

Orange County Transportation Authority

Darrell E. Johnson, Chief Executive Officer
Jim Beil, Executive Director Capital Programs

Construction Network • Oct. 3, 2023



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



**Orange County's
Regional
Transportation
Planning &
Funding Agency**

**Delivering a
Balanced
Transportation
System**



Sustainability



Transit



Highways



**Complete
Streets**

Measure M Overview

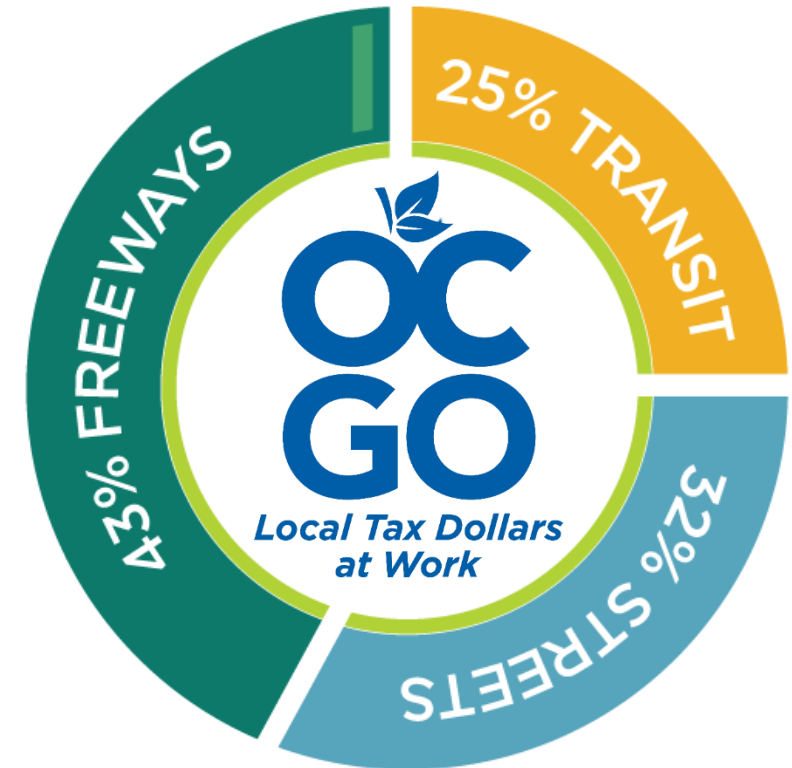


Measure M2 (OC Go): 2011-41



- Renewed by voters in 2006 for 30 years
- Began collection in 2011
- \$15 billion program
- Leveraged \$3.5 billion to date in external revenues

Measure M1: 1991-2011

- Successful implementation
- Delivered more than \$4 billion in transportation improvements
- Leveraged \$1.2 billion in external revenues



