

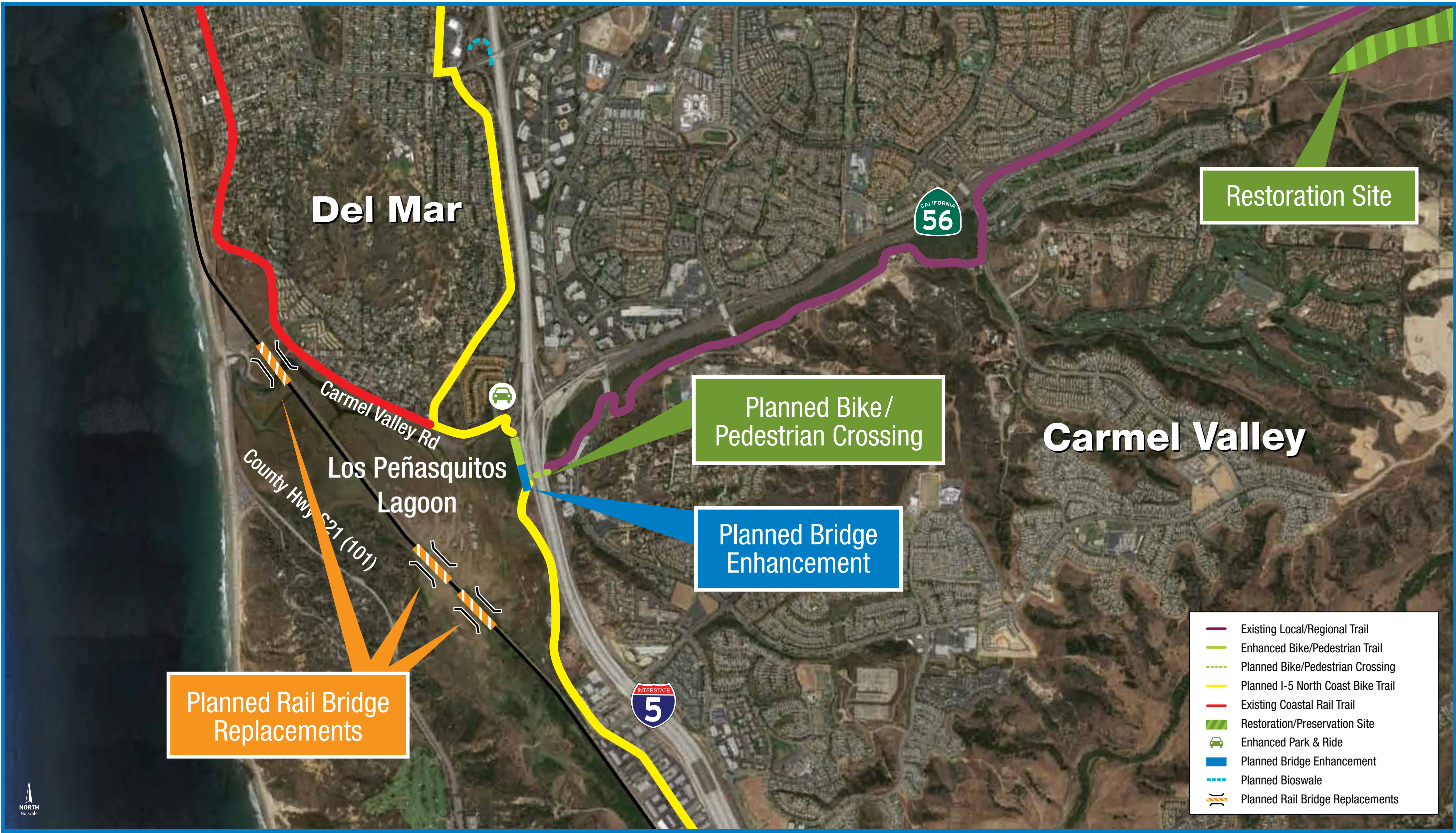
# North Coast Corridor Program

## Lagoon Enhancement and Coastal Access Features



**North Coast Corridor**  
*A better environment for the future*

### Los Peñasquitos Lagoon



ENHANCEMENT SUMMARY	
Environmental Mitigation and Enhancement	<ul style="list-style-type: none"><li>Deer Canyon II: Upland Establishment (14.6 ac) (near SR 56)</li><li>Lagoon Management Endowment for Inlet Maintenance</li></ul>
Bike/Pedestrian Trails	<ul style="list-style-type: none"><li>Peñasquitos Creek Trail Connection</li><li>Carmel Valley Enhanced Trail Connection</li><li>Old Sorrento Valley Road Enhanced Trail Connection</li><li>I-5 North Coast Bike Trail</li></ul>
Water Quality/BMPs	<ul style="list-style-type: none"><li>Bioswales</li><li>75 ac Pavement Treated</li></ul>
Long-Term Monitoring	<ul style="list-style-type: none"><li>Lagoon Enhancement Plan Being Updated</li></ul> <p><small>Long-term monitoring by other responsible agencies is either on-going as part of current restoration efforts, or proposed as part of future restoration projects</small></p>
Rail Bridge Enhancement	<ul style="list-style-type: none"><li>Replacement of three single-track rail bridges, improving tidal flow</li></ul>
Highway Bridge Enhancement	<ul style="list-style-type: none"><li>New bridge on Old Sorrento Valley Road over Carmel Valley Creek</li></ul>

