

“Placerville, a Unique Historical Past Forging into a Golden Future “



City Manager's Report
July 11, 2017 City Council Meeting
Prepared By: Rebecca Neves, City Engineer

Item#: 12.2

Subject: Adopt a resolution:

1. Approving Construction Contract Change Order (CCO) Nos. 17 through 24 with McGuire and Hester for the Blairs Lane Bridge Replacement Project (CIP #40604) in the amount of \$137,363.39; and
2. Approving Addendum No. 2 to UNICO Engineering in an amount of \$78,000 for continued Construction Management Services; and
3. Approving a budget appropriation from Silverado Village Placerville, LLC in the amount of \$410,100 for the said project.

Background:

At its regularly scheduled meeting on September 27, 2016, the Council approved a budget appropriation from Silverado Village Placerville, LLC as well as authorized staff to issue Notice to Proceed (NTP) #2 to UNICO Engineering (UNICO) to continue with Construction Management Services for the Blairs Lane Bridge Replacement Project. On December 13, 2016, Council approved NTP #3 to UNICO's contract, bringing it to the full approved value of \$642,789. At the same meeting, Council also approved Contract Change Orders (CCOs) Nos. 5 through 10 with McGuire and Hester (M&H). At the regularly scheduled meeting on March 28, 2017, Council approved CCOs 11 through 15. Project construction began on April 18, 2016 and is complete with the exception of corrective work remaining in the Hangtown Creek channel.

Discussion:

CCO's 1 through 15 were approved by the Council previously with CCO 16 in the amount of \$1,038.98 approved administratively under the City Manager's signatory authority. The remaining CCO's are as follows:

CCO #17 – SWPPP Time and Materials, \$44,203.12

This change order covered work performed to attain adequate compliance beyond what was included in the contract through the use of Best Management Practices throughout the project site to address the Risk Level 2 requirements stated in the Construction General Permit issued by the Regional Water Quality Control Board for the months of October through December 2016.

CCO #18 – Sewer Line and Water Line Expansion Joints, \$17,590.61

The project plans did not provide for an expansion joint in the 8" Sewer Line that is attached to the bridge. It was determined after speaking with designer that an expansion joint was required. Also required is an additional two brackets, one on each side, to support the expansion joint.

Additionally, the brackets for the waterline did not take into account the diameter of the water line expansion joint. The diameter of the expansion joint is larger than the 10" ductile iron pipe. The design for the brackets was unable to accommodate this larger diameter. New brackets were

fabricated and installed, one on each side of the expansion joint, to provide for this larger diameter.

CCO #19 – Erosion Control, \$23,579.38

This change order covered work performed to attain adequate compliance beyond what was included in the contract through the use of Best Management Practices throughout the project site to address the Risk Level 2 requirements stated in the Construction General Permit issued by the Regional Water Quality Control Board for the months of January through March 2017.

CCO #20 – Conform to Existing Grade, \$31,940.62

Various in field grade changes and adjustments were needed for finish grade and surfacing as they were not adequately or correctly shown on the contract documents.

CCO #21 – Traffic Control, \$1,234.67

On the morning of February 23, 2017 the alternate road up to Eskaton was too icy to drive up. The contractor was directed to open Blairs Lane and provide traffic control so that residents and emergency vehicles could access Eskaton.

CCO #22 – AC Pipe Disposal, \$2,051.04

Asbestos Concrete (AC) pipe was encountered while excavating for the new storm drain along Blairs Lane and needed to be removed and disposed of properly. Approximately 56LF of this pipe was removed from Station 107+97 to Station 108+53. The material was transported and disposed of at a landfill.

CCO #23 – Storm Drain System Modifications, \$7,706.47

The invert of the existing 36" storm drain on the south side of the bridge was up to 2.25 feet higher than shown on the plans. As such, drain systems 3 and 4 could not be constructed per plan. In addition, storm drain system 7 had to be shifted to the east to accommodate the construction of sanitary sewer manhole #6. The 12-inch storm drain lateral from drain inlet 7d to storm drain manhole 7 could not be installed due to existing PG&E utility conduits. This 12-inch pipe was changed to 2 each 8-inch pipes and the laterals were routed around the PG&E utilities.

