

Orange County Transportation Authority

Upcoming Projects & Contracting Opportunities
ACEC Orange County – February 26, 2025

What is OCTA?



Complete Streets

- Active transportation
- Signal synchronization
- OC Bridges
- City formula funding
- Local competitive grants funding



Transit

- OC Bus and paratransit
- OC Streetcar
- OC Flex microtransit
- Community-based transit
- Metrolink
- LOSSAN managing agency



Sustainability

- Zero-emission bus
- Air quality initiatives
- Innovative wildlife and habitat mitigation and preservation
- Water-quality grants
- Climate resiliency planning



Highways

- Measure M projects
- HOV lanes
- General-purpose lanes
- Tolled express lanes
- Motorist services



Updated Measure M2 Financial Framework



- Revenue:
 - \$14.0 billion of M2 funds
 - \$3.9 billion of external funds
- Investment of \$5.6 billion into local transportation system over ten years
- Conservative debt service coverage ratios
- No additional bond issuances



ENVIRONMENTAL

-  A total of 5% of OC Go Freeway Program funds is allocated to the Freeway Environmental Mitigation Program
-  A total of 2% of the overall OC Go Program funds is allocated to the Environmental Cleanup Program

Next 10 Delivery Plan Deliverables Summary



Freeways

- Deliver 13 freeway projects
- Continue annual endowment deposits

Streets and Roads

- Return 18 percent to local agencies for transportation needs
- Provide annual grants to address street bottlenecks and gaps
- Fund ongoing coordination of 2,400 traffic signals

Transit

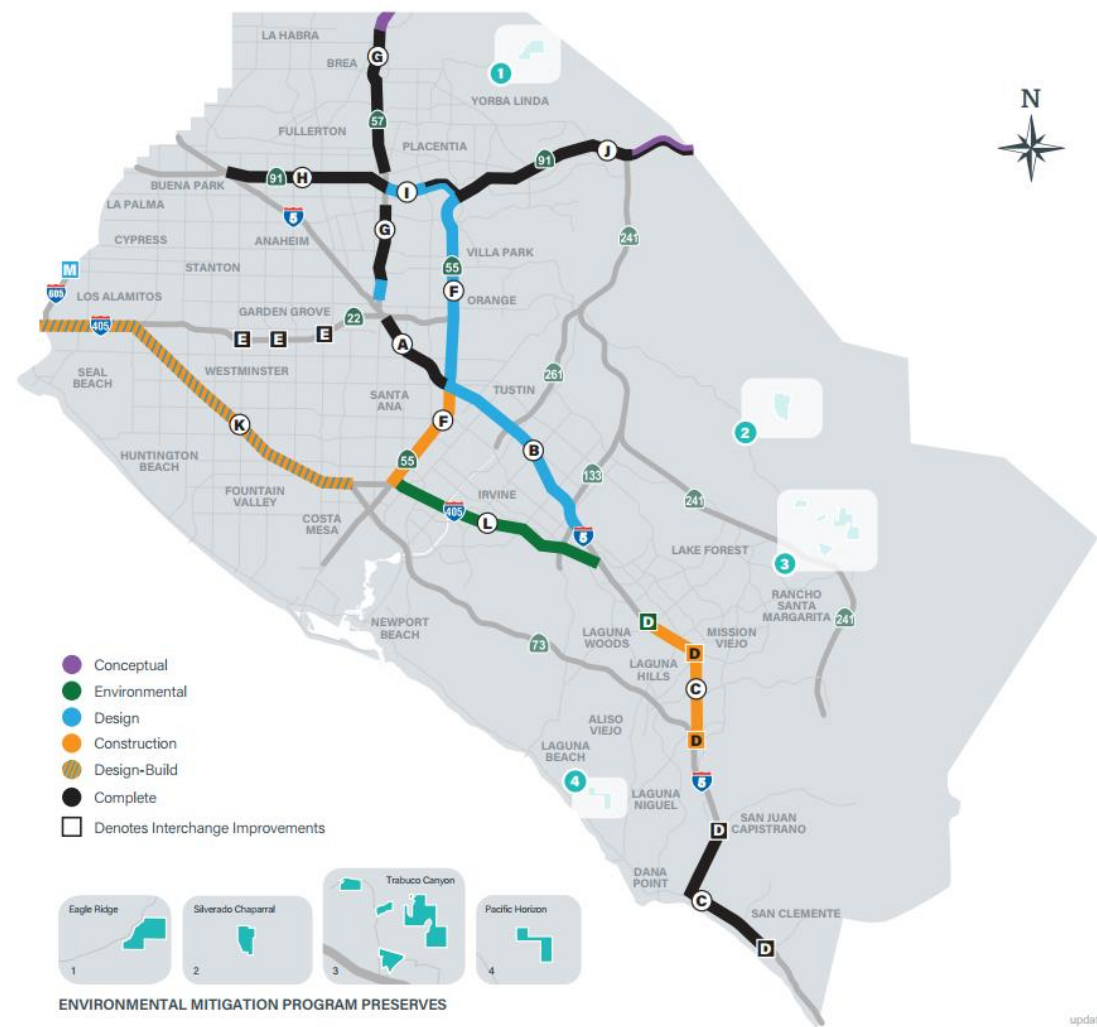
- Continue operation of Metrolink
- Complete OC Streetcar construction and begin operations
- Offer enhanced mobility options for seniors and persons with disabilities
- Continue to support local transit circulators
- Continue to improve the top 100 busiest transit stops

Environmental Cleanup

- Provide ongoing grants for water cleanup



Measure M2 Freeway Projects Map



updated 9.20.22

- A** I-5 (SR-55 to SR-57)
 - B** I-5 (I-405 to SR-55)
 - C** I-5 (Avenida Pico to San Juan Creek Road)
 - C** I-5 (SR-73 to El Toro Road)
 - D** I-5/Ortega Highway Interchange Improvements
 - D** I-5/El Toro Road Interchange Improvements
 - E** SR-22 Access Improvements
 - F** SR-55 (I-405 to I-5)
 - F** SR-55 (I-5 to SR-91)
 - G** SR-57 NB (Orangewood Avenue to Katella Avenue)
 - G** SR-57 NB (Katella Avenue to Lincoln Avenue)
 - G** SR-57 NB (Orangethorpe Avenue to Lambert Road)
 - G** SR-57 NB (Lambert Road to County Line)
 - H** SR-91 WB (I-5 to SR-57)
 - I** SR-91 (SR-57 to SR-55)
 - I** SR-91 WB (Tustin Avenue to SR-55)
 - J** SR-91 (SR-55 to SR-71)
 - J** SR-91 (SR-241 to I-15)*
 - K** I-405 (SR-73 to I-605)
 - L** I-405 (I-5 to SR-55)
 - M** I-605/Katella Avenue Interchange Improvements
 - N** Freeway Service Patrol (not mapped)
 - A-M** Environmental Mitigation Program
 - 1,300 acres of permanent open space
 - 12 restoration projects totaling nearly 350 acres (not mapped)
- *Project environmentally reviewed as part of the Riverside County Transportation Commission's Corridor Improvement Project. Additional studies needed prior to construction.

