



January 7, 2019

To: Regional Planning and Highways Committee

From: Darrell E. Johnson, Chief Executive Officer

Subject: Amendment to Agreement for Additional Design Services for Interstate 5 Widening Project Between State Route 73 and Oso Parkway

Overview

On June 9, 2014, the Orange County Transportation Authority Board of Directors authorized an agreement with WKE, Inc., for the preparation of plans, specifications, and estimates for the Interstate 5 widening project between State Route 73 and Oso Parkway. An amendment to the existing agreement is required for additional design services.

Recommendation

Authorize the Chief Executive Officer to negotiate and execute Amendment No. 7 to Agreement No. C-3-2189 between the Orange County Transportation Authority and WKE, Inc., in the amount of \$527,608, for additional design services for the Interstate 5 widening project between State Route 73 and Oso Parkway. This will increase the maximum cumulative obligation of the agreement to a total contract value of \$10,605,710.

Discussion

The Interstate 5 (I-5) widening project between State Route 73 (SR-73) and Oso Parkway (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 general purpose lanes in each direction on I-5 between SR-73 and Oso Parkway, re-establish existing auxiliary lanes, reconstruct the Avery Parkway interchange, and convert existing carpool lanes to continuous access. Additional Project scope has been identified which requires further

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design effort. An amendment to the Project design contract is recommended, and the additional design services will include the following:

In accordance with Agreement No. C-3-2189 and as required by the California Department of Transportation (Caltrans), the freeway widening will be designed to meet the latest standard plans and specifications (SP&S), procedures, and requirements. In October 2018, the SP&S were updated to revise certain design standards governing freeway design. Caltrans required that the Project plans be revised to meet the new standards which affected eight retaining walls and a bridge within the Project limits.

The freeway widening will require construction of new retaining walls and bridges with pile driving. Vibration from pile driving may affect existing nearby non-highway facilities; therefore, monitoring is required to reduce the risk of potential property damage claims. WKE, Inc. (WKE) will develop specifications for vibration monitoring survey of existing nearby non-highway facilities. WKE will also coordinate with two other segments of the I-5 widening project and obtain approval of the specifications from Caltrans.

To eliminate impacts to the existing slope, an additional retaining wall approximately 100 feet long is needed to be designed by WKE. The new retaining wall requires only a temporary construction easement instead of a permanent slope easement. This would result in an estimated cost savings of \$500,000, and eliminates a need for future slope maintenance by Caltrans.

Caltrans is responsible for the Project's ROW acquisition and certification. WKE's services are required to support Caltrans ROW, including survey staking, revisions to legal descriptions, plats and appraisal maps, preparation of resolution of necessity packages, and meetings.

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 March 2, 2015, in the amount of \$8,449,511. The agreement was amended previously as shown in Attachment A. It has become necessary to amend the existing agreement to include additional design services so that the plans, specifications, and estimates can be finalized.

OCTA staff negotiated the required level of effort with WKE to provide the additional design services. OCTA found WKE's price proposal, in the amount of \$527,608 to be fair and reasonable relative to the negotiated level of effort.

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Proposed Amendment No. 7 to Agreement No. C-3-2189 will increase the total contract value to \$10,605,710.

Fiscal Impact

Funding for the Project is included in OCTA's Fiscal Year 2018-19 Budget, Capital Programs Division, Account 0017-7519-FC102-06W, and is funded with a combination of 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. 7 to Agreement No. C-3-2189 between the Orange County Transportation Authority and WKE, Inc., to increase funding, in the amount of \$527,608, for additional design services for the Interstate 5 widening project between State Route 73 to Oso Parkway.

Attachment

- A. WKE, Inc., Agreement No. C-3-2189 Fact Sheet

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