

**Update on Emergency Need for Railroad Track
Stabilization in the Vicinity of Mile Post 203.83 to 204.40
and 206.10 to 206.70 on the Orange Subdivision**

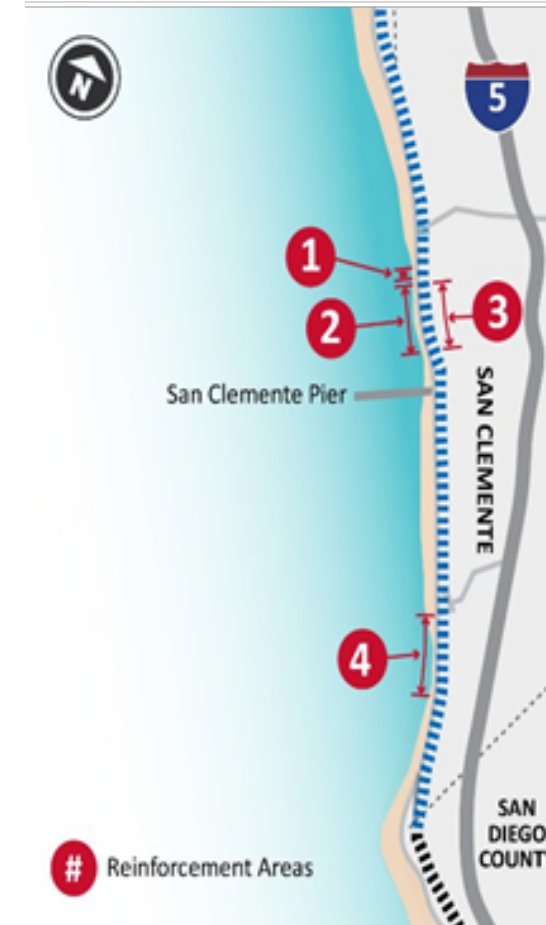
Coastal Rail Stabilization Priority Project

- Four reinforcement areas were identified in January 2024
- Proposed solutions evaluated at a preliminary design level considering different materials, performance, costs, methods, and schedule

Area	Location (MP)	Challenge	Proposed Solutions
1	203.80 – 203.90	Ongoing deterioration of existing riprap protection	Riprap repair (900 tons/600 CY) followed by sand nourishment
2	204.00 – 204.40	Erosion - no beach at high tide and direct wave attack damaging existing riprap protection	Riprap repair (6,750 tons/4,500 CY) followed by sand nourishment
3	204.07 – 204.34	Steep bluffs with high potential for failure that could impact rail infrastructure	1,400-ft catchment structure
4	206.00 - 206.10 206.42 - 206.70	Near San Clemente State Beach - erosion exposing areas of limited to no riprap protection	Riprap repair (2,100 tons/1,400 CY) and 1,200-ft shoreline protection structure followed by sand nourishment

MP – Mile Post
CY – Cubic Yard

Figure 1-1. Four Reinforcement Areas



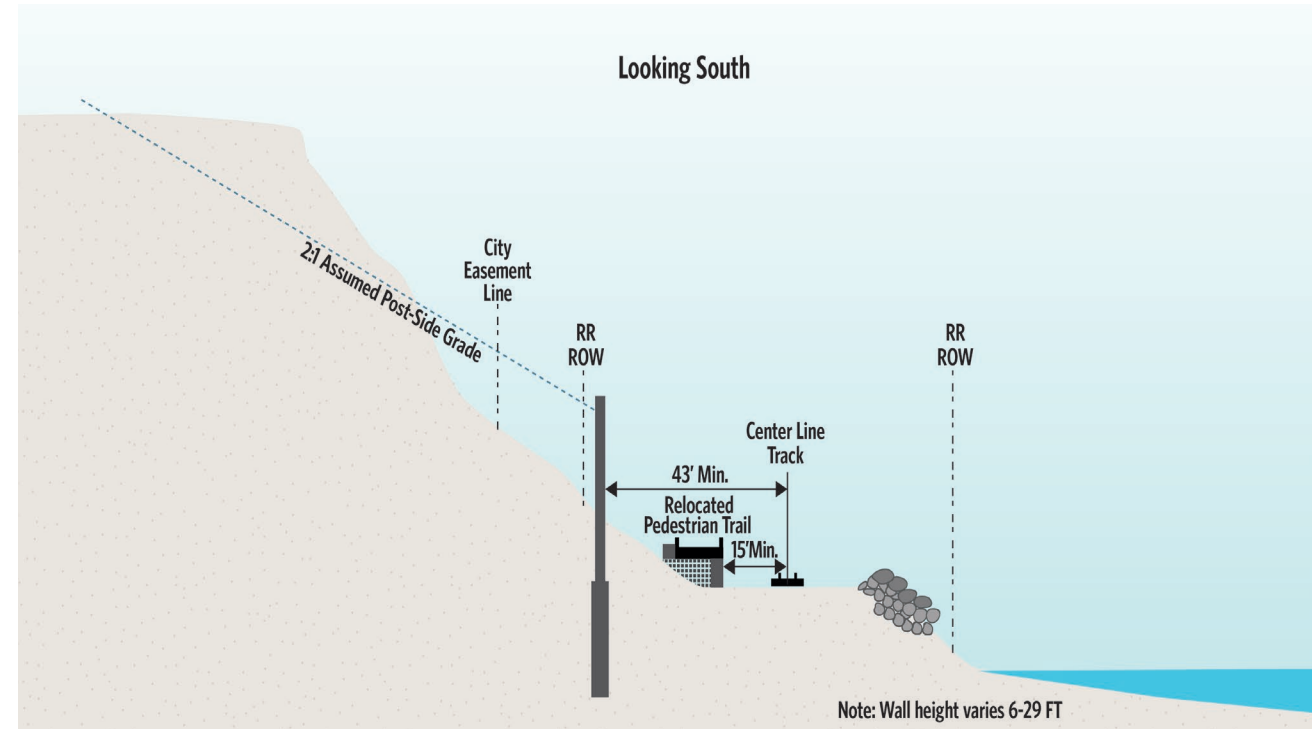
Area 1 and 2 Riprap and Area 3 Catchment Wall Activities