- SR-91 from Lakeview Avenue to SR-57
 - Segment 1: Lakeview Avenue to SR-55
 - Segment 2: SR-55 to La Palma Avenue (*CM opportunity*)
 - Segment 3: La Palma Avenue to Acacia Street
- I-605/Katella Avenue Interchange
- I-5 from I-405 to SR-55
 - Segment 1: I-405 to Yale Avenue (*CM opportunity*)
 - Segment 2: Yale Avenue to SR-55
- SR-57 from Orangewood Avenue to Katella Avenue
- SR-55 from I-5 to SR-91 (*CM opportunity*)

SR-91 (Lakeview Avenue to SR-55)

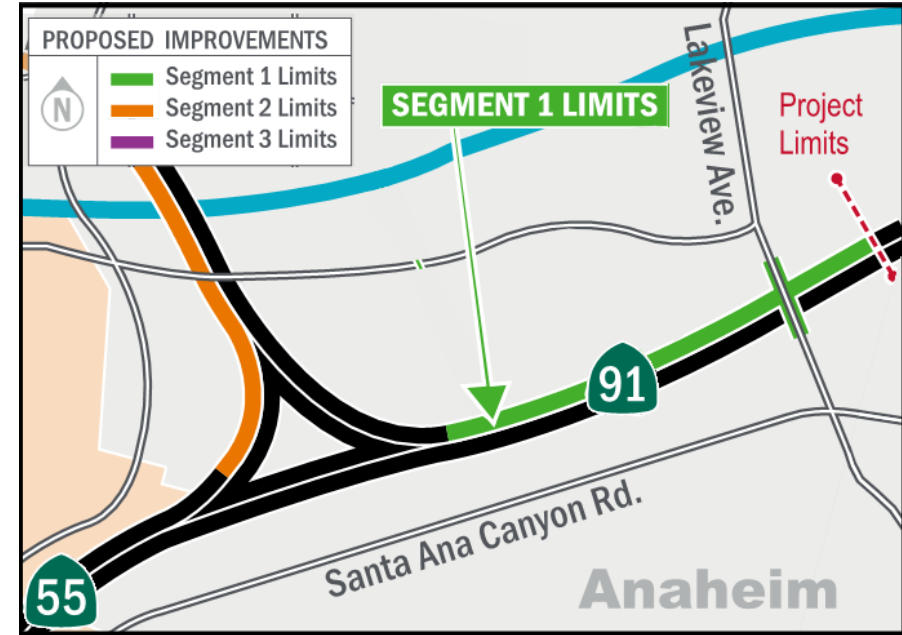


- Scope

- Realigns westbound on-ramp to direct traffic to westbound SR-91
- Adds new ramp from Lakeview overcrossing connecting directly to southbound SR-55
- Separates westbound SR-91 from southbound SR-55

- **Construction ~ \$80 million**

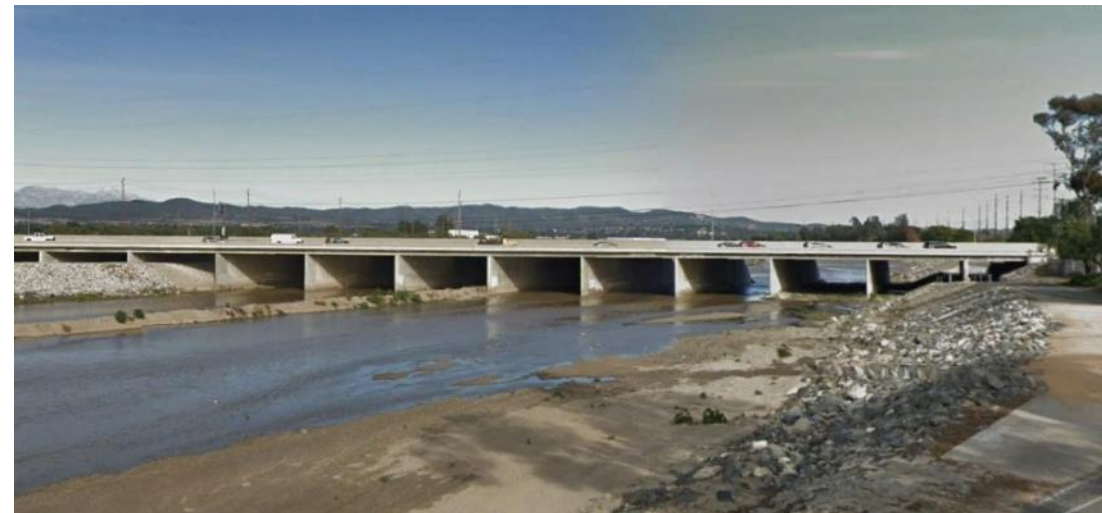
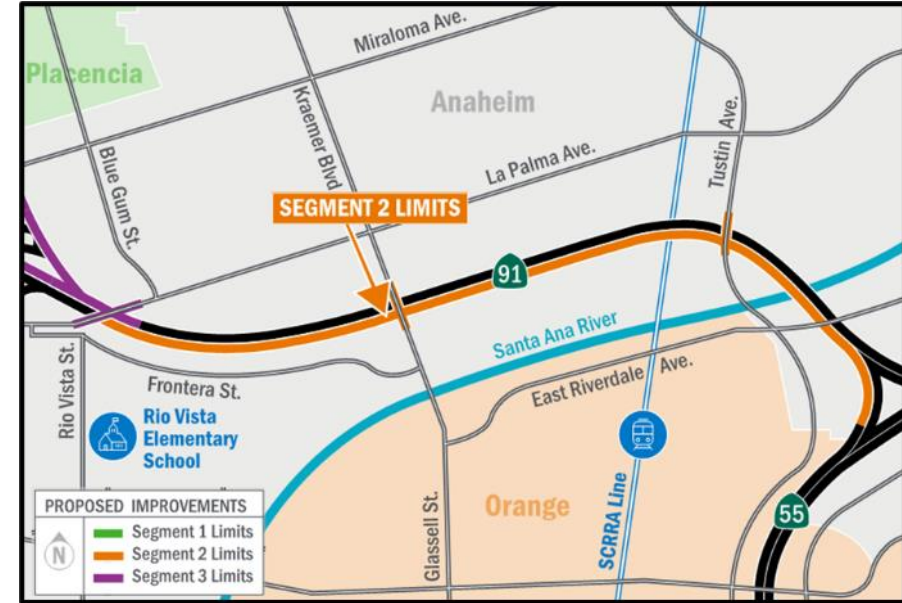
- **Contract Awarded to Granite**



