



# CITY OF WHEATLAND

## CITY COUNCIL MEETING STAFF REPORT

August 13, 2019

**SUBJECT:** Malone Culvert Replacement Project Phase 2 Award of Contract

**PREPARED BY:** Dane H. Schilling – City Engineer  
Asa Utterback-Coastland Engineering

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### **Recommendation**

Staff recommends adopting Resolution 30-19:

1. Amending the Fiscal Year 2019-20 Budget for the project by allocating \$107,083 from the Sewer Impact Fee fund and allocating \$100,000 from the General Fund.
2. Awarding a construction contract to Precision Earthworks Construction, Inc. for construction of the Malone Culvert Replacement Project Phase 2 and authorizing the City Manager to execute change orders not to exceed the project budget.

### **Background/Discussion**

On March 22, 2018, City staff became aware that the Malone Avenue culvert was failing catastrophically during a storm event and the road was closed due to safety concerns. Malone Avenue is the primary access to the City's wastewater treatment plant. Staff made arrangements with Reclamation District 2103 to use the Bear River Levee as an alternative means of access. However, making left-turns from the levee road onto Highway 65 is difficult due to limited sight distance combined with highway speeds, and even more difficult in larger utility vehicles.

Staff recommended the removal of the existing structure under an emergency resolution to ensure removal can be completed before seasonal run-off began in the 2018-19 rain season. On September 24, 2018, the City received bids for the removal of the failed culvert and awarded a contract to B&M Builders in the amount of \$41,725.

During the course of the removal work (Phase 1) it was discovered that a City-owned sewer force main, a small waterline, a telephone cable and a small abandoned natural gas service were placed over the old culvert causing the need to revise the scope of the contractor's work and issue a change order to relocate, remove or protect these utilities in-place. The most notable cost item of this change order was the City's 8-inch sewer force main. The force main could not be out of

service for more than 4-hrs at a time so a temporary by-pass was required. This work was performed by contract change orders with B&M Builders. The cost of the change orders plus the associated design work provided by Coastland Engineering totaled \$107,083 in sewer relocation work. It should be noted that this work was not anticipated in the original project budget because records indicated the sewer force main was below the old culvert. Table 1 below provides a summary of all project costs from the Phase 1 emergency work.

**Table 1 - Phase 1 Emergency Work Cost Summary**

Description	Cost
Project Management , Design and Environmental	\$ 49,895
Construction	\$ 129,705
Construction Management & Inspection	\$ 18,143
<b>Total Phase 1 Emergency Expenditures</b>	<b>\$ 197,743</b>

The removal of the old culvert and utility work was completed in December 2019 leaving the waterway now clear of obstructions. The roadway remains closed until Phase 2 is complete.

The City's environmental consultant performed the necessary environmental surveys and obtained a streambed alteration permit from the State which included the purchase of mitigation bank credits to offset the loss of wetlands. In addition, Staff prepared a CEQA Notice of Exception for the project.

On July 9, 2019 Staff recommended and Council approved that the materials for the steel arch culvert be procured directly by the City in advance of constructing the Project. Also, staff added an option ("Alternate 1") to the bid documents to construct 20-ft wide asphalt paving on Malone Avenue within the project limits.

Bids were received until 2:00 pm on August 6, 2019. Bids were received from five contractors as follows:

**Table 2 - Bid Summary - Malone Culvert Replacement Phase 2**

	Base Bid	BASE + Alternate
Engineer's Estimate	\$ 120,516.00	\$ 135,916.00
Precision Earthworks Construction, Inc. *	\$ 148,127.00	\$ 172,997.00
B&M Builders, Inc.	\$ 206,425.00	\$ 211,645.00
Edward T Navickis	\$ 189,502.20	\$ 218,487.20
Newland Entities, Inc.	\$ 214,285.00	\$ 227,323.00
R&R Horn, Inc.	\$ 361,595.00	\$ 388,610.00

Note \* - Apparent Low Bidder

Staff has verified that the apparent low bidder's license is valid and the required insurance and bonding is in order. Staff is recommending award of a contract to Precision Earthworks Construction, Inc. of Loomis for the Project in the amount of \$172,997.

Replacement work is expected to be complete and the roadway re-opened before the 2019 rain season begins. Table 3 provides a summary of the projected Phase 2 costs, including construction costs and allowed contingencies.

