

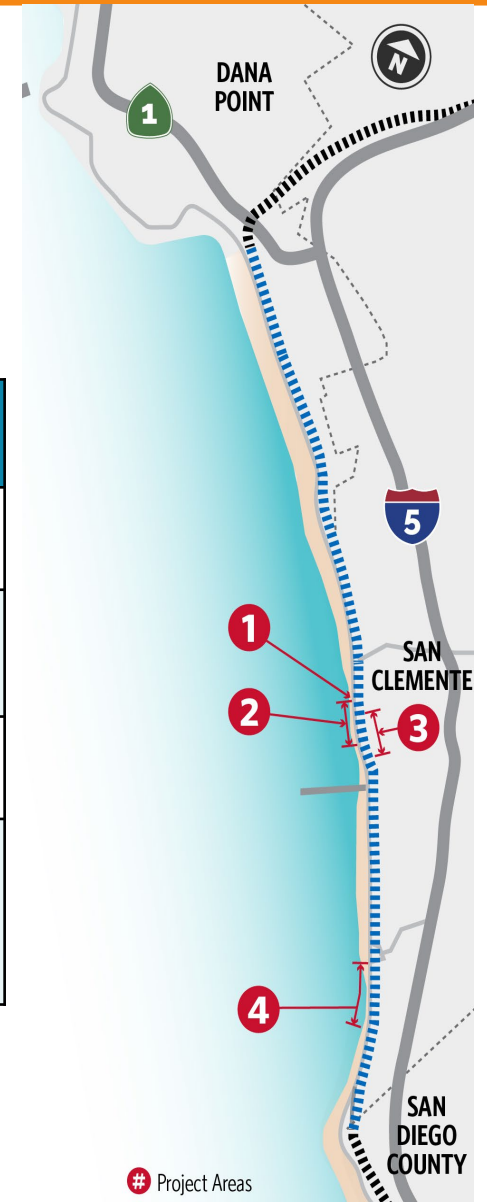
**Update on Emergency Need for Railroad Track  
Stabilization in the Vicinity of Mile Post 203.80 to 204.40  
and 206.00 to 206.70 on the Orange Subdivision**

