

DISTRICT 1 & 5

**VILLAGE OF LOMBARD
REQUEST FOR BOARD OF TRUSTEES ACTION**

For Inclusion on the Board Agenda

 X Resolution or Ordinance (Blue) X Waiver of First Requested
 Recommendations of Boards, Commissions & Committees (Green)
 Other Business (Pink)

TO: PRESIDENT AND BOARD OF TRUSTEES

FROM: Scott Niehaus, Village Manager

DATE: August 29, 2024 (COW) (B of T) **Date:** September 19, 2024

TITLE: Large Diameter Combined Sewer Rehabilitation Project
Change Order #1

SUBMITTED BY: David Gorman, P.E., Assistant Director of Public Works *DG*

BACKGROUND/POLICY IMPLICATIONS:

Additional work involving the 96-inch diameter sewer within Lombard Common Park.

FISCAL IMPACT/FUNDING SOURCE:

Current Contract Amount: \$14,698,922.04
Change Order Amount: \$ 98,783.49
Revised Contract Amount: \$14,797,705.53
Water/Sewer Capital Reserve Fund (520.790.715.75420)/ IEPA Low-Interest Loan
CIP Budget: \$16,073,200.00
PW Project #: SA 18 01
P.O. #: 2024-00001144

Review (as necessary):
Village Attorney X _____ Date _____
Finance Director X _____ Date _____
Village Manager X _____ Date _____

NOTE: All materials must be submitted to and approved by the Village Manager's Office by 12:00 noon, Wednesday, prior to the Agenda Distribution.

MEMORANDUM



To: Scott Niehaus, Village Manager

From: David Gorman, P.E., Assistant Director of Public Works *DG*

Through: Carl Goldsmith, Director of Public Works *CG*

Date: August 29 2024

Subject: Change Order #1
Large Diameter Combined Sewer Rehabilitation Project

Change Order #1 increases the contract by \$98,783.49. This Change Order addresses the 96-inch diameter pipe included in both the base bid and the additive bid. An additive bid is a bid item or series of bid items designed to include additional work that may be awarded along with the base bid if there is sufficient funding. Additive bid items are intended to add flexibility to the bidding process and maximize the work within the available budget. A segment of pipe from Edgewood Avenue to the center of Lombard Common Park, although not televised, was included as an additive bid item. This additive item completes combined sewers of 90 inches in diameter or greater and finishes the rehabilitation of all combined sewers within the park.

Background

Funding for this project comes from a low-interest loan secured through the Illinois Environmental Protection Agency (IEPA). The scope of the 2-year contract involves lining nearly two miles of large-diameter combined sewer with geopolymer mortar. The project's limits extend from the east end of Lombard Common Park to the Glenbard Wastewater Treatment Plant (Glenbard). The sewer line was televised and inventoried via a multi-sensor inspection to establish a Capital Improvement Plan (CIP) budget, which also served as part of the preliminary engineering phase. Additionally, the project includes lining a 30-inch diameter sewer overflow pipe from the intersection of Finley Road and Hickory Street to Glenbard with Cured-In-Place Pipe (CIPP).

The line items in the change order address diameter discrepancies between the base and additive bids. Specifically, a 564-linear-foot segment of sewer within the park, originally identified as 90 inches in diameter in the plans and Village atlas, was found to be 96 inches in diameter. Similarly, a 61-linear-foot segment included in the additive bid was also discovered to be 96 inches in diameter rather than 90. Additionally, the change order includes work related to numerous penetrations within the additive pipe section, where various inoperative farmer's field tile connections were found and patched.

Recommendation

The Change Order will be presented to the Public Works Committee on September 10th. Pending the Committee's recommendation, please present Change Order # 1 to the President and Board of Trustees for review and approval at their regular meeting on September 19, 2024. If approved, please return a signed copy to Engineering for further processing.

