



November 6, 2023

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. 3 to Agreement No. C-0-2073 between the Orange County Transportation Authority and T.Y. Lin International, in the amount of \$968,914, 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 \$11,713,168.

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 2022.

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 bypass ramp. The existing

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La Palma Avenue overcrossing bridge will be replaced with a new bridge that includes standard vertical clearance and four lanes with shoulders and sidewalks. 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

- Additional design surveys are needed due to additional utility potholing required for the Project. These utility potholes are at various locations within the project limits and are necessary to verify the locations of existing utilities in order to avoid conflicts during construction of the project improvements.
- In accordance with updated California Department of Transportation (Caltrans) standards, short earth retaining concrete barriers can no longer be utilized as a standard plan for barrier and are required to be designed as retaining walls. Furthermore, to conform to the new Caltrans standards, planned retaining walls need to be redesigned and wall plan details need to be updated.
- Caltrans requested the replacement of the entire existing non-standard median barrier throughout the project limits to meet current safety standards. TYLI needs to modify the design plans to remove and replace the existing median barrier and include the associated work related to, and impacted by, the median concrete barrier replacement.
- The City of Anaheim (City) requested the replacement of the existing curb return at a local intersection to comply with the City's standards. Replacement of the curb return also requires replacement of an existing traffic signal. These improvements are needed to facilitate the La Palma Avenue bridge replacement and new roadway profile and alignment of La Palma Avenue as it joins the intersection with Blue Gum Street.

- The City requested additional traffic impact analyses at several intersections to support the proposed construction traffic detours on local city streets, due to the planned single-phase bridge construction of the La Palma Avenue overcrossing bridge.

Reports

Caltrans requested a supplemental project report be developed capturing all major design changes since the environmental phase. In addition, a supplemental design standard decision document is needed to record additional design exceptions due to the median barrier replacement, construction staging, and refined design of the WB SR-91/SR-57 connectors and the Orangethorpe Avenue bypass ramp.

Caltrans Multi-Asset Project

Within the SR-91 corridor, including the segment from Acacia Street to La Palma Avenue, Caltrans is developing the PS&E for a multi-asset project (MAP) which includes pavement rehabilitation, safety device upgrades, census stations, lighting and electrical conduit replacements, and striping. At the request of Caltrans, the MAP scope will be combined with the Project's scope of work, with all improvements included in one construction bid package. This will ensure efficient construction of all improvements and will minimize disruption to the traveling public, construction fatigue, potential construction conflicts, and redundant work. To accomplish this, TYLI would need to coordinate with Caltrans to ensure the compatibility of the two PS&E packages as part of the Project. The combining 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 consultant are also needed to ensure the combined deliverables will be completed within the project schedule. The Caltrans MAP project scope is funded by Caltrans State Highway Operation and Protection Program 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.

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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. OCTA found TYLI's price proposal, in the amount of \$968,914, 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. 3 to Agreement No. C-0-2073 will increase the total contract value to \$11,713,168.

Fiscal Impact

The Project is included in OCTA's Fiscal Year 2023-24 Budget, Capital Programs Division, Account No. 0017-7519-FI104-0U9, and will be funded through net excess 91 Express Lanes revenue.

Summary

Staff requests Board of Directors' approval to authorize the Chief Executive Officer to negotiate and execute Amendment No. 3 to Agreement No. C-0-2073 between the Orange County Transportation Authority and T.Y. Lin International, to increase funding, in the amount of \$968,914, 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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