



LOSSAN

Los Angeles
San Diego
San Luis Obispo

Coastal Rail Corridor

San Diego Segment

Building Today. Boarding Tomorrow.

DEL MAR BLUFFS STABILIZATION

PHASE 4 SCHEDULE AND FUNDING

Construction Start

May 2020

Construction Completed

January 2021

Funding Sources

Federal, State, and Local

Phase 4 Cost

\$7.5 million



PROJECT OVERVIEW

SANDAG and the 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.

PREVIOUS BLUFF STABILIZATION EFFORTS

Since 2003, SANDAG and NCTD have completed four stabilization projects along coastal bluffs between Coast Boulevard and Torrey Pines State Beach. These stabilization projects saw the installation of more than 230 support columns into the bluffs and critical investments into drainage infrastructure to help reinforce and protect the Del Mar bluffs.

PHASE 4 IMPROVEMENTS

Phase 4 efforts installed smaller support columns that stabilized local areas and sea walls, constructed a drainage channel on top of the bluffs, repaired concrete channels and storm chute outfalls, and stabilized existing headwalls.

FUTURE IMPROVEMENTS

SANDAG and NCTD have identified the funding needed to accelerate the final two phases of stabilization projects, Del Mar Bluffs Phases 5 and 6. Phase 5 is currently funded through construction and will address additional seismic and general stabilization needs, install additional support columns, and replace more aging drainage structures.

Phase 6 will continue to provide long-term rehabilitation and stabilization work, including protecting the base of the bluffs against additional bluff retreat. Simultaneously, to ensure the long-term viability of the corridor, SANDAG is evaluating alternative strategies to move the tracks completely off the bluffs.

IMPORTANCE OF THE LOSSAN RAIL LINE

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 year¹ and \$1 billion in goods and services that are supported by rail line reliability². In 2019, these services relied upon 48 passenger trains and 6 to 8 freight trains per day. By 2030 these numbers will have increased to 78 passenger trains and 22 freight trains per day, only further illustrating the need for rail line reliability. SANDAG is currently commissioning an in-depth analysis of the economic impacts of the LOSSAN rail corridor to the San Diego region.

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

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



FOR MORE INFORMATION OR TO SIGN UP FOR PROJECT UPDATES:

Visit: KeepSanDiegoMoving.com/DelMarBluffs | Call: (858) 549-RAIL | TTY: (619) 699-1904 | Email: LOSSANRail@KeepSanDiegoMoving.com