### San Dieguito Lagoon



ENHANCEMENT SUMMARY	
Environmental Mitigation and Enhancement	<ul style="list-style-type: none"><li>Dean Family Trust Site<ul style="list-style-type: none"><li>Upland Establishment (20.8 ac)</li><li>Upland Preservation (1.5 ac)</li></ul></li><li>San Dieguito W19<ul style="list-style-type: none"><li>Upland (9.6 ac) &amp; Wetland (47.3 ac) Establishment</li><li>Upland Restoration (19.8 ac)</li></ul></li></ul>
Bike/Pedestrian Trails	<ul style="list-style-type: none"><li>Enhanced Trail and Bridge on West Side of I-5</li><li>Coast to Crest Trail Crossing</li><li>I-5 North Coast Bike Trail</li></ul>
Water Quality/BMPs	<ul style="list-style-type: none"><li>Bioswales</li><li>Detention Basin</li><li>164 ac Pavement Treated</li></ul>
Long-Term Monitoring	<ul style="list-style-type: none"><li>SCE Restoration Initiated in 2006</li></ul> <p><small>Long-term monitoring by other responsible agencies is either on-going as part of current restoration efforts, or proposed as part of future restoration projects</small></p>
Rail Bridge Enhancements	<ul style="list-style-type: none"><li>Replacement of San Dieguito bridge as part of 1.1-mile double track project, improving tidal flow</li></ul>
Highway Bridge Modification	<ul style="list-style-type: none"><li>I-5 Bridge Widened</li></ul>

Updated March 2013. Information subject to change.



