

CONTRACT CHANGE ORDER  
SANITARY SEWER EXTENSION AND FIRE STATION NO. 3 ACCESS ROAD

DATE: April 19, 2018

Contract Number: 4014

Branch: Engineering Department

Change Order Number: 1

Contractor: Musson Bros., Inc.

Amount of original contract ..... \$467,051.00

Amount of Contract prior this Change Order..... \$467,051.00

Description of change:

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

The contractor requested to used 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 = ..... \$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 = \$6,165.90

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 of this Change Order ..... **\$27,591.12**

Net Contract Amount after this Change Order ..... **\$494,642.12**

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City of Waukesha  
Director of Public Works

\_\_\_\_\_  
Date

\_\_\_\_\_  
Contractor  
Musson Bros., Inc.

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Date