HOV,5
3000,65,0,0,0,0
T RW Seg 22NB HOV,6
3000,65,0,0,0,0
T RW Seg 22NB On Loop From Highway 76,7
945,25,27,25,28,25
T RW Seg 22NB Conector Off ramp to Vandergriff,8
1868,45,64,45,68,45
T RW Seg 22NB Off Loop to Harbor Drive,9
934,25,32,25,34,25
T RW Seg 22NB On from Vandergriff,10
934,45,32,45,34,45
T RW Seg 22SB Truck,11
2988,65,163,65,449,65
T RW Seg 22SB Truck,12
2988,65,163,65,449,65
T RW Seg 22SB Car,13
3437,65,163,65,0,0
T RW Seg 22SB Car,14
3437,65,163,65,0,0
T RW Seg 22SB HOV,15
3000,65,0,0,0,0
T RW Seg 22SB HOV,16
3000,65,0,0,0,0
T RW Seg 22SB Off Loop to Highway 76 EB,17
945,25,27,25,28,25
T RW Seg 22SB Off Ramp to Highway 76 WB,18
945,45,27,45,28,45
T RW Seg 22SB On Loop from Harbour,19
934,25,32,25,34,25
T RW Seg 22SB Off Ramp to Harbor,20
934,45,32,45,34,45
L I-5 Seg 22NB Truck,1
N,94335.85,15755.28,19.5, Sta.878
N,94273.6,15832.15,19, Sta.879
N,94224.03,15913.07,20, Sta.880
N,94177.09,16000.33,20.6, Sta.881
N,94132.82,16089.77,21.14, Sta.882
N,94084.96,16177.6,21.75, Sta.883
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L I-5 Seg 22NB Trucks cont,2
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N,93698.54,17090.35,20.3, Sta.893
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L I-5 Seg 22NB Cars,3
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L I-5 Seg 22NB Cars cont,4
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L I-5 Seg 22NB HOV,5
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N,94027.97,16262.15,22.5, Sta.884
L I-5 Seg 22NB HOV cont,6
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N,93982.22,16350.73,23.2, Sta.885
N,93936.57,16439.02,23.8, Sta.886
N,93889.67,16528.34,23.79, Sta.887
N,93842.95,16616.59,23, Sta.888
N,93796.74,16704.52,21.4, Sta.889
N,93758.63,16797.1,19.75, Sta.890
N,93732.8,16893.22,19.74, Sta.891
N,93708.57,16989.34,20, Sta.892
N,93686.69,17086.75,20.5, Sta.893
N,93662.89,17183.65,20.92, Sta.894
L 22NB On Ramp Loop From Highway 76
N,94409.69,15805.94,10.2,874+60
N,94447.31,15793.21,11.8,875+00
N,94490.49,15761.35,16.2,875+60
N,94492.73,15725.04,19.1,876+00
N,94471.06,15697.06,20.8,876+40
N,94435.94,15689.67,21.1,876+80
N,94373.98,15732.11,19.8,877+60
N,94306.15,15805.24,18.6,878+60
N,94262.48,15867.1,18.8,879+38
L I-5 Seg 22NB 22NB Off ramp to Vandergriff,8

