



Agenda Memo

Crest Hill, IL

Meeting Date:	June 12, 2023
Submitter:	Ronald J Wiedeman
Department:	Engineering
Agenda Item:	Chaney and Center Water Main and Roadway Rehabilitation Project-Change Order No. 1.

Summary: The underground work for the Chaney and Center project is now completed and the Contractor will now begin the roadway rehabilitation part of the project.

During the underground work there were unforeseen conflicts and water main rerouting that needed to be completed at the time of construction. These items caused additional effort and increased time to complete. The items are as follows:

- 7 additional water services with domestic services boxes were added to service undeveloped lots. Staff directed this work to be added to put the new service in place so in the future when these lots are developed the newly constructed roadway, sidewalk and curb and gutter will not need to be removed. The cost for this work is \$28,250.00.
- Additional Water Main replacement of 37.5 ft was added along Theodore to replace main that had been previously repaired by public works. This work was not known until the water main along Theodore was uncovered. Staff directed the contractor to replace the water main so the new water main would not be directly connected to old/repared water main. The cost for this work is \$5,625.00.
- 21 ft of additional sanitary service adjustment was necessary at the time of installation of the new water main, This work was not known until the services were exposed. The cost of the work is \$18,225.00.
- During construction of the water main a buried storm sewer manhole was discovered. Due to IEPA clearance requirements an additional 21 ft of storm sewer with rubber gaskets was needed to meet IEPA requirements. The cost for this work was \$1,879.50.
- During Construction the contractor encountered existing utilities locations as well as challenges to fit the new water within the work area and still provide IEPA clearances. These modifications increased the amount of work required to connect the existing water main as well as the time it took to make these connections. The additional time required to make these connections was not included in the project pay item for this work due to

the work being unknown at the time of plan preparation process. These connections were made on a time and materials basis which was agreed on by staff and the contractor. The total number of connections made this way was 11. Paying for the connection work as time and materials instead of according to the project pay items plus additional costs and expenses would be a saving to the city. The cost for this work is \$134,250.95.

- Staff would like to add the resurfacing of Elsie Ave from Center St. to Hoffman St. in front of Chaney-Monge School due to its current condition and new revised construction schedule.

This work was not originally included because no existing water main was in this section of roadway and based on the original schedule the work would not be completed until the fall. With school in session this work would be very disrupted for the school and staff determined the work could be completed at a later date. The cost for this work is estimated at \$37,868.30.

- Due to the final quantities of water main work is now known and completed there is a deduction in the contract of \$69,591.65.

Recommended Council Action: To approve Change Order No 1 for the Chaney and Center Water Main and Roadway Rehabilitation Project which will increase the contract amount to \$3,535,133.30.

Financial Impact:

Funding Source: American Rescue(AR) and Water

Budgeted Amount: \$2,678,183 AR & 934,372 Water

Total \$3,612,554.79

Cost Approved to Date:

Award Construction Amount \$3,183,273.20

Construction Engineering \$195,353.00

Plus Change Order No.1 \$156,507.10

New Cost Approved to Date \$3,535,133.30

Attachments:

Change Order Document 20230530.pdf