



COUNTY OF HUMBOLDT

AGENDA ITEM NO.

C-23

For the meeting of: December 8, 2015

Date: November 19, 2015

To: Board of Supervisors

From:  Thomas K. Mattson, Director of Public Works


Subject: **Construction Methacrylate Treatment to Six Bridges in Humboldt County,
Project No.: BPMP-5904(120), Contract No.: 214120**

RECOMMENDATION(S): That the Board of Supervisors:



1. Authorizes the Director of Public Works to sign contract change order number 1 for the total amount of \$18,785.22.
2. Approves the attached budget transfer to provide funding.
3. Accepts the completed contract, including all change orders approved by the Public Works Department, between J.F. Shea Construction, Inc., and Humboldt County for the methacrylate treatment project on six Humboldt County bridges.
4. Approves the final claim for payment, as submitted by the Public Works Department to the Auditor/Controller, in the amount of \$2,003.12. This will bring the total amount paid to 100 percent of the contract.

Prepared by: Tony Seghetti

CAO Approval 

REVIEW: Auditor  County Counsel _____ Personnel _____ Risk Manager _____ Other _____

TYPE OF ITEM:
☒ Consent
☐ Departmental
☐ Public Hearing
☐ Other _____

BOARD OF SUPERVISORS, COUNTY OF HUMBOLDT
Upon motion of Supervisor 
Seconded by Supervisor 
And unanimously carried by those members present,
The Board hereby adopts the recommended action
contained in this report.

PREVIOUS ACTION/REFERRAL:

Board Order No. C-12/C-18

Meeting of: January 21, 2014/March 25, 2014

Dated: Dec. 8, 2015
Kathy Hayes, Clerk of the Board

By: 

SOURCE OF FUNDING:

Road Fund – Federal Highway Administration (FHWA) Bridge Preventative Maintenance Program (BPMP)

DISCUSSION:

This project consisted of preparing and placing Methacrylate Resin treatment on the bridge deck of six county bridges. The bridges selected for this treatment were: Canyon Creek Bridge (4C-39) on Maple Creek Road, Salmon Creek Bridge (4C-56) on Salmon Creek Road, Bear Gulch Bridge (4C-156) on Redwood Drive, Freshwater Creek Bridge (4C-177) on Myrtle Avenue, Freshwater Creek Overflow Bridge (4C-238) on Myrtle Avenue, and McNutt Gulch Bridge (4C-243) on Mattole Road. This treatment is expected to extend the life and serviceability of the bridges.

Change order number 1 is an item balancing change order which calculates the total adjusted contract amount. Contract item number 5 overran by more than 25 percent of the original contract amount which requires an adjustment in compensation. An adjustment in compensation was performed using a force account analysis, but it was shown that no savings were realized. The item overrun was accepted at the original contract unit price. These changes are documented in contract change order number 1 for the total amount of \$18,785.22.

On January 27, 2015, the Board of Supervisors authorized the Clerk of the Board to advertise the above-referenced project for bids. On February 24, 2015, the county received four (4) bids for the project. The contract was awarded to J.F. Shea Construction, Inc., the lowest responsible bidder on March 16, 2015. The award amount was \$221,527.05. Change orders through projection completion amounted to an increase of \$18,785.22, which exceeds project contingencies included in the budget by \$7,708.87.

The project conforms to the Strategic Framework of the county by providing for and maintaining infrastructure.

FINANCIAL IMPACT:

Total construction costs for this project were \$240,312.27. This project is being funded through the Federal Highway Administration (FHWA) Bridge Preventative Maintenance Program (BPMP) which will provide 88.53 percent of the total cost of construction. The attached budget transfer provides the additional funds of \$7,709 required to fund the increased costs in the FY 2015-16 Road Fund budget.

OTHER AGENCY INVOLVEMENT:

California Department of Transportation (Caltrans)
Federal Highway Administration (FHWA)

ALTERNATIVES TO STAFF RECOMMENDATIONS:

Not to accept the change order; however, this is not recommended as this work is required for proper completion of the project.