**Table 3 - Phase 2 Culvert Replacement Cost Summary**

Description	Cost
Project Management, Design and Environmental	\$ 67,200
Environmental Permit Government Fees (State of CA)	\$ 6,879
Material Procurement (Metal-plate Arch)	\$ 16,386
Construction	\$ 172,997
Construction Management & Inspection	\$ 16,500
Contingencies	\$ 25,400
<b>Total Planned Phase 2 Replacement Expenditures</b>	<b>\$ 305,362</b>

**Table 4 – Estimated Total Project Cost**

Phase 1 Emergency Work	\$ 197,743
Phase 2 Culvert Replacement	\$ 305,362
<b>Total Cost</b>	<b>\$ 503,105</b>

**Fiscal Impact**

The original project estimate presented to the City Council in July 2018 was \$500,000. The total project cost for both phases is now estimated at \$503,105. A \$300,000 transfer to the Malone project was approved by Council as part of the FY 2019/2020 Budget. To provide the needed additional funding to complete the project, the attached resolution authorizes the following FY 2019/2020 budget amendments:

- Transfer \$100,000 from the General Fund to the Malone Capital Project Fund
- Transfer \$107,083 from the Sewer Collection Impact Fund to the Malone Capital Project Fund to cover the costs of relocating the force main

The City is pursuing an agreement with the Heritage Oaks Estates East developer that, if entered into, will reimburse the City for all costs associated with this project.

**Attachments**

1. Resolution 30-19

**RESOLUTION NO. 30-19**

**RESOLUTION AMENDING THE FISCAL YEAR 2019-20 BUDGET ALLOCATING  
ADDITIONAL FUNDS, AUTHORIZING THE CITY MANAGER TO AWARD A  
CONSTRUCTION CONTRACT WITH PRECISION EARTHWORKS CONSTRUCTION, INC.  
FOR CONSTRUCTION OF THE MALONE CULVERT REPLACEMENT PROJECT PHASE 2  
AND AUTHORIZING THE CITY MANAGER TO EXECUTE CHANGE ORDERS NOT TO  
EXCEED THE PROJECT BUDGET THE MALONE AVENUE CULVERT REPLACEMENT  
PROJECT PHASE 2**

**WHEREAS**, in March 2018, the culvert structure ("Malone Culvert") that carries Malone Avenue over South Grasshopper Slough (formerly Baxter Slough) catastrophically failed and that portion of Malone Avenue in the vicinity of the culvert was closed by the City to ensure public safety; and

**WHEREAS**, the City, various utility owners and property owners rely on the Malone Culvert to access their properties; and

**WHEREAS**, the City's wastewater facilities and surrounding properties may incur damage, and public safety may be compromised if the failed culvert is allowed to remain in-place; and

**WHEREAS**, the City of Wheatland has completed removal of the culvert under separate actions; and

**WHEREAS**, City staff is pursuing funding from outside of the City budget to pay for the project but has not yet obtained outside funding; and

**WHEREAS**, the City's Fiscal Year 2019-2020 Budget includes \$300,000 for the design and construction of the Malone Avenue Culvert Replacement Project Phase 2; and

**WHEREAS**, on July 9, 2019, the City Council authorized the City Manager to solicit bids for construction and also procure the materials for the steel arch culvert for the Project; and

**WHEREAS**, on August 6, 2019, the City received five bids for the Project and Precision Earthworks Construction, Inc. was identified as the lowest responsive and responsible bidder with a bid of \$172,997.00 for the Base Bid plus Alternate; and

**WHEREAS**, base on the bids received the adopted project budget needs to be augmented by \$203,105 to award the contract and complete the Project.

**NOW, THEREFORE IT IS HEREBY RESOLVED, ORDERED AND FOUND** by the City Council of City of Wheatland, State of California, the City Council:

1. Amend the Fiscal Year 2019-20 Budget for the project by transferring \$100,000 from the General Fund to the Malone Capital Project Fund and transfer \$107,083 from the Sewer Collection Impact Fund to the Malone Capital Project Fund.
2. Award a construction contract to Precision Earthworks Construction, Inc. in the amount of \$172,997.00 for construction of the Malone Culvert Replacement Project Phase 2 and authorizing the City Manager to execute change orders not to exceed the revised Project budget.

**PASSED AND ADOPTED** by the City Council of City of Wheatland, State of California this 13<sup>th</sup> day of August 2019, by the following vote:

AYES:

NOES:

ABSTAIN:

ABSENT:

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Joseph Henderson, Mayor

ATTEST:

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Lisa Thomason, City Clerk