SR-91 (La Palma Avenue to SR-55)



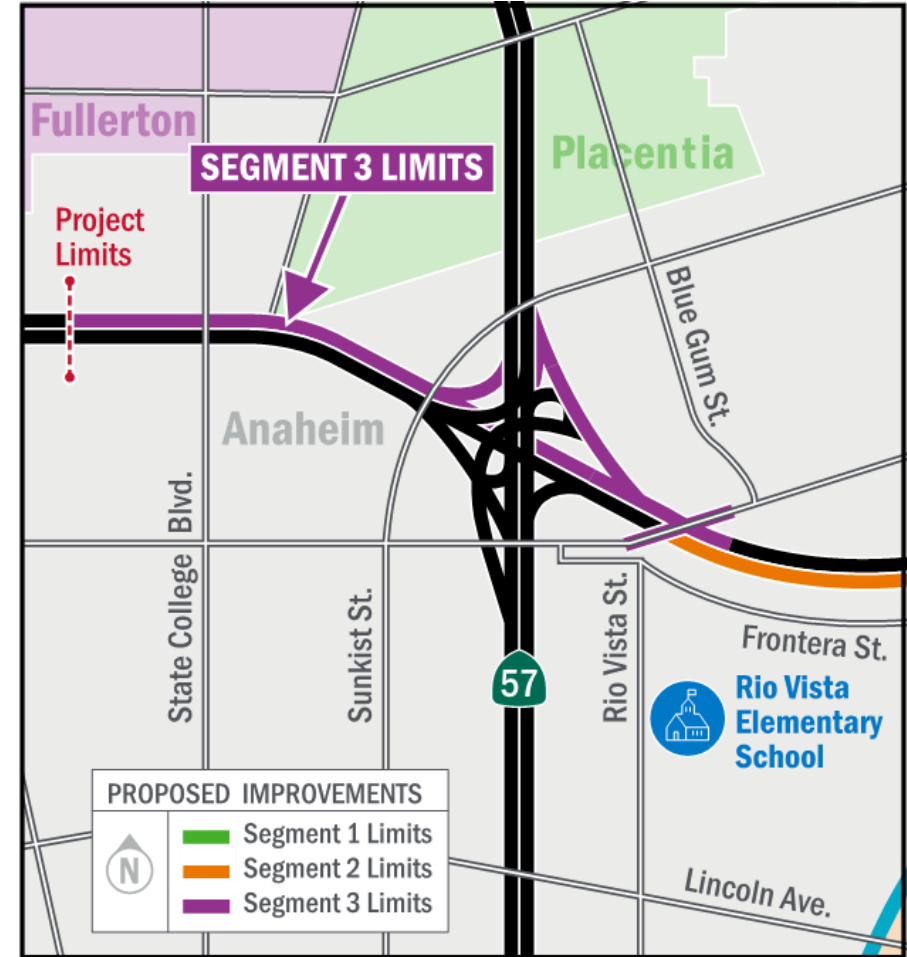
- Scope
 - Adds eastbound general-purpose lane between SR-57 and SR-55
 - Replaces the Kraemer Boulevard/Glassell Street and Tustin Avenue overcrossings
 - Widens the Santa Ana River bridge
- **Construction ~ \$175 million**
- **CM RFP Release May 2025**



SR-91 (Acacia Street to La Palma Avenue)



- Scope
 - Improves weaving from westbound SR-91 to SR-57
 - Add an auxiliary lane from WB SR-91/ NB SR-57 to State College Boulevard
 - Replaces La Palma Avenue overcrossing
- **Construction ~ \$120 million**
- **IFB Release April 2025**



I-605/Katella Avenue Interchange

- Scope
 - Operational improvements to ramps and Katella Avenue
 - Improved pedestrian and bike connectivity
- **Construction ~ \$25 million**
- **Apparent Low Bidder is Ortiz**



I-605 | Katella
INTERCHANGE



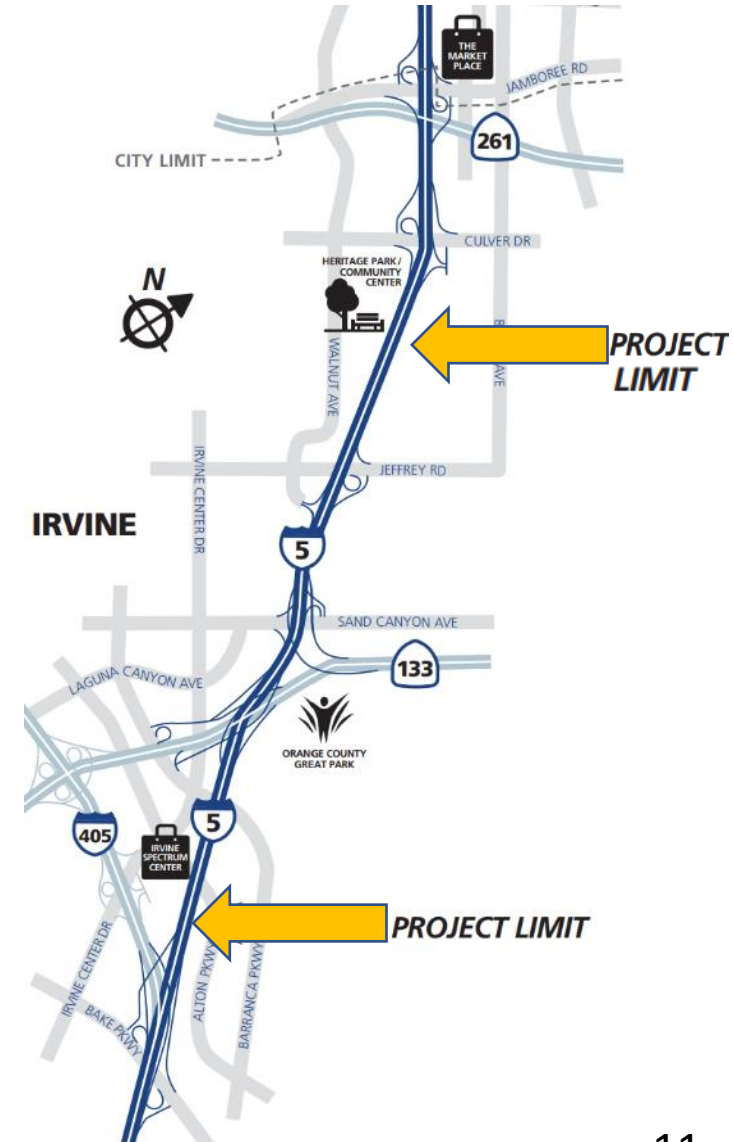
Safer. Smarter. Smoother.



