



M E M O R A N D U M
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION
County of Placer

TO: Board of Supervisors DATE: April 21, 2020
FROM: Ken Grehm, Director of Public Works
By: Alice Atherton, Associate Civil Engineer and Matt Randall, Senior Civil Engineer
SUBJECT: Engineering / Contract Change Orders / Contract No. 000931 - Bridgeway Civil Constructors, Inc. / Bridge Rehabilitation Project on Bowman Road at Union Pacific Railroad

ACTION REQUESTED

Adopt a resolution increasing the authorization of the Director of Public Works, or designee, to execute construction Contract Change Orders to existing Contract No. 000931 with Bridgeway Civil Constructors from \$356,000 to \$534,000 for a total potential contract amount not to exceed \$4,095,284.

BACKGROUND

The Department of Public Works (Department) is currently rehabilitating two existing bridges on Bowman Road which cross the Union Pacific Railroad (UPRR) tracks. The project will rehabilitate and repair the deteriorating bridge decks, strengthen the bridge piers, abutments, and girders, and widen the bridges to current standards. The project will also construct sidewalks on the bridge and roadway approaches as well as provide additional shoulder width for bicycles. Each bridge is associated with a separate Federal Highway Bridge Program (HBP) project.

Your Board awarded Contract No. 000931 to Bridgeway Civil Constructors on January 29, 2019, in an amount not to exceed \$3,561,284, and authorized contract change orders (CCOs) up to \$190,564. On December 3, 2019, your Board increased the total CCO authority by \$165,436, to a total of \$356,000. This action requests an increase of \$178,000 in change order authority, for a total CCO authority of \$534,000.

CCO's have been used for unforeseen work to maintain traffic and provide wayfinding signs to local businesses and Bowman School, biological monitoring and bird nest removal costs, costs for premium time to mitigate railroad delays, work to carefully saw cut and salvage the two 1949 concrete date stamps on the Bowman bridge sidewalks for historic preservation purposes, and additional work related to the structural rehabilitation of the bridge. Construction is nearly complete, and Bowman Road re-opened to the public on March 20, 2020. Remaining work associated with this contract includes smaller, punch-list items associated with the roadway and bridge.

The Department anticipated the possibility of unforeseen circumstances that could require additional work not included in the original construction contract because of the proximity of the project to local businesses and for the higher risk bid items associated with construction directly adjacent to the railroad and specialty work associated with rehabilitating the existing bridges. Prior to construction, Caltrans obligated additional federal HBP and Regional Surface Transportation Program (RSTP) funding for CCO contingency for these reasons, as requested by the Department. See Exhibit A for a list of executed CCOs to date as well as a list of pending and potential Contract Change Orders (PCOs) that may be needed prior to contract completion. In summary, additional CCO authority is needed for unforeseen work needed to repair the existing bridge and roadway section and to accommodate unforeseen utility conflicts. The total cost impact as a result of these changes is not precisely known at

this time, but it is believed that the cost of these changes will be within the requested additional authorization.

Caltrans has confirmed that the additional costs are eligible for Federal Aid; therefore, the project is fully funded with the requested CCO authority.

ENVIRONMENTAL IMPACT

A Categorical Exemption pursuant to the California Environmental Quality Act (CEQA) was filed with the County Clerk Recorder on March 1, 2013 and the State Clearinghouse on March 5, 2013. The revalidated NEPA Categorical Exclusion Determination was approved by Caltrans on August 11, 2016

FISCAL IMPACT

The total contract cost is \$3,561,284. With the requested additional CCO authority, the total potential fiscal obligation under this contract is \$4,095,284.

The project is budgeted in the Department of Public Works FY 2019-20 Final Budget, Engineering Division, under projects PJ00505 and PJ00506, Bridge Rehabilitation Project on Bowman Road over UPRR. This contract is funded with \$3,462,659 Federal Highway Bridge Program funds and \$632,625 Federal RSTP funds. This is a multi-year project. The Department anticipates contract expenditures of \$2,500,000 in FY 2019-20.

ATTACHMENTS

Resolution

Vicinity and Location Map

Exhibit A – CCO & PCO List

Before the Board of Supervisors County of Placer, State of California

In the matter of: Adopt a resolution increasing the authorization of the Director of Public Works, or designee, to execute construction Contract Change Orders to existing Contract No. 000931 with Bridgeway Civil Constructors from \$356,000 to \$534,000 for a total potential contract amount not to exceed \$4,095,284.