# Coastal Rail Stabilization Priority Project

- Four priority 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



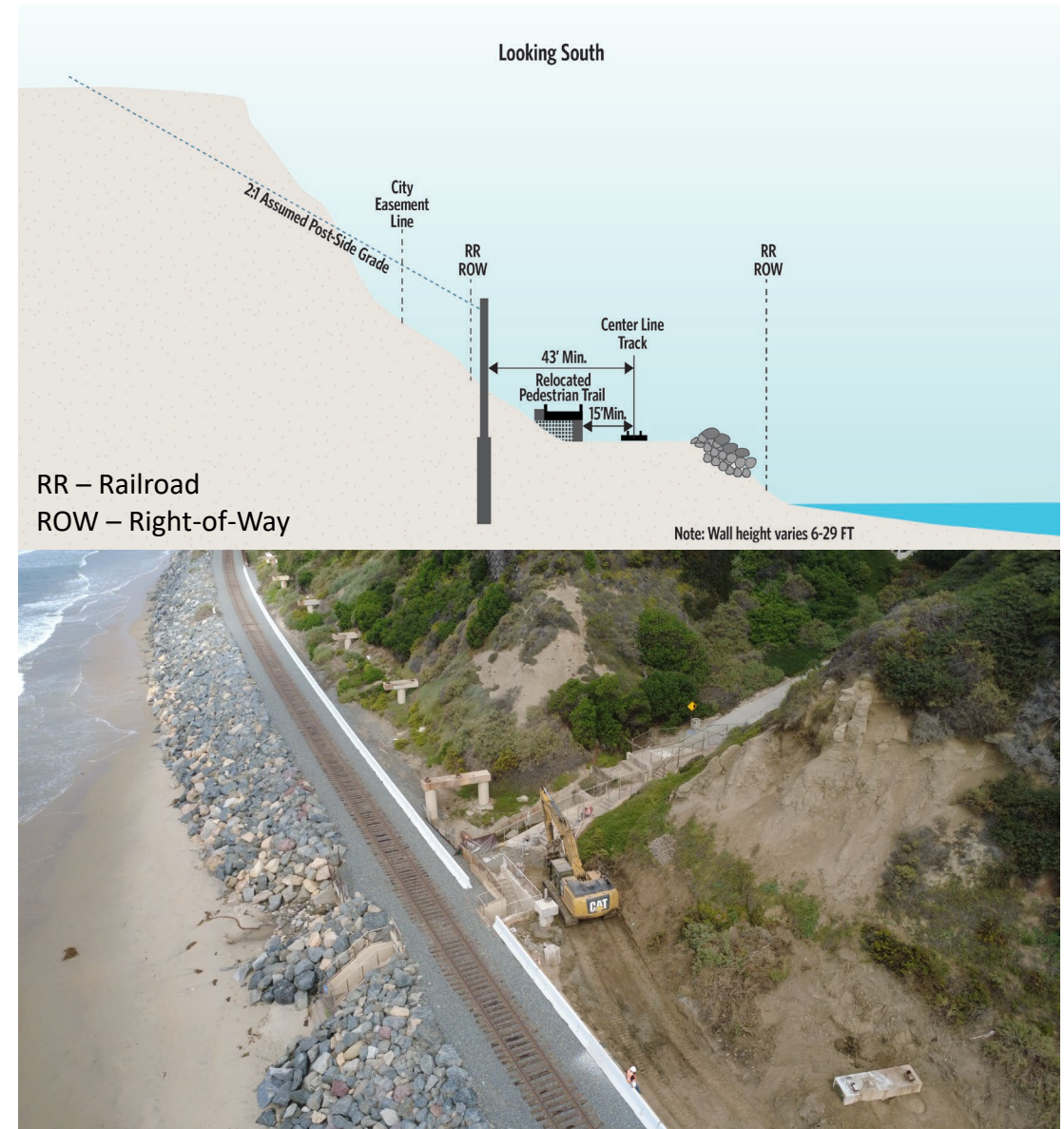
# Areas 1 and 2 Riprap Repair and Initial Sand Nourishment

- Riprap repair
  - All construction activities have been completed
  - Provided responses to the California Coastal Commission (CCC) on Emergency Coastal Development Permit (eCDP) conditions of approval for Areas 1 and 2
  - Staff is addressing CCC Notice of Incomplete letter which requested additional construction data and a sand nourishment schedule update
- Initial sand nourishment
  - Initial sand nourishment, completed on September 10, 2025, is part of the larger effort to place 240,000 CY of sand in Areas 1 and 2, as approved by the CCC



# Area 3 Mariposa Catchment Wall Activities

- California Transportation Commission (CTC) allocated \$92.231 million on May 16, 2025
- Executed contract with the design-build contractor, Condon Johnson & Associates (CJA) on June 16, 2025
  - CJA preparing final plans for construction
  - Structural steel column delivery now expected in late October 2025, 30 days later than expected
  - Construction activities (pedestrian bridge pier removal, site clearing, and grubbing) started on September 15, 2025
  - Survey of existing ground conditions completed by CJA
- CCC approved wall aesthetics