— Project Limits

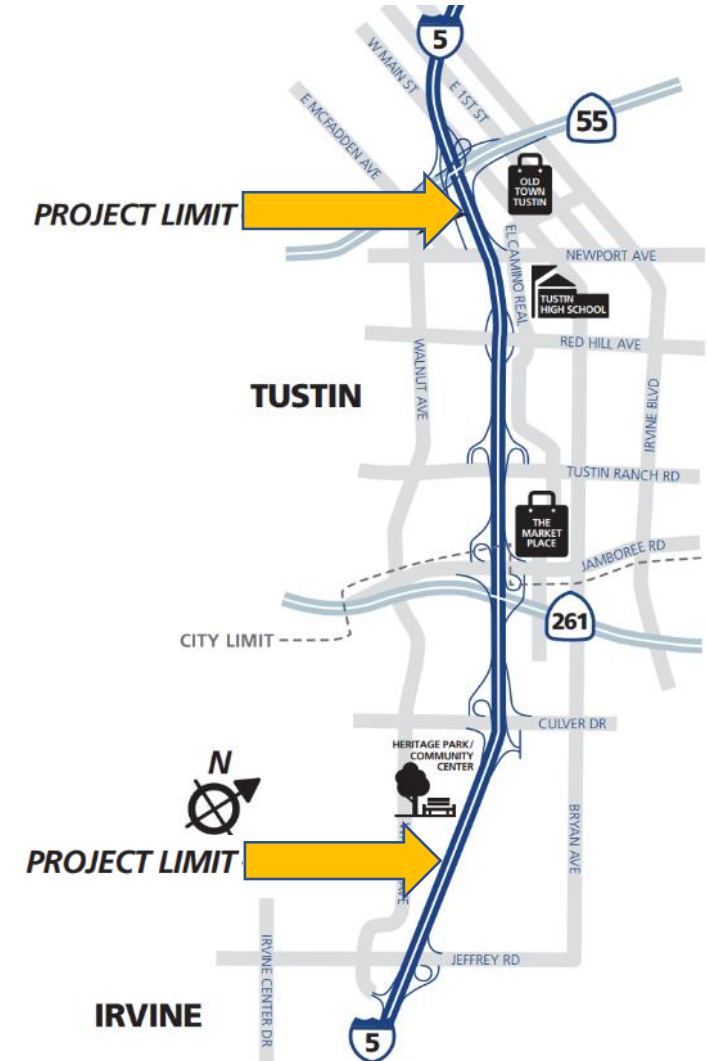
I-5 (I-405 to Yale Avenue)

- Scope – 4.5 miles
 - Adds general purpose lane in each direction
 - Interchange improvements
 - Continuous HOV access
- **Construction ~ \$180 million**
- **CM RFP Release April 2025**



I-5 (Yale Avenue to SR-55)

- Scope – 4.5 miles
 - Adds general purpose lane in each direction
 - Interchange improvements
 - Continuous HOV access
- **Construction ~ \$190 million**
- **CM RFP Procurement in Process**



Northbound SR-57 (Orangewood to Katella)

- Scope – 1 mile
 - Extends fifth general purpose lane
 - Retains auxiliary lane between Orangewood and Katella
 - Improves on- and off-ramps
 - Improves merge movements
 - Length: 1 mile
- **Construction ~ \$90 million**
- **IFB Release May 2025**



SR-55 (I-5 to SR-91)

- Scope

- Adds one lane in each direction between I-5 and SR-22
- Improves off-ramps at Fourth Street and southbound Katella Avenue off-ramp
- Relocates southbound Lincoln Avenue/Tustin Street off-ramp

- **Construction ~ \$105 million**

- **CM RFP Release August 2025**



New Bridge over Lincoln Avenue



The main graphic is a large teal shield shape on the left side. Inside the shield, the number "405" is written in a large, white, bold, sans-serif font. To the right of the shield, the words "Express" and "Lanes" are stacked vertically in a bold, teal, sans-serif font. The "Express" text is on the top line, and "Lanes" is on the bottom line, both aligned to the right of the shield's edge.

405 Express Lanes: Smart, Fast, Reliable

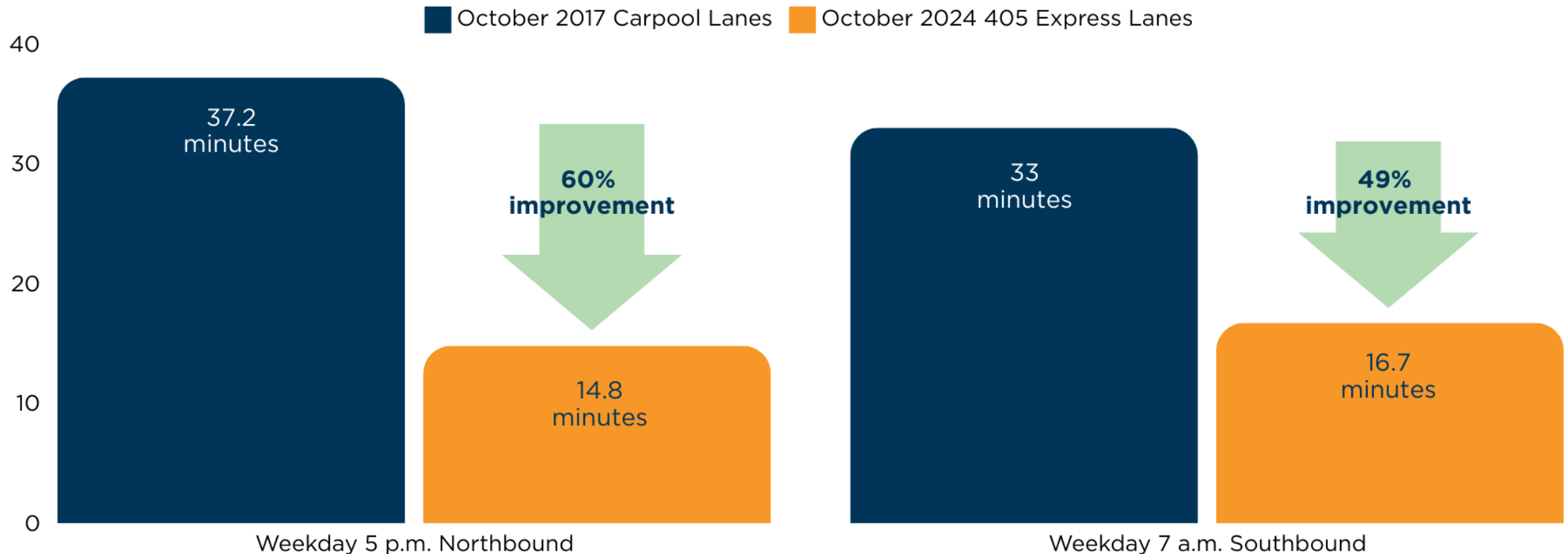


Significant Time Savings

Drivers save up to 22 minutes on weekdays and 24 minutes on weekends compared to the carpool lanes that existed prior to construction.