- Cooperative agreement with Southern California Regional Rail Authority (SCRRA) executed on April 28, 2025
- Work began on April 28, 2025
- Area 1 and 2 construction mobilization, including eight excavators
- Area 3 Mariposa pedestrian bridge spans removed and disposed of
- Approximately 1,340 tons/893 CY of riprap placed in Area 2 as of May 4, 2025
- Regular construction coordination meetings with SCRRA and City of San Clemente (City)
- Coordinated public outreach efforts with SCRRA contractor and the City
- Cooperative agreement with Los Angeles – San Diego – San Luis Obispo Rail Corridor Agency for the bus bridge services under review



Area 3 Mariposa Catchment Wall Activities

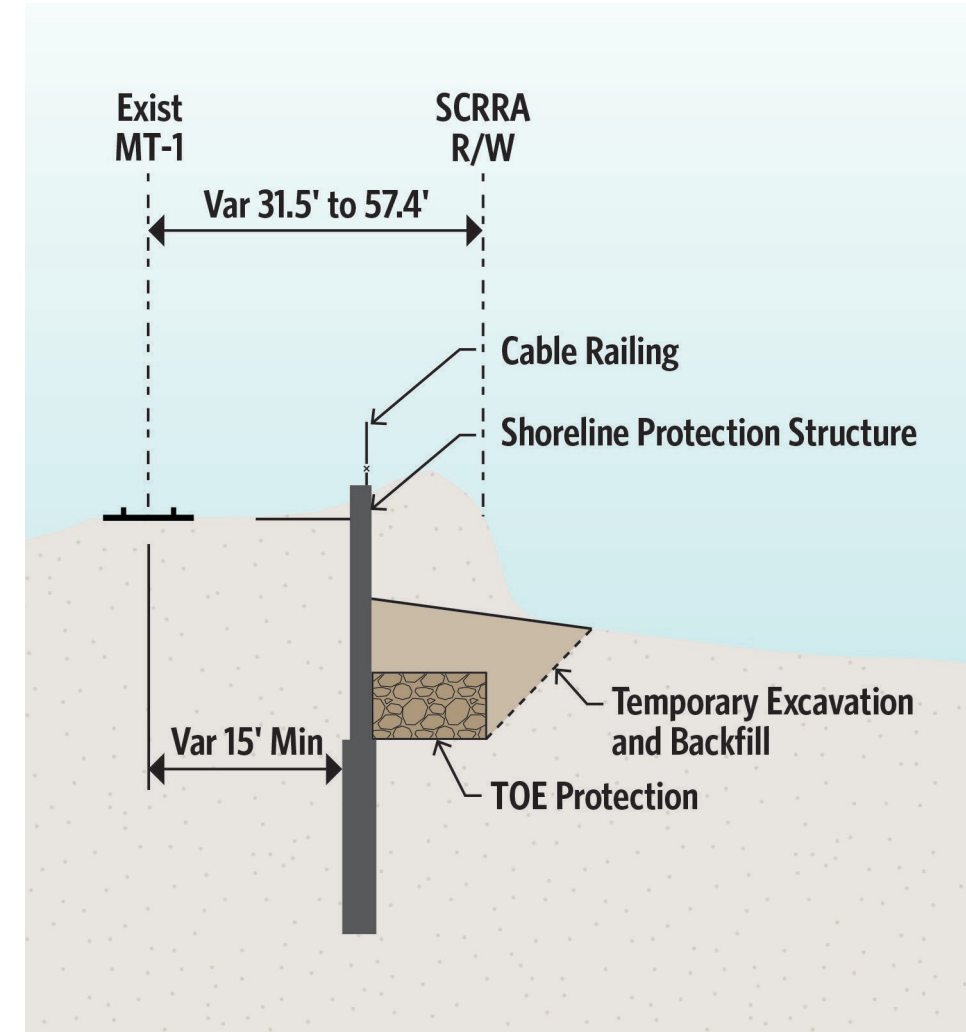
- Received proposal for independent geotechnical engineering services on May 5, 2025
- Coastal Development Permit (CDP) approved by the California Coastal Commission (CCC) on May 7, 2025
- Pre-proposal meeting with design-build contractor, proposal due May 7, 2025
- Preparing cooperative agreement with SCRRA for construction support for Area 3
- Funding allocation scheduled for California Transportation Commission meeting on May 15 and 16, 2025



