

**Orange County Transportation Authority
Regional Transportation Improvement Program for the
2018 State Transportation Improvement Program Project Descriptions**

Interstate 5 (I-5) Widening from State Route 73 (SR-73) (Segment 1) to Oso Parkway

I-5 widening will add one general purpose lane in each direction from SR-73 to Oso Parkway, provide operational improvements, and reconstruct the interchange at Avery Parkway. This is Project C in the Next 10 Plan.

Under current traffic conditions, substantial congestion is experienced, and this project will help alleviate congestion and provide air quality benefits. The project is requesting approval of an additional \$12.705 million in State Transportation Improvement Program (STIP), and the total project cost is \$190.516 million.

State Route 55 (SR-55) Widening from Interstate 405 (I-405) to I-5 – New STIP Project

This project will add new high-occupancy vehicle (HOV), general purpose and auxiliary lanes on SR-55 between the I-405 and the I-5 connectors, to increase freeway capacity and reduce congestion in central Orange County areas. The project is located in the cities of Santa Ana, Irvine, and Tustin.

Future traffic demand is anticipated to increase traffic volumes to levels which will increase traffic congestion, increase travel delays, and reduce travel speeds. It is anticipated that without additional major capital improvements, the level of service for the majority of the study area in the northbound and southbound directions would be unacceptable during AM and PM peak periods. The project is requesting approval of \$80 million in STIP, and the total project cost is \$410.932 million.

I-5 Widening from Alicia Parkway to El Toro Road (Segment 3) - New STIP Project

The project will add one general purpose lane on the I-5 in each direction between Alicia Parkway and El Toro Road (approximately 1.7 miles), extend the second HOV lane in both directions, and add auxiliary lanes where needed. The additional lane will increase capacity and improve mainline congestion on I-5 from Alicia Parkway and El Toro Road. This is Project C in the Next 10 Plan.

Under current traffic conditions, substantial congestion is experienced, and this project will help alleviate congestion and provide air quality benefits. The project is requesting approval of \$58.911 million in STIP, and the total project cost is \$166.523 million.

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State Route 57 (SR-57) Truck Climbing Lane Phase I – Lambert Road Interchange Improvements

Project work consists of reconfiguration of the northbound ramps, including construction of a loop on-ramp at the southeast quadrant, realignment of the southbound ramps, as well as adding a fourth approach lane along the southbound off-ramp, and widen the south side of Lambert Road to provide dual exclusive eastbound right turn lanes into the southbound on-ramp.

The SR-57 Lambert Road interchange is presently characterized by poor operational performance during peak traffic periods, and operational performance will further deteriorate with increase in anticipated future traffic volumes. The purpose of this project is to provide additional capacity and improve overall operational performance of the interchange. The proposed alternates should help mitigate the current congestion and better accommodate anticipated future traffic increases, thereby minimizing delays and potential safety hazards. Additionally, the corridor experiences a high amount of truck traffic, and these improvements will help improve truck travel speeds. The project is an existing 2016 STIP project.

Planning, Programming, and Monitoring (PPM)

Orange County is impacted by severe congestion on many regional and interregional facilities. Examination of the problem and potential solutions are necessary for the future construction of improvements. PPM funds will be used to develop project study reports and provide environmental clearance for projects, thus creating a shelf of projects for the future.

The PPM will support consultants and staff in developing the Long-Range Transportation Plan and multimodal strategies to address the short and long-term transportation needs for Orange County and regional connections, and to guide the expenditure of federal, state, and local transportation funds.

I-5 Widening from I-405 to SR-55 – Advance Project Development Element

This project will add one general purpose lane in both directions of the I-5 from the I-405 to SR-55. Additional features of the project include improvements to various interchanges. Auxiliary lanes will be added in some segments and re-established in others within the project limits. The overall project length is approximately nine miles.

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Currently, this segment of the I-5 corridor is experiencing congestion and long traffic delays due to demand exceeding capacity, primarily resulting from local, regional, and interregional traffic demand. In addition, forecasted local and regional traffic demand is expected to increase by over 10,000 vehicles per day by the year 2040. This is Project B in the Next 10 Plan. The project is requesting approval of \$20 million in STIP, and the total cost for the PPM is \$33 million.

SR-57 Truck Climbing Lane – Advance Project Development Element

STIP funding is proposed for the project approval and environmental document phase of this project that will construct a truck climbing lane on the SR-57 from the Lambert Road undercrossing to just north of the Orange County/Los Angeles County line. A climbing lane would improve truck traffic travel speeds and would increase the throughput of the northbound SR-57. This project is Project G in the Next 10 Plan. The project is requesting approval of \$4.05 million in STIP, and the total cost for the project approval and environmental phase is \$4.3 million.