Reliable Commutes

The 405 Express Lanes offer consistent, 15-minute trips, making it easier for drivers to plan ahead.



Improved Travel Times for All

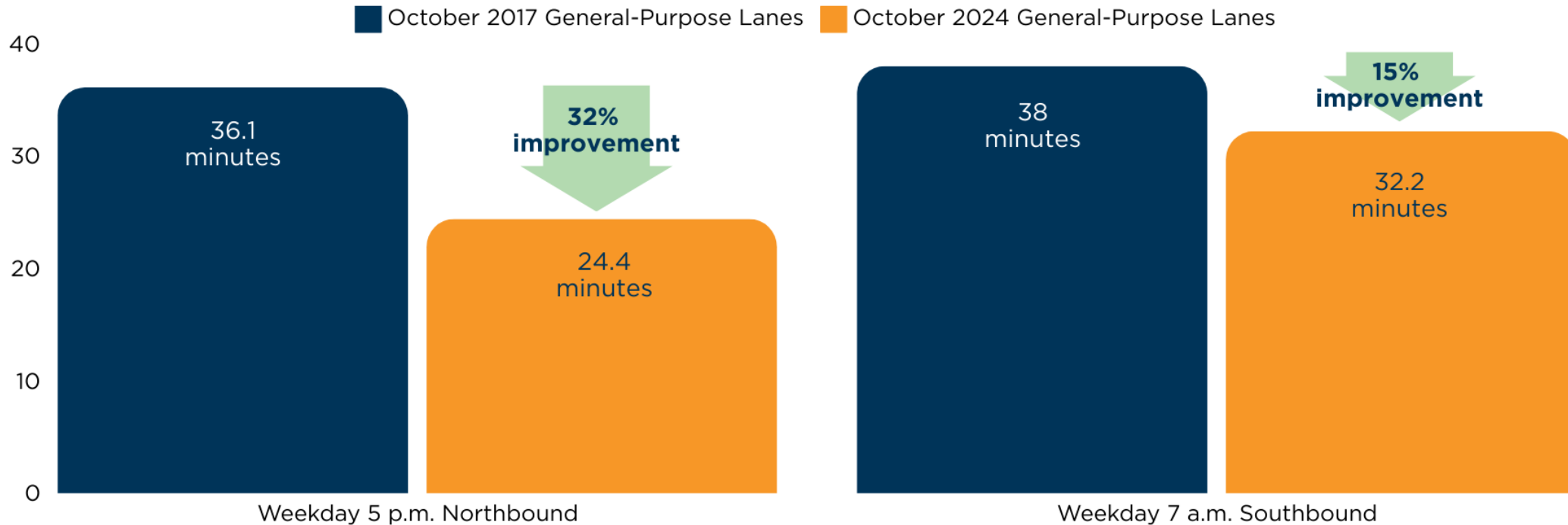


Improved Commutes

Travel times on the general-purpose lanes are now up to 12 minutes faster on weekdays and up to 17 minutes faster on weekends.

Improved Efficiency

The freeway is now able to move more people while maintaining shorter travel times, demonstrating the project's success.



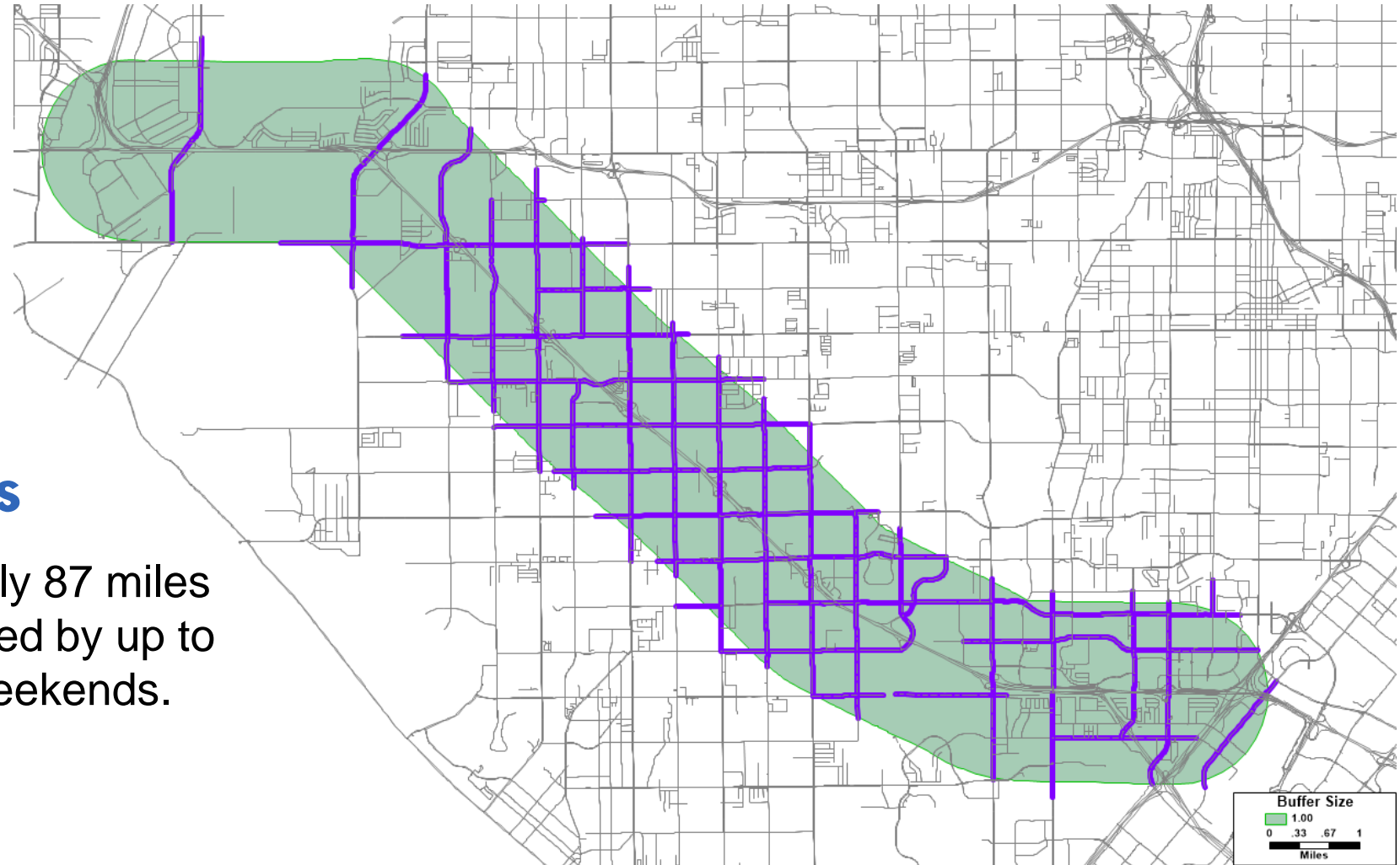
Travel times measured between SR-73 and I-605

