

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: December 5, 2024 (COW) (B of T) **Date:** December 19, 2024

TITLE: Large Diameter Combined Sewer Rehabilitation Project
Change Order #3

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

BACKGROUND/POLICY IMPLICATIONS:

The addition of an Authorized Unit Pay Item and the balancing of pay item quantities to date.

FISCAL IMPACT/FUNDING SOURCE:

Current Contract Amount: \$14,818,082.89
Change Order Amount: (\$ 87,280.31)
Revised Contract Amount: \$14,730,802.58
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.

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. 3 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 decrease the dollar amount of the contract by \$87,280.31 and, when combined with Change Order No. 1 and No. 2, would modify the original total dollar amount of the contract by \$31,880.54 and;

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 19th day of December 2024, pursuant to a roll call vote as follows:

Ayes: _____

Nays: _____

Absent: _____

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

Keith Giagnorio
Village President

ATTEST:

Liz Brezinski
Village Clerk

M E M O R A N D U M



To: Scott Niehaus, Village Manager

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

Through: Carl Goldsmith, Director of Public Works

Date: December 4, 2024

Subject: Change Order #3
Large Diameter Combined Sewer Rehabilitation Project

Summary

Change Order #3 decreases the current contract amount by \$87,280.31

Background

This project, funded by a low-interest loan from the Illinois Environmental Protection Agency (IEPA), involves a two-year contract to rehabilitate nearly two miles of large-diameter combined sewer, stretching from the east end of Lombard Common Park to the Glenbard Wastewater Treatment Plant.

Most of the project's cost is attributed to the lining the combined sewer with geopolymer mortar. Other components include lining and repairing manholes and installing sanitary sewer cleanouts at properties directly connected to the large-diameter sewer. Additionally, the project involves the lining a 30-inch diameter sewer overflow pipe using Cured-In-Place Pipe (CIPP) technology. This section of the pipe runs from the intersection of Finley Road and Hickory Street to the Glenbard treatment plant.

Details

The line items in Change Order #3 address pay items that differ from the original bid quantities, either being under or over the anticipated amounts. Specifically, this change order increases quantities for work completed to date and deducts quantities for pay items that are not expected to be needed when work resumes in 2025.

Regarding a new Authorized Unit price (AUP CO#3), on Washington Boulevard, a segment of sewer contains a bench (essentially a channel) formed in the lower half of the pipe. It is speculated that this bench was created as part of a repair of a pipe collapse that occurred sometime in the 1970s. Engineering staff has decided to eliminate the bench by tapering the walls of the pipe segment directly upstream and downstream, applying additional geopolymer lining material. This extra material will improve flow within the pipe by reducing the potential for blockages caused by debris entering the pipe.

Recommendation

The Change Order will be presented to the Public Works Committee on December 10, 2024. Pending the Committee's recommendation, please present Change Order #3 to the President and Board of Trustees for review and approval at their regular meeting on December 19, 2024. If approved, please return a signed copy to Engineering for further processing.

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: 3
CONTRACTOR: Vortex Lining Systems, LLC Date: 12/3/2024
DESCRIPTION OF CHANGE ORDER: AUP's and Line Item Adjustments

ORIGINAL CONTRACT AMOUNT:	[1]	\$ 14,698,922.04
TOTAL OF PREVIOUS AUTHORIZED CHANGE ORDERS:	[2]	\$ 119,160.85
CURRENT CONTRACT AMOUNT: ([1]+[2])	[3]	\$ 14,818,082.89
PROPOSED CHANGE ORDER: (PENDING APPROVAL)	[4]	\$ (87,280.31)
PROPOSED REVISED CONTRACT AMOUNT: (PENDING APPROVAL) ([3]+[4])	[5]	\$ 14,730,802.58

NET OF ALL CHANGE ORDERS: (PENDING APPROVAL) ([2]+[4]) \$ 31,880.54
TIME EXTENSION OR REDUCTION: -
TOTAL CONTRACT TIME: (PENDING APPROVAL) 420 Cal. Days (Original Contract + Approved Extension)
BUDGET ESTIMATE: \$16,073,200.00
ENGINEER'S ESTIMATE: \$19,296,574.00

RECOMMENDED FOR ACCEPTANCE:

<u>Roy Schul</u> Project Manager	<u>12-3-24</u> Date	Approved By:	_____ Director of Finance	_____ Date
<u>Ross Cooke</u> RVP, VLS Contractor	<u>12/3/24</u> Date	Approved By: (≤\$10K or 25%)	_____ Village Manager	_____ Date
<u>David R. Stone</u> Village Engineer	<u>12/4/24</u> Date	Approved By: (>\$10K or 25%)	_____ Village President	_____ Date
<u>[Signature]</u> Director of Public Works	<u>12/4/2024</u> 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: 12/3/2024
Change Order #: 3
Project #: SA 18 01 (21-0488)

