



CITY OF WAUKESHA

Administration

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Committee: Board of Public Works	Date: 2/3/2022
Common Council Item Number: ID #22-3528	Date: 2/17/2022
Submitted By: Alex Damien, Interim Director of Public Works	City Administrator Approval: Kevin Lahner, City Administrator KL
Finance Department Review: Denise Vandebush-Kohlmann, Interim Finance Director DVK	City Attorney's Office Review: Brian Running, City Attorney BR
Subject: Review and act on Contract Change Order No. 1 with LaLonde Contractors, Inc., for the N & S Prairie Avenue, Sentry Drive and W. Sunset Drive Utility and Street Improvements project.	

<p>Details: This Contract Change Order explains additional work to be completed by LaLonde Contractors Inc.:</p> <p>Additional storm sewer work was completed along the project in various areas. On N. Prairie Avenue, during the storm sewer televising on the project, it was discovered that spalling had occurred on the 12-inch storm sewer between existing manhole 600 and existing manhole 601. It was decided to complete a lining of this 12-Inch storm sewer as part of the project work.</p> <p><u>Additional Storm Sewer Items:</u></p> <ol style="list-style-type: none"> <u>Extra No. 1 12 Inch CIPP Storm Sewer Pipe</u> Description: 12-Inch storm sewer CIPP lining 52 LF @ \$43.45/LF <u>\$ 2,259.40</u> <p style="text-align: right;">Subtotal \$ 2,259.40</p> <p>Additional sanitary sewer work was completed along the project in various area. On Sentry Dr., a change was made for the open-cut sanitary sewer lateral replacements to cutting in wye connections to the existing main in lieu of insert-a-tee connections within the project bid. Secondly, the existing 15-Inch sanitary connection to the INNIO property that was previously known to be inactive, was found to be active and connected to one of the outbuildings. To be consistent with other sanitary lateral rehabilitations within the right of way on the project, this 15-inch connection was to be lined within the right of way. In discussions with INNIO, they agreed to pay additional footage of the 15-Inch lining to go further onto their property to an existing manhole. Additionally, during the project's lining of the 42" and 48" sanitary sewer main along Sentry Dr., additional grouting work along the flow lines and troughs of manholes was completed in order to stop groundwater infiltration. The infiltration was required to be stopped in order to complete the lining of the sanitary sewer main. Additional bypass pumping equipment, time, and materials were also required to completing the additional grouting work. Lastly, a project change in the scope of work for the sanitary sewer laterals along Sentry Dr. resulted in the need for cleanouts to be installed on the laterals that were changed to be open-cut.</p>

Additional Sanitary Sewer Items:

1. Extra No. 2 10 x 6 Cut In Wye for Sanitary Laterals
Description: Additional cost of cutting in of 6" wye's for sanitary sewer laterals in lieu of insert-a-tee type lateral connections
Lump Sum \$ 2,376.00
 2. Extra No. 3 15 Inch CIPP Sanitary Sewer Pipe @ INNIO
Description: 15-Inch sanitary sewer CIPP Lining of the connection to INNIO
199 FL @ \$71.45/LF \$ 14,218.55
 3. Extra No. 4 Additional Sanitary Sewer Grouting Work
Description: Sanitary Sewer grouting work along Sentry Dr. within the 42" and 48" sewer mains and adjacent manholes
Lump Sum \$ 25,588.45
 4. Extra No. 5 Open-Cut Sanitary Lateral Cleanouts
Description: Sanitary Sewer lateral cleanouts for open-cut replacements in conjunction with project Field Order #1
2 EACH @ 1,155.00 \$ 2,310.00
- Subtotal \$ 44,493.00

**Note: \$5,287.30 was invoiced to INNIO for the additional length of 15-Inch CIPP lining outside of the right-of-way*

Additional concrete paving work was completed within the area that was impacted by the Great Water Alliance work along Sentry Dr. Due to the constrained environment from SJ Louis' dewatering operation near the Clean Water Plant, a 500' section of Sentry Dr. was required to be paved without the use of a slipform paver. The additional cost was agreed to be paid by the Waukesha Water Utility, which also includes re-phasing of the traffic control, re-mobilizing to the gapped section, and setting forms.

