



**April 2, 2018**

**To:** Regional Planning and Highways Committee

**From:** Darrell E. Johnson, Chief Executive Officer

**Subject:** Amendment to Agreement for Additional Design Services for 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. 3 to Agreement No. C-4-1426 between the Orange County Transportation Authority and TRC Solutions, Inc., in the amount of \$949,605, 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 \$8,569,287.

### **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 lane in the southbound direction between north of Alicia Parkway and south of Alicia Parkway, re-establish existing auxiliary lanes, add a new auxiliary lane southbound between the El Toro Road on-ramp

and the 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, and additional design services will include the following:

The environmental phase for the Project, which was completed in early 2014, identified northbound freeway widening within the City of Lake Forest that would have necessitated replacement of an existing retaining wall and soundwall, and the need to acquire a temporary construction easement (TCE) to perform this work. During the final design phase, the consultant, TRC Solutions, Inc., (TRC) proposed shifting the freeway alignment westerly, therefore eliminating the need for this wall replacement work. Since this realignment was proposed, TRC has worked with OCTA, the California Department of Transportation (Caltrans), and Orange County Parks (OC Parks) to determine the conceptual proposed realignment for Aliso Creek and the bike path.

As realignment of Aliso Creek was not identified in the environmental phase or the existing TRC contract scope, TRC will need to perform additional required geotechnical exploration, surveys, environmental studies, and a supplemental project report. TRC will also coordinate with Caltrans, the City of Laguna Hills, OC Parks, Orange County Flood Control District, State Water Resources Control Board, California Department of Fish and Wildlife, and the United States Army Corps Of Engineers regarding the environmental revalidation related to the Aliso Creek and bike trail realignments. This design and environmental effort was not anticipated in the original contract scope of work.

The Project's environmental document also included replacement of an existing soundwall and the need for another TCE on Bridger Road, also in the City of Lake Forest. TRC proposed shifting the freeway westerly, which eliminates this soundwall replacement work and the need to acquire the TCE. Shifting the freeway westerly requires realignment of Avenida De La Carlota, and TRC has coordinated with the City of Laguna Hills as part of the early stages of design. The design team will continue to work with the City of Laguna Hills, Caltrans, and various utility agencies such as Southern California Edison and Southern California Gas Company to reduce the impacts of the freeway realignment.

A rough order of magnitude (ROM) of cost savings due to the elimination of the need to replace the existing retaining and soundwalls between Aliso Creek and El Toro Road is approximately \$5 million. TRC has also identified another construction cost reduction measure, namely reducing the height of the existing sloped area westerly of the freeway, which in turn reduces the height, type, and cost of the proposed retaining wall between the I-5 freeway and Avenida De La Carlota, which will result in a ROM savings of approximately \$1 million. Recent changes to the Laguna Hills Mall redevelopment have also impacted the design for the realignment of Avenida De La Carlota. The design team will also coordinate with the utility agencies to ensure that all necessary utility potholing, grading, and phasing for utility relocations will be performed and utility agencies' relocation designs align with the Project's design. The design team will obtain updated title reports and make right-of-way (ROW) plan revisions as needed. The roadway and structural design, utility coordination, and ROW efforts required are more than originally anticipated in the contract scope of work.

Finally, updated Caltrans standards and changes to the design of the Project will require the design team to prepare a revised storm water data report.

### ***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 amend the existing agreement to 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 \$949,605, to be fair and reasonable relative to the negotiated level of effort. Proposed Amendment No. 3 to Agreement No. C-4-1426 will increase the total contract value to \$8,569,287.

### **Fiscal Impact**

Funding for the Project was approved in OCTA's Fiscal Year 2017-18 Budget, Capital Programs Division, Account 0017-7519-FC106-06W, and is funded with federal Surface Transportation Block Grant and local M2 funds.

**Amendment to Agreement for Additional Design Services for Interstate 5 Improvement Project from South of Alicia Parkway to El Toro Road** **Page 4**

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***Summary***

Staff requests Board of Directors' approval for the Chief Executive Officer to negotiate and execute Amendment No. 3 to Agreement No. C-4-1426 with TRC, Solutions, Inc., in the amount of \$949,605, 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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