I-405 Project Benefits: Beyond the Freeway



Improved Local Streets

Average speeds on approximately 87 miles of nearby arterial streets increased by up to 12% on weekdays and 9% on weekends.



Transit Projects

OC Streetcar



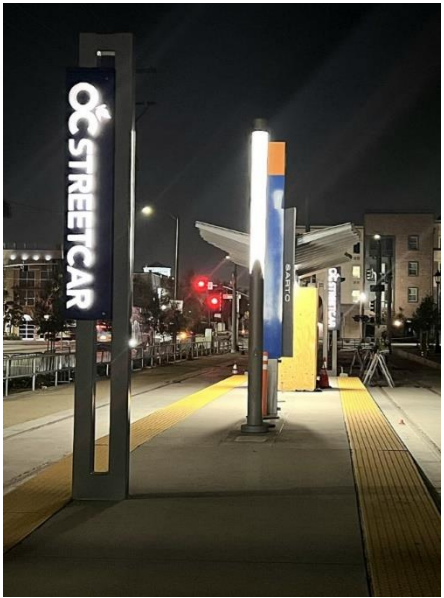
LEGEND

- Streetcar Route
- Operations and Maintenance Facility
- LOSSAN Rail Corridor
- Santa Ana Regional Transportation Center

Proposed Stop

1 Santa Ana Regional Transportation Center	4 Sycamore Street	7 Bristol Street	10 Harbor Boulevard
2 Lacy Street	5 Ross Street	8 Ralitt Street	
3 French Street	6 Flower Street	9 Fairview Street	

NORTH



Coastal Rail Projects

1

Coastal Rail Stabilization Priority Project

immediate needs

- **Address imminent threats to maintain rail operations**
- **Four reinforcement areas identified as top priority**
- **Project includes armoring and sand replenishment**
- **\$305 million in state and federal funds secured**
- **Construction to begin as early as 2026**

2

Coastal Rail Resiliency Study

short- to mid-term solutions

- Develop options to protect full seven miles of coastal rail infrastructure
- Assess climate impacts on coastal rail line
- Identify potential solutions
- Engage key stakeholders and agencies
- Study expected early 2026

3

Coastal Rail Long-Term Solutions Study

- State-led study
- Develop options for long-term solutions including potential rail line relocation
- Create an action plan for key elements
- Partner with LOSSAN, state, and federal agencies
- Engage key stakeholders

Coastal Rail Stabilization Priority Project

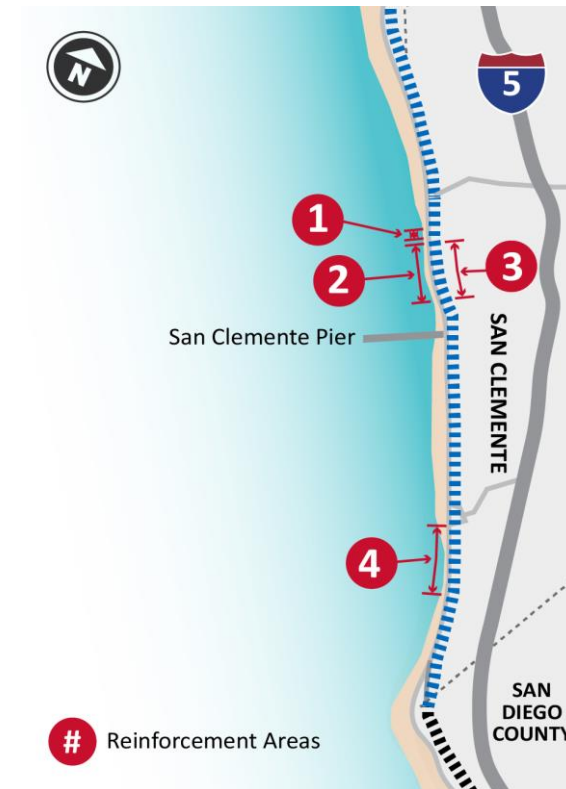


- Four reinforcement areas were identified in January 2024
- Potential solutions evaluated at a conceptual level considering different materials, performance, costs, methods, and schedule

Area	Location (MP)	Challenge	Potential Solutions*
1	203.80 – 203.90	Ongoing deterioration of existing riprap protection	Armoring and sand nourishment
2	204.00 – 204.40	Erosion - no beach at high tide and direct wave attack damaging existing riprap protection	Armoring and sand nourishment
3	204.00 – 204.50	Steep bluffs with high potential for failure that could impact rail infrastructure	Catchment structure
4	206.00 - 206.67	Near San Clemente State Beach - erosion exposing areas of limited to no riprap protection	Armoring and sand nourishment

*Range of solutions to be evaluated with Alternative Analysis (AA).

MP – Mile Post



Preliminary concepts; assumptions are subject to change as more information becomes available.

