

# Del Mar Bluffs Stabilization Phase 5

## Fact Sheet

### Schedule And Funding

**Design Start**

Early 2020

**Construction Start**

Early or Spring 2024

**Estimated Project Cost**

\$88 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

### 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 has been designed and permitted, and SANDAG has secured funding for construction. Construction is anticipated to start in Spring 2024.

### 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. 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.

*(Project map on reverse side)*

### SANDAG.org

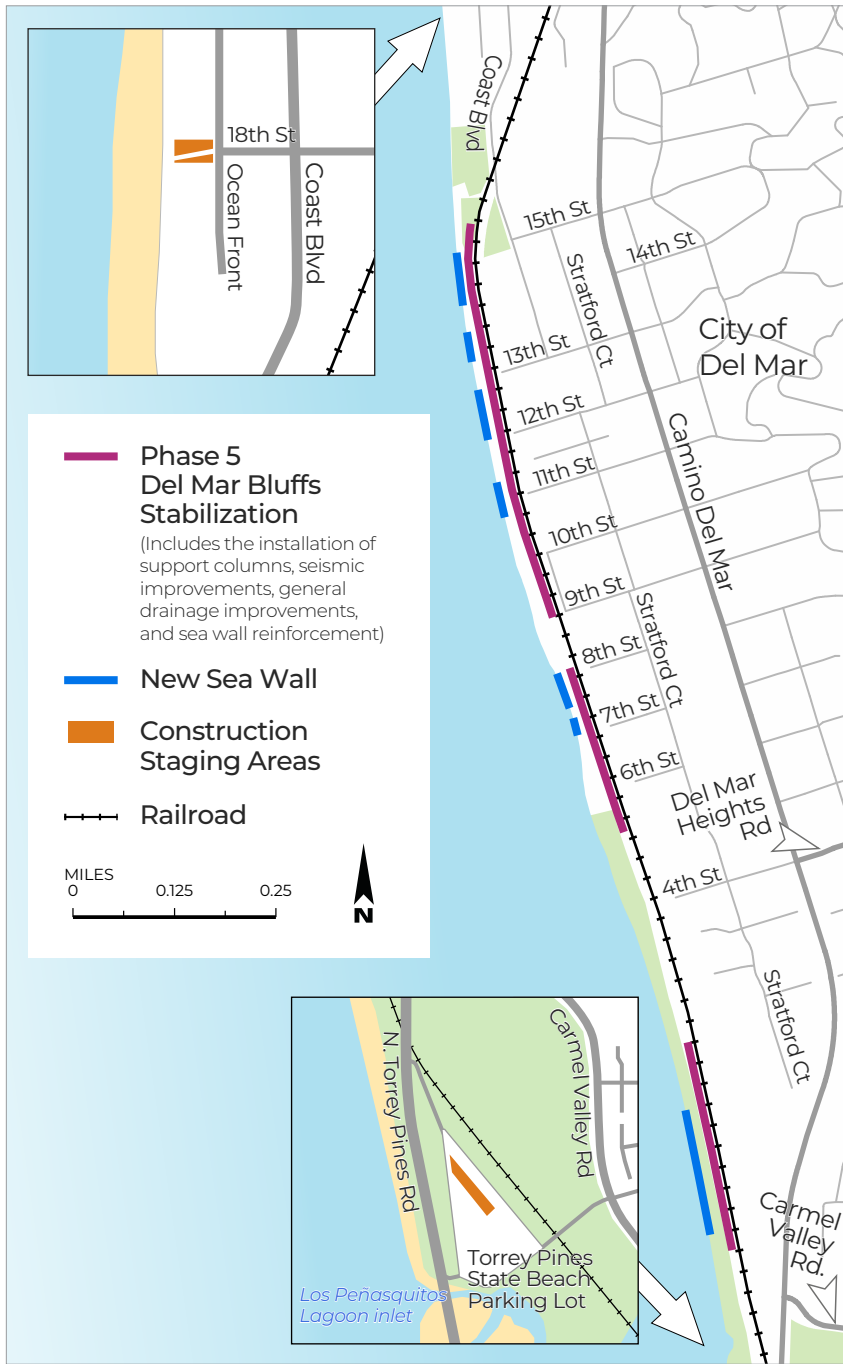
 SANDAGregion

 SANDAG

 SANDAGregion

 SANDAGregion

 SANDAG



In partnership with:



U.S. Department of Transportation



North Coast Corridor  
A better environment for the future

**For more information**

Please visit: [sandag.org/bluffstabilization](http://sandag.org/bluffstabilization)

Call: (858) 549-RAIL TTY: (619) 699-1904 Email: [LOSSANcorridor@sandag.org](mailto:LOSSANcorridor@sandag.org)

Or scan this QR code:



Free Language Assistance | Ayuda gratuita con el idioma | Libreng Tulong sa Wika | Hỗ trợ ngôn ngữ miễn phí  
免費語言協助 | 免費語言協助 | مساعدة ترجمة مجانية | 무료 언어 지원 | کمک زبان رایگان | 無料の言語支援 | Бесплатная языковая помощь  
Assistència lingüística gratuita | मुफ्त भाषा सहायता | Assistance linguistique gratuite | ជំនួយភាសាឥតគិតថ្លៃ  
ఉచిత భాషా సహాయం | ການຊ່ວຍເຫຼືອດ້ານພາສາພາສາ | Kaalmada Luqadda ee Bilaashka ah | Безкоштовна мовна допомога



**SANDAG.org/LanguageAssistance | (619) 699-1900**