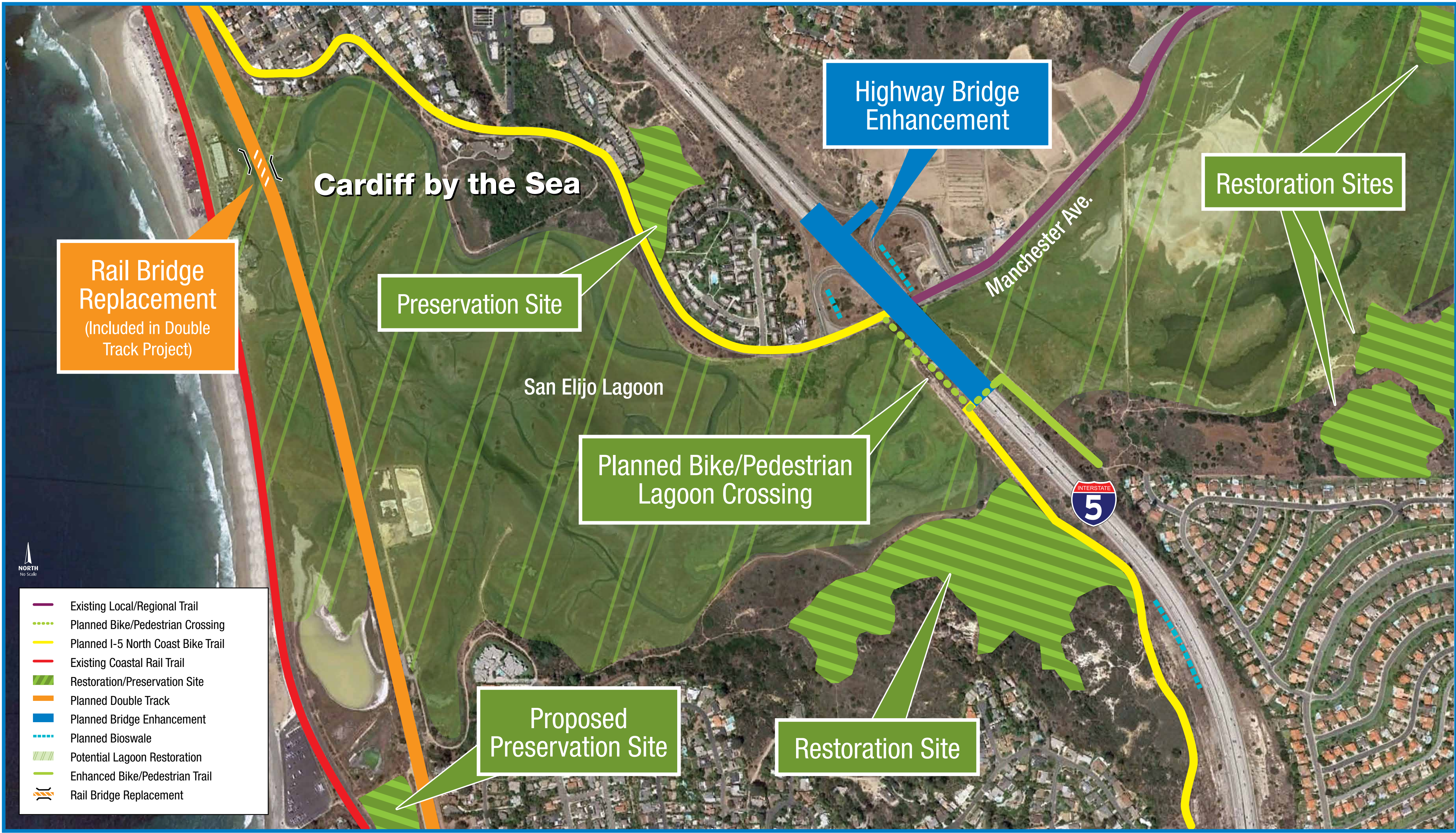
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### San Elijo Lagoon



ENHANCEMENT SUMMARY	
Environmental Mitigation and Enhancement	<ul style="list-style-type: none"><li>• Laser: Upland (4.1 ac) &amp; Wetland (.02 ac) Preservation</li><li>• Potential San Elijo Lagoon Restoration Project Funding</li><li>• San Elijo Uplands (30 ac)</li></ul>
Bike/Pedestrian Trails	<ul style="list-style-type: none"><li>• Pedestrian Trailhead</li><li>• Pedestrian Enhanced Trail on Both sides of I-5 with Bridge Connection to Manchester Avenue</li><li>• Segments of Coastal Rail Trail</li><li>• I-5 North Coast Bike Trail</li></ul>
Water Quality/BMPs	<ul style="list-style-type: none"><li>• Bioswales</li><li>• Detention Basin with First Flush Treatment Capability</li><li>• 50 ac Pavement Treated</li><li>• First Flush Flow Diversion</li></ul>
Long-Term Monitoring	<ul style="list-style-type: none"><li>• San Elijo Lagoon Restoration Project</li></ul> <p><small>Long-term monitoring by other responsible agencies is either on-going as part of current restoration efforts, or proposed as part of future restoration projects</small></p>
Rail Bridge Enhancements	<ul style="list-style-type: none"><li>• San Elijo bridge lengthened to 700 ft as part of 1.5-mile double track project, improving tidal flow</li></ul>
Highway Bridge Enhancements	<ul style="list-style-type: none"><li>• I-5 bridge replaced and lengthened for enhanced tidal flow</li><li>• I-5 channel width expanded for enhanced tidal flow</li></ul>