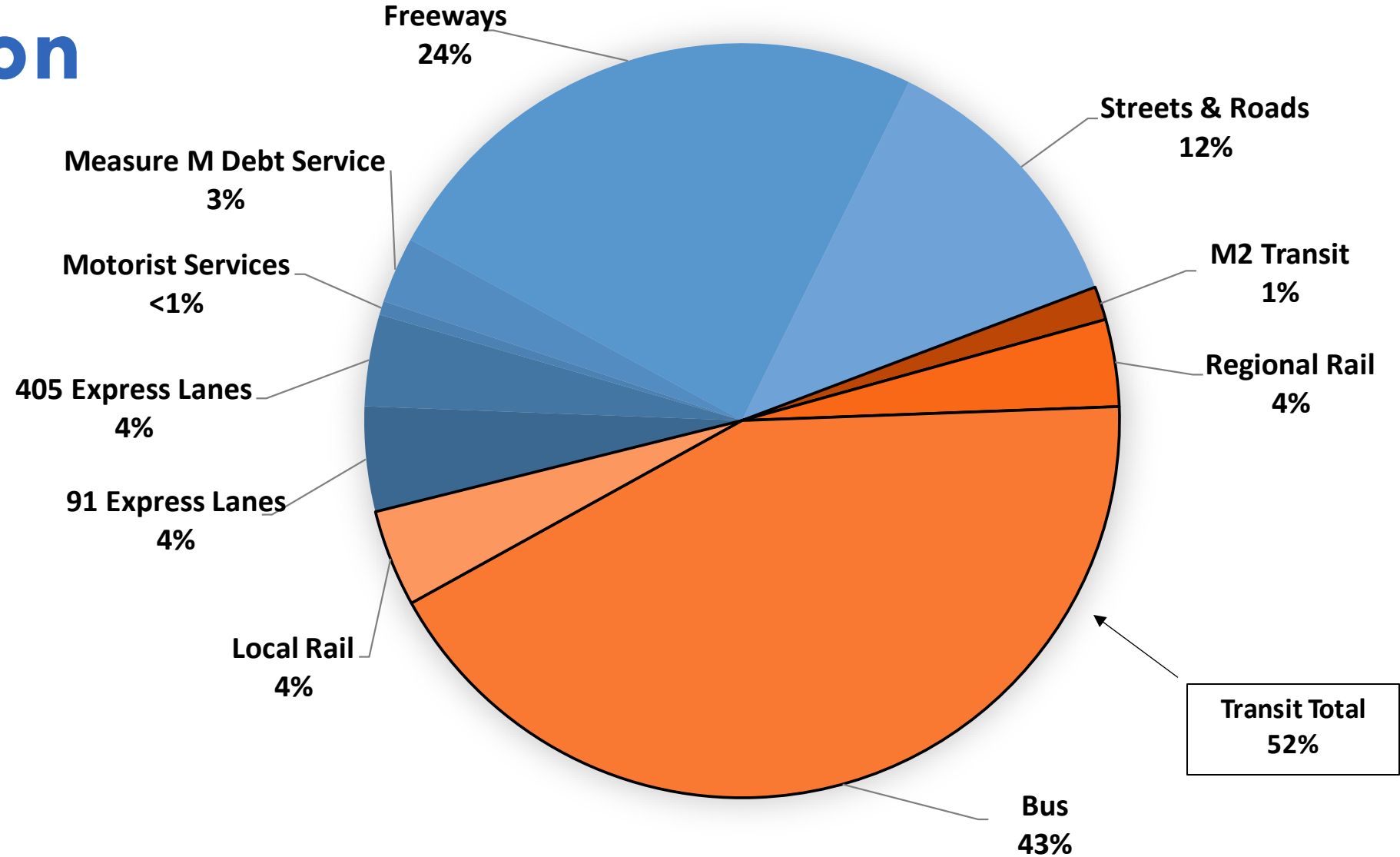
ENVIRONMENTAL

-  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

FY24 Budget by Program



**\$1.7 billion
budget**





I-405 Improvement Project

I-405 Improvement Project

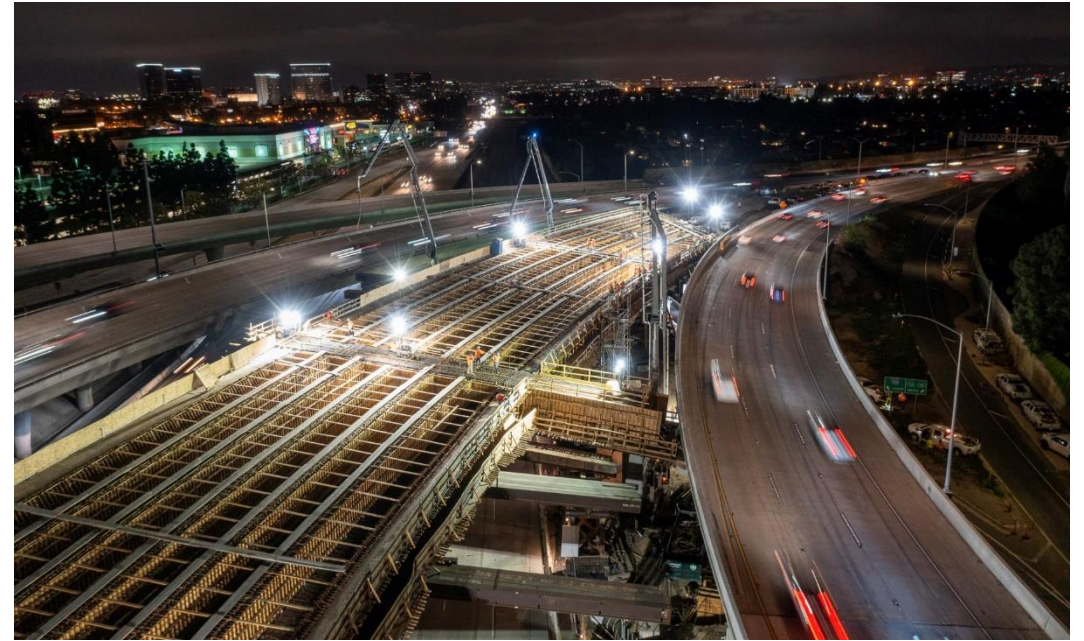


Scope:

- Primarily within existing right of way
- Two new lanes stretching 16 miles each direction between Costa Mesa and the LA County line
 - One regular lane
 - Creation of 405 Express Lanes
- 18 bridge replacements
- Improvements to local streets and interchanges
- \$2.16 billion total cost

Status:








- 95% complete
- **Late 2023:** Anticipated completion



Tolls and Discounts



Tolls vary by hour, day of the week and direction of travel.

 Solo Drivers	 2 Person Carpools	 3+ Person Carpools	 Designated Veterans License Plates	 Disabled Person License Plates	 Motorcycles	 Clean Air Vehicles
Always pay a toll	Free for the first 3.5 years after the facility opens during non-peak hours Pay a toll during peak hours	Always free	Always free	Always free	Always free	15% discount

Peak hours are 6-10 a.m. and 2-7 p.m. Monday through Friday, and 1-7 p.m. on weekends.

405 Express Lanes Access Points





Coming in late 2023

Less driving. More living.



Life. On time.

The new 405 Express Lanes will open in late 2023. What will you do with all the time you'll save?

Let's face it, nobody lives in Southern California because they want to spend more time behind the wheel. We all have things we'd much rather be doing, like enjoying the great outdoors and being with our loved ones. The new 405 Express Lanes will greatly reduce traffic congestion and help you connect more easily to things you'd rather do than sit in traffic.



More than just convenient, the 405 Express Lanes also helps:



Save Time

Wherever and whenever you drive, you'll experience free-flowing traffic to help you reach your destination safely and efficiently.



Reduce Stress

Driving in heavy traffic conditions leads to greater stress. Free-flowing traffic isn't just more convenient – it's good for your health.



Ease Congestion

The 405 Express Lanes benefit all who drive the I-405. Those in the regular lanes will enjoy reduced drive times because space will be freed up by those who choose the 405 Express Lanes, such as carpools with three or more people that always travel toll-free.

Your FasTrak® transponder opens up a whole new way to enjoy the drive.

Because everyone using the 405 Express Lanes is required to have a transponder, traffic will always flow as freely as possible. All tolls will be collected electronically, with no toll booths or cash payments to slow you down.

Your FasTrak® transponder will give you access to the extensive network of established toll agencies anywhere in California. Simply attach the transponder to your vehicle and you're good to go.



Smoother and safer, too.

Car trouble on the 405 Express Lanes? We've got you covered. Our traffic operations center will keep a close watch on the Express Lanes 24 hours a day, 365 days a year and will dispatch our free tow truck service to you within minutes.



For further information, please visit us at: 405ExpressLanes.com.



