




June 6, 2022

To: Regional Planning and Highways Committee

From: Darrell E. Johnson, Chief Executive Officer 

Subject: Amendment to Cooperative Agreement with the California Department of Transportation for the Interstate 5 Improvement Project from Oso Parkway to Alicia Parkway

Overview

On February 12, 2018, the Orange County Transportation Authority Board of Directors approved a cooperative agreement between Orange County Transportation Authority and the California Department of Transportation to provide construction capital and construction management services for the Interstate 5 Improvement Project from Oso Parkway to Alicia Parkway as part of the Interstate 5 Improvement Project between State Route 73 and El Toro Road. Board of Directors' approval is requested to amend the cooperative agreement for additional funding for construction support services.

Recommendation

Authorize the Chief Executive Officer to negotiate and execute Amendment No. 3 to Cooperative Agreement No. C-8-1426 between the Orange County Transportation Authority and the California Department of Transportation, in the amount of \$1,000,000, for additional construction support services for the Interstate 5 Improvement Project from Oso Parkway to Alicia Parkway. This will increase the maximum cumulative obligation of the cooperative agreement to a total contract value of \$172,796,000.

Discussion

The Orange County Transportation Authority (OCTA), in cooperation with the California Department of Transportation (Caltrans), is implementing the Interstate 5 (I-5) Improvement Project between State Route 73 (SR-73) and El Toro Road (Project). The Project is part of projects C and D in the Measure M2 (M2) freeway program and is being advanced through the updated Next 10 Delivery Plan approved by the OCTA Board of Directors (Board) in December 2021.

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The Project will add one general purpose lane in each direction on I-5 between Avery Parkway and Alicia Parkway, extend the second high-occupancy vehicle lane from El Toro Road to Alicia Parkway, re-establish auxiliary lanes, and construct new auxiliary lanes at various locations. In addition, the Project will reconstruct the Avery Parkway and La Paz Road interchanges, improve several existing on- and off-ramps, and convert existing and proposed carpool lanes to continuous access.

Construction is underway in three segments with the following Project limits:

- Segment 1 extends from SR-73 to south of Oso Parkway
- Segment 2 extends from south of Oso Parkway to south of Alicia Parkway
- Segment 3 extends from south of Alicia Parkway to El Toro Road

On February 12, 2018, the Board authorized Cooperative Agreement No. C-8-1426 with Caltrans to provide the construction capital and construction management support services for Segment 2, between Oso Parkway and Alicia Parkway.

Caltrans, as the construction phase implementing agency, is providing the resident engineer and structures representative and other field personnel, along with construction administrative support and environmental and paleontology monitoring of the Project, at an estimated cost of \$11,889,000. This cost is fully funded with federal State Transportation Block Grant (STBG) funds and Caltrans is drawing down these STBG funds directly. Other services include coordination and communications between the contractor and all other Project participants, processing, collecting, and maintaining Project communications and records, managing the recommendation of contractor progress payments, and processing of change orders and claims.

Additional construction support services are needed above the originally estimated level of effort due to different site conditions within the limits of the Project than what was known during the design phase based on standard investigations and as-built information. Different site conditions like these are often encountered during construction. The effects of the different site conditions may potentially impact the contractor's construction completion date. These impacts are being monitored with the intent to minimize delay to the completion date. The following describes the specific efforts needed:

- Additional construction support due to the presence of previously unknown contaminated soil. This contaminated soil was not identified in the construction contract documents and required testing, handling, and offsite disposal.

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- Additional construction support due to soil caving at the location of Retaining Wall 110. Analysis and recommendation for additional soil nails was approved so that this work could proceed without delay to the Project.
- Additional construction support due to inadequate existing concrete mainline pavement and asphalt shoulders (not shown on as-built plans) to handle additional traffic as part of the traffic staging for the Project.
- Additional construction support due to existing crash wall barriers in the railroad (Southern California Regional Rail Authority) right-of-way. The foundations of the crash wall barriers were not included in the construction contract documents and required partial demolition, removal, and reconstruction of new crash wall barrier foundations as part of the mainline and northbound La Paz Road off-ramp reconstruction.
- Additional construction support due to the lack of access to the railroad area which was required for construction. The construction management team had considerable coordination efforts to ensure a temporary crossing was approved for construction and operation while work was being performed in this vicinity.

Fiscal Impact

The Project is included in OCTA's proposed Fiscal Year 2022-23 Budget, Capital Programs Division, Account No. 0017-9084-FC105-06W. Funding for this amendment will be with federal STBG funding as specified in the Capital Programming Update (CPU) concurrent Board item. Additional details regarding project funding are also included in the CPU.

Summary

Staff requests Board of Directors' approval to authorize the Chief Executive Officer to negotiate and execute Amendment No. 3 to Cooperative Agreement No. C-8-1426 between the Orange County Transportation Authority and the California Department of Transportation, in the amount of \$1,000,000, for additional construction support services for the Interstate 5 Improvement Project from Oso Parkway to Alicia Parkway. This will increase the maximum obligation of the cooperative agreement to a total contract value of \$172,796,000, comprised of a construction capital share of \$148,232,000 and a construction support share of \$24,564,000.

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Attachment

- A. California Department of Transportation, Cooperative Agreement No. C-8-1426 Fact Sheet

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