

VILLAGE OF LOMBARD
REQUEST FOR BOARD OF TRUSTEES ACTION
For Inclusion on Board Agenda

 X Resolution or Ordinance (Blue) _____ 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: July 7, 2017 (COW) (B of T) **Date:** July 20, 2017

TITLE: IL Route 53 – Storm Water Pump Station
Change Order No. 3

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

BACKGROUND/POLICY IMPLICATIONS:

Change Order No. 3 is a net increase of \$273,341.29. The change order represents modifications to existing contract quantities, new Authorized Unit Price (AUP) items and Time and Material (T&M) items for work related to the redesign of the sanitary sewer and water main to resolve a conflict with the ComEd duct bank located along the west curblin of Route 53.

FISCAL IMPACT/FUNDING SOURCE:

Project #: SS 12 01
Current Contract Amount: \$5,463,523.68
Change Order #3: \$273,341.29
Total Revised Contract Amount: \$5,719,864.97
PO #: 2017-00000584
Account: Water/Sewer Capital Reserve 520.790.715.75420

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.

Interoffice Memo



To: Scott Niehaus, Village Manager
 From: David Gorman, P.E., Assistant Director Public Works Director
 Through: Carl Goldsmith, Public Works Director
 Date: July 7, 2017
 Subject: IL Route 53 Storm Water Pump Station Improvements
 Change Order No. 3

Attached please find Change Order No. 3 for this project in the amount of a net increase of \$273,341.29. The change order represents thirteen (13) Authorized Unit Price (AUP) items, fourteen (14) changes to existing contract pay items and two (2) time and material billings. Refer to the summary sheet of the change order form for all changes related to contract pay items.

SANITARY SEWER SYSTEM RE-DESIGN ADJUSTMENT TO EXISTING QUANTITIES & NEW PAY ITEMS

One specific situation generated a significant change to the underground utility component of the project. As discussed in Change Order #1, while exposing the northern 90 degree bend of the existing 72 inch diameter storm sewer it was discovered that existing sanitary sewer was in conflict with the ComEd duct that is located by the west curb line of IL Route 53. The only prudent option was to relocate the sanitary sewer crossing to the northern limit of the project area. The initial solution was to directionally drill the new sanitary sewer under Route 53 (as submitted in Change Order #1). This proved to be ineffective as the horizontal directional drilling operation encountered blockage. Most likely this was due to large rock within the roadway base that impeded the auger. Time and Material Billings 2 & 3 are the costs associated with the contractor's effort to establish the jack and bore pits and the attempt to bore the casing pipe under IL Route 53.

It was decided to abandon the alternative of horizontally drilling the casing pipe for the sanitary sewer. The Village regrouped with its consultants, affected public utilities and IDOT. The option of "open cutting" the roadway and installing the water and sewer mains by the traditional method of excavating and backfilling was selected. The IDOT permit required an extensive revised traffic control plan to accommodate the underground subcontractor when he is staging within the IDOT right-of-way and/or working within eight feet of a travel lane. AUPs # 14 & 15 are the costs associated with the establishing the approved signage, arrow boards, traffic barrels, Impact Attenuators and barrier wall. **Deductions to line items related to horizontal drilling of the water and sewer mains were largely included in Change Order #2, with some remaining adjustments included in Change Order #3.** Pay items related to pavement patching, sanitary sewer, curb and gutter are also associated with the sanitary sewer re-design and the required traffic control measures.

This change order will be presented to the Public Works Committee at their meeting of July 11, 2017. 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 July 20, 2017. If approved, please have two signed copies returned to Engineering for further processing.

DG/rgs

RESOLUTION
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. 3 to the contract between the Village of Lombard and the Rausch Infrastructure, LLC regarding the IL Route 53 Storm Water Pump 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 \$273,341.29.

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 20th day of July, 2017, pursuant to a roll call vote as follows:

Ayes: _____

Nays: _____

Absent: _____

Approved by me this 20th day of July, 2017.

Keith Giagnorio
Village President

ATTEST:

Sharon Kuderna
Village Clerk

VILLAGE OF LOMBARD CHANGE ORDER

PROJECT NAME: IL Rte 53 Storm Water Pump Station Imp PROJECT NO.: SS-12-01
 LOCATION: Phillips Court/IL Rte 53 CHANGE ORDER: 3
 CONTRACTOR: Rausch Infrastructure LCC DATE: 7/6/2017
 DESCRIPTION OF CHANGE ORDER: Approved extra work and contract items added/deducted

ORIGINAL CONTRACT AMOUNT:	[1]	5,279,700.00
TOTAL OF PREVIOUS AUTHORIZED CHANGE ORDERS:	[2]	183,823.68
CURRENT CONTRACT AMOUNT: ((1)+[2])	[3]	5,463,523.68
PROPOSED CHANGE ORDER: (PENDING APPROVAL)	[4]	273,341.29
PROPOSED REVISED CONTRACT AMOUNT: (PENDING APPROVAL) ((3)+[4])	[5]	5,736,864.97

NET OF ALL CHANGE ORDERS: (PENDING APPROVAL) ([2]+[4])		\$457,164.97
TIME EXTENSION OR REDUCTION:		_____
TOTAL CONTRACT TIME:		270 Cal Days
BUDGET ESTIMATE:		\$4,950,000.00
ENGINEER'S ESTIMATE:		\$5,560,000.00

RECOMMENDED FOR ACCEPTANCE :

Rag Selb 7-6-17 Approved By: _____
 Resident Engineer Date Director of Finance Date

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

S PL 7-7-17 Approved By: _____
 Village Engineer Date (>\$10K or 25%) Village President Date

[Signature] 7/10/17 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.