405ExpressLanes.com

OCSTREETCAR

OC Streetcar



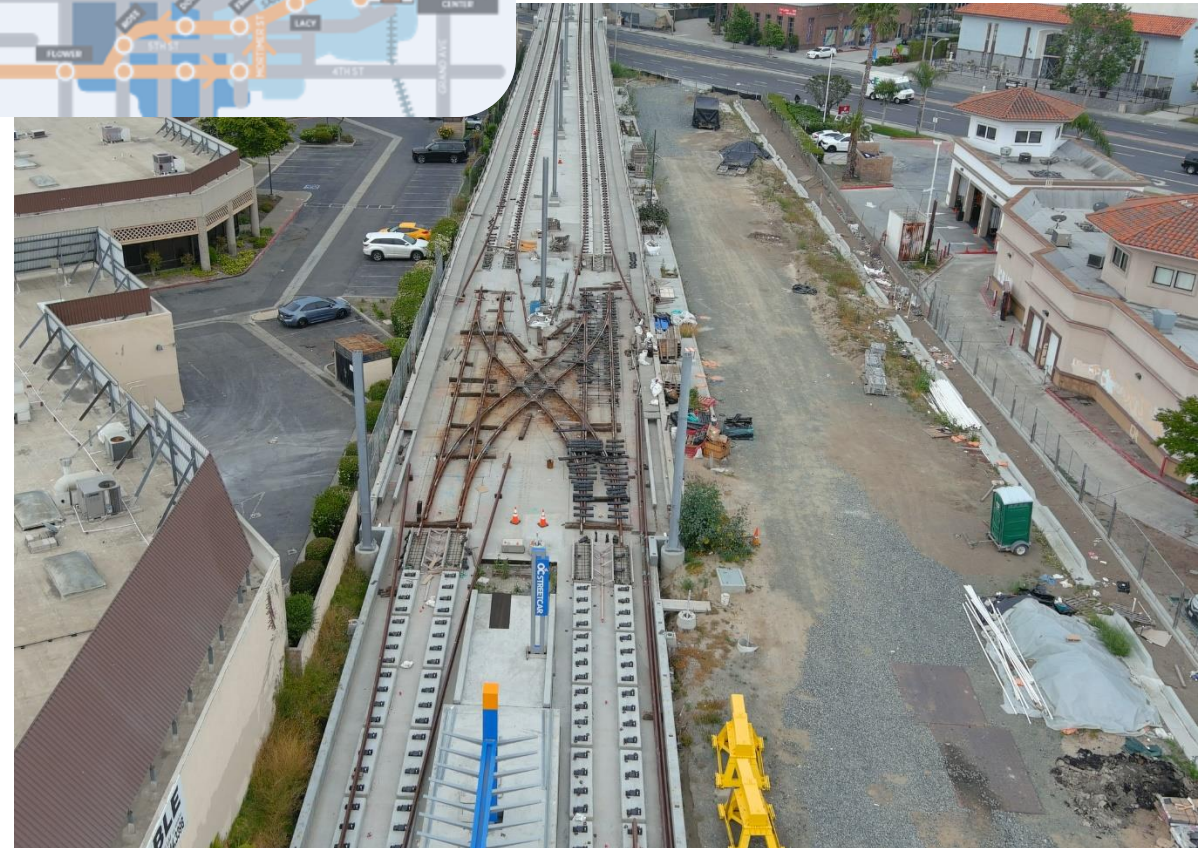
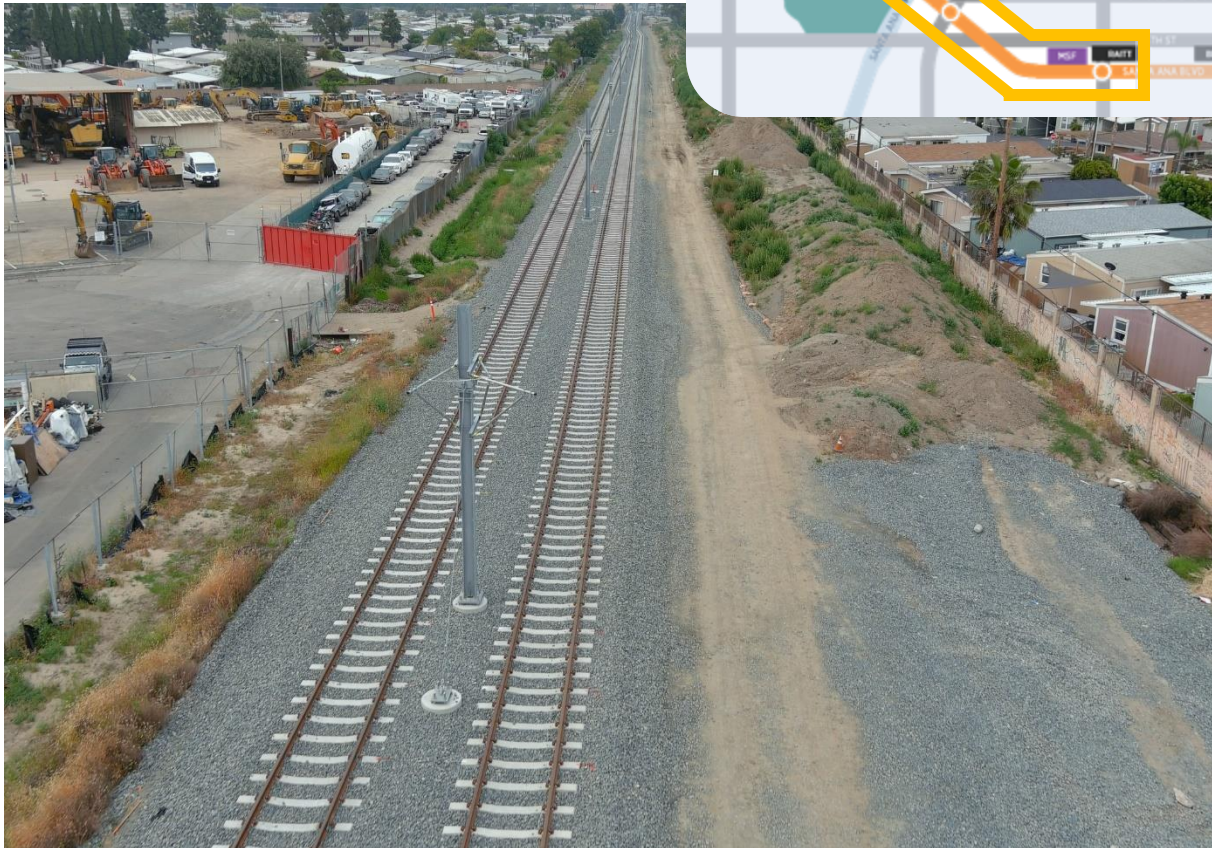
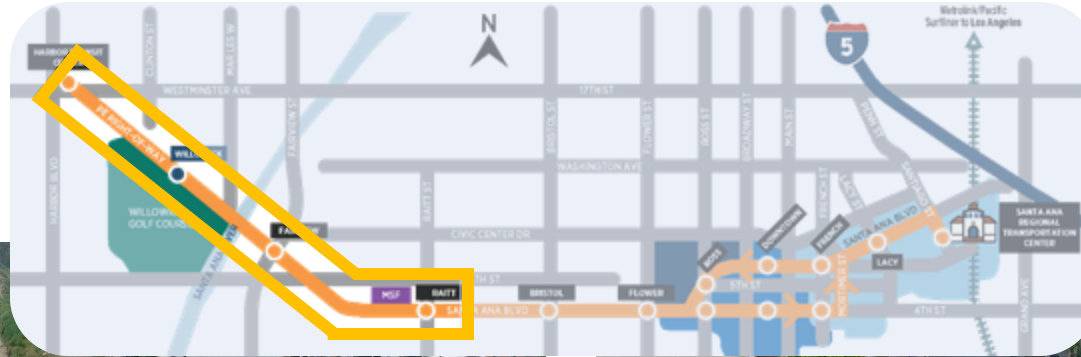
OCStreetcar.com