Resolution No.: _____

The following Resolution was duly passed by the Board of Supervisors of the County of Placer at a regular meeting held April 21, 2020, by the following vote:

Ayes:

Noes:

Absent:

Signed and approved by me after its passage.

Chair, Board of Supervisors

Attest:

Clerk of said Board

BE IT RESOLVED, by the Board of Supervisors, County of Placer, State of California, that this Board increases the authorization of the Director of Public Works, or designee, to execute construction Contract Change Orders to existing Contract No. 000931 with Bridgeway Civil Constructors from \$356,000 to \$534,000 for a total potential contract amount not to exceed \$4,095,284.

BOWMAN ROAD BRIDGES REHABILITATION PROJECT VICINITY & LOCATION MAPS

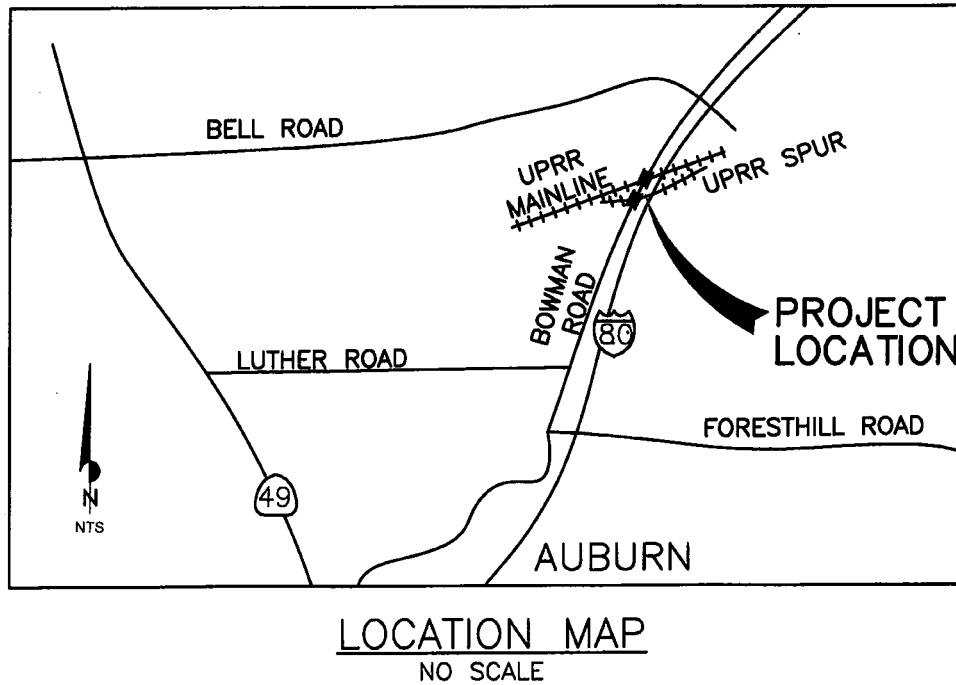
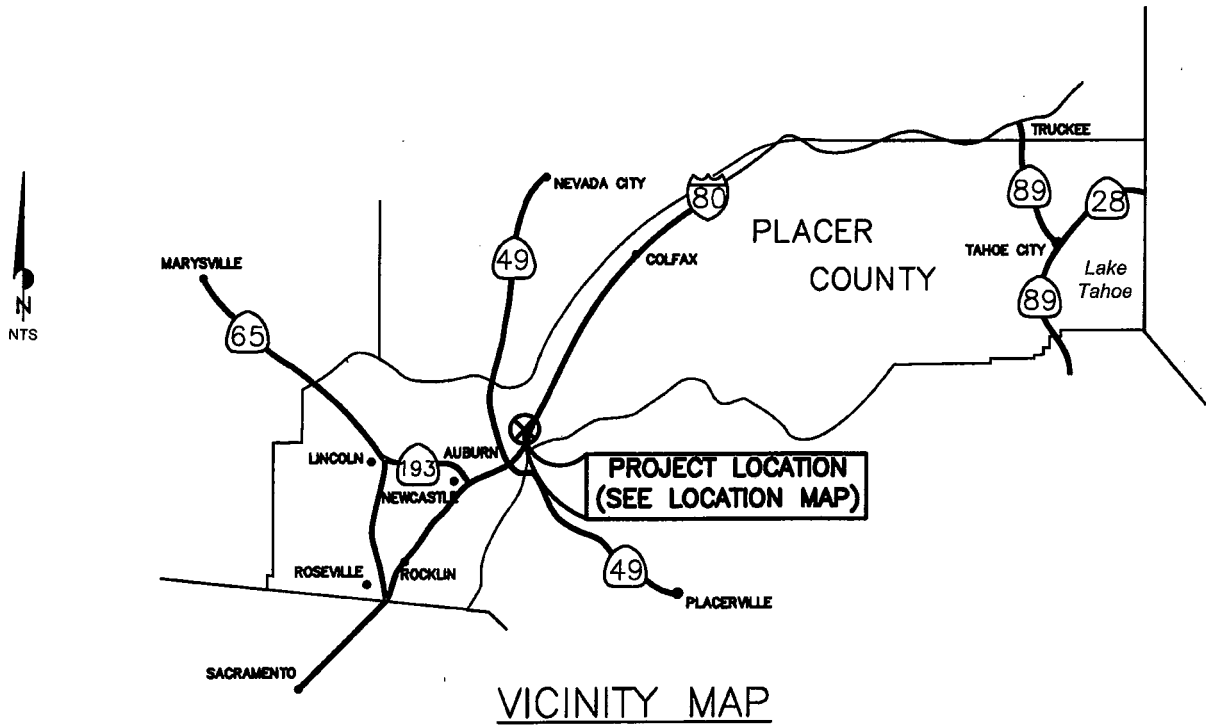


