



City of Broken Arrow

Request for Action

File #: 19-1228, Version: 1

**Broken Arrow Municipal Authority
Meeting of: 10-1-19**

Title:

Approval of and authorization to execute Change Order #3 with Walters Morgan Construction, Inc. for Construction Contract 175436; Verdigris River Water Treatment Plant Pretreatment Basin Expansion

Background:

Over the past three years of operation of the Verdigris River Water Treatment Plant, the raw water quality during the warm weather months has created challenges with producing settled water quality within turbidity goals for optimum membrane filtration operation. The purpose of this project will provide improvements to the pretreatment basin. The project consists of construction of two (2) rapid mix basins, two (2) train flocculation basins with plate settlers, a residual collection and pumping system and modifications to the chemical feed storage and pumping system and all appurtenances. The project was advertised for bid on July 23, 2018. Bids were opened on August 14, 2018, with the lowest responsible bidder being Walters-Morgan Construction, Inc., with a Base Bid of \$6,702,000.00, Alternate A of \$74,000, Alternate B of \$57,000 for a Total Lump Sum Bid of \$6,833,000. A Notice to Proceed was issued to the contractor on August 8th, 2018.

This Change Order #3 addresses the following additions to the contract:

Total Number of Days Added by this Change Order:

- (25) Due to the changes of work within the project, the contract shall be extended by 25 calendar days.

CO3-1 - Cost Proposal No. 5 - Per directive within RFI #17 as directed by the EOR and BAMA, the contractor is to add SS disconnects, conduit, and wire such to provide power from the New MCC4 within the new electrical building as part of the new project. The associated costs are summarized within the attached proposal and are inclusive of all applicable costs and markups.

CO3-2 - Cost Proposal No. 6 - As directed by BAMA the contractor is to add approximately 20 feet of 4 foot wide and 6 inch thick, installed per plan sections, along the bottom of the NE corner of the new PT basin between the bottom of the new stairs and the south edge of the driveway. The associated costs are summarized within the attached proposal and are inclusive of all applicable costs and markups.

CO3-3 - Cost Proposal No. 7 - Per directives within RFI #23 & #27, the contractor is to add heat trace to the sludge lines on the south end of the PT basin and heat trace on the ACH chemical feed lines from where the exit the chemical trench to the face of the North wall on the PT basin. Within this change proposal circuits are to be added to supply power to the new heat trace. The associated costs are summarized within the attached proposal and are inclusive of all applicable costs and markups.

CO3-4 - Cost Proposal No. 8 - Per directive within RFI #36 & directives within the progress meeting #6, the contractor is to provide reusable insulation blankets for the (4) air release valves at the sludge pump piping and provide additional said blankets to match the existing installation at the existing sludge pump building. Additionally (2) more blankets shall be provided for the shut off valves on the ACH chemical feed lines. The associated costs are summarized within the attached proposal and are inclusive of all applicable costs and markups.

CO3-5 - Cost Proposal No. 9 - Per directive by BAMA within progress meeting #6, shall reimburse the contractor for additional costs due to open cutting the area south of the existing PT basin to allow for investigation of a potential water leak from existing PT basin or 48" SW line. In addition to these costs, rental equipment costs for equipment required to service the PT basin during construction shall be shared with BAMA. The associated costs are summarized within the attached proposal and are inclusive of all applicable costs and markups.

CO3-6 - Cost Proposal No. 11 - Per directive by BAMA, the contractor is to, through use of mechanical pumping methods, lower and maintain the water levels within the eastern reservoir such to allow for the construction of the new PT basin headwall and new intake lines. The associated costs are summarized within the attached proposal and are inclusive of all applicable costs and markups.

CO3-7 - Cost Proposal No. 12 - Per directive within RFI #21, the contract is to be credited the associated cost reductions due to the deletion of the associated fiber conduit as noted within the RFI. The associated cost reductions are summarized within the attached proposal and are inclusive of all applicable costs and markups.

CO3-8 - Cost Proposal No. 5 - Per directive by BAMA, the contractor is not to cementitious grout rub the exterior of the new PT basin. The contract is to be credited this associated original costs. The associated reductive costs are summarized within the attached proposal and are inclusive of all applicable costs and markups.

The additional cost associated with these changes is as follows:

Previous Change Orders:	\$88,372.15
This Change Order:	\$37,467.59
Total Cost of Change Orders:	\$125,839.74
Original Contract Amount:	\$6,833,000.00
Revised Contract Amount:	\$6,958,839.74
Percent Change in Contract:	1.29%
Applicable to Comp. Bid Act:	2.13%

Cost: \$37,467.59

Funding Source: OWRB FAP Loan and Utilities Operations Fund

Requested By: Kenneth D. Schwab, P.E., CFM, Assistant City Manager - Operations

Approved By: City Manager's Office

Attachments: 175436 Change Order #3

Recommendation:

Approve and authorize execution of Change Order CO3 with Walters Morgan Construction, Inc. for the construction contract 175436; Verdigris River Water Treatment Plant Pretreatment Basin Expansion