#	Item	Current Quantity	Unit	Unit Price	Revised Quantity	Quantity	Amount	Description
AUP (CO#3)	Install Bench Taper in 108" on Washington Street	0.0	LS	\$10,415.00	1.0	1.0	\$10,415.00	Install additional material to taper the bench section on Washington St and reduce flow stoppage.
AUP#1 (CO#1)	Lateral Seal and Terminate	45.0	EA	\$880.57	62.0	17.0	\$14,969.69	Encountered additional laterals to seal and terminate
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6"	100.0	SQ YD	\$98.00	50.0	(50.0)	(\$4,900.00)	
44000200	DRIVEWAY PAVEMENT REMOVAL	320.0	SQ YD	\$23.00	160.0	(160.0)	(\$3,680.00)	
60257900	MANHOLES TO BE RECONSTRUCTED	14.0	EACH	\$7,145.00	4.0	(10.0)	(\$71,450.00)	
Z0004514	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4"	220.0	SQ YD	\$86.00	110.0	(110.0)	(\$9,460.00)	
33 05 13 / 01	REPLACE MANHOLE COVER	8.0	EACH	\$615.00	4.0	(4.0)	(\$2,460.00)	
33 05 13 / 02	REPLACE MANHOLE FRAME AND COVER	8.0	EACH	\$3,070.00	11.0	3.0	\$9,210.00	
33 05 13 / 03	SANITARY SEWER CLEANOUT	30.0	EACH	\$8,300.00	26.0	(4.0)	(\$33,200.00)	
33 05 13 / 02	REPLACE MANHOLE FRAME AND COVER - ADDITIVE	2.0	EACH	\$3,275.00	3.0	1.0	\$3,275.00	

- \$87,280.31



December 3, 2024

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

SUBJECT: Change Order #003 – Agreed Unit Pricing

Dear Mr. Schwab,

Vortex Lining Systems recently submitted Change Order #003, which includes the installation of a bench taper in the 108" diameter pipe on E Washington Blvd. Significantly more material and labor were used on this portion of the project. ~~Additionally, there is an item for the installation of a backwater valve at 234 S Fairfield.~~ 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	Current Quantity	Unit	Unit Price	Revised Quantity	Quantity	Amount	Description
Install Bench Taper in 108" on Washington Street	0.0	LS	\$10,415.00	1.0	1.0	\$10,415.00	Install additional material to taper the bench section on Washington St and reduce flow stoppage.
Backwater Valve at 234 S Fairfield	0.0	EA	\$11,222.85	1.0	1.0	\$11,222.85	Install Backwater Valve on S Fairfield Ave
Lateral Seal and Terminate	45.0	EA	\$880.57	62.0	17.0	\$14,969.69	Encountered additional laterals to seal and terminate
PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6"	100.0	SQ YD	\$98.00	50.0	(50.0)	(\$4,900.00)	
DRIVEWAY PAVEMENT REMOVAL	320.0	SQ YD	\$23.00	160.0	(160.0)	(\$3,680.00)	
MANHOLES TO BE RECONSTRUCTED	14.0	EACH	\$7,145.00	4.0	(10.0)	(\$71,450.00)	
HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4"	220.0	SQ YD	\$86.00	110.0	(110.0)	(\$9,460.00)	
REPLACE MANHOLE COVER	8.0	EACH	\$615.00	4.0	(4.0)	(\$2,460.00)	
REPLACE MANHOLE FRAME AND COVER	8.0	EACH	\$3,070.00	11.0	3.0	\$9,210.00	
SANTARY SEWER CLEANOUT	30.0	EACH	\$8,300.00	26.0	(4.0)	(\$33,200.00)	
REPLACE MANHOLE FRAME AND COVER - ADDITIVE	2.0	EACH	\$3,275.00	3.0	1.0	\$3,275.00	

Sincerely,

Ross Cooke
RVP, Vortex Lining Systems



CHRISTOPHER B. BURKE ENGINEERING, LTD.

9575 West Higgins Road Suite 600 Rosemont, Illinois 60018 TEL (847) 823-0500 FAX (847) 823-0520

December 3, 2024

Village of Lombard
255 E Wilson Avenue
Lombard, IL 60148

Attention: Mr. Ray Schwab, Civil Engineer Project Manager

Subject: **Large Diameter Combined Sewer Rehabilitation Project**
Contract No. SA 18 01
Change Order 003 – Recommendation
(CBBEL Project No. 210488)

Dear Mr. Schwab:

At the direction of the Village, Vortex Lining Systems has provided Agreed Unit Pricing for INSTALL BENCH TAPER. The 108" diameter sewer along Washington Boulevard has a segment where there is a bench formed in the lower half of the pipe. Tapering the walls of the pipe segment directly upstream and downstream of this bench with additional geopolymer lining material will help maintain flow by reducing the potential for material blockage.

Additionally, this change order increases quantities for actual work completed to date and deducts quantities for awarded Contract Line Items that are not anticipated to be needed based on field inspections of Contractor's progress.

CBBEL has reviewed the Contract Line Item quantity adjustments, and Agreed Unit Price associated with this Change Order and recommends Change Order 003 be accepted in the amount of (\$87,280.31).

If you have any questions, please do not hesitate to contact me.

Sincerely,

A blue ink signature of Ryan M. Lindeman, consisting of stylized initials 'R.M.L.' followed by a horizontal line.

Ryan M. Lindeman, PE
Resident Engineer
Senior Project Manager