



CITY COUNCIL AGENDA REPORT

MEETING DATE: 2/2/2021

DEPARTMENT: Public Works

SUBJECT:

AUTHORIZE CONSTRUCTION CHANGE ORDER TO REPAIR ADDITIONAL PAVEMENT LOCATIONS IDENTIFIED IN SLURRY SEAL ZONE G (PORTOLA HILLS) AND ADJACENT TO BAKE PARKWAY AND TRABUCO ROAD

RECOMMENDED ACTION(S):

1. Approve Contract Change Order No. 1 to the agreement with American Asphalt South, Inc. in the amount of \$478,400 for the Slurry Seal Project for Non-Arterial Streets, Zone C (PW 2019-05A); Slurry Seal Project for Non-Arterial Streets, Zone G (PW 2020-05A); and Park Parking Lot Resurfacing (PW 2020-12) to repair additional deteriorated pavement within Zone G (Portola Hills) and to repair pavement on Trabuco Road south of Bake Parkway.
 2. Authorize the City Manager to sign, the City Clerk to attest, the Contract Change Orders, substantially in the form attached.
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EXECUTIVE SUMMARY:

On December 15, 2020, the City Council approved the construction contract with American Asphalt South, Inc. ("AAS") for the City's annual Slurry Seal Project for the streets between Muirlands and Jeronimo (Zone C), Portola Hills (Zone G), and the parking lots for the City's parks ("Project") for a not-to-exceed amount of \$1,464,594.40. Staff identified a total of 245,000 square feet ("sf") of pavement in need of repair in Portola Hills. The original plans included 70,000 sf of pavement replacement to stay within the engineers estimate and project budget constraints. After opening bids, the contractors bid was \$435,000 below the engineers estimate of \$1.9 million and approximately \$600,000 below the available funding from the Annual Pavement Program project budget. Staff recommends awarding a change order that would fix the additional pavement repair needs in Portola Hills. Staff also recommends taking advantage of low prices to fix an additional 9,000 sf of pavement on Trabuco Road that is in urgent need of repair. The proposed change order would add an additional 184,000 sf of pavement removal and replacement. As the cost exceeds the City Manager's authority, staff is requesting City Council approve Contract Change Order No. 1

("CCO #1") for an additional \$478,400. The original 10% City Manager authority would still be available as needed. Sufficient funds are included in the 2019-2021 Capital Improvement Projects ("CIP") budget for the recommended action.

BACKGROUND:

The City has an established annual street maintenance program to slurry seal and asphalt overlay public streets. As a requirement of OCTA's Measure M2 funding, the City utilizes a pavement management system to evaluate and score the condition of each street, biannually, on a Pavement Condition Index ("PCI").

The pavement management system provides recommendations to maintain a street's condition based on the PCI rating. The overall PCI for the entire City is 79 or rated "Good."

As part of the slurry seal program, staff also identifies locations on the street within the zone that require structural repairs in addition to the slurry seal. The contractor would perform these localized repairs prior to the application of the slurry seal. By addressing the localized repairs and then slurry sealing, the City reduces expensive reconstruction costs by extending the useful life of the pavement without the need for full resurfacing of the asphalt.

On December 15, 2020, the City Council approved the construction contract with AAS for the Slurry Seal Project for Non-Arterial Streets, Zone C (PW 2019-05A); Slurry Seal Project for Non-Arterial Streets, Zone G (PW 2020-05A); and Park Parking Lot Resurfacing (PW 2020-12) project. This contract was awarded to the lowest bidder for a not-to-exceed cost of \$1,464,594.40.

DISCUSSION:

The engineer's estimate for the total project was estimated at approximately \$1,900,000. This estimate utilizes the Pavement Management Plan and the PCI for a specific zone in conjunction with the available funding to improve the roadways to the maximum extent practicable. As part of the project development, the City identifies localized repairs within the slurry seal zone by conducting a pre-inspection survey of road conditions. 245,000 sf of needed repair was identified by the Construction Administration/Construction Inspection ("CA/CI") consultant for the Portola Hills area. The bid amount of pavement to repair was based on the engineer's estimate of \$1.9 million and the available budget. To stay within the estimated cost of the project, 70,000 sf of pavement repair was included in the project for bidding purposes, with the additional 175,000 sf of needed repair being deferred.

After opening bids, the contractors bid was \$435,000 below the engineers estimate of \$1.9 million and approximately \$600,000 below the available funding from the Annual Pavement Program project budget. Since the project came in under the engineer's estimate staff is requesting that City Council add an additional 175,000 sf of repair for the Trabuco Hills area by approving this change order. By addressing all localized repairs, the City reduces future expensive reconstruction costs. In addition, staff is recommending including an additional small area of 9,000 sf on Trabuco Road south of Bake Parkway that needs repair. This repair addresses a minor portion of deteriorated roadway identified by the Maintenance Department.

As the cost exceeds the City Manager's authority, staff is requesting the City Council approve Contract Change Order No. 1 ("CCO #1") for an additional \$478,400. The original 10% City Manager authority would still be available as needed. There are sufficient funds in the 2019-2021 CIP Budget for the recommended action.

FISCAL IMPACT:

The proposed CCO #1 would add \$478,400 to the contract compensation for a total contract amount of \$1,942,994.40. Sufficient funding exists in the 2019-2021 CIP Budget for Street Resurfacing and Slurry Seal Improvement project for the recommended action.

ATTACHMENTS:

Contract Change Order No. 1

Initiated By: Taylor Abernathy, Principal Civil Engineer

Submitted By: Thomas Wheeler, P.E., Director of Public Works/City Engineer

Approved By: Debra Rose, City Manager