



CITY OF WAUKESHA

Administration

201 Delafield Street, Waukesha, WI 53188
 Tel: 262.524.3701 fax: 262.524.3899
 www.waukesha-wi.gov

| | |
|---|--|
| Committee: Board of Public Works | Date: 4/19/2018 |
| Common Council Item Number: ID #18-0590 | Date: 5/1/2018 |
| Submitted By: Fred Abadi, Director of Public Works | City Administrator Approval: Kevin Lahner, City Administrator KL |
| Finance Department Review: Rich Abbott, Finance Director RA | City Attorney's Office Review: Brian Running, City Attorney BR |
| Subject: Review and act on Change Order No. 1 with Musson Bros. Inc for the River Valley Rd Sanitary Sewer Extension and Fire Station No. 3 Access Rd. | |

Details:

Description of change:

Credit #1. Credit for Use of Compacted Spoil Material for Trench Backfill

The contractor requested to use compacted spoil (soil) backfill instead of the traditional granular backfill. Using compacted spoil can only be done if the soil meets the appropriate gradation and compaction. The contractor demonstrated that compacted spoil material meets the specification and the City agreed to allow for its use. The effort to use spoil backfill created an overall credit to the project.

Credit for Use of Compacted Spoil Material for Trench Backfill = 776 LF of trenching at \$20.00 per foot = a credit of \$15,520.00(credit)

Extra # 1. Modification to Manhole #6 to Meet Field Conditions

During construction of the sanitary sewer, the proposed manhole structure #6 required modification to have a new hole cored to match actual field conditions.

Modify Manhole #6 = 1 Lump Sum @ \$1,187.97 / each. = \$1,187.97

Extra #2. Modification to the Fire Station Warning Beacon System

This project installed a new fire station warning system that alerts drivers on Les Paul Parkway to the presence of emergency vehicles. The system operates with Yellow LED beacons that are engaged when emergency vehicles are present. The system was originally designed to operate with a hard wire power system that was fed from the new fire station. In reviewing this beacon system with WisDOT, it was decided that the system should be converted to Solar Power wireless to allow the City to move and relocate the beacon poles in conjunction with the upcoming West Bypass project. The City also required the contractor install a semi-permanent metal helix base to allow for removal and relocation in lieu of permanent concrete bases. The net cost to modify the EVP Activated Flashing LED Beacon Control System utilizing a combination of reduced quantities of original bid items and the substitution of the solar powered wireless equipment represents the additional changes and costs necessary for this conversion.

Change Beacon System to Solar Power and Wireless = 1 Lump Sum @ \$11,043.45 / Lump Sum. = \$11,043.45



Extra #3. Modification to the Paving Plan

During Construction, it was determined that paving was necessary further into the 2 existing drives into St. John Neuman. Existing Soil conditions were poor and required additional undercutting. This extra work is being paid under the following unit bid items:

Item No 21 - 470 additional Tons of 1 ¼ Inch Crushed Stone Backfill (includes undercutting) @ \$22.00/TON= \$10,321.30

Item No 23 – 72.5 additional Tons of HMA Pavement Type 3 LT58-28H @\$85.00/TON=\$6165.90

Item No 24 – 113 additional Tons of HMA Pavement Type LT58-28H @\$100.00/TON=\$11,300.00

Item No. 25 – 618.5 additional Square Yards of Pavement Removal @ \$5.00/SQ YD =\$3,092.50

Modifications to the Paving Plan = \$30,879.70.

Total Amount for this Change Order = \$27,591.12.

Note: There is no increase beyond what would have been included in the bid if these changes had been shown on the bidding documents.

Options & Alternatives: The contractor could have used granular backfill resulting in higher construction costs and the installation of the original hardwired EVP Beacon System would result in additional costs in the future. The paving had to be completed to meet actual conditions. The Change Order resulting in the amount of \$27,591.12 should be approved.

Financial Remarks:

PO#180143

Original Contract: \$467,051.00

Change Order No. 1: \$27,591.12

Total Contract after Change Order No. 1: \$494,642.12

Acct # 2244-68220

Executive Recommendation:

Recommend approval of Change Order No. 1 with Musson Bros. Inc for the River Valley Rd Sanitary Sewer Extension and Fire Station No. 3 Access Rd.