



Board Report

File #: 2020-0284, **File Type:** Application

Agenda Number: 22.

**CONSTRUCTION COMMITTEE
MAY 21, 2020**

SUBJECT: SOUNDWALL PACKAGE 11 HIGHWAY PROJECT

ACTION: CONTRACT MODIFICATION

RECOMMENDATION

AUTHORIZE the Chief Executive Officer to:

EXECUTE Modification No. 19 to Contract No. C39033C1101-2 Soundwall Package 11 Highway Project for work above and beyond the original scope of services. This additional work is within the LOP budget and increases the total contract price in the amount of \$860,000, from \$66,041,760 to \$66,901,760.

ISSUE

During construction of Soundwall Package 11, permeation grouting was required at several bridge locations. Permeation grouting is an industry standard and a Caltrans accepted method of stabilizing and increasing bearing and friction capacity of in-situ soils and is accomplished by injecting grout deep into the soils at low pressure. The permeation grouting specification within the Soundwall Package 11 Contract did not match the soil conditions onsite, and the Contractor was requested to assist in investigating alternative methods to stabilize the soil.

Construction Modification 19 authorizes compensation to the Contractor in the amount of \$860,000 for additional time and overhead related to delays during permeation grouting investigation and re-design. This Modification increases the construction duration 287 Calendar Days, from December 19th, 2020 to October 2nd, 2021 for substantial completion.

Contract modifications on this project exceeding \$750,000 require Board authorization.

BACKGROUND

The Soundwall Package 11 Project is located entirely within Caltrans right of way and consists of construction of soundwalls on Route 170 from Route 101 separation to the Sherman Way

Overcrossing, and on Route 405 from north of Saticoy Street Undercrossing to Roscoe Boulevard Undercrossing. The project also includes modifying and widening eight existing bridges.

DISCUSSION

To accommodate new deep foundation Cast in Drilled Hole piles required for the bridge widenings, the design team incorporated a soil stabilization technique called permeation grouting. This grouting was to be performed at seven bridge widening locations. During the design phase, the design team performed investigation into the soils at these locations and included a specification that assumed the permeation grouting could be performed in accordance with Caltrans standard specifications. During construction, it was discovered that the soils at the bridge locations differed materially from a preferred soil profile that would accept the permeation grouting. The design team requested the Contractor to perform additional geotechnical surveys to determine the most appropriate path forward. After receiving the additional geotechnical information and performing additional design work, the Engineer of Record presented an acceptable solution to Caltrans and Metro. During this period of investigation and re-design, the critical path of the project was delayed 287 Calendar Days, with 215 days being excusable and compensable, and 72 days being excusable and non-compensable.

This Modification will include all costs associated with permeation grouting for the contract milestone delay.

DETERMINATION OF SAFETY IMPACT

There is no impact to public safety by approving this recommendation.

FINANCIAL IMPACT

The LOP budget for Soundwall Package 11 Highway Project is \$89,183,000 in local Measure R Highway 20% and Prop C 25% Funds.

The change identified herein will not increase the project budget for the current fiscal year, as the local funding is only a portion of the total project programmed funding in Cost Center 8410 (Construction Management), in Project 460324.

This a multi-year project, therefore the cost center manager and the Executive Officer, Program Management would be responsible for budgeting project costs in future fiscal years.

IMPACT TO BUDGET

The source of funds for this recommendation is Measure R (20%) and Prop C (25%) Highway Funds, which are not eligible for bus or rail operations. No other funds were considered.

IMPLEMENTATION OF STRATEGIC PLAN GOALS

The Project is consistent with the following Metro Vision 2028 Goals and Objectives:

Goal 1: Providing high-quality mobility options and improve transit efficiency;

Goals 4 and 5: Transforming LA County through regional collaboration with Caltrans and the Corridor Cities by contributing funds and providing resources to assist Caltrans in management and delivery of these projects.

ALTERNATIVES CONSIDERED

The Board may choose not to approve this staff recommendation. However, this decision would result in further schedule delay and cost increases.

NEXT STEPS

Upon Board approval, staff will execute Contract Modification No. 19 to Contract No. C39033C1101-2.

ATTACHMENTS

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

Prepared by:

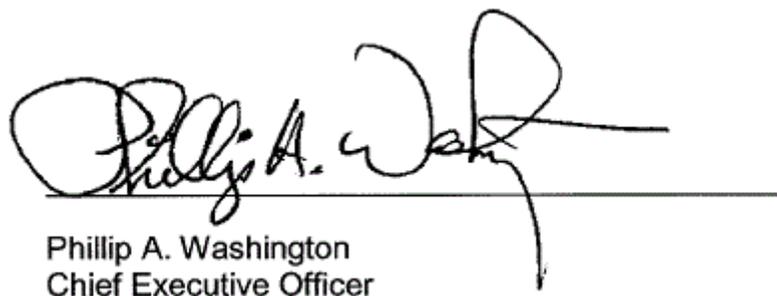
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