CCO #24 – Various Work at Force Account, \$9,057.48

- Pothole Sanitary Sewer Line at Station 107+42 (M&H COR 18): The contractor provided additional labor to locate the Sanitary Sewer Lateral Tie in Point at Station 107+42. This lateral was for the Valero gas station.
- Unsuitable Subgrade: Unsuitable subgrade was identified in the field. The unsuitable material was removed and replaced with Class 2 AB.
- Unsuitable Material and AC Deep Lift: The contractor removed unsuitable material, as identified by the onsite QA/QC representative on the day of paving, and replaced this material with a deep lift of AC.

UNICO Engineering – Addendum No. 2 \$78,000

As a result of the intense winter storms, project schedule extension, additional project inspections, testing, and documentation to comply with the various project permits, contractor change order requests, and inclusive of work related to corrective measures to be addressed by the contractor in July. Additional budget is being requested to carry the continued construction management efforts through project close out. The efforts related to the corrective work in the creek channel total approximately \$35,000 and will be deducted from the final payment to the contractor at project close out as per the contract.

Budget Impacts:

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The Blairs Lane Bridge Replacement Project is funded primarily through the Federal Highway Bridge Program (HBP). The City Council adopted the Fiscal Year 2005/2006 Capital Improvement Program (CIP) Budget which appropriated \$1,265,000 for the Blairs Lane Bridge over Hangtown Creek Project (CIP #40604). The City Council appropriated an additional \$32,600 at its meeting held on February 25, 2014. At its regularly scheduled meeting held on June 23, 2015, the Council approved an additional \$3,374,360 budget appropriation. Additionally, the Council approved a budget appropriation in an amount of \$156,400 at its September 27, 2016 meeting. At the December 13, 2016 meeting, the Council approved a budget appropriation in the amount of \$90,600. At that meeting, there were also budget appropriations in the amounts of \$75,000 and \$48,000 from the Sewer Enterprise Fund and the General Fund respectively. At the March 28, 2017 meeting, the Council approved a budget appropriation in the amount of \$219,891 for a total project budget of \$5,261,851. Staff is recommending an additional \$410,100 budget appropriation from Silverado Village Placerville, LLC for a total project budget of \$5,671,951.

It was anticipated that the \$75,000 from the Sewer Enterprise fund and the \$48,000 from the General Fund would be reimbursed from the HBP funding. However that funding will not be available until a later date. This is the same case for the \$410,100 in funding being requested from Silverado Village Placerville. We anticipate funding from HBP will cover this cost. However, due to a funding shortage in the HBP, those funds may not be reimbursed until the next Federal Fiscal Year which starts October 1, 2017. The City cannot carry \$410,100 cost until that time, and therefore we are requesting funding from Silverado to cover the cost. When and if we are reimbursed from HBP, the funding will be returned to Silverado Village.

The current and proposed project budgets are summarized below:

Revenue Source	Revised Revenue Budget	Proposed Revenue Budget	Difference Increase/ (Decrease)
HBP	\$ 4,606,251	\$ 4,606,251	\$ -
Silverado Village Placerville, LLC	500,000	910,100	410,100
Measure H Fund	16,700	16,700	-
Water Enterprise Fund	15,900	15,900	-
Sewer Enterprise Fund	75,000	75,000	-
General Fund	48,000	48,000	-
Total	\$ 5,261,851	\$ 5,671,951	\$ 410,100

To date, the project has encumbered the following costs:

McGuire and Hester Original Contract	\$ 2,684,669
McGuire and Hester (Change Order No. 1)	28,416
McGuire and Hester (Change Order No. 2)	87,021
McGuire and Hester (Change Order No. 3)	13,735
McGuire and Hester (Change Order No. 4)	54,404
McGuire and Hester (Change Order No. 5)	(75,663)
McGuire and Hester (Change Order No. 6)	5,701
McGuire and Hester (Change Order No. 7)	4,908
McGuire and Hester (Change Order No. 8)	4,084
McGuire and Hester (Change Order No. 9)	39,430
McGuire and Hester (Change Order No. 10)	115,014
McGuire and Hester (Change Order No. 11)	-
McGuire and Hester (Change Order No. 12)	36,900
McGuire and Hester (Change Order No. 13)	5,339
McGuire and Hester (Change Order No. 14)	5,165
McGuire and Hester (Change Order No. 15)	9,520
McGuire and Hester (Change Order No. 16)	1,039
McGuire and Hester (Proposed Change Order No. 17)	44,203
McGuire and Hester (Proposed Change Order No. 18)	17,591
McGuire and Hester (Proposed Change Order No. 19)	23,579
McGuire and Hester (Proposed Change Order No. 20)	31,941
McGuire and Hester (Proposed Change Order No. 21)	1,235
McGuire and Hester (Proposed Change Order No. 22)	2,051
McGuire and Hester (Proposed Change Order No. 23)	7,706
McGuire and Hester (Proposed Change Order No. 24)	9,057
UNICO Engineering, Inc. Contract	642,789
UNICO Engineering, Inc. (Addendum No. 1)	106,584
UNICO Engineering, Inc. (Proposed Addendum No. 2)	78,000
Quincy Engineering, Inc. (Original Agreement)	105,500
Quincy Engineering, Inc. (Addendum No. 1)	311,400
Quincy Engineering, Inc. (Addendum No. 2)	115,910
Quincy Engineering, Inc. (Addendum No. 3)	43,400
Quincy Engineering, Inc. (Addendum No. 4)	172,000
Quincy Engineering, Inc. (Addendum No. 5)	211,177
Quincy Engineering, Inc. (Addendum No. 6)	-
Quincy Engineering, Inc. (Addendum No. 7)	40,500
AT&T	3,426
B & B Locating, Inc.	2,000
Best Best & Krieger	27,683
California Department of Transportation	7,196
Counihan Consulting Engineering	1,330
John Driscoll, City Attorney	2,916
E&TS Consulting	162
El Dorado County Environmental Management	438
El Dorado County Recorder/Clerk	1,800
El Dorado Water & Shower Services, Inc.	7,390
Ferguson Enterprises	335
Foothill Tree Service	2,565
Holdredge & Kull	3,823
Inter-County Title Company	33,269

McDonough Holland & Allen	415
Mountain Democrat	102
National Fish and Wildlife Foundation	17,800
Omni Means-Interim City Engineer	3,375
Patrick Orelli	650
PCS Appraisal	3,250
PG&E	117,382
Placer Title Company	54,052
Sierra Rock	1,480
Signa Mechanical	14,133
State Department of Fish and Game	5,158
State Treasury, Condemnation Fund	1,395
State Water Resources Control Board	3,960
Statewide Traffic Safety	1,288
Engineering Staff	146,355
Total	\$ 5,449,433

As you can see, the \$5,449,433 in total project encumbrances, including the proposed \$137,363.39 in construction contract change orders (Nos. 17 through 24) with M&H, and the \$78,000 Addendum No. 2 with UNICO Engineering, are within the \$5,671,951 proposed project budget. Therefore staff is recommending approving Addendum No. 2 with UNICO and Contract Change Orders No. 17 through 24 with M&H.

Recommendation:

Adopt a Resolution:

1. Approving Construction Contract Change Order (CCO) Nos. 17 through 24 with McGuire and Hester for the Blairs Lane Bridge Replacement Project (CIP #40604) in the amount of \$137,363.39; and
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Rebecca Neves, City Engineer



Pierre Rivas, Development Services Director



M. Cleve Morris, City Manager

Attachments:

1. Resolution
2. CCOs No. 17 – 24 Memos (electronic copy only)
3. UNICO Addendum No. 2 Request