RR – Railroad
ROW – right-of-way

Area 4 Shoreline Protection Structure Activities

- Met with CCC and presented beach nourishment coastal sand modeling analysis
- CCC does not recognize Area 4 as an emergency, no emergency CDP will be issued
- Coordinating with CCC staff to complete the standard CDP



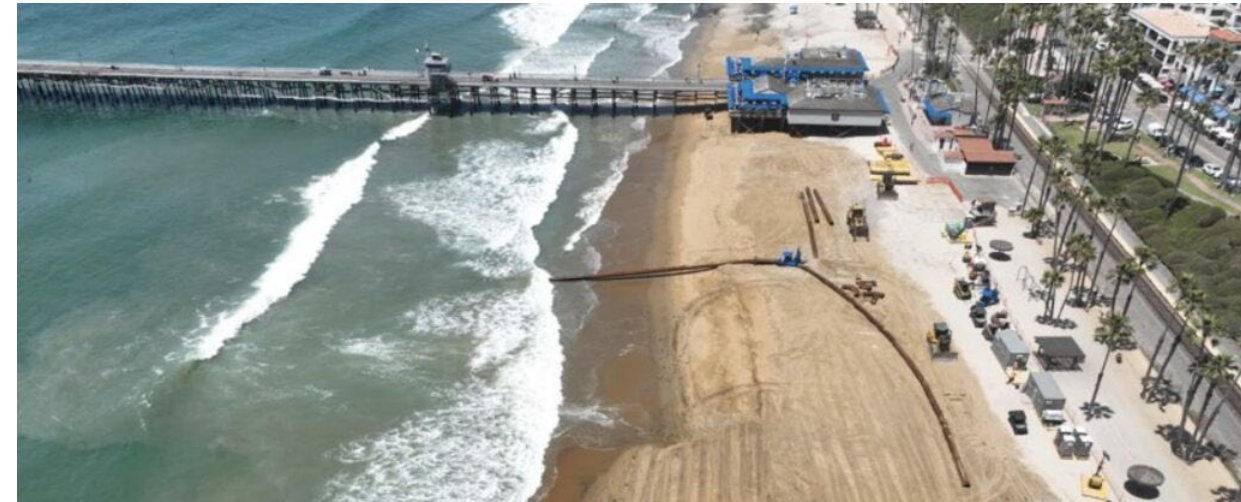
Area 4 – Shoreline Protection Structure

Estimated Schedule

Riprap Repair and Bridge Removal								
Estimated Number of Weeks	1	2	3	4	5	6		
Track Shutdown April 28, 2025								
Area 1					2 Weeks			
Area 2	4 Weeks							
Area 3 (Bridges)	2 Weeks							
Wall Construction								
Estimated Number of Months	1	2	3	4	5	6	7	8
Area 3 - Catchment Wall	8 Months							
Area 4 - Shoreline Protection Wall	8 Months							

Sand Nourishment

- Received eight responses to Request for Information for sand dredge and placement on May 5, 2025; responsiveness review underway
- OCTA is securing environmental clearance for offshore source dredging and placement of sand for Areas 1, 2, and 4. Comments received from Federal Railroad Administration on National Environmental Policy Act documentation
- OCTA is utilizing previous studies by the City to streamline the process, and has provided a draft cooperative agreement to the City for offshore sand exploration
- On-boarded and met with Miller Marine Science and Consulting for a desktop study and underwater offshore marine biological study
- Early Sand Nourishment Evaluation and Efforts:
 - Researched onshore sources for sand
 - Met with contractor on early sand placement logistics
 - Met with sand producer Lapeyre Industrial Sands
 - Evaluation of sand source from Chandler Garnet LLC in Palm Springs
 - Continued discussions on sand availability at Prado Dam with the Orange County Water District
- Preliminary Schedule (Subject to Change):
 - Environmental and final design approvals: Anticipated Q4 of 2025
 - Procure sand placement contractor: Anticipated Q1 of 2026
 - Bids Due Date: Anticipated Q2 of 2026
 - Contract Award and Notice to Proceed: Anticipated Q2 of 2026
 - Project Completion: Anticipated in 2027



Pictures from San Clemente Sand Replenishment Project

Recommendation

Reaffirm Resolution No. 2025-025 and authorize the Chief Executive Officer to take all necessary actions to address the emergency need for railroad track stabilization in the vicinity of Mile Post 203.83 to 204.40 and 206.10 to 206.70 on the Orange Subdivision, and to return to the Board of Directors, as required, to report on the status thereof.