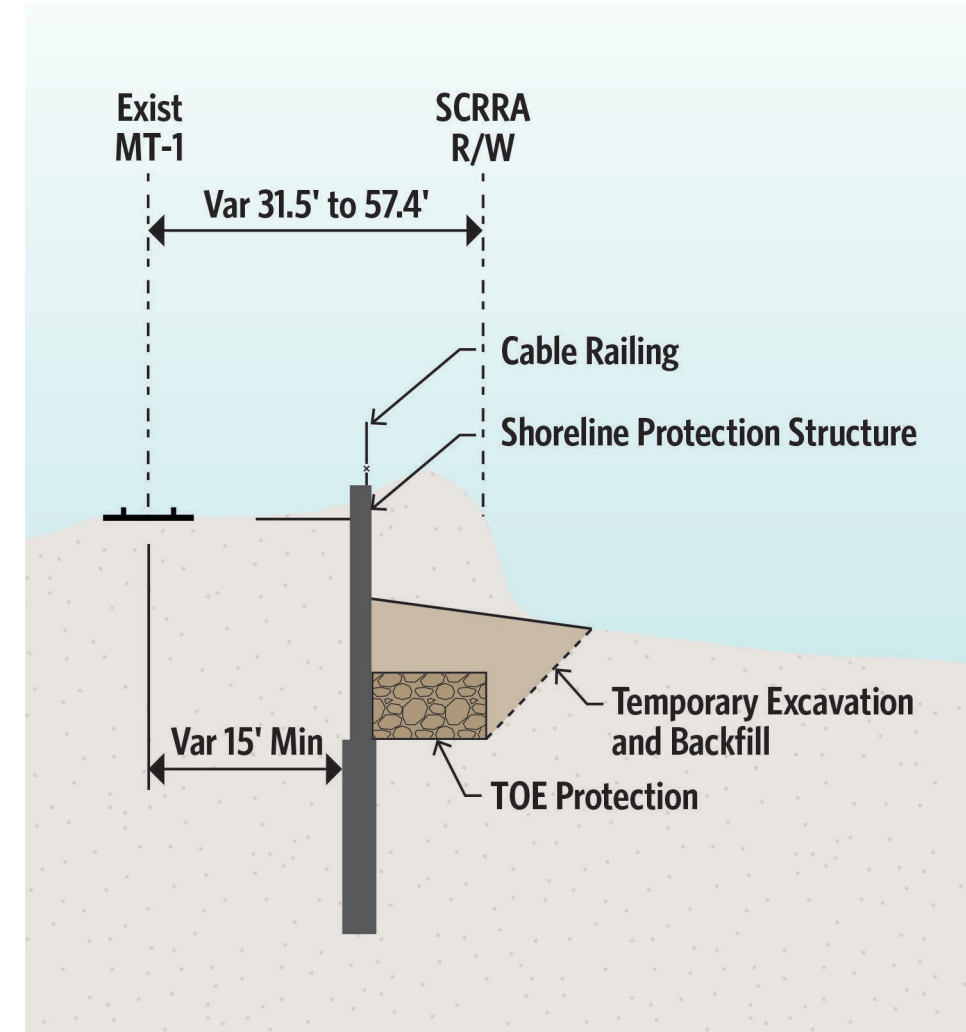
# Area 3 Catchment Wall



Concept Rendering:  
CCC approved this design

# Area 4 Shoreline Protection Structure Activities

- A CDP for geotechnical investigation testing was submitted to CCC on July 2, 2025, and was approved through a waiver on August 15, 2025
- Submitted a Right of Entry Permit to Metrolink for the geotechnical investigation on September 29, 2025
- Geotechnical field investigations are planned in October 2025 for validation of conceptual design
- CCC to consider a CDP for Area 4 at future CCC meeting (date to be determined)



*Area 4 – Shoreline Protection Structure*

# Estimated Remaining Schedule

Area 3 Mariposa Catchment Wall Activities													
Estimated Number of Months	1	2	3	4	5	6	7	8	9	10	11	12	13
Contract Duration													
Notice to Proceed (June 17, 2025)													
Final Design	2 Months												
Steel Procurement		4 Months											
Construction					10 Months								