Reinforcement Areas 1 through 4

Areas 1 and 2



Area 3



Area 4



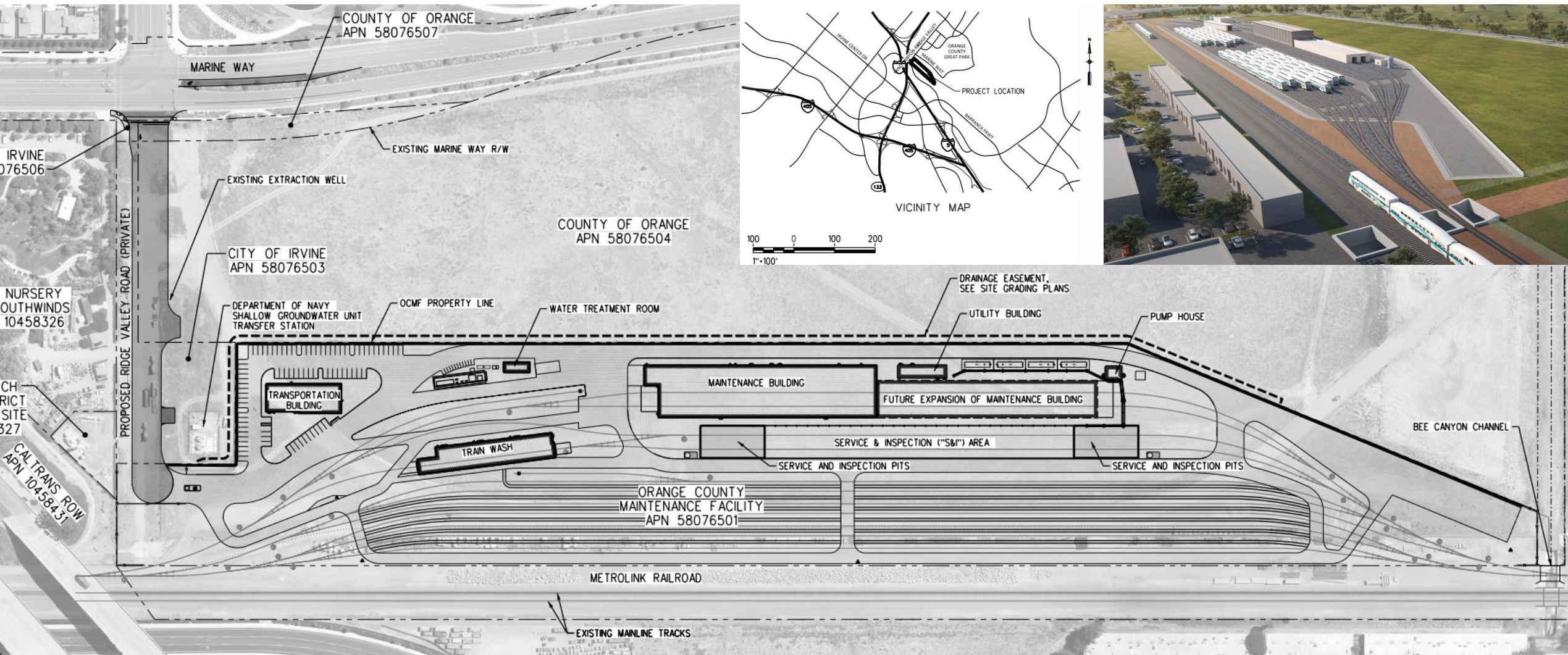
Rail Projects

Slope Stabilization Phase II

- Scope
 - Erosion protection grading and shotcrete on slopes in Lake Forest, Mission Viejo, Laguna
 - Drainage improvements
 - Access Road improvements
- Metrolink IFB Release
March 2025



Orange County Maintenance Facility (OCMF)

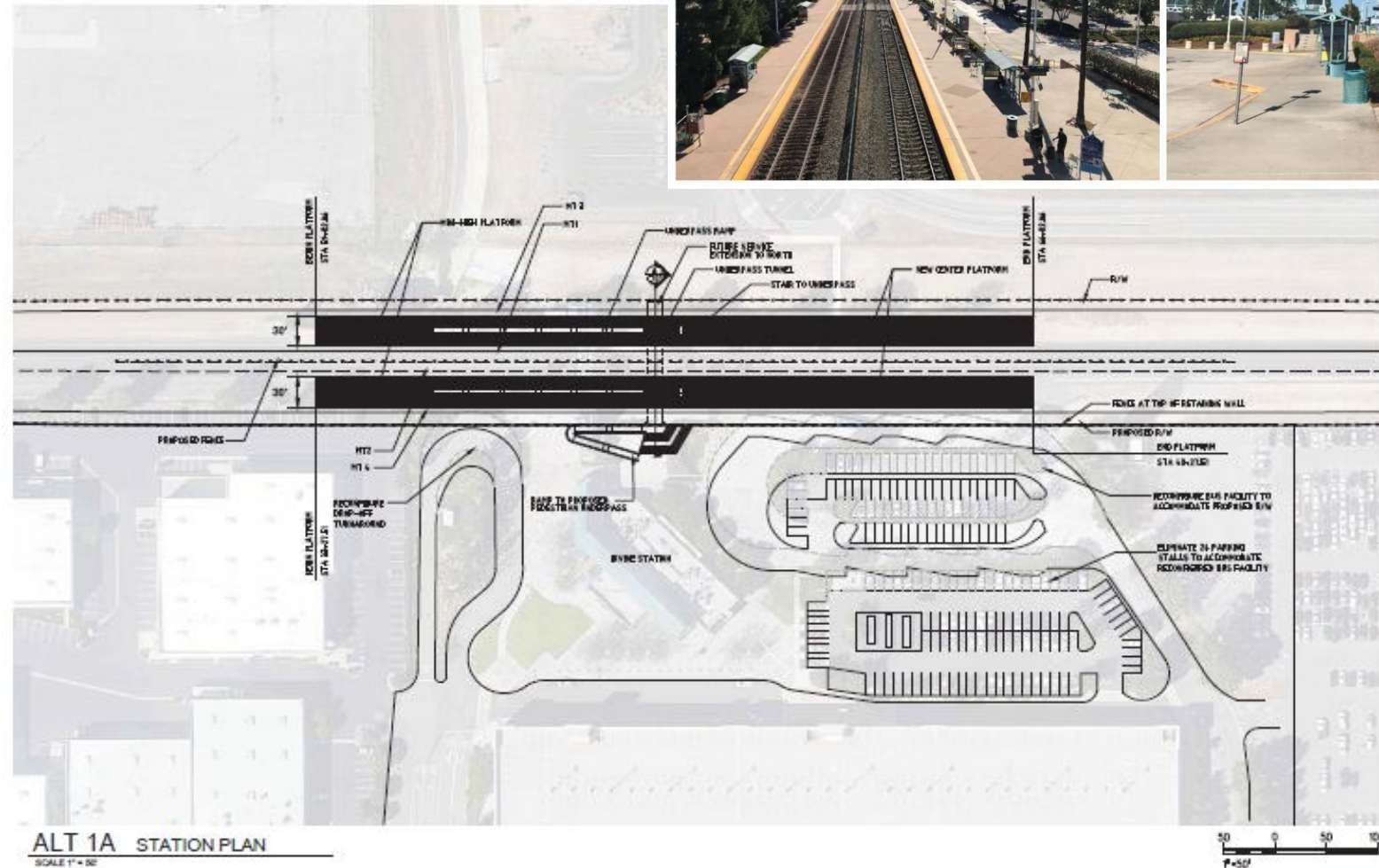


- 21 acres acquired by OCTA
- OCTA environmental lead
- Environmental clearance Oct 2023

