

**Board Report**

File #: 2015-0532, **File Type:** Contract**Agenda Number:** 43.

REVISED
CONSTRUCTION COMMITTEE
JUNE 18, 2015

SUBJECT: I-405 SEPULVEDA PASS IMPROVEMENTS PROJECT**ACTION: AUTHORIZATION FOR CHANGE ORDER****RECOMMENDATION**

AUTHORIZED UNDER RECONSIDERATION the Chief Executive Officer to execute Change Order 195.00 to Contract No. C0882, with **Kiewit Infrastructure West Company, for settlement of Claim No.115 for the Additional Work for the Preparation of Fact Sheet Exceptions for Mandatory and Advisory Design Standards**, in the Agreed to amount of \$1,550,000, increasing the total contract value from \$911,755,372 to \$913,305,372. Requested funds are within the Life-of-Project (L-O-P) budget.

ISSUE

As part of the IFB package, preliminary plans and initial fact-sheets were provided by Caltrans to document several of the anticipated design exceptions at the end of the environmental phase in 2008. However, from 2009 to 2014, the final engineering design process for the I-405 Project included a rigorous review for each element of the project, performed by Caltrans Headquarters and District 7 staff, identifying a significant amount of additional design exceptions beyond those originally anticipated and required to complete the final engineering design work and achieve the State approvals for the project. These additional fact-sheets were required to facilitate any revised highway design features that (1) differed from the IFB base configuration, (2) resulted from a change order or other unforeseen condition in the field, and/or (3) required a supplemental or updated fact-sheet to document the design exceptions within the final construction drawings. Because this work was unforeseen, yet required to achieve State approval in order to facilitate construction, a change order is merited to compensate the contractor appropriately.

DISCUSSION

The I-405 Project required additional engineering design work by Kiewit to supply all required fact-sheets supporting the final design configuration of the Sepulveda Pass Widening Project for each of the Mandatory and Advisory design exceptions as required by Caltrans. As part of the preliminary

design information provided with the Invitation for Bid (IFB), Caltrans supplied an initial set of design exceptions that corresponded with the base project configuration for the proposed improvements on the project. However, through the design development process required to complete the final I-405 construction drawings, many more design exceptions to accommodate the project were identified by Caltrans and in turn, required a significant amount of additional design work to provide all Fact-Sheets for the Mandatory and Advisory features. These additional fact sheets were required to facilitate any revised highway design features that (1) differed from the IFB base configuration, (2) resulted from a change order or other unforeseen condition in the field, and/or (3) required a supplemental or updated fact sheet to document the design exceptions within the final construction drawings.

For each specific design exception, Kiewit is required to provide the following design, engineering analysis and drawings:

1. Identify non-standard feature
2. Identify location code
3. Identify location with alignment, station limits
4. Identify existing, proposed and standard criteria
5. Identify reason requesting exception
6. Identify constraints
7. Identify impacts to meeting standard design
8. Identify any mitigation efforts
9. Provide accident data analysis
10. Identify added costs to meet standard
11. Provide traffic volume data
12. Perform Safety analysis including accident data
13. Identify any incremental improvements feasible
14. Identify any future construction projects
15. Provide Accident Rate Calculations
16. Provide Location maps
17. Provide Exhibit layout plan/geometry plans
18. Provide Vertical profile, super elevation and typical section plans

A summary of the additional fact sheets required are approximately:

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Advisory Fact Sheets

- 32 Modified/Updated Fact Sheets
- 179 New Fact Sheets Required

Mandatory Fact Sheets

62	Modified/Updated Fact Sheets
197	New Fact Sheets Required
470	Total Fact Sheets

Scope of Work Tasks are summarized as the following:

1. Technical Analysis / Identification of Design Exception
2. Advisory Exception - Design Analysis, Cost Estimate and Safety Analysis (as described above)
3. Mandatory Exception - Design Analysis, Cost Estimate and Safety Analysis (as described above)
4. QA/QC per Design Quality Management Plan (DQMP)
5. Submittal/ Approval by District & Headquarters Reviewers

This action will authorize the Chief Executive Officer to issue a change order in an Agreed-to Amount of \$1,550,000 to settle Claim No. 115 for the Additional Work for the Preparation of Fact-Sheet Exceptions for Mandatory and Advisory Design Standards. Costs were negotiated in accordance with Metro's procurement policies and procedures.

DETERMINATION OF SAFETY IMPACT

The changes identified in this board report will have no impact on safety of the overall I-405 Project at completion.

FINANCIAL IMPACT

The costs associated with the above recommended action will be covered within the approved LOP budget. Funding for this modification is included in the FY15 budget in cost center number 8510, Construction Contracts/Procurement under Project 405523, I-405 Sepulveda Pass Widening Projects, account 53101, Acquisition of Buildings and Structures.

IMPACT TO BUDGET

The source of funding for this work is FHWA funds, State of California Department of Transportation funds, and Local matching funds. These funds are not eligible for bus and rail operating and capital projects.

ALTERNATIVES CONSIDERED

Due to Multiple Change Orders affect areas Project wide, there could be no alternates considered for completion of additional Fact Sheets.

ATTACHMENTS

- A. Procurement Summary
- B. Contract Modification / Change Order Log

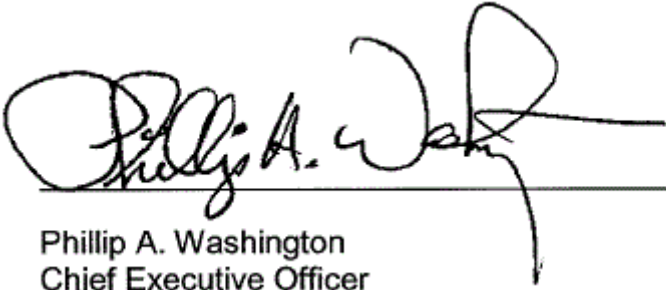
Prepared by: Michael A. Barbour
Executive Officer, Highway Project Delivery
310-846-3522

Reviewed by

Ivan Page, Interim Executive Director, Vendor Contract Management, (213) 922-6383

Nalini Ahuja, Executive Director, Finance and Budget (213) 922-3088

Bryan Pennington, Executive Director, Engineering & Construction, (213) 922-7449



Phillip A. Washington
Chief Executive Officer