### Batiquitos Lagoon



ENHANCEMENT SUMMARY	
Environmental Mitigation and Enhancement	<ul style="list-style-type: none"><li>• La Costa: Upland Preservation (18.8 ac)</li><li>• Lagoon Management Endowment for Inlet Maintenance</li></ul>
Bike/Pedestrian Trails	<ul style="list-style-type: none"><li>• Enhanced Trail and Bridge on West Side of Lagoon</li><li>• Trail on Northeast Side of I-5</li><li>• Segments of Coastal Rail Trail</li><li>• I-5 North Coast Bike Trail</li></ul>
Water Quality/BMPs	<ul style="list-style-type: none"><li>• Bioswales</li><li>• Detention Basin with First Flush Treatment Capability</li><li>• 315 ac Pavement Treated</li></ul>
Long-Term Monitoring	<ul style="list-style-type: none"><li>• Lagoon Enhancement Project</li><li>• Port of Los Angeles/Long Beach 2006</li></ul> <p><small>Long-term monitoring by other responsible agencies is either on-going as part of current restoration efforts, or proposed as part of future restoration projects</small></p>
Rail Bridge Enhancements	<ul style="list-style-type: none"><li>• Replacement of Batiquitos bridge as part of 2.7-mile double track project, improving tidal flow</li></ul>
Highway Bridge Enhancement	<ul style="list-style-type: none"><li>• I-5 bridge replaced and lengthened for enhanced tidal flow</li><li>• I-5 channel width expanded for enhanced tidal flow</li></ul>

