

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: September 30, 2024 (COW) (B of T) **Date:** October 17, 2024

TITLE: Large Diameter Combined Sewer Rehabilitation Project
Change Order #2

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. Adding calendar days to the contract.

FISCAL IMPACT/FUNDING SOURCE:

Current Contract Amount: \$14,797,705.53
Change Order Amount: \$ 20,377.36
Revised Contract Amount: \$14,818,082.89
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 *g*

Date: September 30, 2024

Subject: Change Order #2
Large Diameter Combined Sewer Rehabilitation Project

Summary

Change Order #2 increases the contract by \$20,377.36. As in Change Order #1, Change Order #2 involves the 96-inch diameter pipe in Lombard Common Park which was included as an additive bid item. Change Order #2 also adds calendar days to the contract.

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 Change Order #2 address pay items that were either omitted from the additive bid section or insufficient in quantity to complete the lining of the additive pipe section. AUP #2 (Temporary Bypass Pumping System) was inadvertently omitted from the additive bid section. Bypass pumping is necessary to complete the lining of the bottom half of the pipe, as it halts the flow within the pipe, allowing the contractor to prepare and apply the Geopolymer product. A curing time of approximately 24 hours is required before normal flow can be responsibly restored. The added quantities for the pay items Invert Repair, Debris Removal, and Manhole Lining reflect the final agreed-upon contract quantities for the additive section of pipe.

As stated above, the Village is utilizing a low-interest loan secured through the IEPA. In discussions with the IEPA, the agency indicated that the suspension of the contract over the winter months (from November 1, 2024, to April 1, 2025), which was discussed in an addendum, was not clearly incorporated into the contract. Therefore, 150 calendar days are being added to the contract to account for the proposed winter shutdown period.

Recommendation

The Change Order will be presented to the Public Works Committee on October 8th. Pending the Committee's recommendation, please present Change Order #2 to the President and Board of Trustees for review and approval at their regular meeting on October 17, 2024. If approved, please return a signed copy to Engineering for further processing.

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

**A RESOLUTION AUTHORIZING A CHANGE ORDER
INVOLVING AN INCREASE IN THE DOLLAR AMOUNT OF
THE CONTRACT OF \$10,000 OR MORE AND EXTENDING 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. 2 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;

WHEREAS, said Change Order attached hereto as Exhibit "A" would increase the dollar amount of the contract by \$20,377.36 and when combined with Change Order No. 1 would increase, the total dollar amount of the contract by \$119,160.85 and;

WHEREAS, said Change Order attached hereto as Exhibit "A" would extend the time period in which the contract is to be completed by one hundred and fifty (150) calendar days;

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 on the 17th day of October 2024, pursuant to a roll call vote as follows:

Ayes: _____

Nays: _____

Absent: _____

Approved by me on this 17th day of October 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: Village of Lombard CHANGE ORDER: 2
 CONTRACTOR: Vortex Lining Systems, LLC Date: 9/13/2024

DESCRIPTION OF CHANGE ORDER:	<u>Bypass, Invert Repair & MH Lining</u>	
ORIGINAL CONTRACT AMOUNT:	[1]	<u>\$ 14,698,922.04</u>
TOTAL OF PREVIOUS AUTHORIZED CHANGE ORDERS:	[2]	<u>\$ 98,783.49</u>
CURRENT CONTRACT AMOUNT: ([1]+[2])	[3]	<u>\$ 14,797,705.53</u>
PROPOSED CHANGE ORDER: (PENDING APPROVAL)	[4]	<u>\$ 20,377.36</u>
PROPOSED REVISED CONTRACT AMOUNT: (PENDING APPROVAL) ([3]+[4])	[5]	<u>\$ 14,818,082.89</u>

NET OF ALL CHANGE ORDERS: (PENDING APPROVAL) ([2]+[4]) \$ 119,160.85

TIME EXTENSION OR REDUCTION: 150 Cal. Days

TOTAL CONTRACT TIME: (PENDING APPROVAL) 420 Cal. Days (270 + 150)

BUDGET ESTIMATE: \$16,073,200.00

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

RECOMMENDED FOR ACCEPTANCE :

Ray Schwab 9/30/2024 Approved By: _____
 Project Manager Date Director of Finance Date

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

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

 Director of Public Works Date Attest: _____
 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: 9/13/2024
 Change Order #: 2
 Project #: SA 18 01 (21-0488)

#	Item	Current Quantity	Unit	Unit Price	Revised Quantity	Difference	Amount	Description
AUP #2	TEMPORARY BYPASS PUMPING SYSTEM - ADDITIVE	0.0	LS	\$11,171.26	1.0	1.0	\$11,171.26	Temp. Bypass for Additive segments; Unit Price prorated from Base Bid
33 01 30 / 08	INVERT REPAIR - ADDITIVE	0.0	CU FT	\$52.00	19.8	19.8	\$1,029.60	Invert Repairs for Additive segments; Unit Price same as Base Bid
33 31 24 / 01	DEBRIS REMOVAL - ADDITIVE	300.0	CU FT	\$24.50	567.0	267.0	\$6,541.50	Quantity in excess of Awarded Plan Quantity for this item
33 01 30 / 07	MANHOLE LINING - ADDITIVE	8.0	FOOT	\$545.00	11.0	3.0	\$1,635.00	Increased Quantity; Lining of buried MH in Lombard Common Park



September 13, 2024

Mr. Ray Schwab
Village of Lombard
1051 S. Hammerschmidt Avenue
Lombard, Illinois 60148
(630) 620-5740

SUBJECT: Change Order #002 - Agreed Unit Pricing

Dear Mr. Schwab,

Vortex Lining Systems recently submitted Change Order #002, which includes several items that were not accounted for during the bidding process but were utilized during the lining of the additive section of the project. The agreed unit prices for these items are listed below. The POC for this memorandum is Ross Cooke at 864-918-7951 or by email at rcooke@vortexcompanies.com.

#	Item	Unit	Unit Price	Quantity	Amount
AUP #2	TEMPORARY BYPASS PUMPING SYSTEM - ADDITIVE	LS	\$11,171.26	1.0	\$11,171.26
33 01 30 / 08	INVERT REPAIR - ADDITIVE	CU FT	\$52.00	19.8	\$1,029.60
33 31 24 / 01	DEBRIS REMOVAL - ADDITIVE	CU FT	\$24.50	267.0	\$6,541.50
33 01 30 / 07	MANHOLE LINING - ADDITIVE	FOOT	\$545.00	3.0	\$1,635.00

Sincerely,

A handwritten signature in black ink, appearing to read "Ross Cooke".

Ross Cooke
RVP, Vortex Lining Systems