Scope: 4.1 miles connecting Santa Ana transportation center to Harbor Boulevard in Garden Grove

Status: Operations scheduled to begin in **2024**



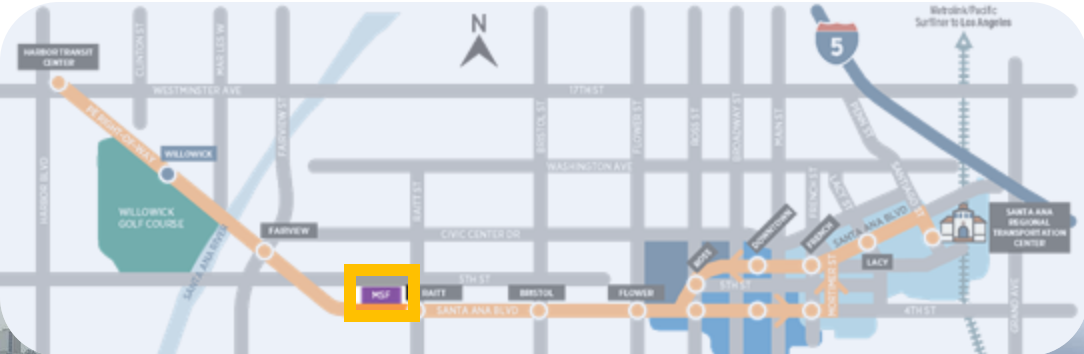
Segment 1 Progress



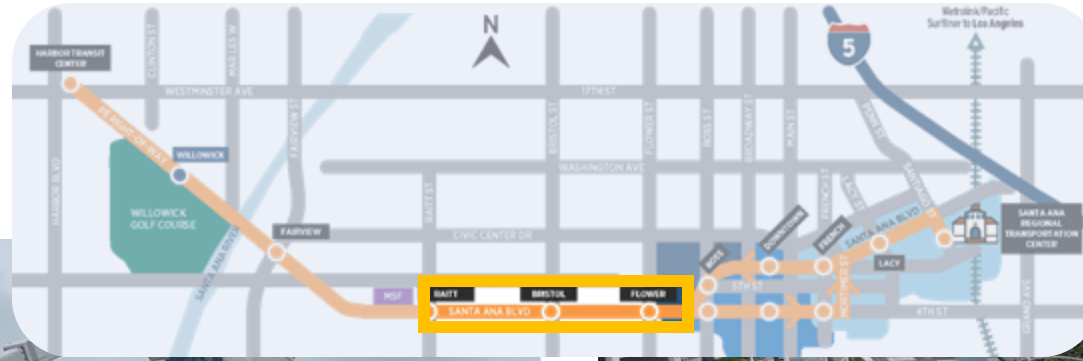
Completed tracks and overhead contact system hardware installation

