



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

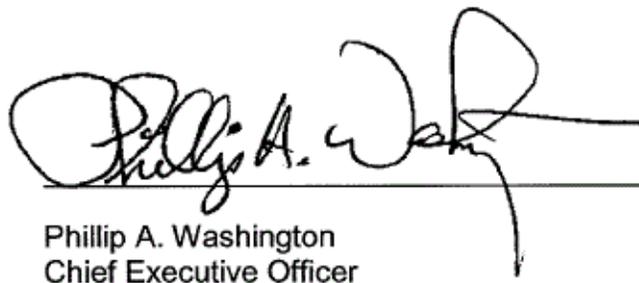
Upon approval by the Board, staff will execute Contract Modification No. 12 to Contract No. AE469080015383 with CH2M Hill, Inc. (now Jacobs Engineering).

ATTACHMENTS

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

Prepared by: Carlos J. Montez, Sr. Director, Program Management, (213) 418-3241
Abdollah Ansari, Senior Executive Officer, (213) 922-4781
Bryan Pennington, Deputy Chief Programming Management Officer, (213) 922-7449

Reviewed by: Richard F. Clarke, Chief Program Management Officer, (213) 922-7557
Debra Avila, Chief Vendor/Contract Management Officer (213) 418-3051



Phillip A. Washington
Chief Executive Officer

PROCUREMENT SUMMARY

PLANS, SPECIFICATIONS, & ESTIMATE FOR I-5 NORTH MANAGED LANES

AE469080015383

1.	Contract Number: AE469080015383		
2.	Contractor: CH2M Hill, Inc.		
3.	Mod. Work Description: Change alternative flared terminal systems, overhead signage work, design updates, appraisal maps, legal descriptions and plats for the I-5 North Managed Lanes Project.		
4.	Contract Work Description: Plans, Specifications & Estimate (PS&E) for I-5 North Managed Lanes		
5.	The following data is current as of: September 10, 2019		
6.	Contract Completion Status		Financial Status
	Contract Awarded:	April 28, 2016	Contract Award Amount: \$30,975,446
	Notice to Proceed (NTP):	June 13, 2016	Total of Modifications Approved: \$2,914,421
	Original Complete Date:	November 30, 2018	Pending Modifications (including this action): \$923,203
	Current Est. Complete Date:	December 31, 2021	Current Contract Value (with this action): \$34,813,070
7.	Contract Administrator: Andrew Conriquez		Telephone Number: 213.922.3528
8.	Project Manager: Carlos Montez		Telephone Number: 213.418.3241

A. Procurement Background

This Board Action is to approve Contract Modification No. 12 issued for professional services required to continue preparing Plans, Specification & Estimate (PS&E) on the I-5 North Managed Lanes.

This Contract Modification will be processed in accordance with Metro's Acquisition Policy and the contract type is a firm fixed price.

On April 28, 2016, the Board awarded a 30-month firm fixed price Contract No. AE469080015383 to CH2M Hill, Inc., for Plans, Specifications and Estimate (PS&E) for I-5 North Managed Lanes in the amount of \$30,975,446.

Refer to Attachment B – Contract Modification/Change Order Log for modifications issued to date.

B. Cost Analysis

The recommended price has been determined to be fair and reasonable based upon the technical analysis, independent cost estimate (ICE) and fact finding.

Proposal Amount	Metro ICE	Negotiated Amount
\$923,203	\$923,200	\$923,203

CONTRACT MODIFICATION/CHANGE ORDER LOG

PLANS, SPECIFICATIONS, & ESTIMATE FOR I-5 NORTH MANAGED LANES

AE469080015383

Mod. No.	Description	Status (approved or pending)	Date	\$ Amount
1	Scope Clarification	Approved	9/6/16	\$ 0
2	Modification to add sub-contractor	Approved	12/6/16	\$ 0
3	Added Supplemental Statement of Work	Approved	9/1/17	\$ 484,224
4	Added Supplemental Statement of Work	Approved	11/20/17	\$ 432,676
5	Added Supplemental Statement of Work	Approved	3/23/18	\$ 468,142
6	Added Supplemental Statement of Work	Approved	7/9/18	\$ 434,854
7	Modification to add sub-contractor	Approved	7/11/18	\$ 0
8	Added Supplemental Statement of Work	Approved	11/6/18	\$ 488,831
9	Modification to Extend the Period of Performance	Approved	12/20/18	\$ 0
10	Added Supplemental Statement of Work	Approved	6/10/19	\$ 473,039
11	Added Supplemental Statement of Work	Approved	8/13/19	\$ 132,655
12	Adding Supplemental Statement of Work	Pending	10/24/19	\$ 923,203
	Modification Total:			\$ 3,837,624
	Original Contract:		4/28/2016	\$ 30,975,446
	Total:			\$ 34,813,070

DEOD SUMMARY
I-5 NORTH HOV LANES / CONTRACT NO. AE469080015383

A. Small Business Participation

CH2M Hills, Inc. made a 23.98% commitment, inclusive of a 20.57% Small Business Enterprise (SBE) commitment and 3.41% Disabled Veteran Business Enterprise (DVBE) commitment. The project is 97% complete and CH2M Hill, Inc. is exceeding its commitment. The current participation is 25.06%, inclusive of 21.57% SBE participation and 3.49% DVBE participation.

Small Business Commitment	20.57% SBE 3.41% DVBE	Small Business Participation	21.57% SBE 3.49% DVBE
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	SBE Subcontractors	% Commitment	% Participation
1.	AP Engineering & Testing	0.35%	0.21%
2.	ACT Consulting Engineers	2.42%	2.39%
3.	Arellano Associates	0.91%	0.42%
4.	Civil Works Engineers	1.33%	1.25%
5.	FPL and Associates, Inc.	1.50%	2.71%
6.	Guida Surveying, Inc.	2.60%	3.49%
7.	Martini Drilling Group	1.14%	0.76%
8.	Tatsumi and Partners	1.86%	1.71%
9.	The Robert Group	0.11%	0.07%
10.	V & A Inc.	1.07%	1.10%
11.	Wagner Engineering and Survey	0.88%	0.91%
12.	WKE, Inc.	6.40%	6.55%
Total SBE Commitment		20.57%	21.57%

	DVBE Subcontractors	% Commitment	% Participation
1.	Calvada Surveying, Inc.	0.93%	0.96%
2.	Global Environmental Network	1.02%	0.39%
3.	USA-EPC Group, Inc.	0.62%	0.58%
4.	Virtek Company	0.84%	1.56%
Total DVBE Commitment		3.41%	3.49%

B. Living Wage and Service Contract Worker Retention Policy Applicability

The Living Wage and Service Contract Worker Retention Policy is not applicable to this modification.

C. Prevailing Wage Applicability

Prevailing Wage requirements are applicable to this project. DEOD will continue to monitor contractors' compliance with the State of California Department of Industrial Relations (DIR), California Labor Code, and, if federally funded, the U S Department of Labor (DOL) Davis Bacon and Related Acts (DBRA). Trades that may be covered include: surveying, potholing, field, soils and materials testing, building construction inspection, construction management and other support trades.

D. Project Labor Agreement/Construction Careers Policy

Project Labor Agreement/Construction Careers Policy is not applicable to this Contract. Project Labor Agreement/Construction Careers Policy is applicable only to construction contracts that have a construction contract value in excess of \$2.5 million.