EXHIBIT A - CCO & PCO LIST

Bowman Road at UPRR Bridge Rehab Project
 Placer County DPW
 Contract #000931
 BRLO 5919 (086/087)
 Date: 3/29/2020

CONTRACT CHANGE ORDER LIST

CCO #	DESCRIPTION	AMOUNT
1	Maintain Traffic - Bowman School & Businesses	\$ 77,878
2	Biological Monitoring / Bird Nest Removal	\$ 56,660
3	PG&E Lower Gas Line / Utility Conflicts	\$ 4,000
4	Bridge Approach Traffic Safety Items	\$ 8,155
5	Value Engineering Cost Proposal - Micropile Savings	\$ (7,500)
6	Additional Construction Area Signs	\$ 4,426
7	Micropile detail and wingwall alignment - No Cost CCO	\$ -
8	Removal and Disposal of Homeless Trash	\$ 2,000
9	Machado Sign at Bell and Detour Sign at Bowman Offramp	\$ 1,320
10	Abutment bearing seat pedestals	\$ 5,000
11	Premium Time - UPRR Delay Mitigation	\$ 55,000
12	Salvage 1949 Concrete Signs for Historic Preservation	\$ 2,000
13	PG&E Structural Bracket Modifications for Utility Support	\$ 14,000
14	Unforeseen Repairs / Changes to Existing Girders	\$ 13,729
15	Modified Rebar Layout at Bridge Corners	\$ 1,576
16	Repair thin hydroblasted deck / Rebar clearances	\$ 2,000
17	Bridge Deck Resurfacing - No Cost CCO	\$ -
18	Spall Repair in Bridge Soffit	\$ 38,700
19	Credit for trail batch polyester concrete	\$ (1,000)

Subtotal: \$ 277,944

PENDING CONTRACT CHANGE ORDER LIST

CCO #	DESCRIPTION	AMOUNT
20	Abandoning manholes & raising PG&E boxes	\$ 8,000
21	Premium Time - Mitigation of Unforeseen Vertical Adjustment	\$ 10,000
22	Bowman Road Drainage System Changes	\$ 10,000
23	Unsuitable Material Repair of Roadway Section	\$ 48,675
24	Approach Slab/Barrier Rail PG&E Extension	\$ 10,000
25	Polyester Concrete Quantity Increase	\$ 40,000
26	Reduce BI 54 Galvanic Anodes	\$ -

Subtotal: \$ 126,675

POTENTIAL CHANGE ORDER LIST

PCO #	DESCRIPTION	AMOUNT
1	Extra Work Related to Railroad	\$ 50,000
2	Extra Work Related to Structural Rehabilitation	\$ 50,000
3	Other Unclassified Extra Work	\$ 29,381

Subtotal: \$ 129,381

SUMMARY

CCO's:	\$ 277,944
PENDING CCO's:	\$ 126,675
PCO's:	\$ 129,381
TOTAL:	\$ 534,000

