

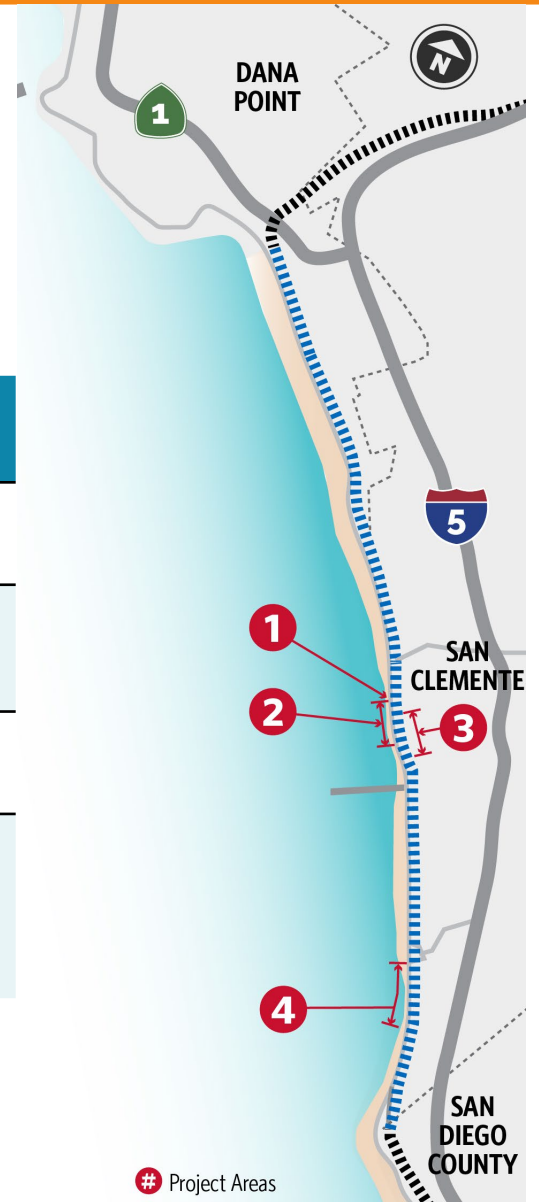
**Update on Emergency Need for Railroad Track  
Stabilization in the Vicinity of Mile Post 203.83 to 204.40  
and 206.10 to 206.70 on the Orange Subdivision**

# 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

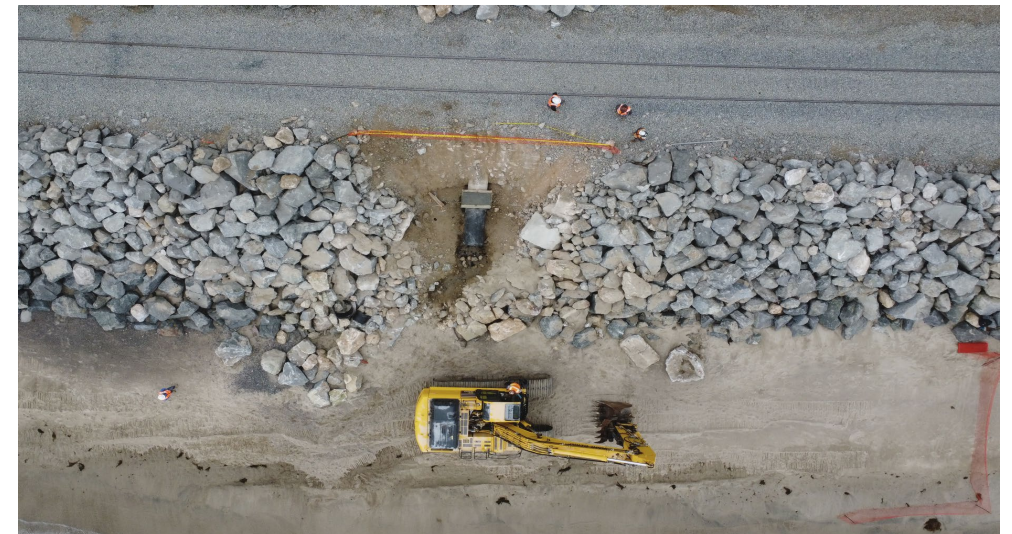
| Area | Location (MP)                      | Challenge                                                                                  | Proposed Solutions                                                                                           |
|------|------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| 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<br>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