Double cross-over at Harbor Station

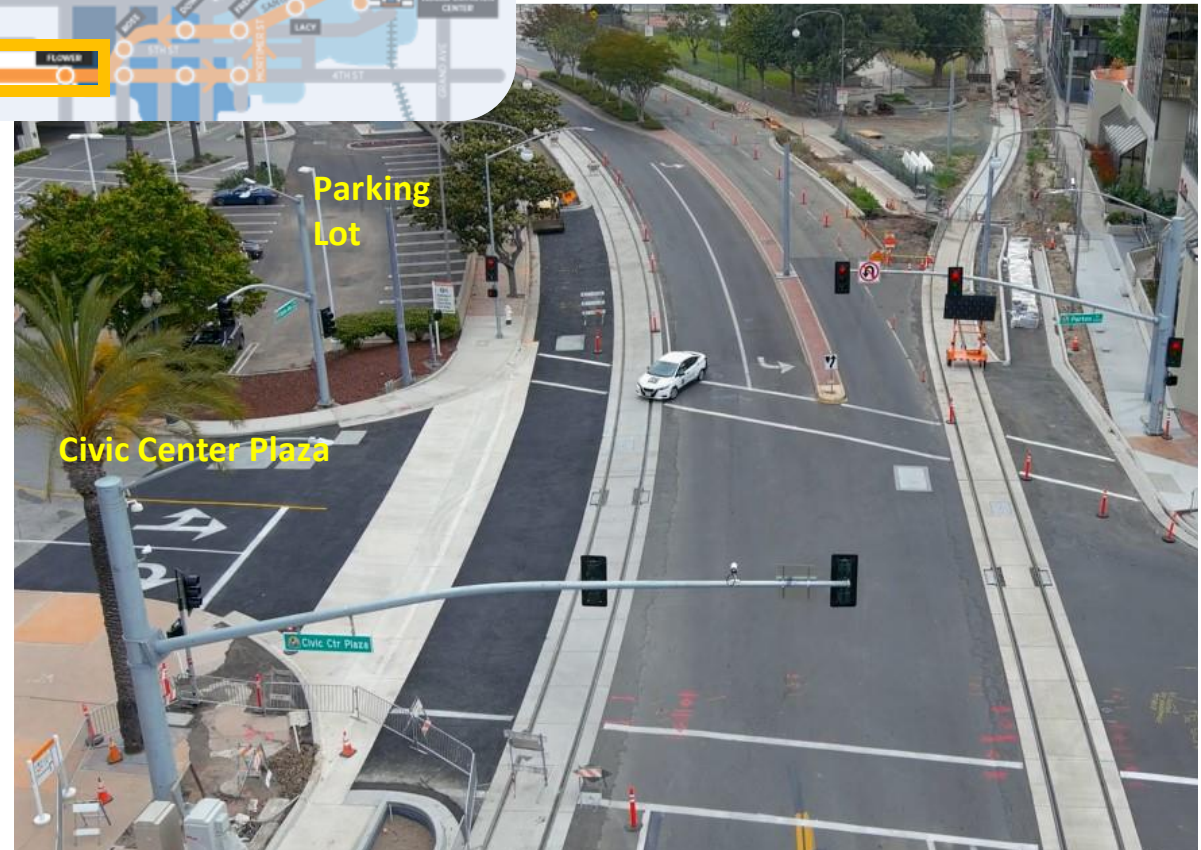
Maintenance & Storage Facility



Segment 2 Progress

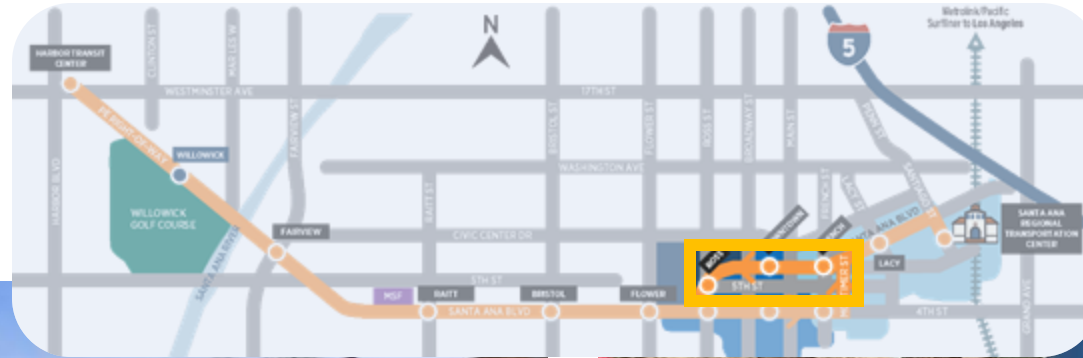


Installation of hardware



Restoration of Civic Center Plaza entrance and parking lot

Segment 3 Progress

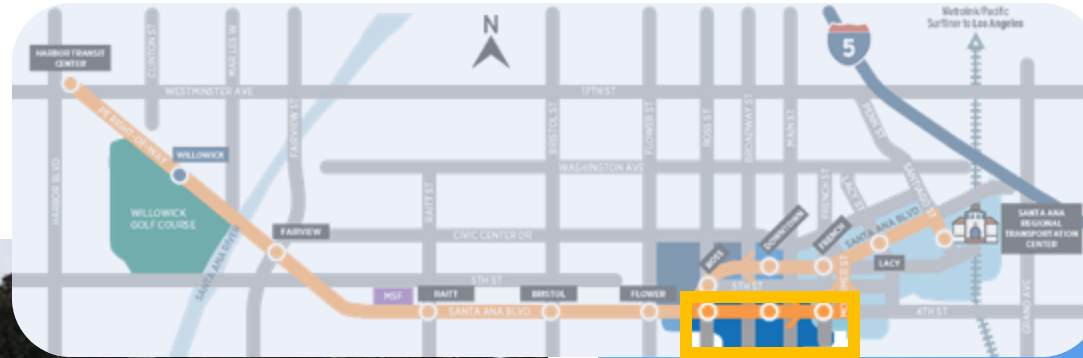


Installation of hardware

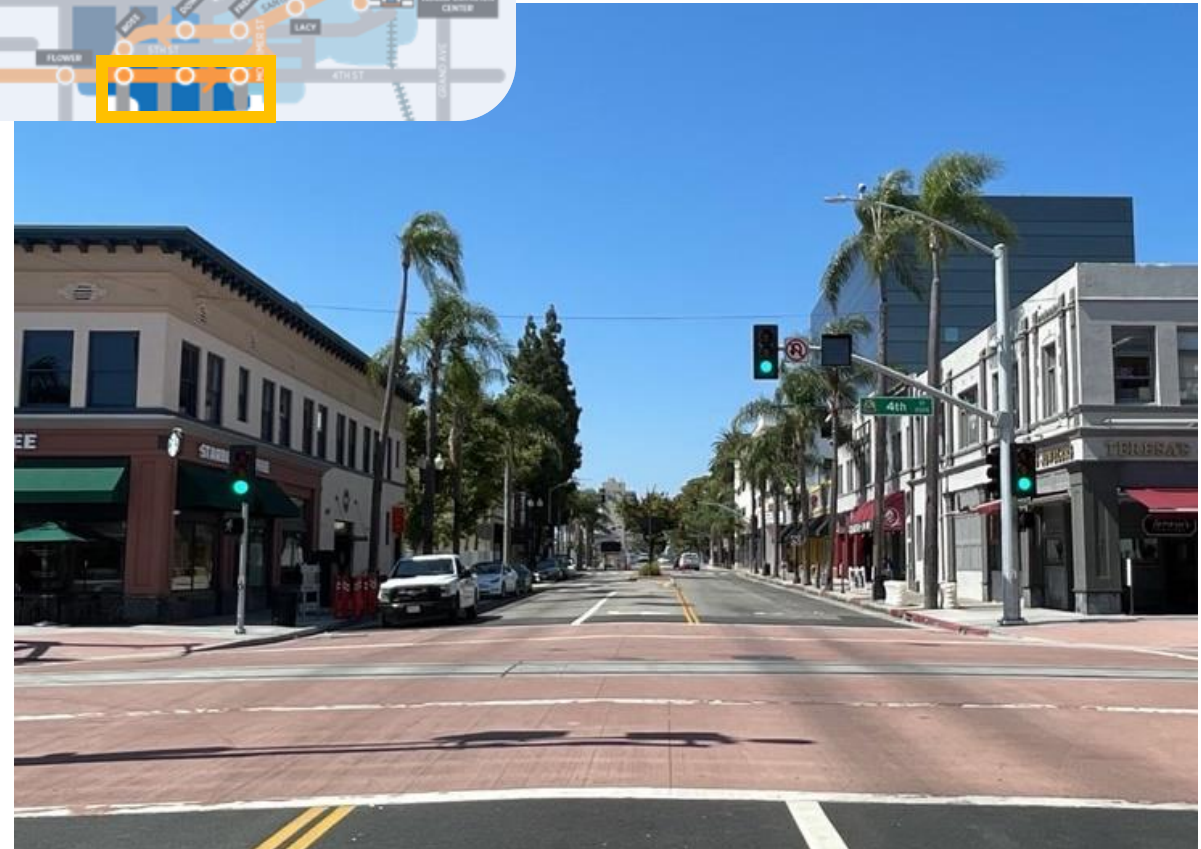


Forming traffic signal foundation

Segment 4 Progress

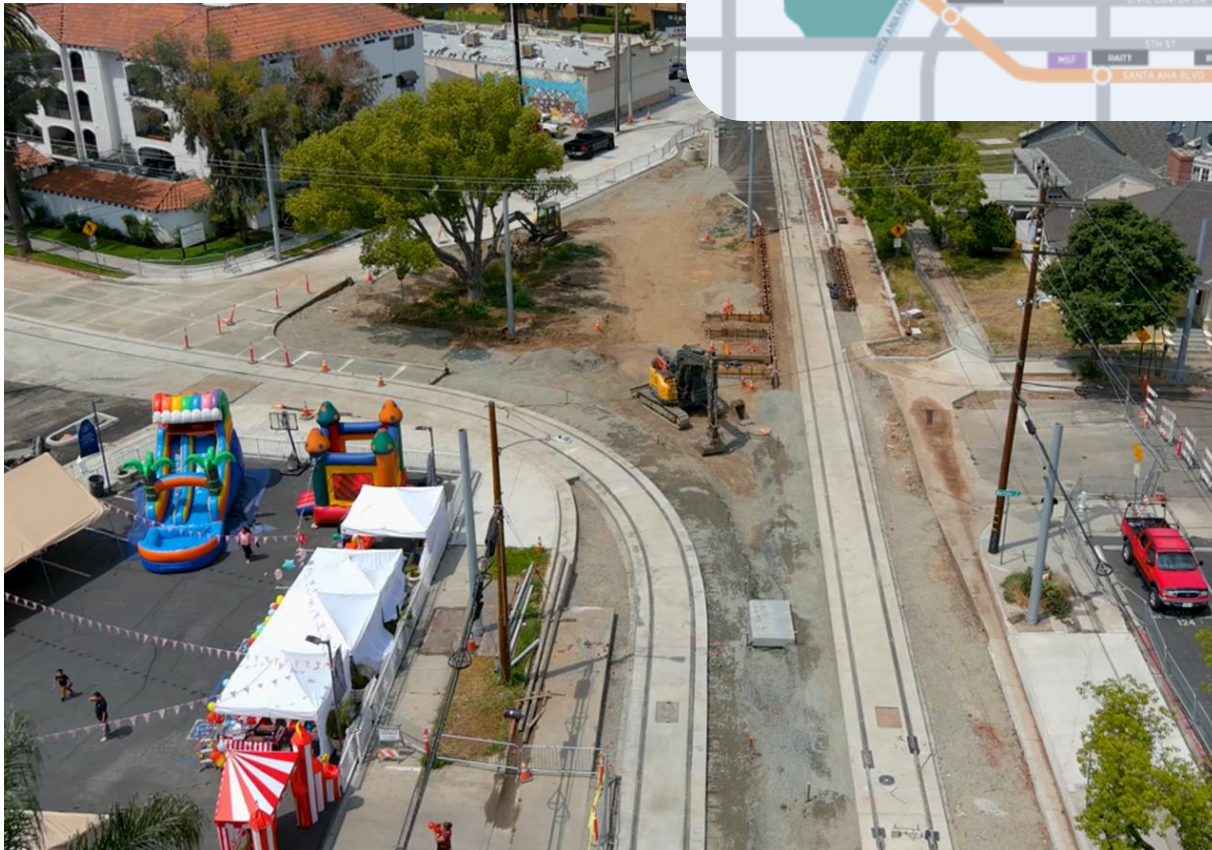


Ross Platform



New traffic signal poles installation at Fourth Street / Broadway intersection

Segment 5 Progress



Mortimer Street and
Santa Ana Boulevard

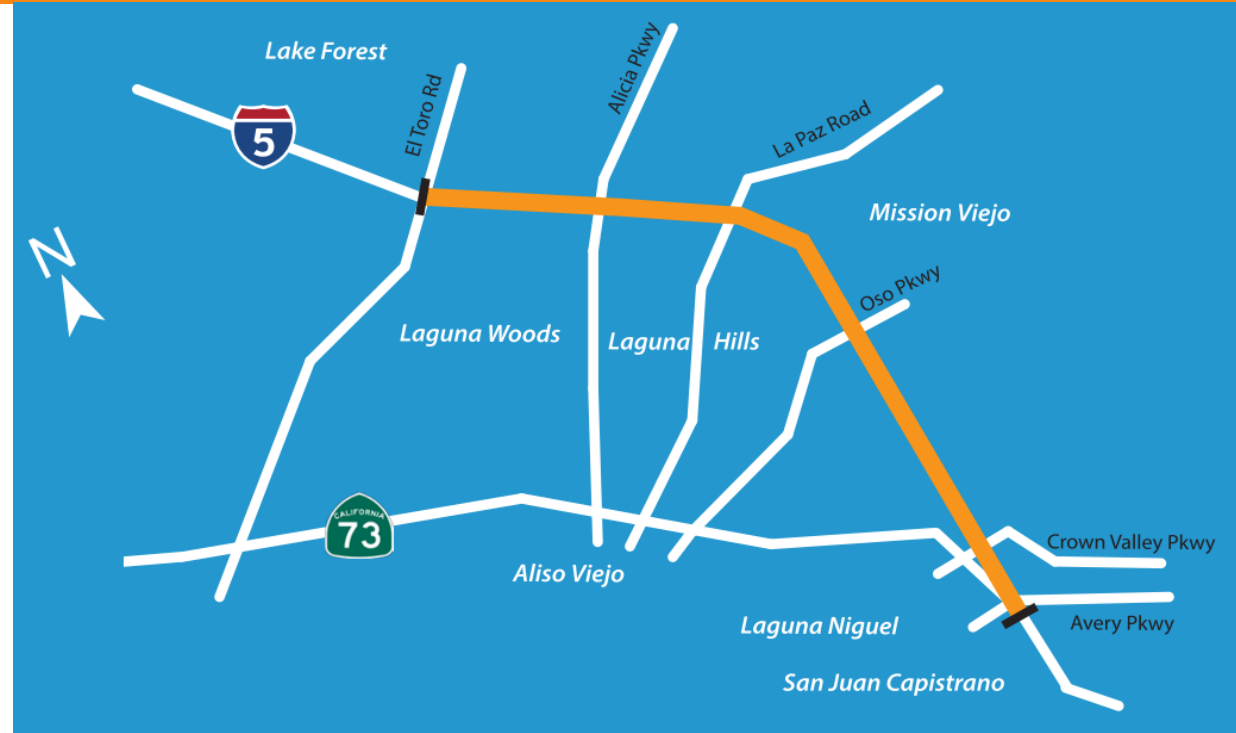


Santa Ana Regional Transportation Center
station tracks



Ongoing Projects

I-5 South County Improvements



Scope:

- Extends second carpool lane between Alicia Parkway and El Toro Road
- Creates regular lane between Avery & Alicia parkways
- Improves interchanges, an overcrossing, on- and off-ramps and auxiliary lanes



octa.net/I5South

Status:

- **Late 2024:** Anticipated completion

SR-55 (I-405 to I-5) Improvements



octa.net/SR55



Scope:

- Second carpool lane in each direction