No.	Item	Current Quantity	Unit	Unit Price	Revised Quantity	Difference	Amount	Description
20800150	TRENCH BACKFILL	550.0	CU YD	\$34.00	1,050.0	500.00	\$17,000.00	Change to sanitary sewer design
21300010	EXPLORATION TRENCH, SPECIAL	300.0	CU YD	\$165.00	500.0	200.00	\$33,000.00	Change to sanitary sewer design &
44201747	CLASS D PATCHING, TYPE IV, 8 INCH	200.0	SQ YD	\$75.00	436.0	236.00	\$17,700.00	Change to sanitary sewer design
44201821	CLASS D PATCHING, TYPE IV, 14 INCH	200.0	SQ YD	\$110.00	65.0	(135.00)	(\$14,850.00)	Change to sanitary sewer design
44000500	CURB REMOVAL	0.0	L.F.	\$22.00	831.0	831.00	\$18,282.00	Change to sanitary sewer design
56103000	DUCTILE IRON WATER MAIN, 6"	55.0	L.F.	\$152.00	60.0	5.00	\$760.00	Change to sanitary sewer design
56103100	DUCTILE IRON WATER MAIN, 8"	260.0	L.F.	\$155.00	242.0	(18.00)	(\$2,790.00)	Change to sanitary sewer design
60200105	CATCH BASIN, 4' DIA. TYPE A WITH TYPE 8 F&G	3.0	Each	\$2,300.00	2.0	(1.00)	(\$2,300.00)	
60218400	MANHOLE, TYPE A, 4' DIA., T1 FRAME, CLOSED LID	4.0	Each	\$5,000	3.0	(1.00)	(\$5,000.00)	Change to sanitary sewer design
60605000	COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24	100.0	L.F.	\$36.00	831.0	731.00	\$26,316.00	Change to sanitary sewer design
Z0067700	STEEL CASING, 20" AUGERED	35.0	L.F.	\$757.00	0.0	(35.00)	(\$26,495.00)	Change to sanitary sewer design
Z0067700	STEEL CASING, 20" OPEN CUT	95.0	L.F.	\$145.00	34.0	(61.00)	(\$8,845.00)	Change to sanitary sewer design
56105000	WATER VALVE 8 INCH IN BOX	1.0	EACH	\$2,050.00	0.0	(1.00)	(\$2,050.00)	Change to sanitary sewer design
31 20 00/05	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	200.0	CU YD	\$75.00	400.0	200.00	\$15,000.00	Under estimated quantity for
AUP Caba#1	PRESSURE CONNECTION IN VALVE VAULT	0.0	Each	\$9,429.00	1.0	1.00	\$9,429.00	Change to sanitary sewer design
AUP Caba#2	8 INCH DUCTILE IRON PIPE SANITARY SEWER (IDOT ROW)	0.0	L.F.	\$415.00	94.0	94.00	\$39,010.00	Change to sanitary sewer design
AUP Caba#3	Sanitary Sewer Manhole Abandon	0.0	Each	\$1,215.00	1.0	1.00	\$1,215.00	Change to sanitary sewer design
AUP Caba#4	STEEL CASING, 20" OPEN CUT (IDOT ROW)	0.0	L.F.	\$256.95	50.0	50.00	\$12,847.50	Change to sanitary sewer design
AUP Caba#4	DUCTILE IRON WATER MAIN, 8" (IDOT ROW)	0.0	L.F.	\$540.00	110.0	110.00	\$59,400.00	Change to sanitary sewer design
AUP Caba#5	WATER VALVE 8 INCH IN VAULT	0.0	Each	\$2,194.97	1.0	1.00	\$2,194.97	Change to sanitary sewer design
AUP Caba#6	East Side Casing -of Underground Utilities per IEPA	0.0	L.S.	\$17,940.00	1.0	1.00	\$17,940.00	Change to sanitary sewer design
T&M #2	Steel Casing Prep and Install (11/10 to 12/22)	0.0	L.S.	\$34,626.36	1.0	1.00	\$34,626.36	Unsuccessful augering of sanitary sewer
T&M #3	Unsuccessful Auger-Boring of 20" Steel Casing (L.J. Keefe & Caba) 12/21 & 12/22	0.0	L.S.	\$10,007.77	1.0	1.00	\$10,007.77	Unsuccessful augering of sanitary sewer
AUP #11	SANITARY SEWER, 8" PVC SDR 26	272.0	L.F.	\$133.00	0.0	(272.00)	(\$36,176.00)	Change to sanitary sewer design
AUP #12	TRAFFIC CONTROL (Water/Sewer Work Zone Safety)	0.0	L.S.	\$12,789.00	1.0	1.00	\$12,789.00	Traffic Control during Investigation and Design
AUP #13	TRAFFIC CONTROL (Water/Sewer Rausch Infrastructure)	0.0	L.S.	\$8,349.39	1.0	1.00	\$8,349.39	Traffic Control during Investigation and Design
AUP #14	IDOT Traffic Control for IL 53 (WZS water & sanitary)	0.0	L.S.	\$21,453.55	1.0	1.00	\$21,453.55	IDOT requirement
AUP #15	IDOT Traffic Control for IL 53 (RI water & sanitary)	0.0	L.S.	\$9,591.75	1.0	1.00	\$9,591.75	IDOT requirement
AUP #16	Pavement Marking on IL Route 53	0.0	L.S.	\$4,935.00	1.0	1.00	\$4,935.00	IDOT requirement

TOTAL AMOUNT= \$273,341.29