RESOLUTION
R _____

**A RESOLUTION AUTHORIZING A CHANGE ORDER INVOLVING AN INCREASE
IN THE DOLLAR AMOUNT OF THE CONTRACT OF \$10,000 OR MORE**

WHEREAS, under 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 that would increase 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. #1 to the contract between the Village of Lombard and Vortex Lining Systems regarding the Large Diameter Combined Sewer Rehabilitation 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 \$98,783.49

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 it is in the best interests of the Village of Lombard to approve the Change Order in its proposed form.
- B. 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.

Resolution _____
Legistar: 240281

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Adopted on the 19th day of September 2024, pursuant to a roll call vote as follows:

Ayes: _____

Nays: _____

Absent: _____

Approved by me on this 19th day of September 2024.

Keith Giagnorio
Village President

ATTEST:

Liz Brezinski
Village Clerk

VILLAGE OF LOMBARD CHANGE ORDER

PROJECT NAME: Large Diameter Combined Sewer Rehabilitation

PROJECT NO.: SA 18 01 (21-0488)

LOCATION: Lombard Common Park CHANGE ORDER: 1

CONTRACTOR: Vortex Lining Systems, LLC Date: 8/16/2024

DESCRIPTION OF CHANGE ORDER: Field Tile Sealing & Diameter Revision

ORIGINAL CONTRACT AMOUNT: [1] \$ 14,698,922.04

TOTAL OF PREVIOUS AUTHORIZED CHANGE ORDERS: [2] \$ -

CURRENT CONTRACT AMOUNT: ([1]+[2]) [3] \$ 14,698,922.04

PROPOSED CHANGE ORDER: (PENDING APPROVAL) [4] \$ 98,783.49

PROPOSED REVISED CONTRACT AMOUNT: (PENDING APPROVAL) ([3]+[4]) [5] \$ 14,797,705.53

NET OF ALL CHANGE ORDERS: (PENDING APPROVAL) ([2]+[4]) \$ 98,783.49

TIME EXTENSION OR REDUCTION: None

TOTAL CONTRACT TIME: (PENDING APPROVAL) 270 Cal. Days (Original Contract)

BUDGET ESTIMATE: \$16,073,200.00

ENGINEER'S ESTIMATE: \$19,296,574.00

RECOMMENDED FOR ACCEPTANCE :

Ray Schwab 8/29/2024 Approved By: _____
 Project Manager Date Director of Finance Date

 8/29/2024 Approved By: _____
 Contractor Date (<\$10K or 25%) Village Manager Date

 9/3/2024 Approved By: _____
 Village Engineer Date (>\$10K or 25%) Village President Date

Attest: _____
 Director of Public Works Date Village Clerk 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

Project: Large Diameter Combined Sewer Rehabilitation

Date: 8/16/2024
 Change Order #: 1
 Project #: SA 18 01 (21-0488)

#	Item	Current Quantity	Unit	Unit Price	Revised Quantity	Difference	Amount	Description
AUP #1	Seal and Terminate Laterals	0.0	EA	\$880.57	45.0	45.0	\$39,625.65	Laterals encountered and filled with Geokrete
33 01 30 / 04	Geo-Polymer Pipe Lining 90" (Base)	1,116.0	LF	\$795.00	552.0	(564.0)	(\$448,380.00)	Deduct Segment SAN608B035 - Plan shows 90", actual size is 96"
33 01 30 / 04	Geo-Polymer Pipe Lining 90" (Additive)	629.0	LF	\$798.56	568.0	(61.0)	(\$48,712.16)	Deduct Segment SAN608B055 - Plan shows 90", actual size is 96"
33 01 30 / 05	Geo-Polymer Pipe Lining 96" (Base)	832.0	LF	\$890.00	1,396.0	564.0	\$501,960.00	Add Segment SAN608B035 - Plan shows 90", actual size is 96"
33 01 30 / 05 (Base Bid)	Geo-Polymer Pipe Lining 96" (Additive)	0.0	LF	\$890.00	61.0	61.0	\$54,290.00	Add Segment SAN608B055 - Plan shows 90", actual size is 96"