- One regular lane in each direction
- Auxiliary lanes

Status:

2026: Anticipated completion

San Clemente Rail Closures



Cyprus Shore Track Stabilization

- Passenger rail service was halted in September 2022 due to track movement.
- OCTA drove anchors into the slope to the east of the track to prevent it from pushing the track further toward the coast.
- Work was successful and all regular service resumed in April.



Casa Romantica Track Protection

- 2 miles north of OCTA's track stabilization work and unrelated to that effort.
- Passenger rail service was halted in April due to falling debris.
- Service resumed in July after Metrolink, in partnership with OCTA, completed a temporary barrier wall.

Coastal Rail Protection Study *short- to medium-term solutions*

- Develop options to protect 7 miles of coastal rail infrastructure at various sea levels
- Gain an understanding of climate effects on coastal rail infrastructure
- Identify potential solutions, including sand replenishment / retention
- Engage key stakeholders / agencies
- OCTA Board awarded contract August 14, 2023
- **Next Step:** Environmental for Coastal Rail Infrastructure Resiliency Projects

Coastal Rail Long-Term Solutions Study

- Develop options for potential long-term solutions for the coastal section of rail line
- Create an action plan for key elements
- Partner with LOSSAN, state and federal agencies
- Engage key stakeholders / agencies



DIRECTIONS 2045

LONG RANGE TRANSPORTATION PLAN

Sustainable, equitable, and innovative transportation solutions.

Long-Range Transportation Plan (LRTP)

LRTP Paths to Success



Extend or Modify Measure M Programs

- Signal Synchronization
- Community Circulators
- Metrolink Service
- Transit Accessibility
- Senior Mobility

Expand Transit Services

- Rapid Bus
- Microtransit (OC Flex)
- High-Capacity Transit
- Reduced or Free Transit Fares

Enhance Active Transportation

- Coordinate Regional Routes
- Support Local Routes
- Reallocate Roadway Space

Explore Mobility Integration

- Mobility Hubs
- Mobility as a Service (MaaS)
- Micromobility

Eliminate Freeway Chokepoints

- Auxiliary Lanes
- Braided Ramps
- Address Lane Drops
- System Management

Embrace Technology

- Electric Vehicle Charging
- Remote Work
- E-Bikes
- Connected Vehicles
- Enhanced Signal Synchronization