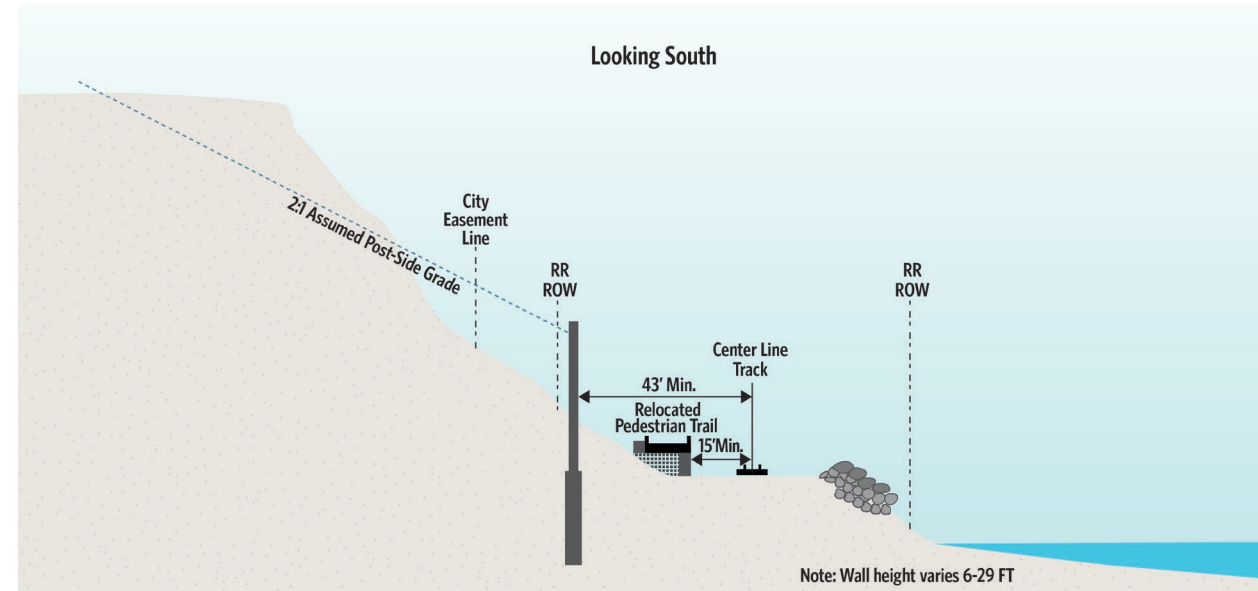
# Areas 1 and 2 Riprap Repair Activities

- Work began on April 28, 2025
- Riprap placement at Areas 1 and 2 continues and over 4,200 tons/ 2,800 CY supplemental riprap placed for repair
- California Coastal Commission (CCC) approved culvert repair and reapportionment of riprap repairs between Areas 1 and 2 (Area 1A)
- Work remains on schedule to be completed by June 9, 2025
- Regular construction coordination meetings are taking place with the Southern California Regional Rail Authority (SCRRA) and City of San Clemente (City)
- Coordinated public outreach efforts with SCRRA contractor and the City
- Cooperative agreement with the Los Angeles – San Diego – San Luis Obispo Rail Corridor Agency for the bus bridge services finalized



# Area 3 Mariposa Catchment Wall Activities

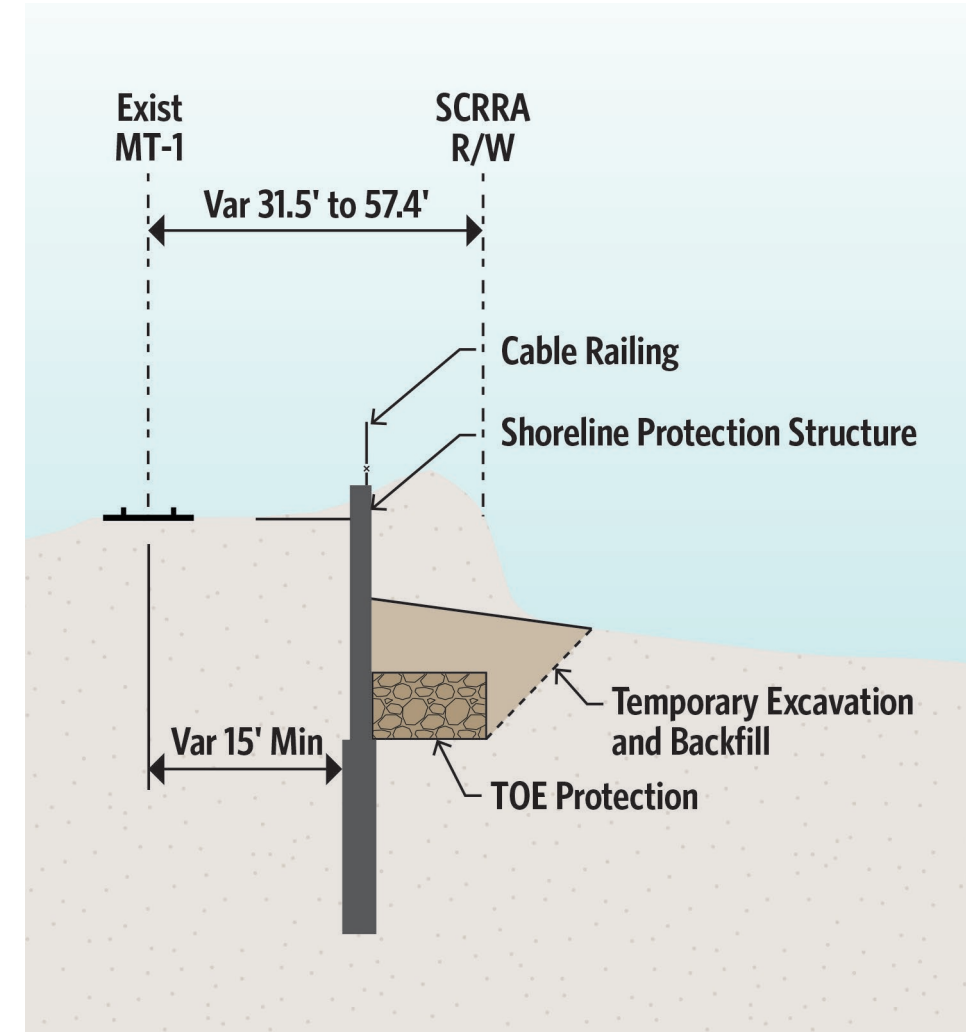
- California Transportation Commission allocated \$92.231 million on May 16, 2025
- Received revised proposal for independent geotechnical engineering services on May 8, 2025
- Proposal received from design-build contractor on May 7, 2025
  - Reviewed and submitted comments for clarification to design-build contractor on the proposal
  - Initiated design meetings with design-build contractor
  - Upon resolution of design and contractual questions, contract will be executed
- Cooperative agreement for construction support for Area 3 under review by SCRRA
- Coordination meetings with SCRRA and City on Area 3 project



