



April 7, 2025

To: Regional Transportation Planning Committee

From: Darrell E. Johnson, Chief Executive Officer

Subject: Amendment to Agreement for Additional Design Services for State Route 91 Improvement Project Between Acacia Street and La Palma Avenue

Overview

On July 13, 2020, the Orange County Transportation Authority Board of Directors authorized an agreement with T.Y. Lin International, for the preparation of plans, specifications, and estimates for the State Route 91 Improvement Project between Acacia Street and La Palma Avenue. An amendment to the existing agreement is required for additional design services.

Recommendation

Authorize the Chief Executive Officer to negotiate and execute Amendment No. 5 to Agreement No. C-0-2073 between the Orange County Transportation Authority and T.Y. Lin International, in the amount of \$2,232,131, for additional design services for the State Route 91 Improvement Project between Acacia Street and La Palma Avenue. This will increase the maximum cumulative obligation of the agreement to a total contract value of \$13,945,033.

Discussion

State Route 91 (SR-91) improvements between Acacia Street and La Palma Avenue (Project) is part of Project I in the Measure M2 (M2) Freeway Program. This Project is being advanced through the updated Next 10 Delivery Plan that was approved by the Orange County Transportation Authority (OCTA) Board of Directors (Board) in November 2024.

The project improvements include westbound (WB) operational improvements between Acacia Street and La Palma Avenue, WB improvements at State College Boulevard, and reconstruction of the La Palma Avenue overcrossing bridge. The Project will also provide a new bypass ramp that allows northbound (NB) State Route 57 (SR-57) traffic to exit at Orangethorpe Avenue

in advance of the SR-91/NB SR-57 connector merge. The WB SR-91/NB SR-57 connector will be adjusted to accommodate the new bypass ramp. The existing La Palma Avenue overcrossing bridge will be replaced with a new bridge that includes standard vertical clearance, two lanes with shoulders and sidewalks in each direction, and a median shoulder. The plans, specifications, and estimates (PS&E) for the Project are currently being prepared by T.Y. Lin International (TYLI).

Additional project scope has been identified, which requires further effort by TYLI to complete the design on schedule. An amendment to the project design agreement is recommended for the following additional services:

Roadway Design

- The California Department of Transportation (Caltrans) requested to revise the vertical design of the ramps and additional design revisions to eliminate nonstandard features along the State College Boulevard on- and off-ramps.
- Additional design surveys need to be conducted to support additional design and drainage improvements.
- Safety fencing was added on top of a concrete barrier on the top of a retaining wall along NB SR-57 next to the Miraloma Avenue overcrossing. Additional details need to be prepared and additional coordination to obtain approvals is needed.
- The City of Anaheim (City) requested a fire access path near the Casa La Palma complex to meet safety concerns. This area was evaluated and discussed early in the final design phase with the City; however, the City is now requesting for this path to be added to the design based on maps found recently. This request was deemed reasonable and necessary by OCTA and Caltrans. This change will require re-grading the area near the apartment complex, revisions to one of the retaining walls, adding a new retaining wall, drainage evaluations, and revisions to plans and quantities.
- Caltrans updates their standard plans and standard specifications twice a year, and roadway and structure designs need to conform to the new Caltrans standards. Design plans and specifications need to be updated and reviewed by various departments at Caltrans to obtain approval.

Right-of-Way (ROW) Engineering Services

New legal and plat acquisition documents are needed to delineate a ROW acquisition between Caltrans and the City for the new La Palma Avenue overcrossing bridge. Caltrans has requested that the widened bridge be within their ROW.

Reports

- Changes to add the Casa La Palma Apartments fire access path require a new retaining wall, which will require new calculations and changes to the geotechnical report.
- Due to the 2024 standard updates, all foundation reports will need to be reviewed, revised, and re-approved based on the new standards.
- Additional effort will be required to evaluate the approved materials report pavement sections to develop options to address Caltrans' comments.
- Drainage report and storm water data reports need to be updated to reflect the design changes.
- Additional effort is needed to update the supplemental design standard decision document (SDSDD) to document additional design exceptions due to updates from design changes. Caltrans also requested to update the accident data and analysis based on the recently available collision data, which is to be included in the SDSDD.
- Updates to the supplemental historic property survey report are needed to include the design changes.

Environmental Services

A community impact assessment memorandum is required for the Project to analyze the community impacts from a single-stage demolition and construction of the La Palma Avenue bridge.

Caltrans Multi-Asset Project (MAP)

Within the SR-91 corridor, including the segment from Acacia Street to La Palma Avenue, Caltrans has also developed a MAP within the project limits that is funded by the State Highway Operation and Protection Program (SHOPP). Caltrans' MAP scope of work (SOW) includes pavement rehabilitation, existing safety device upgrades, census stations installation, lighting replacement, and conduit replacement. The MAP SOW was combined with the Segment 3 PS&E at 100 percent design, which was then submitted to

Caltrans for review in January 2024. Due to Caltrans' comments, design changes at 100 percent design required additional submittals and additional efforts for TYLI to combine the PS&E package with the Caltrans MAP being prepared by others. The combined efforts would be shared by Caltrans' consultant and TYLI, and this amendment includes only additional efforts required by TYLI. Additional meetings and communication with Caltrans and their consultants are also needed to ensure the combined deliverables will be completed within the project schedule. The Caltrans MAP SOW is funded by Caltrans' SHOPP funding for the construction phase.

Procurement Approach

This procurement was handled in accordance with OCTA's Board-approved procedures for architectural and engineering services, which conform to both state and federal laws. The original firm-fixed price agreement was issued on November 30, 2020, in the amount of \$8,709,608, for the preparation of the PS&E. This agreement has been previously amended as shown in Attachment A. It has become necessary to amend the existing agreement to include additional design services.

OCTA staff negotiated the required level of effort with TYLI to provide the additional design services as described above. Staff found TYLI's price proposal, in the amount of \$2,232,131, to be fair and reasonable relative to the negotiated level of effort and the independent cost estimate prepared by the OCTA project manager. Proposed Amendment No. 5 to Agreement No. C-0-2073 will increase the total contract value to \$13,945,033.

Fiscal Impact

The Project is included in OCTA's Fiscal Year 2024-25 Budget, Capital Programs Division, Account No. 0017-7519-FI104-0U9, and will be funded through the net 91 Express Lanes excess revenues.

Summary

Staff requests Board of Directors' approval to authorize the Chief Executive Officer to negotiate and execute Amendment No. 5 to Agreement No. C-0-2073 between the Orange County Transportation Authority and T.Y. Lin International to increase funding, in the amount of \$2,232,131, for additional design services for the State Route 91 Improvement Project between Acacia Street and La Palma Avenue.

Attachment

A. T.Y. Lin International, Agreement No. C-0-2073 Fact Sheet

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