N,94232.55,15915.92,19.3,880+00
N,94186.4527,16005.6235,20.5,881+00
N,94143.1131,16095.109,20.9,882+00
N,94097.4487,16184.7719,21.5,883+00
N,94060.7808,16277.5094,21.5,884+00
N,94048.7137,16355.7974,19.7,884+80
N,94056.7449,16433.5838,19.9,885+60
N,94069.2275,16516.822,25.1,886+40
N,94050.2179,16597.3621,26.7,887+20
L I-5 Seg 22NB 22NB Off Loop to Harbor Drive,9
,94027.58,16306.96,22.35,884+40
,94005.24,16362.31,22.8,885+00
,93967.19,16454.79,23.1,886+00
,93944.48,16529.79,23.6,886+80
,93956.54,16565.4,24,887+20
,93985.19,16588.6,24.8,887+60
,94015.1,16601.43,25.9,887+92
L I-5 Seg 22NB 22NB On Loop from Vandergriff,10
Y,93996.59,16657.35,25.7, Sta.886
N,93997.78,16630.57,24.3, Sta.886.2
N,93974.76,16601.11,23.7, Sta.886.6
N,93921.73,16579.91,24, Sta.887.2
N,93886.95,16597.58,23, Sta.887.6
Y,93847.26,16659.72,22, Sta.888.6
N,93818.62,16712.26,19, Sta.889
N,93778.81,16801.96,19.15, Sta.890
L I-5 Seg 22SB Truck,11
N,93998.19,16247.15,23.2, Sta.884
N,94044.12,16158.8,21.77, Sta.883
N,94091.69,16069.17,20.2, Sta.882
N,94137.32,15981.43,20.96, Sta.881
N,94182.98,15891.15,20.67, Sta.880
N,94238.33,15807.81,20, Sta.879
N,94303.2,15724.7,20.5, Sta.878
L I-5 Seg 22SB Truck,12
N,93633.51,17172.82,20.8
N,93656.45,17079.8,20.37, Sta.893
N,93678.99,16983.22,19.9, Sta.892
N,93703.5,16885.97,19.8, Sta.891
N,93729.63,16787.19,20.5, Sta.890
N,93768.21,16694.34,22, Sta.889
N,93815.46,16602.21,22.85, Sta.888
N,93861.53,16513.21,23.5, Sta.887
N,93907.29,16425.45,23.5, Sta.886
N,93953.24,16335.85,22.8, Sta.885
N,93998.19,16247.15,23.2, Sta.884
L I-5 Seg 22SB Cars,13
N,94004.5,16250.29,22.5, Sta.884
N,94050.57,16161.25,22, Sta.883
N,94097.04,16071.77,21.3, Sta.882
N,94143.34,15984.97,20.8, Sta.881
N,94190.2,15894.04,20.5, Sta.880
N,94242.71,15809.68,19.73, Sta.879
N,94308.18,15730.07,20.25, Sta.878
L I-5 Seg 22SB Cars,14
N,93641.11,17175.1,20.8, Sta.894

N,93662.9,17080.5,20.4, Sta.893
N,93685.86,16984.94,20.1, Sta.892
N,93709.66,16887.21,19.8, Sta.891
N,93736.63,16790.1,20, Sta.890
N,93775.23,16697.13,21.5, Sta.889
N,93822.08,16605.86,23.5, Sta.888
N,93868.42,16516.93,23.77, Sta.887
N,93914.24,16427.42,23.71, Sta.886
N,93959.62,16338.73,23, Sta.885
N,94004.5,16250.29,22.5, Sta.884
L I-5 Seg 22SB HOV,15
N,94012.72,16253.69,22.5, Sta.884
N,94056.28,16163.82,22.14, Sta.883
N,94104.19,16075.7,21.24, Sta.882
N,94151.05,15988.77,20.8, Sta.881
N,94196.58,15898.19,20.2, Sta.880
N,94249.22,15814.07,19.59, Sta.879
N,94313.34,15733.96,20, Sta.878
L I-5 Seg 22SB HOV,16
N,93648.03,17178.78,20.89, Sta.894
N,93671.08,17083.03,20.5, Sta.893
N,93693.78,16986.06,20, Sta.892
N,93717.29,16888.29,19.66, Sta.891
N,93744.34,16791.83,19.69, Sta.890
N,93782.86,16699.63,21.4, Sta.889
N,93828.87,16609.05,23, Sta.888
N,93874.29,16520.39,23.82, Sta.887
N,93920.56,16431.55,23.75, Sta.886
N,93966.63,16343.31,23.04, Sta.885
N,94012.72,16253.69,22.5, Sta.884
L I-5 Seg 22SB Off Loop to Highway 76 EB,17
N,94238.33,15807.81,20.57, Sta.879
N,94298.11,15721.85,20.83, Sta.878
N,94349.34,15662.41,22.74, Sta.877.2
N,94419.95,15592.57,24.13, Sta.876.2
N,94448.67,15559.45,24.7, Sta.875.8
Y,94445.58,15521.27,24, Sta.875.4
Y,94422.77,15493.8,22.5, Sta.875
Y,94388.59,15485.56,21.06, Sta.874.6
Y,94355.07,15501.91,19.81, Sta.874.2
N,94341.19,15532.53,18.74, Sta.873.9
N,94341.97,15562.39,18.5, Sta.873.6
L I-5 Seg 22SB Offramp to Highway 76 WB,18
N,94154.95,15944.37,20.8, Sta.880.6
N,94180.43,15888.02,20.88, Sta.880
N,94228.92,15802.15,20.59, Sta.879
N,94284.62,15716.93,19.59, Sta.878
N,94312.33,15658.74,18.01, Sta.877.25
N,94317.44,15600.18,17.8, Sta.876.65
N,94311.39,15547.33,18.22, Sta.876.2
L I-5 Seg 22SB On Loop from Harbor Dr,19
N,93882.5,16229.18,17,888+25
N,93845.8,16280.47,17.1,888+40
N,93836.82,16356.23,19.3,887+20
N,93852.88,16388.35,21.3,887+60
N,93885.78,16399.02,22.5,886+00