RR – Railroad  
ROW – right-of-way

# Area 4 Shoreline Protection Structure Activities

- CCC does not recognize Area 4 as an emergency, no emergency Coastal Development Permit (CDP) will be issued
- Resume prior efforts to complete the pending CDP submitted in August 2024 and seek opportunities to expedite
- Met with CCC and discussed beach nourishment coastal sand modeling analysis
- Orange County Transportation Authority (OCTA) will complete the alternatives analysis (AA) and detail the reasons for each alternative considered
- OCTA will prepare a specific sand modeling report with the AA report



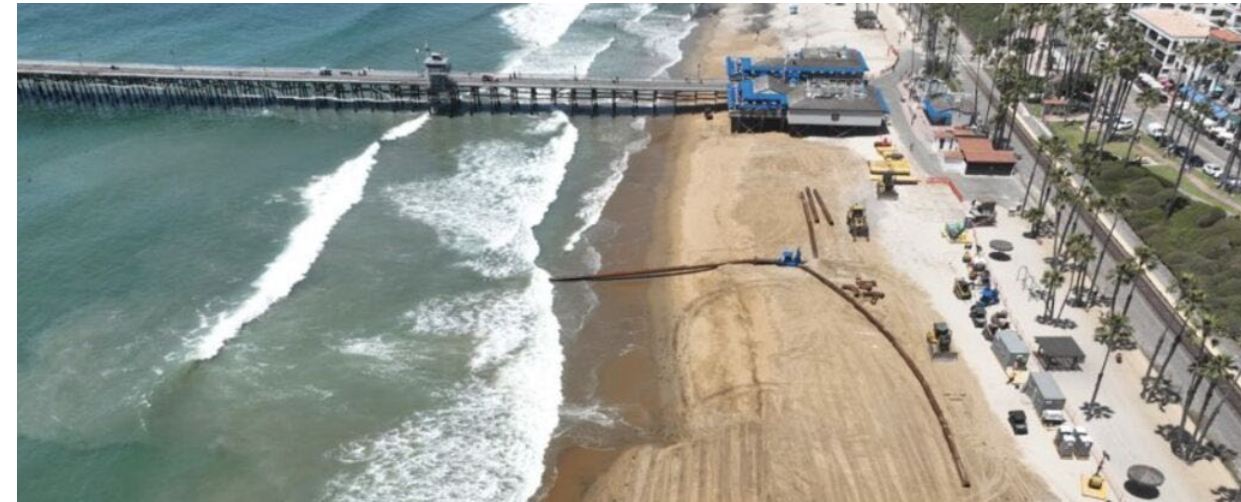
*Area 4 – Shoreline Protection Structure*

# Estimated Schedule

| Riprap Repair and Bridge Removal   |          |   |   |        |         |   |   |   |
|------------------------------------|----------|---|---|--------|---------|---|---|---|
| Estimated Number of Weeks          | 1        | 2 | 3 | 4      | 5       | 6 |   |   |
| Track Shutdown April 28            |          |   |   |        |         |   |   |   |
| Area 1                             |          |   |   |        | 2 Weeks |   |   |   |
| Area 1A                            |          |   |   | 1 Week |         |   |   |   |
| Area 2                             | 4 Weeks  |   |   |        |         |   |   |   |
| Area 3 (Bridge)                    | 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 completed. Staff to meet with four identified responsive firms. Next step following the meetings to further determine which firm would have the best capability and availability to meet the project schedule
- 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 technical studies submitted under the National Environmental Policy Act documentation
- OCTA is utilizing previous studies by the City to streamline the process, and has provided a draft cooperative agreement with the City for offshore sand exploration, which is being finalized
- OCTA is beginning marine environmental studies for beach nourishment
- Early Sand Nourishment Evaluation and Efforts:
  - Received material quotes for onshore sources for sand
  - Met with a contractor on early sand placement logistics
  - Coordinating onshore sand quality approval from Dredge Materials Management Team
- 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.