ATTACHMENTS:

Contract Change Order Number 1
Budget Transfer
Acceptance Statement

CONTRACT CHANGE ORDER NUMBER	1	SUPPL. NO.	
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DATE PREPARED BY RESIDENT ENGINEER: OCTOBER 16, 2015

PROJECT NAME: CONSTRUCTION OF METHACRYLATE TREATMENT TO SIX BRIDGES IN HUMBOLDT COUNTY

PROJECT NO. BPMP 5904(120) CONTRACT NO. 214120

TO: J.F. SHEA CONSTRUCTION, INC.

YOU ARE HEREBY DIRECTED TO MAKE THE HEREIN DESCRIBED CHANGES FROM THE PLANS AND SPECIFICATIONS OR TO DO THE FOLLOWING DESCRIBED WORK NOT INCLUDED IN THE PLANS AND SPECIFICATIONS FOR THIS CONTRACT. NOTE THIS CHANGE ORDER IS NOT EFFECTIVE UNTIL APPROVED BY THE DIRECTOR OF PUBLIC WORKS

DESCRIPTION OF WORK TO BE DONE, ESTIMATE OF QUANTITIES, AND PRICES PAID. (SEGREGATE BETWEEN ADDITIONAL WORK AT CONTRACT PRICE, AGREED PRICE AND FORCE ACCOUNT.) UNLESS OTHERWISE STATED, RATES FOR RENTAL OF EQUIPMENT COVER ONLY. SUCH TIME AS EQUIPMENT IS ACTUALLY USED AND NO ALLOWANCE WILL BE MADE FOR IDLE TIME. THE LAST PERCENTAGE SHOWN IS THE NET ACCUMULATED INCREASE OR DECREASE FROM THE ORIGINAL QUANTITY IN THE ENGINEER'S ESTIMATE.

INCREASE IN CONTRACT ITEMS AT CONTRACT PRICES

ITEM NO. 5	RAPID SETTING CONCRETE (PATCH)							
	244.21	SF	76.55%	@	\$76.00	/	SF	= \$18,559.96
ITEM NO. 9	PREPARE CONCRETE BRIDGE DECK SURFACE							
	71.44	SF	0.20%	@	\$0.25	/	SF	= \$17.86
ITEM NO. 10	TREAT BRIDGE DECK (METHACRYLATE)							
	71.44	SF	0.20%	@	\$0.70	/	SF	= \$50.01
ITEM NO. 13	4" THERMOPLASTIC TRAFFIC STRIPE (ENHANCED WET NIGHT VISIBILITY)							
	281.00	LF	12.57%	@	\$3.50	/	LF	= \$983.50

TOTAL INCREASE = \$19,611.33

DECREASE IN CONTRACT ITEMS AT CONTRACT PRICES

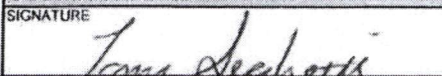
ITEM NO. 6	REMOVE TRAFFIC STRIPE							
	-75.82	LF	3.39%	@	\$1.05	/	LF	= -\$79.61
ITEM NO. 7	REMOVE PAVEMENT MARKER							
	-10.00	EA	8.93%	@	\$1.05	/	EA	= -\$10.50
ITEM NO. 11	FURNISH BRIDGE DECK TREATMENT MATERIAL							
	-14.00	GAL	3.46%	@	\$48.00	/	GAL	= -\$672.00
ITEM NO. 15	PAVEMENT MARKER REFLECTIVE							
	-4.00	EA	14.29%	@	\$16.00	/	EA	= -\$64.00

TOTAL DECREASE = -\$826.11

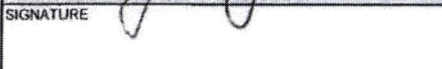
BALANCE = \$18,785.22

BY REASON OF THIS CHANGE, THE CONTRACT TIME WILL BE INCREASED BY 0 WORKING DAYS

SUBMITTED BY:

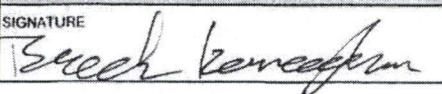
SIGNATURE	PRINT NAME AND TITLE	DATE
	TONY SEGHETTI, CONSTRUCTION ENGINEER	10/16/2015

DIRECTOR APPROVAL BY:

SIGNATURE	PRINT NAME AND TITLE	DATE
	TOM MATTSON, DIRECTOR OF PUBLIC WORKS	

WE, THE UNDERSIGNED CONTRACTOR, HAVE GIVEN CAREFUL CONSIDERATION TO THIS CHANGE PROPOSED AND AGREE, IF THIS PROPOSAL IS APPROVED, THAT WE WILL PROVIDE ALL EQUIPMENT, FURNISH ALL MATERIALS, EXCEPT AS MAY OTHERWISE BE NOTED ABOVE, AND PERFORM ALL SERVICES NECESSARY FOR THE WORK ABOVE SPECIFIED, AND WILL ACCEPT AS FULL PAYMENT, THEREFORE, THE PRICES SHOWN ABOVE. NOTE: IF YOU, THE CONTRACTOR, DO NOT SIGN ACCEPTANCE OF THIS ORDER, YOUR ATTENTION IS DIRECTED TO THE REQUIREMENTS OF THE SPECIFICATION AS TO PROCEEDING WITH THE ORDERED WORK AND FILING A WRITTEN PROTEST WITHIN THE TIME THEREIN SPECIFIED.

CONTRACTOR ACCEPTANCE BY:

SIGNATURE	PRINT NAME AND TITLE	DATE
	Brock Kernaghan	11-20-15

COUNTY OF HUMBOLDT
REQUEST FOR BUDGET TRANSFER/ADJUSTMENT

A _____

DEPARTMENT: Public Works DEPARTMENT #: 321 POSTING DATE: 12/8/2015

1.) The reason for this budget transfer request is:

<input type="checkbox"/>	Transfer within expenditure/revenue category (with Auditor Approval)	Original only
<input checked="" type="checkbox"/>	Transfer between expenditure/revenue category (with CAO & Auditor Approval)	Original +1
<input type="checkbox"/>	Increase/decrease Intrafund Transfer account (with Board Approval)*	Original +1
<input type="checkbox"/>	Transfer to or from Contingencies (with Board Approval)*	Original +1
<input type="checkbox"/>	Increase/decrease budget unit appropriation (with Board approval)*	Original +1
<input type="checkbox"/>	Establish/transfer funds in Fixed Assets <\$10,000 (CAO & Auditor Approval)	Original +1
<input type="checkbox"/>	Establish/transfer funds in Fixed Assets >\$10,000 (with Board Approval)*	Original +1

Amount:	Transfer to Account:	Transfer from Account:
\$ 7,709.00	1200321-0314	1200321-2118

3.) In the space below, state (a) reason for transfer request, (b) reason why there are sufficient balances in affected accounts, and (c) why transfer cannot be delayed until next budget year.

To provide funding for construction contract Final per attached BOS agenda item- Project #214120

4.) Department Authorization:

Date 11/20/15 (signed) [Signature]

5.) Account balances verified by Auditor-Controller

Date 11/20/15 (signed) [Signature]

6.) ☐/Approved ☐/Not approved ☒/Recommended ☐/Not recommended

County Administrative Officer:

Date 11/23/15 (signed) [Signature]

INSTRUCTIONS

SEND ORIGINAL REQUEST FOR BUDGET TRANSFER DIRECTLY TO THE AUDITOR-CONTROLLER.

* Requires copy of Board Order to be attached

Posted by _____

Construction of Methacrylate Treatment to Six Bridges in Humboldt County
Project # BPMP-5904 (120)
County project # 214120

PROPOSED FINAL ESTIMATE OF WORK DONE ON SIX BRIDGES IN HUMBOLDT COUNTY

CONTRACT ITEMS (As detailed on attachment):

ORIGINAL CONTRACT AMOUNT	\$221,527.05
TOTAL APPROVED CHANGE ORDERS	\$ 18,785.22
TOTAL CONTRACT	\$240,312.27

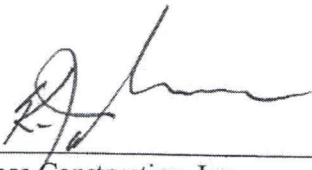
ACCEPTANCE STATEMENT

I have examined the above proposed Final Estimate and agree to accept the total of \$240,312.27 as full payment for all work performed on the above contract, except as may be indicated below.

Exceptions (Check One):

☒ None

☐ As indicated per attachment letter
dated _____.

By 
J.F. Shea Construction, Inc.

Title _____

Date _____

Please return this statement to:

Business Division
County of Humboldt Public Works
1106 2nd Street
Eureka, CA 95501