



May 6, 2019

To: Regional Planning and Highways Committee

From: Darrell E. Johnson, Chief Executive Officer

Subject: Amendment to Agreement for Additional Design Services for the Interstate 5 Improvement Project from South of Alicia Parkway to El Toro Road

Overview

On August 11, 2014, the Orange County Transportation Authority Board of Directors approved an agreement with TRC Solutions, Inc., for preparation of plans, specifications, and estimates for the Interstate 5 improvement project from south of Alicia Parkway to El Toro Road. An amendment to the existing agreement is required for additional design services.

Recommendation

Authorize the Chief Executive Officer to negotiate and execute Amendment No. 4 to Agreement No. C-4-1426 between the Orange County Transportation Authority and TRC Solutions, Inc., in the amount of \$617,742, for additional design services for the Interstate 5 improvement project from south of Alicia Parkway to El Toro Road. This will increase the maximum cumulative obligation of the agreement to a total contract value of \$9,187,029.

Discussion

The Interstate 5 (I-5) improvement project from south of Alicia Parkway to El Toro Road (Project) is part of the Measure M2 (M2) freeway program, Project C, and is being advanced through the Next 10 Delivery Plan approved by the Orange County Transportation Authority (OCTA) Board of Directors (Board) in November 2016.

The Project will add a second high-occupancy vehicle (HOV) lane in each direction on I-5 between Alicia Parkway and El Toro Road, an additional general purpose (GP) lane in the southbound (SB) direction between north of Alicia Parkway and south of Alicia Parkway, re-establish existing auxiliary lanes, add a new auxiliary lane SB between the El Toro Road on-ramp and the

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Los Alisos Boulevard off-ramp, replace the Los Alisos Boulevard overcrossing, and convert existing HOV lanes to continuous access. Additional project scope has been identified which requires further design effort. An amendment to the Project design contract is recommended to include the following design services.

In accordance with the cooperative agreement with the California Department of Transportation (Caltrans) for the design phase, the freeway widening will be designed to meet the latest standard plans and specifications (SP&S), procedures, and requirements. In October 2018, Caltrans updated the SP&S to revise certain design standards governing freeway design. Caltrans required that the Project plans be revised to meet the new standards which affected nine retaining walls and two bridges within the Project limits.

To address Caltrans Safety Review Committee comments, the Project design will be modified to eliminate the proposed HOV merge on the SB side of the I-5 and convert the second HOV lane into the first GP lane. This change necessitates the modification of the roadway design, pavement delineation, and signage.

Vibration from pile driving may affect existing nearby non-highway facilities; therefore, monitoring is required to reduce the risk of potential property damage claims. TRC Solutions, Inc. (TRC) will develop segment-specific specifications for vibration monitoring survey of existing nearby non-highway facilities and obtain approval of the specifications from Caltrans.

Recent changes to two proposed utility relocations have also impacted the right-of-way (ROW) requirements for the Project, which, in turn, necessitate additional environmental technical study memoranda. The design team will also make ROW plan revisions and obtain additional ROW documents to accommodate this work.

Finally, design changes at Aliso Creek necessitate TRC to prepare a Conditional Letter of Map Revision for submittal to the Federal Emergency Management Agency.

Procurement Approach

This procurement was handled in accordance with OCTA's Board-approved procedures for architectural and engineering services, which conform to both federal and state laws. The original agreement was executed on March 31, 2015, in the amount of \$7,399,963, and has been previously amended in accordance with Attachment A. It has become necessary to

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amend the existing agreement to comply with Caltrans requirements, which include additional design services to complete the plans, specifications, and estimates.

OCTA staff negotiated the required level of effort with TRC to provide additional design services. OCTA found TRC's price proposal, in the amount of \$617,742, to be fair and reasonable relative to the negotiated level of effort. Proposed Amendment No. 4 to Agreement No. C-4-1426 will increase the total contract value to \$9,187,029.

Fiscal Impact

Funding for the Project was approved in OCTA's Fiscal Year 2018-19 Budget, Capital Programs Division, Account 0017-7519-FC106-06W, and is funded with federal Surface Transportation Block Grant and local M2 funds.

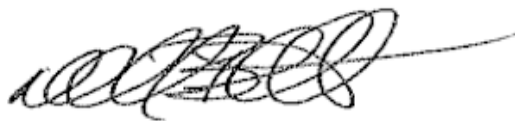
Summary

Staff requests Board of Directors' approval for the Chief Executive Officer to negotiate and execute Amendment No. 4 to Agreement No. C-4-1426 with TRC Solutions, Inc., in the amount of \$617,742, for additional design services for the Interstate 5 improvement project from south of Alicia Parkway to El Toro Road.

Attachment

- A. TRC Solutions, Inc., Agreement No. C-4-1426 Fact Sheet

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