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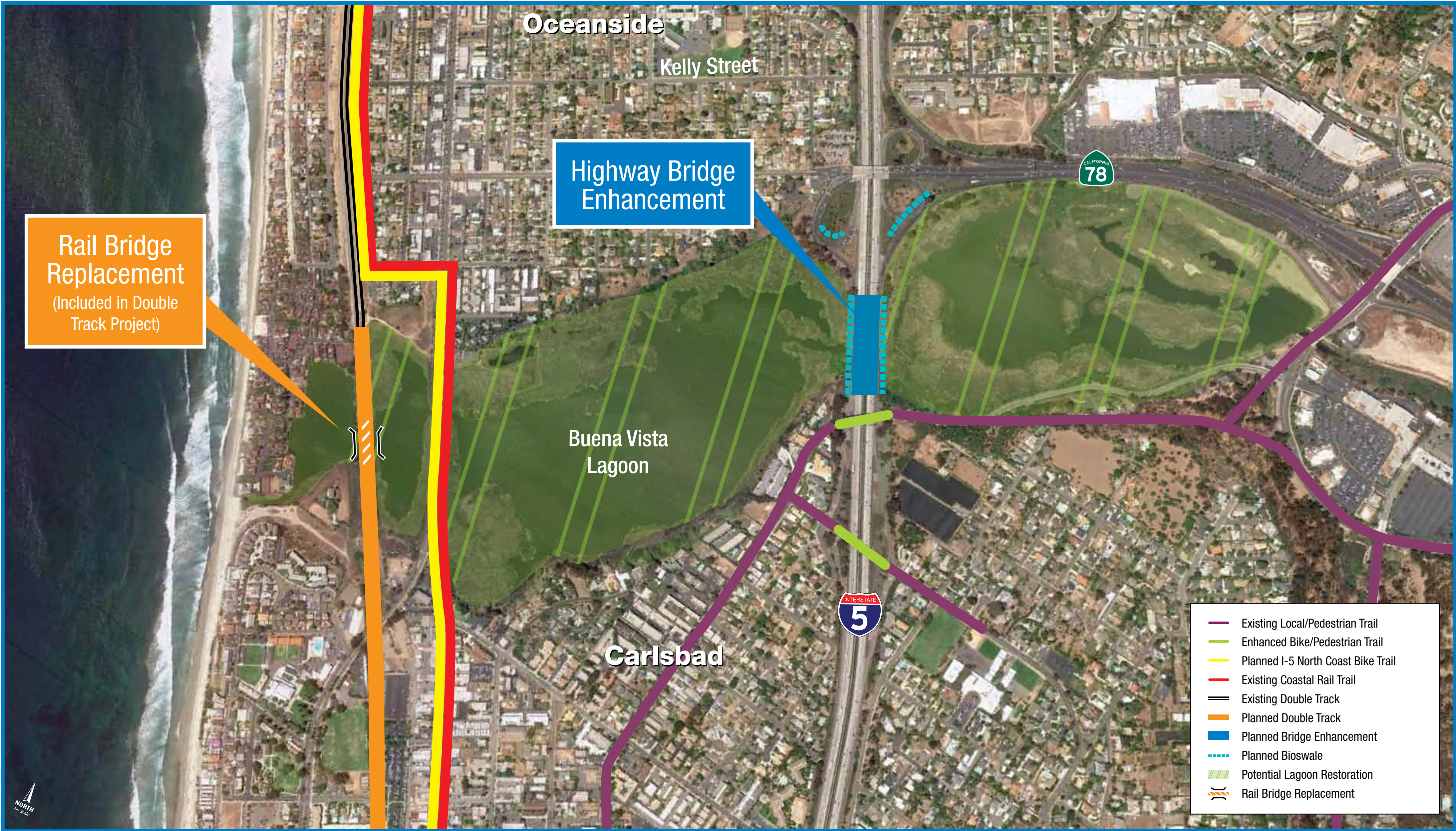
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### Agua Hedionda Lagoon



ENHANCEMENT SUMMARY	
Environmental Mitigation and Enhancement	• Hallmark East and West: Upland (3.5 ac) & Wetland (4.37 ac) Establishment; Upland (6.6 ac) & Wetland (.97 ac) Enhancement; Upland (1.8 ac) & Wetland (.44 ac) Preservation
Bike/ Pedestrian Trails	• Enhanced Trail and Bridge on East Side of I-5 • I-5 North Coast Bike Trail
Water Quality/BMPs	• Restricted by topography
Long-Term Monitoring	• Dredging and Eelgrass Planting • Removal of Toxic Algae <small>Long-term monitoring by other responsible agencies is either on-going as part of current restoration efforts, or proposed as part of future restoration projects</small>
Rail Bridge Enhancements	• Second track bridge as part of completed double track project, improving tidal flow
Highway Bridge Enhancements	• I-5 bridge replaced and widened with fewer columns for enhanced tidal flow

### Buena Vista Lagoon



ENHANCEMENT SUMMARY	
Environmental Mitigation and Enhancement	• Potential Buena Vista Lagoon Restoration Funding
Bike/ Pedestrian Trails	• I-5 North Coast Bike Trail
Water Quality/BMPs	• Bioswales • 198 ac Pavement Treated
Long-Term Monitoring	• Buena Vista Lagoon Foundation Feasibility Study Completed <small>Long-term monitoring by other responsible agencies is either on-going as part of current restoration efforts, or proposed as part of future restoration projects</small>
Rail Bridge Enhancements	• Replacement of Buena Vista bridge as part of one mile double track project, improving tidal flow
Highway Bridge Enhancements	• I-5 bridge replaced and lengthened for enhanced tidal flow • I-5 channel width expanded for enhanced tidal flow

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