

# Del Mar Bluffs Stabilization Phase 5

## Fact Sheet

### Project Overview

SANDAG and North County Transit District (NCTD) are leading efforts to stabilize portions of the coastal bluffs in the City of Del Mar. This integral part of the 351-mile Los Angeles – San Diego – San Luis Obispo (LOSSAN) rail corridor is a vital link for passenger and freight movements within San Diego County, as well as between San Diego, Los Angeles, and points farther north. Del Mar Bluffs Stabilization is an ongoing, multiphase effort to maintain a stable track bed along the coastal bluffs and protect the railroad from erosion, landslides, and seismic events.

Phase 5 stabilization efforts will install additional columns to support the railroad and reinforce the bluffs and install retaining walls, drainage improvements including outlets to the beach, and other stabilization and erosion control measures on the upper bluffs, bluff face, and new sea walls to protect the bluff toe. Stabilization areas will be revegetated with California native species. This stabilization effort is especially critical in protecting the bluffs in the event of an earthquake, large storm events, and sea level rise.

### Benefits

Stabilization of the Del Mar Bluffs will increase safety and service reliability for passengers and freight by minimizing the chances of track

damage due to bluff retreat and seismic events. Directing stormwater runoff more effectively across the bluffs will help lower the potential for erosion during large storm events. The installation of support columns will further help to protect the track bed from erosion and earthquakes.

### Project Status

Del Mar Bluffs Stabilization 5 is currently in design and SANDAG has secured funding for construction.

### Importance of the LOSSAN Corridor

The LOSSAN rail line is a vital component of the north-south corridor through the San Diego region. The NCTD COASTER commuter rail service, Amtrak’s Pacific Surfliner intercity service, and BNSF Railway freight service all rely upon this segment of track to serve a combined 7.6 million passengers a year<sup>1</sup> and \$1 billion in goods and services that are supported by rail line reliability.<sup>2</sup> In 2019, these services relied upon 46 passenger trains and six freight trains per day. SANDAG is currently evaluating tunnel options to move the trains off the bluffs and to protect this vital economic corridor for the San Diego region.



### Schedule And Funding

#### Design Start

Early 2020

#### Construction Start

Mid-2023

#### Estimated Project Cost

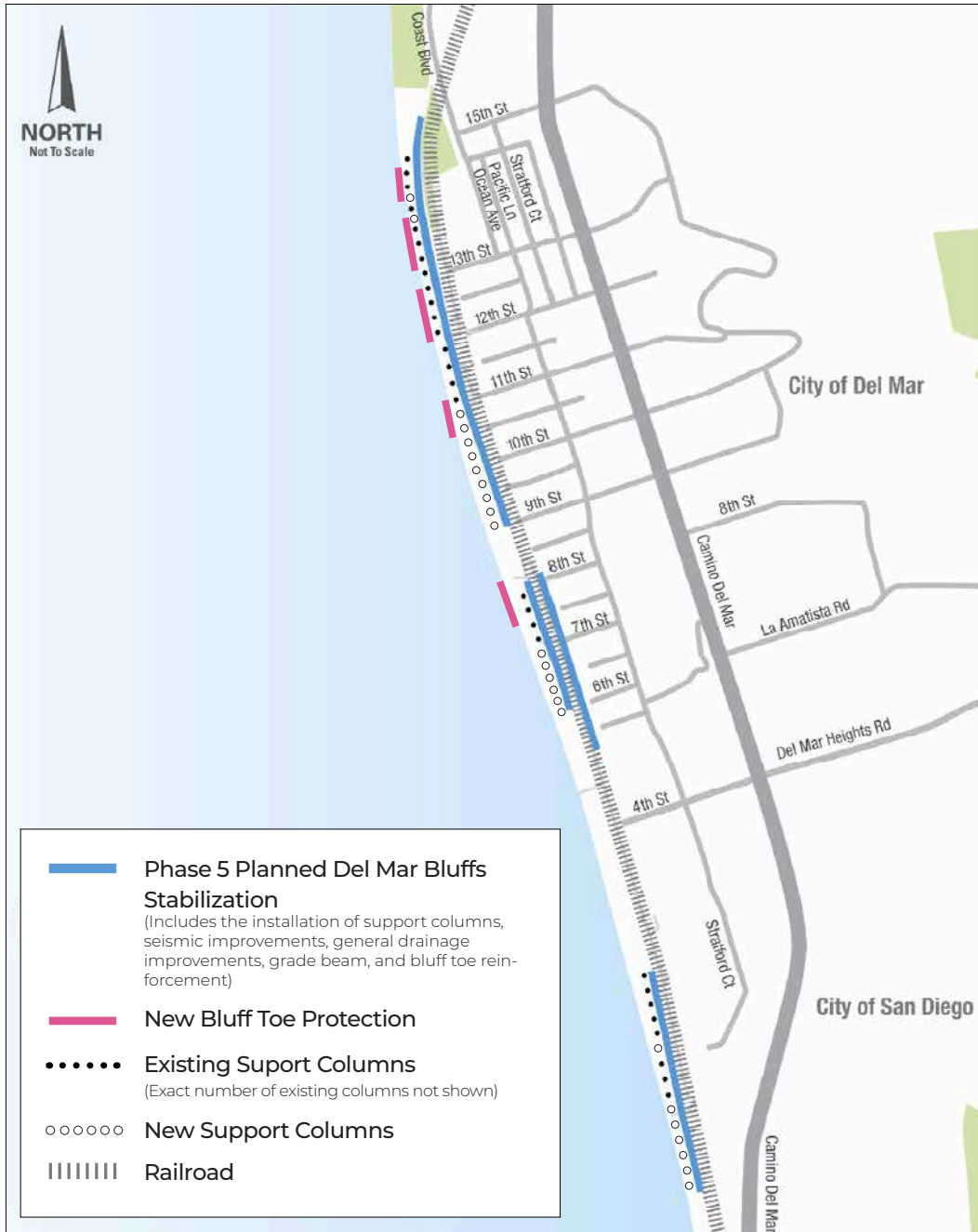
\$68 million

#### Funding Sources

- » California Natural Resources Agency
- » Transit and Intercity Rail Capital Program
- » Federal Railroad Administration – State of Good Repair
- » Federal Transportation Administration
- » Trade Corridor Enhancement Program

<sup>1</sup> Number of annual passengers along the LOSSAN rail corridor from San Luis Obispo to San Diego (LOSSAN Rail Corridor Agency)

<sup>2</sup> Annual amount of goods transported along the LOSSAN rail corridor from San Luis Obispo to San Diego (BNSF Railway, 2008: \$1B, 2050 estimate: \$2B)



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TTY: (619) 699-1904  
Email: [LOSSANRail@KeepSanDiegoMoving.com](mailto:LOSSANRail@KeepSanDiegoMoving.com)

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