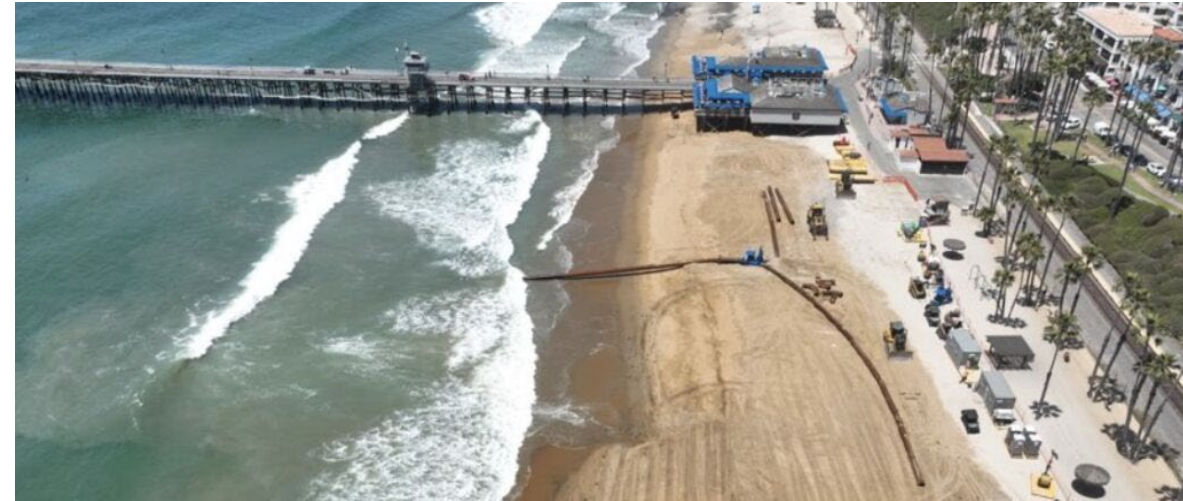
Area 4 Shoreline Protection Structure Construction										
Estimated Number of Months	1	2	3	4	5	6	7	8	9	10
Area 4 - Shoreline Protection Structure	8 Months									

Sand Nourishment Construction										
Estimated Number of Months	1	2	3	4	5	6	7	8	9	10
Sand Nourishment	9 Months									

North Beach and Area 1 initial sand nourishment is complete  
Areas 4 schedule is TBD depending on environmental and permit approvals  
Sand nourishment schedule is TBD depending on environmental and permit approvals

# Sand Nourishment

- The Orange County Transportation Authority (OCTA) is securing federal environmental clearance for offshore sand source dredging and placement of sand for Areas 1, 2, and 4
- U.S. Army Corps of Engineers will be the lead agency for the environmental process
- OCTA is utilizing previous studies by the City of San Clemente to streamline the process
- Collaborative city offshore sand exploration is completed with Surfside Sunset as a viable offshore source, pending lab testing
- Marine environmental studies for beach nourishment are underway
- Preliminary schedule (subject to change):
  - Environmental and final design approvals: Anticipated Q4 of 2026
  - Procure sand nourishment contractor: Anticipated Q4 of 2026
  - Bids due date: Anticipated Q4 of 2026
  - Contract award and notice to proceed: Anticipated Q1 of 2027
  - Project completion: Anticipated in 2027



*Pictures from San Clemente Sand Replenishment Project*

# Contract Commitments as of October 1, 2025

Area	Entity	Agreement	Value
Area 1, 2, & 3 (Bridge Removal)	Southern California Regional Rail Authority (SCRRA)	Cooperative agreement	\$8,238,000 (Direct Allocation by CTC)
Area 1, 2, & 3 (Bridge Removal)	Los Angeles – San Diego – San Luis Obispo Rail Corridor Agency	Cooperative agreement for bus bridge	\$565,000
Area 1 & 2	Joshua Grading & Excavating, Inc.	Construction contract for early sand placement	\$879,000
Area 3	SCRRA	Cooperative agreement for rail support	\$4,500,000 (Direct Allocation by CTC)
Area 3	Kleinfelder, Inc.	Contract for Independent Geotechnical Review	\$50,000
Area 3	CJA	Design-build contract	\$46,196,198
Area 1, 2, & 4	City of San Clemente	Cooperative agreement to partially fund offshore sand exploration	\$180,000
Area 1, 2, 3 & 4	Mott MacDonald	Program management consultant services to provide environmental clearances, design, permitting, construction management, and project management	\$6,442,470
		Total:	\$67,050,668

# Recommendation

**Reaffirm Resolution No. 2025-068 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 203.80 to 204.40 and 206.00 to 206.70 on the Orange Subdivision, and to return to the Board of Directors, as required, to report on the status thereof.**