N,93917.09,16383.09,23,885+60
N,93949.7,16333.47,22.9,885+00
N,93998.51,16246.37,22.3,884+00
N,94044.71,16157.9,21.77,883+00
L I-5 Seg 22SB Off Ramp to Harbor Dr,20
N,93771.09,16692.67,21.5,889+00
N,93810.4,16600.09,22.8,888+00
N,93840.9,16526.26,23.1,887+20
N,93849.13,16487.77,23,886+80
N,93842.18,16428.88,22,886+20
N,93822.93,16350.32,19.7,885+40
N,93824.49,16309.45,16.8,885+00
N,93845.41,16252.2,17.6,884+40
N,93872.43,16220.76,16.9,884+00
Barrier 1 Edge of Bridge NB,1,2,0,0
94351.57,15758.36,19.31,20.31, 878N
94287.37,15833.03,18.8,19.8, 879N
94238.72,15909.07,19.3,20.3, 879.9N
94196.58,15992.38,20.4,21.4, 880.9N
94179.8,16033.79,20.4,21.4, 881.3N
Barrier 2 Soundwall S882 ROW NB,2,2,0,0
94191.4845,16023.834,19.5,23.16, 881.1N
94179.8151,16037.0512,20.8,24.46,881+30
94154.6677,16099.4461,24.5,28.16,882+00
94118.2429,16189.1509,24,27.66,882+95
Barrier 3 Soundwall S884 ROW NB,3,2,0,0
94105.7517,16203.4319,23.8,27.46,883+15
94071.834,16269.012,24,27.66,883+88
94064.3366,16290.511,24.2,27.86,884+12
94059.99,16323.03,25.1,28.76, 884.5N
94067.33,16366.49,25.2,28.86, 885N
94079.92,16413.87,25.75,29.41, 885.5N
Barrier 4 Terrain Line NB NearVandergrift,4,2,0,0
94079.92,16413.87,25.75,25.75, 885.5NT
94089.12,16461.18,26.16,26.16, 886NT
94069.93,16605.43,27.36,27.36, 887NT
Barrier 5 Terrain Line NB Near River,5,2,0,0
94190.07,16019.85,18,18, 881.1NT
94232.57,16045.2,20,20, 881.1NT
94327.32,16110.41,23.5,23.5, 881.1NT
94390.71,16199.63,30,30, 881.1NT
Barrier 6 Divider Jersey Barrier,6,2,0,0
94357.71,15697.61,20.87,21.87, 877.4C
94318.44,15739.2,20,21, 878C
94256.4,15817.42,19.59,20.59, 879C
94203.13,15902.12,20.27,21.27, 880C
94156.96,15990.82,20.91,21.91, 881C
94146.23,16011.69,21.09,22.09, 881.2C
94146.23,16011.69,21.09,22.09, 881.2C
94111.18,16079.73,21.24,22.24, 882C
94065.4,16168.63,21.9,22.9, 883C
94019.63,16257.54,22.45,23.45, 884C
Barrier 7 Divider Jersey Barrier,7,2,0,0
94019.63,16257.54,22.45,23.45, 884C
93973.85,16346.45,22,23, 885C
93928.07,16435.36,23.83,24.83, 886C

