

Interoffice Memo



To: Scott Niehaus, Village Manager
 From: David Gorman, P.E., Assistant Director Public Works Director *DG*
 Through: Carl Goldsmith, Public Works Director *CG*
 Date: April 03, 2019
 Subject: Central Pressure Adjusting Station Improvements
 Change Order No. 4

Attached please find Change Order No. 4 for this project in the amount of a net increase of \$108,332.75. The change order represents three (3) Authorized Unit Price (AUP) items related to underground utility installation and building improvements.

WATER MAIN ALIGNMENT

In an attempt to create better sewer separation and to minimize the amount of water main underneath the pavement, a field change to realign the water main at the connection point of the north/south and east/west runs was requested. Some demolition work was anticipated, specifically, removing sections of wall from the old reservoir. The cost of this work would have been offset by not using trench backfill along the remaining north/south run of water main to the connection point near St. Charles Road. As work on the installation of the valve progressed, the debris from the demolition site was deemed too difficult excavate efficiently. After internal staff discussions and conversations with the contractor, the north/south watermain was returned to the original location. *Total = \$6,714.85 and two calendar day time extension*

FIRE STATION 45/GENERATOR

The back-up generator included in this contract will serve both the Fire House #45 and the Central Pressure Adjusting Station. The old generator will be removed as part of the original contract. Removing and replacing the louvers allows the former interior generator room to immediately become useful cold storage space. With masons and carpenters readily available under this contract, it was decided to proceed with this work. The scope includes all labor/material/equipment for the removal of the existing louvers and installation of the glass block/brick. Work will be paid for through the General Facility Maintenance Fund. *Total = \$6,958.20*

WATER MAIN ALONG ALLEY

This work will resolve a current concern posed by remaining old sand-cast water main in the alley and a non-functioning water main valve on Main Street. The water main is estimated to be at least 70 years old and is subject to future breaks. This was observed during a major break that occurred on-site on January 4th of 2018. Reviewing the situation and considering the project budget, this is the most opportune time to replace the remaining segment of the old water main and non-functioning valve. Replacement will reset the life cycle to these components and the new configuration (with an additional valve on the system) will improve the ability to isolate and repair breaks with a minimized loss of water volume, pressure, and service to adjacent customers.

The importance of the lake water feed from DuPage Water Commission to the station cannot be underestimated. The ability of the Village to continue to feed the water system under an emergency condition is critical. With the elimination of all on-site "sand cast" the reliability of the feed is much greater. The installation of two valves (N. Main Street and the alley) and a new water main supplying the water system on St. Charles Road and North Main Street is a sound investment to the water system. Not replacing the old water main would leave a much larger probability of a failure occurring between the buildings adjacent to the alley that would be difficult and expensive to repair. A major break could even result in structural damage by undermining the building footings.

The alternative of lining the water main and replacing the Main Street valve (as a separate project) was considered but shelved. Such a subsequent project would add disruptions to traffic and water customers a second time, place additional patches in the pavement, require a mobilization for another contractor, and likely be much more expensive.

The decision to currently move forward was also influenced by the CIP budget for the project. Refer to the table below.

CIP Total Construction Budget = \$2,748,000	
Current/Anticipated Expenditures	
Demolition Contract (Completed)	\$100,500.00
Construction Material Testing (Current Contract)	\$24,501.00
PA Station Construction (thru CO#3)	\$2,318,416.59
Resident Engineering (Robinson Engineering)	\$5,000.00
In-House Inspection (Overtime)	\$2,500.00
Phase III Support Engineering (CBBEL)	\$33,500.00
Total	\$2,484,417.59
Remaining Budget	\$263,582.41

The scope of work also includes installing new water service lines to the Orthodontist and the 9 – 15 North Main Street building. Restoration of the Main Street right of way with brick pavers and asphalt pavement is also included. *Total = \$86,756.50 and seven calendar day time extension*

Note that Village staff believes that the work could progress quicker than the contractor forecasts. If this is the case, a saving against labor could be realized. This was discussed with and agreed to by the contractor. A Village representative from the Underground Utility group will be observing and tracking the contractor's progress as this work occurs.

ALLEY PROPERTY LINE IMPROVEMENTS

In conjunction with extending the water main in the alley, a curb to delineate and separate the public and private properties now makes sense. A quote from the contractor to install a ribbon curb and to replace the concrete curb stop with rubber curb stops was requested. Reinstalling curb stops instead of installing a formal barrier or mountable curb was preferred so effective overland drainage could still be achieved without adding to the storm sewer system or manipulating pavement grades. Curb stops are preferred to curb as curb could possibly be damaged during snow plowing operations, both public and private. *Total = \$ 7,903.20 and three calendar day time extension*

This change order will be presented to the Public Works Committee. If the Committee recommends approval, please present this change order to the President and Board of Trustees for their review and approval at their regular meeting on April 18, 2019. If approved, please have two signed copies returned to Engineering for further processing.