Additional Roadway Items:

1. Extra No. 6 Additional Cost to Hand Pour 9-Inch Concrete Pavement
Description: Additional cost to hand pour 9-Inch concrete pavement in the area adjacent to SJ Louis' work zone including re-phasing of traffic control, re-mobilizing, and setting forms.
718.9 SY @ \$23.71 \$ 17,045.12
- Subtotal \$ 17,045.12

**Note: \$17,045.12 was invoiced to the Waukesha Water Utility for the additional hand poured concrete pavement.*

Additional traffic signal work was completed in multiple locations of the project. At the Fox River Parkway/W. Sunset Drive intersection, during the excavation of monotube signal base #5, an unexpected amount of groundwater along with large cobbles were encountered during the exaction. In order to complete the depth necessary for the monotube base, additional casing material, and specialized drilling equipment was needed to complete the excavation. Secondly, in multiple locations around the project, major existing utility installations were in close proximity to proposed traffic signal bases and pull boxes which required hydro-excavation to place proposed bases. Due to the existing soil conditions around the project, an alternate excavation method had to be completed on various traffic signal bases. In order to complete the excavation, steel culvert material was placed concurrently with the excavation to prevent failing of the adjacent soil. Lastly, with the signal modifications to the St. Paul Avenue/Washington Ave. and St. Paul Avenue/Prairie Ave. traffic signals, the existing fiber optic interconnect cable did not have sufficient length to keep the two cabinets connected. New fiber optic cable needed to be pulled between the two traffic signals and reconnected at the cabinets.

Additional Traffic Signal Items:

1. Extra No. 7 SB#5 Additional Excavation
Description: Additional excavation and specialized equipment was required to work around the high volume of groundwater and large cobbles encountered during standard drilling.
Lump Sum \$ 13,392.74
 2. Extra No. 8 Signal Base Hydro-Excavation (Project Wide)
Description: Numerous additional exploratory excavations were completed to precisely location existing utility installations and adjust the proposed signal equipment layout as necessary.
Lump Sum \$ 5,103.81
 3. Extra No. 9 Signal Base Culvert Material (Project Wide)
Description: Due to poor soil conditions at various signal bases around the project, additional culvert material was installed to allow excavation and installation of the signal bases.
Lump Sum \$ 9,162.82
 4. Extra No. 10 Fiber Optic Cable Replacement - St. Paul Avenue
Description: Due to the signal upgrade work at the Prairie Ave. and Washington Ave. signals, the existing fiber optic cable needed to be replaced to accommodate the additional conduit length.
Lump Sum \$ 11,504.15
- Subtotal \$ 39,163.52

During the contract work on the project, various unit bid items totaled less than the overall anticipated contract quantity resulting in project costs savings:

1. Credit for reduced quantities completed (Various Items) (\$ 250,000.00)

Total Amount of this Change Order (\$ 147,038.96)

Contract Completion Date Extension:

Throughout the execution of this Contract, there were multiple occurrences of delays or additional work requested on controlling items of the project schedule. Additional storm sewer, sanitary sewer, and water main work was requested along both Prairie Avenue and W. Sunset Dr. beyond the scope of the original Contract work. In addition, issues encountered on the Great Water Alliance's return flow project along Sentry Dr. did not allow for their contractor, SJ Louis, to be complete with their work prior to this Contract's work occurring. Re-phasing and additional work above the scope of this Contract was completed to work around SJ Louis's work zone and continue to keep Sentry Dr. open to traffic operations. The re-phasing and additional work created a delay to critical path items on the project's schedule; primarily roadway excavation and concrete paving.

Due to the additional work requested, and the 3rd party impact to controlling project schedule items, the contract substantial completion date is proposed to be extended to November 29, 2022.

Options & Alternatives:

There were no other feasible alternatives. The work was time sensitive and must be completed with this contract.

Financial Remarks:

Original Contract: \$10,075,848.93 (PO #210186)

Contract prior to this Change Order: \$10,075,848.93

Account 2004.68290 for Major Road Reconstruction(\$ 208,577.08)

Account 7399.68290.71480 for Sanitary Sewer\$ 44,493.00

Account 7399.68290.71430 for Water\$ 17,045.12

Contract Change Order No. 1: (-\$ 147,038.96)

Total Contract Amount after Change Order No. 1 = \$9,928,809.97

Executive Recommendation:

Recommend approval of Contract Change Order No. 1 with LaLonde Contractors, Inc., for the N & S Prairie Avenue, Sentry Drive and W. Sunset Drive Utility and Street Improvements project.