93882.29,16524.27,23.79,24.79, 887C
93836.52,16613.18,22.8,23.8, 888C
93790.74,16702.08,21.22,22.22, 889C
93752.38,16794.69,19.69,20.69, 890C
93726.12,16890.59,19.44,20.44, 891C
93702.86,16987.98,19.23,20.23, 892C
93679.6,17085.36,20.15,21.15, 893C
93656.34,17182.74,20.26,21.26, 894C
Barrier 8 ROW SB,8,2,0,0
94310.04,15579.46,18,18, 876.6S
94311,15630.52,16.2,16.2, 877S
94297.1,15684.26,20.2,20.2, 877.6S
94245.41,15768.03,20.45,20.45, 878.6S
94217.33,15810.92,20.51,21.51, 879.1S
94188.27,15861.26,20.78,21.78, 879.6S
94140.4,15959.69,20.79,21.79, 880.8S
94121.3,15988.13,20.96,21.96, 881.25S
Barrier 9 Soundwall ROW SB,9,2,0,0
94121.3,15988.13,20.96,20.96, 881.25S
94113.07,16013.15,20.91,20.91, 881.5S
94080.26,16059.21,20.6,20.6, 882S
94032.39,16152.57,21.6,21.6, 883S
93986.83,16239.84,22.1,22.1, 884S
93958.33,16292.56,22.68,22.68, 884.6S
Barrier 10 ROW SB,10,2,0,0
93860.87,16213.46,17.78,17.78, 884S
93821.63,16284.64,18.78,18.78, 884.8S
93815.84,16329.67,20.2,20.2, 885.2S
93824.99,16386.15,20.8,20.8, 885.8S
93844.46,16463.23,22,22, 886.6S
93825.29,16539.49,22.8,22.8, 887.4S
93788.48,16629.03,23.2,23.2, 888.4S
93752.18,16713.38,20,20, 889.2S
93714.79,16808.62,18.7,18.7, 890.2S
93687.93,16917.04,27,27, 891.3S
Barrier 11 Terrain Line Wire Mountain Road SB,11,2,0,0
93674.17,16928.19,27.3,27.3, 891.3ST
93584.78,17004.81,27.5,27.5, 892.5ST
Barrier 12 Building SB,12,2,0,0
94229.08,15690.99,18.9,23.9, 878.2SB
94201.88,15723.06,18.9,23.9, 878.6SB
Barrier 13 Building Travel Lodge SB,13,2,0,0
94008.74,16026.19,20.75,30.75, 882SB
94046.07,16061.1,20.75,30.75, 882.2SB
94011.54,16143.95,20.75,30.75, 883SB
Barrier 14 Existing Wall Near Train Tracks SB,14,2,0,0
93699.66,16347.49,14,20.1, 886S
93671.44,16482.26,15,21.1, 887.2S
93650.83,16582.11,15.5,21.6, 888.5S
93625.41,16718,16.5,22.6, 889.6S
93601.44,16847.71,17,23.1, 890.9S
93593.31,16889.92,17,23.1, 891.3S
Barrier 15 Wall in RV Park SB,15,2,0,0
93917.45,16078.89,17,18.83, 883SB
94006.55,16158.46,21.5,23.33, 883.2SB
Barrier 16 Building RV Park SB,16,2,0,0

94006.55,16158.46,21.5,29.5, 883.2SB
94001.61,16168.11,21.3,29.3, 883.6SB
Barrier 17 Jersey Barrier Shoulder,17,2,0,0
94121.83,15998.25,20.95,21.95, 881.25SB
94083.84,16068,21.22,22.22, 882SB
94037.15,16153.75,21.71,22.71, 883SB
93989.81,16241.87,22.3,23.3, 884SB
93950.35,16315.32,22.8,23.8, 884.9SB
Barrier 18 Jersey Barrier Shoulder,18,2,0,0
93937.75,16156.37,19,29, 883.6SB
93952.99,16170.07,19,29, 883.6SB
Barrier 19 Jersey Barrier Shoulder,19,2,0,0
93966.8,16180.62,21.55,31.55, 883.7SB
93990.98,16189.94,21.55,31.55, 883.7SB
Barrier 20 Terrrain Line Road NB,20,2,0,0
94118.2429,16189.1509,24,24,882+95
94105.7517,16203.4319,23.8,23.8,883+15
R 22.1,1,55,2
94224.21,16048.37,22.3,R22.1
R 22.2,2,55,1
94182.44,16036.95,22.5,ST22.1
R 22.3,3,55,1
94195.09,16095.77,25.2,R22.3
R 22.4,4,55,1
94179.68,16086.1975,25.07,R22.4
R22.4A,5,55,1
94158.92,16112.69,26.55,LT22.1
R 22.5,6,55,4
94150.51,16167.79,25.8,R22.5
R 22.6,7,55,4
94108.11,16242.51,25.81,R22.6
R 22.7,8,55,1
94069.31,16298.07,25.81,R22.7
R 22.8,9,55,1
94076.61,16316.42,26.07,R22.8
R 22.9,10,55,10
93603.8,16721.5,15.4,ST22.3
R 22.10,11,55,11
93983.75,16121.84,22.2,ST22.2
R 22.11,12,55,12
93978.33,16064.13,20.4,R22.11
R 22.12,13,55,13
94021.73,16023.39,25.07,R22.12
R 22.13,14,55,14
94207.75,15704.25,17,R22.13
R 22.8A,15,55,14
94108.06,16341.99,26.12,R22.8A
D,4.5
ALL, ALL
K,0,
All, All
K,-5
All,3
K,-2,
All,11,12