DG/rgs

R E S O L U T I O N
R _____

A RESOLUTION AUTHORIZING A CHANGE ORDER INVOLVING AN INCREASE/DECREASE IN THE DOLLAR AMOUNT OF THE CONTRACT OF \$10,000 OR MORE AND/OR EXTENDING/ SHORTENING THE TIME IN WHICH THE CONTRACT IS TO BE COMPLETED BY THIRTY (30) DAYS OR MORE

WHEREAS, pursuant to Illinois Compiled Statutes, Chapter 720, Section 5/33E-9, units of local government are required to make specific findings prior to authorizing any change order relative to a contract which would increase or decrease the dollar amount of the contract by \$10,000 or more, or would extend or shorten the time in which the contract is to be completed by thirty (30) days or more; and

WHEREAS, staff has presented and recommended the proposed Change Order No. 4 to the contract between the Village of Lombard and Joseph J. Henderson & Son, Inc. regarding the Central Pressure Adjusting Station Improvements project, as attached hereto as Exhibit "A" and made part hereof, (the "Change Order") to the Corporate Authorities of the Village of Lombard; and

WHEREAS, said Change Order attached hereto as Exhibit "A" would increase the dollar amount of the contract by \$108,332.75.

NOW, THEREFORE, BE IT RESOLVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF LOMBARD, DU PAGE COUNTY, ILLINOIS, as follows:

SECTION 1: That after reviewing the explanation of staff as to the necessity of and reasons for the Change Order attached hereto as Exhibit "A", the President and Board of Trustees find as follows:

- A That the circumstances which necessitated said Change Order were not reasonably foreseeable at the time the contract was entered into.
- B. That the basis of the Change Order was not within the contemplation of the contract when the contract was signed.
- C. That it is in the best interests of the Village of Lombard to approve the Change Order in its proposed form.
- D. That to the extent that it may have been necessary to go to bid relative to the work contemplated by said Change Order; bidding is hereby specifically waived as to the Change Order work.

SECTION 2: That having made the findings set forth in Section 1 above, the President and Board of Trustees hereby approve the Change Order attached hereto as Exhibit "A", and direct and authorize the Village President and Village Clerk to execute said Change Order on behalf of the Village.

Adopted this 18th day of April, 2019, pursuant to a roll call vote as follows:

Ayes: _____

Nays: _____

Absent: _____

Approved by me this 18th day of April, 2019.

Keith Giagnorio
Village President

ATTEST:

Sharon Kuderna
Village Clerk

VILLAGE OF LOMBARD CHANGE ORDER

PROJECT NAME: Central Pressure Adjusting Station Improvements PROJECT NO.: WA 17 01
 LOCATION: 20 East St. Charles Road CHANGE ORDER: 4
 CONTRACTOR: JJ Henderson & Son DATE: 04/03/19
 DESCRIPTION OF CHANGE ORDER: Water Main, Ribbon Curb, Curb Stops and Fire Station #45

ORIGINAL CONTRACT AMOUNT:	[1]	<u>\$2,093,000.00</u>
TOTAL OF PREVIOUS AUTHORIZED CHANGE ORDERS:	[2]	<u>\$225,416.59</u>
CURRENT CONTRACT AMOUNT: ((1)+[2])	[3]	<u>\$2,318,416.59</u>
PROPOSED CHANGE ORDER: (PENDING APPROVAL)	[4]	<u>\$108,332.75</u>
PROPOSED REVISED CONTRACT AMOUNT: (PENDING APPROVAL) ((3)+[4])	[5]	<u>\$2,426,749.34</u>

NET OF ALL CHANGE ORDERS: (PENDING APPROVAL) ((2)+[4])	<u>\$333,749.34</u>
TIME EXTENSION OR REDUCTION:	<u>12 Calendar Days</u>
TOTAL CONTRACT TIME:	<u>308 (296+12) Calendar Days</u>
BUDGET ESTIMATE: (Demolition & Parking Lot/PA Station)	<u>\$2,475,000.00</u>
ENGINEER'S ESTIMATE: (Demolition & Parking Lot/PA Station)	<u>\$2,075,000.00</u>

RECOMMENDED FOR ACCEPTANCE :

<u>Ray Schwalb</u>	<u>04/03/2019</u>				
Resident Engineer	Date	Approved By:		Director of Finance	Date
<u>[Signature]</u>	<u>4/9/2019</u>	Approved By:		Village Manager	Date
Contractor	Date	(-<\$10K or 25%)			
<u>[Signature]</u>	<u>4/8/19</u>	Approved By:		Village President	Date
Village Engineer	Date	(>\$10K or 25%)			
<u>[Signature]</u>	<u>4/11/19</u>	Attest:		Village Clerk	Date
Director of Public Works	Date				
Assistant Director of Finance	Date				

It is understood that as part of this change order that the Contractor agrees that all bonds, permits, insurance and guarantees are hereby extended to incorporate this Change Order.

Central Pressure Adjusting Station Improvements
Change Order #: 4

4/3/2019

No.	Item	Current Quantity	Unit	Unit Price	Revised Quantity	Difference	Amount	Description
WCD-016	Existing Reservoir Wall & Water Main Conflicts	0.0	L. Sum	\$6,714.85	1.0	1.0	\$6,714.85	Removal of former reservoir wall.
WCD-018	Additional Water Main in Alley	0.0	L. Sum	\$86,756.50	1.0	1.0	\$86,756.50	Additional water main in the alley to N. Main street, including removal of non-function valve and installation of another valve. Restoration of disturbed brick paver areas.
WCD-019	Fire Station Glass Block	0.0	L. Sum	\$6,958.20	1.0	1.0	\$6,958.20	Replacement of louvers with glass block at Fire Station #45.
WCD-20	Ribbon Curb and Curb Stops	0.0	L. Sum	\$7,903.20	1.0	1.0	\$7,903.20	Install ribbon curb and rubberized curb stops along north property line of the alley.

TOTAL AMOUNT = \$108,332.75