Elevate Maintenance & Resilience

- Maintain Existing Infrastructure
- Assess Risks and Mitigations
- Electric Bus Fleet

L RTP: Achieving the Goals



Improve System Performance

- 30% fewer hours in traffic



Expand System Choices

- 10% fewer single-occupant vehicles trips



Support Sustainability

- No change in vehicle miles traveled



Mobility Equity

- 282,000 more job locations accessible within 30 minutes for Orange County as a whole
 - 323,000 for communities of concern

L RTP: Short-Term Action Plan



Orange County Planning Activities

Coordination with Local Partner Agencies	Managed Lane Studies	Complete Streets
Diversity, Equity and Inclusion	Future of the Toll Roads	Sustainable Transportation Strategies
Long-Term Transportation Funding Strategy	Freeway Chokepoints	Electric Vehicle Charging Infrastructure
Corridor Studies & Improvements	Signal Synchronization Strategies	Joint Development Studies
OC Transit Vision Update	Transportation Demand Management	Asset Management
Transit Support Services	Transit Chokepoints Study	Adaption Planning
OC Metrolink Vision	Mobility Hubs	Traffic Model Update
Coastal Infrastructure Study	Active Transportation Investments	

Regional Planning Activities

Coordination with Regional Partner Agencies
Trade Corridors / Goods Movement
2024 Regional Transportation Plan / Sustainable Community Strategies
2028 Olympics
LA Metro Countywide Express Lanes Strategic Plan
San Diego's I-5 HOT Lane Project
West Santa Ana Branch / Pacific Electric Right-of-Way
Gold Line Eastern Extension – Phase 2

Emerging Issues

Monitor Technology
Connected Infrastructure Needs Assessment
State & Federal Regulation
State & Federal Funding

Transportation Outreach & Education

Active Transportation Safety
Transit Use & Trip Planning
Diversity, Equity & Inclusion

Upcoming Contract Opportunities

Upcoming Contract Opportunities



Visit cammnet.octa.net for all upcoming opportunities

Project	Service	Approx. Value	Anticipated RFP Release Date / Construction Advertisement Date
Facility Inspections on OC Streetcar Project	Professional	\$230,000	August 29,2023
On-call Construction Management and Engineering Technical Services for Transit Facility Projects	Professional	\$1.6 million	September 2023
SR-91 from Acacia St to La Palma Ave (Segment 3)	CM	\$10 million	September 2023
Zero Emission Bus Rollout Plan Update	Planning	\$100,000	September 2023
Mobility Hubs Conceptual Operations	Planning	\$300,000	October 2023
Fullerton Park-and-Ride TOD Master Plan	Planning	\$500,000	October 2023
Reconnecting Communities Through Complete Streets (Interchange Evaluation)	Planning	\$550,000	October 2023
Active Transportation Outreach Support	Planning	\$400,000	October 2023
Cyclic Counts (Bicycle Counts)	Planning	\$400,000	October 2023
Bikeways Connectivity Study	Planning	\$500,000	October 2023

Upcoming Contract Opportunities



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Project	Service	Approx. Value	Anticipated RFP Release Date / Construction Advertisement Date
Transit Service Planning Support	Planning	\$250,000	October 2023
Transit Security and Operations Center	Construction	\$48.3 million	October 2023
Bus Base Charge Ready Infrastructure Plan	Planning	\$250,000	November 2023
Roadside Services for the 91 and 405 Express Lanes	Professional	\$3.4 million	November 2023
Transit Chokepoint Study	Planning	\$300,000	December 2023
Next STEP (SRTS programming)	Planning	\$2.1 Million	December 2023
SR-91 from SR-55 to Lakeview Ave (Segment 1)	Construction	\$57 million	February 2024
SR-91 from La Palma Ave to SR-55 (Segment 2)	CM	\$13 million	February 2024
SR-73 PSR/PDS (Birch St. To I-405)	Planning	\$800,000	February 2024
I-5 from Yale Ave to SR-55 (Segment 2)	CM	\$11 million	April 2024

- Project to be advertised by Caltrans
- Pending right-of-way process

Upcoming Contract Opportunities



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Project	Service	Approx. Value	Anticipated RFP Release Date / Construction Advertisement Date
SR-55 from I-5 to SR-91	CM	\$5 million	April 2024
NB SR-57 from Orangewood to Katella	CM	\$3 million	June 2024
Slope Stabilization Phase 2	Construction	\$2.5 million	June 2024
I-5 from I-405 to Yale Ave (Segment 1)	CM	\$11 million	July 2024
I-605/Katella Interchange	Construction	\$23 million	August 2024
SR-91 from Acacia St to La Palma Ave (Segment 3)	Construction	\$115 million	February 2025
NB SR-57 from Orangewood to Katella	Construction	\$46 million	March 2025
I-5 from Yale Ave to SR-55 (Segment 2)	Construction	\$112 million	June 2025
SR-55 from I-5 to SR-91	Construction	\$54 million	October 2025
SR-91 from La Palma Ave to SR-55 (Segment 2)	Construction	\$132 million	November 2025
I-5 from I-405 to Yale Ave (Segment 1)	Construction	\$117 million	December 2025

- Project to be advertised by Caltrans

Upcoming Contract Opportunities



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Project	Service	Approx. Value	Anticipated RFP Release Date / Construction Advertisement Date
CTFP Signal Synchronization Project	Planning	\$225,000	TBD
Regional Capacity Program	Planning	\$225,000	TBD
South Coast Rail Infrastructure Feasibility Study and Project Definition Report (Long-Term)	Planning	\$5 million	TBD
Bus Wash Equipment Replacement at Garden Grove Bus Base	Construction	\$970,000	TBD

Key Takeaways

- OCTA is on track to deliver on all of its projects promised to voters through Measure M, Orange County's half-cent sales tax for transportation.
- OCTA is continuing to invest in all modes of travel to ensure a balanced and sustainable transportation system throughout Orange County.

More information: [octa.net](https://www.octa.net)