SOUND32 - RELEASE 07/30/91, MODIFIED 04/22/00

TITLE:
ROADWAY SEGMENT 22 NB & SB HIGHWAY 76 TO WIRE MOUNTAIN ROAD - DESIGN

1

BARRIER DATA
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BAR ELE	BARRIER HEIGHTS 0	1	2	3	4	5	6	7	ID	BAR LENGTH	TYPE
1	-	3.*							878N	323.0	
2	-	3.*							879N	296.2	
3	-	3.*							879.9N	306.3	
4	-	3.*							880.9N	146.6	
5	-	12.*							881.1N	58.0	
6	-	12.*							881+30	221.0	
7	-	12.*							882+00	317.6	
8	-	12.*							883+15	242.2	
9	-	12.*							883+88	74.8	
10	-	12.*							884+12	107.6	
11	-	12.*							884.5N	144.6	
12	-	12.*							885N	160.9	
13	-	0.*							885.5NT	158.1	
14	-	0.*							886NT	477.5	
15	-	0.*							881.1NT	162.5	
16	-	0.*							881.1NT	377.5	
17	-	0.*							881.1NT	359.7	
18	-	3.*							877.4C	187.7	
19	-	3.*							878C	327.5	
20	-	3.*							879C	328.3	
21	-	3.*							880C	328.1	
22	-	3.*							881C	77.0	
23	-	3.*							881.2C	.0	
24	-	3.*							881.2C	251.1	
25	-	3.*							882C	328.1	
26	-	3.*							883C	328.1	
27	-	3.*							884C	328.1	
28	-	3.*							885C	328.2	
29	-	3.*							886C	328.1	
30	-	3.*							887C	328.1	
31	-	3.*							888C	328.1	
32	-	3.*							889C	328.9	
33	-	3.*							890C	326.2	
34	-	3.*							891C	328.5	
35	-	3.*							892C	328.5	
36	-	3.*							893C	328.5	

37 - 0.* 876.6S 167.6
38 - 0.* 877S 182.6
39 - 0.* 877.6S 323.0
40 - 2.* 878.6S 168.2
41 - 3.* 879.1S 190.8
42 - 3.* 879.6S 359.0
43 - 3.* 880.8S 112.4

44 - 0.* 881.25S 86.4
45 - 0.* 881.5S 185.5
46 - 0.* 882S 344.3
47 - 0.* 883S 323.0
48 - 0.* 884S 196.7

49 - 0.* 884S 266.7
50 - 0.* 884.8S 149.0
51 - 0.* 885.2S 187.7
52 - 0.* 885.8S 260.9
53 - 0.* 886.6S 258.0
54 - 0.* 887.4S 317.7
55 - 0.* 888.4S 301.4
56 - 0.* 889.2S 335.8
57 - 0.* 890.2S 367.5

58 - 0.* 891.3ST 386.3

59 - 16.* 878.2SB 137.9

60 - 33.* 882SB 167.7
61 - 33.* 882.2SB 294.5

62 - 20.* 886S 451.8
63 - 20.* 887.2S 334.4
64 - 20.* 888.5S 453.6
65 - 20.* 889.6S 432.7
66 - 20.* 890.9S 141.0

67 - 6.* 883SB 392.1

68 - 26.* 883.2SB 35.6

69 - 3.* 881.25S 260.6
70 - 3.* 882SB 320.4
71 - 3.* 883SB 328.2
72 - 3.* 884SB 273.5

73 - 33.* 883.6SB 67.2

74 - 33.* 883.7SB 85.1

75 - 0.* 882+95 62.3
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0 1 2 3 4 5 6 7
1
REC REC ID DNL PEOPLE LEQ(CAL)

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 1  R22.1     67.    500.   71.8
 2  ST22.1    67.    500.   69.1
 3  R22.3     67.    500.   65.4
 4  R22.4     67.    500.   71.2
 5  LT22.1    67.    500.   71.1
 6  R22.5     67.    500.   70.0
 7  R22.6     67.    500.   71.1
 8  R22.7     67.    500.   68.9
 9  R22.8     67.    500.   69.0
10  ST22.3    67.    500.   58.9
11  ST22.2    67.    500.   66.0
12  R22.11    67.    500.   61.9
13  R22.12    67.    500.   71.2
14  R22.13    67.    500.   59.6
15  R22.8A    67.    500.   67.9
BARRIER HEIGHT INDEX FOR EACH BARRIER SECTION
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
CORRESPONDING BARRIER HEIGHTS FOR EACH SECTION
 3. 3. 3. 3.12.12.12.12.12.12.12.12. 0. 0. 0. 0. 0. 3. 3. 3. 3. 3. 3. 3. 3.
 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 0. 0. 0. 2. 3. 3. 3. 0. 0. 0. 0. 0. 0. 0.
 0. 0. 0. 0. 0. 0. 0. 0.16.33.33.20.20.20.20.20. 6.26. 3. 3. 3. 3.33.33. 0.
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