

**Board Report**

File #: 2019-0557, **File Type:** Contract**Agenda Number:** 9.

**PLANNING AND PROGRAMMING COMMITTEE
OCTOBER 16, 2019****SUBJECT: I-5 NORTH HOV LANES CONTRACT****ACTION: APPROVE CONTRACT MODIFICATIONS****RECOMMENDATION**

AUTHORIZE the Chief Executive Officer to execute Contract Modification No. 12 to Contract No. AE469080015383 with CH2M Hill, Inc. (now Jacobs Engineering) for additional design services in the firm-fixed price amount of \$923,203 increasing the Total Contract Value from \$33,889,867 to \$34,813,070.

ISSUE

This modification to contract No. AE469080015383 is required to complete the Plans, Specifications and Estimate (PS&E) of the I-5 North High Occupancy Vehicle Lanes Project from SR-14 to Parker Road (Project). The additional work is needed to address changes in the baseline conditions of the corridor and Caltrans' changes in design requirements that were not anticipated in the original scope of work. The additional scope includes, but is not limited to:

- additional roadway improvements including overhead sign work, changing the guardrail systems due to a change in Caltrans Design Standards, and changes to the Magic Mountain Parkway NB off-ramp improvements due to a hotel redevelopment that started while the Project design was in progress;
- design changes due to changes in existing conditions as a result of the on-going Caltrans pavement rehabilitation project;
- design updates due to the release of Caltrans 2018 Revised Standard Plans;
- 43 additional non-standard specifications exceeding the original Scope of Work assumptions;
- incorporating additional right of way requirements, including appraisal maps, legal descriptions, and plats for the Temporary Construction Easements (TCEs) and Permanent Easements; and
- additional landscape work based on Caltrans requirement to locate trees in the field and the permit condition of a 5-year plant establishment and monitoring period.

BACKGROUND

The 13.9-mile project on I-5 from SR-14 to Parker Road was identified for capacity enhancements to improve the operations and safety of the corridor, facilitate the movement of freight and people and to

reduce existing and future forecasted congestion due to expected growth in the area.

The proposed improvements include the addition of one High Occupancy Vehicle (HOV) lane in each direction to improve mobility; extension of truck lanes from Calgrove Blvd. to South of Weldon Canyon in the southbound direction (2.23 miles) and from the Gavin Canyon undercrossing to Calgrove Blvd. in the northbound direction (0.98 miles); auxiliary lanes at various locations along the corridor (2.5 miles); widening of the existing roadway and 7 bridges including the Gavin Canyon Undercrossing, Calgrove Boulevard Undercrossing, Butte Canyon Bridge, Magic Mountain Parkway Undercrossing, Santa Clara Overhead, Rye Canyon Undercrossing, and Castaic Creek Bridge; and the replacement of the Weldon Canyon bridge to accommodate the proposed freeway widening.

The original contract for final design was approved by the Board on April 20, 2016.

DISCUSSION

Additional design work/changes required by Caltrans, changes in Caltrans standards, and Hazardous Waste analysis led to additional work not anticipated/included under the original contract. All projects on the State Highway System initiated by Metro need to comply with Caltrans requirements. Hence, the escalation in the value of the current contract that requires Board approval.

Considerations

DETERMINATION OF SAFETY IMPACT

The proposed action has no known adverse impact on the safety of Metro's patrons, employees or users of the facility. Caltrans highway safety standards are followed in the design of the proposed improvements and exceptions to the standards will be incorporated in accordance with Caltrans and Federal Highway Administration (FHWA) procedures.

FINANCIAL IMPACT

For FY20, \$15,862,673 has been budgeted in Highway Program Cost Center 4730, in the I-5 North Enhancements from SR-14 to Parker Road Project 460313, Task 5.5.101, in Professional Services Account 50316.

Impact to Budget

The sources of funds for this project are Measure R Highway Capital (20%) and Measure M (17%) Funds. These funds are not eligible for bus and rail operations and/or capital expenditures.

IMPLEMENTATION OF STRATEGIC PLAN GOALS

The recommendation supports Strategic Plan Goal No. 1, to provide high quality mobility options that enable people to spend less time traveling. New HOV Lanes add capacity to the I-5 and provide an incentive for carpool formation.

ALTERNATIVES CONSIDERED

The Board may elect not to approve the staff's recommendation. This option is not recommended. Without the design changes, final PS&E would not be approved, and the project would not advance to construction.

NEXT STEPS

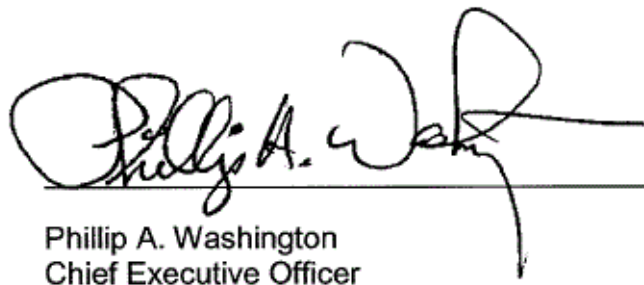
Upon approval by the Board, staff will execute Contract Modification No. 12 to Contract No. AE469080015383 with CH2M Hill, Inc. (now Jacobs Engineering).

ATTACHMENTS

Attachment A - Procurement Summary
Attachment B - Contract Modification/Change Order Log
Attachment C - DEOD Summary

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