- City of Irvine Conditional Use Permit
- Metrolink design and construction lead
- SCORE funded

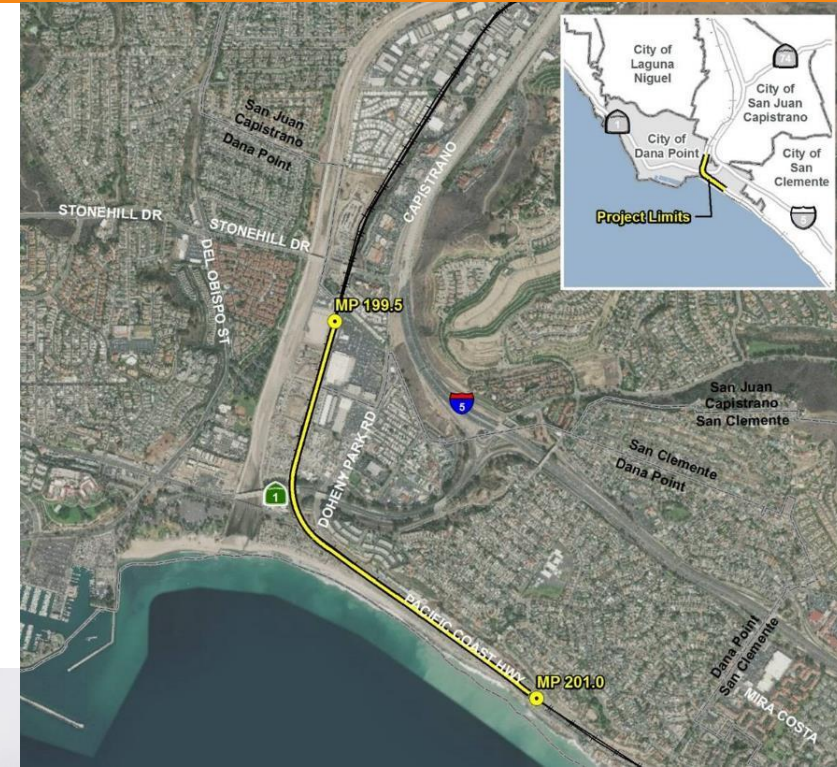
Irvine Station Improvements

- OCTA environmental clearance lead
- Creates second platform, center access (3 or 4 track?)
- Pedestrian underpass with platform access
- Adjacent grade separation projects coordination
- **Environmental clearance pending coordination with City.**



Serra Siding Extension

- Estimated project cost \$50 million
Based on preliminary design
- Extends 1.2 miles of siding track
- Replaces wooden ties with concrete ties
- Replaces ≈100-year-old railroad bridge over Coast Highway with two single-track bridges
- Adds fencing along Coast Highway
- Active transportation access
- Retaining walls/culvert extensions
- **Environmental clearance pending coastal rail and community discussions**



Upcoming Contract Opportunities

Upcoming Contract Opportunities



Visit cammnet.octa.net for all upcoming opportunities – updated on 2/10/25

	Project	Service	Approx. Value	Anticipated RFP Release/ Const. Advertise. Date	Contact
1	RFP for Solar Photovoltaic Panels Installation at Bus Bases	Design and Enviro.	\$2 million	February 2025	George Olivo
2	OC Strategic Rail Plan	Planning	\$475,000	February 2025	Rebekah Soto
3	Mobility Hubs Conceptual Operations	Planning	\$300,000	February 2025	Ivy Hang
4	Installation of BEB Chargers at SA Bus Base	Construction	\$4,000,000	March 2025	George Olivo
5	Coastal Rail Stabilization Priority Project Area 3 - Catchment Wall	Design Construction	TBD	March 2025	Jason Lee
6	RFP for Hydrogen Fueling Station at Garden Grove Bus Base	CM	\$1.5 million	March 2025	George Olivo
7	Slope Stabilization Phase 2	Construction	\$4.5 million	March 2025	Jason Lee
8	I-5 from I-405 to Yale Ave (Segment 1)	CM	\$18 million	April 2025	Josue Vaglienty
9	2677 N Main Building Improvements	CM	TBD	April 2025	Steven King

Notes:

1. Project to be advertised by Caltrans.
2. Pending Board direction or budget approval.
3. Pending external agency approval
4. May be delayed and pending ROW process.

Upcoming Contract Opportunities



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	Project	Service	Approx. Value	Anticipated RFP Release/ Const. Advertise Date	Contact
10	SR-91 from Acacia St to La Palma Ave (Segment 3) ¹	Construction	\$129 million	April 2025	Caltrans
11	SR-91 from La Palma Ave to SR-55 (Segment 2)	CM	\$15 million	May 2025	Jeannie Lee
12	ZEV Transition Plan	Planning	\$400,000	May 2025	Jorge Duran
13	OC Connect	PS&E	TBD	May 2025	Steven King
14	NB SR-57 from Orangewood to Katella ¹	Construction	\$90 million	May 2025	Caltrans
15	Coastal Rail Stabilization Priority Project Area 3 - Catchment Wall	CM	TBD	June 2025	Jason Lee
16	I-5 from Yale Ave to SR-55 (Segment 2) ¹	Construction	\$190 million	July 2025	Caltrans
17	SR-91 from La Palma Ave to SR-55 (Segment 2) ¹	Construction	\$141 million	August 2025	Caltrans
18	I-5 from I-405 to Yale Ave (Segment 1) ¹	Construction	\$180 million	August 2025	Caltrans
19	SR-55 from I-5 to SR-91	CM	\$8 million	August 2025	Jeannie Lee

Notes:

1. Project to be advertised by Caltrans. 2. Pending Board direction or budget approval. 3. Pending external agency approval 4. May be delayed and pending ROW process.

Upcoming Contract Opportunities



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	Project	Service	Approx. Value	Anticipated RFP Release/ Const. Advertise Date	Contact
20	SR-55 from I-5 to SR-91 ¹	Construction	\$88 million	July 2026	Caltrans
21	ITS Strategic Deployment Plan Update	Planning	\$150,000	TBD	Amy Tran
22	Trabuco Rose Gully Repair	Construction	\$500,000	TBD	Lesley Hill/Josue Vaglienty

Notes:

1. Project to be advertised by Caltrans. 2. Pending Board direction or budget approval. 3. Pending external agency approval 4. May be delayed and pending ROW process. **33**