

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

 X Resolution or Ordinance (Blue) _____ Waiver of First Requested

Other Business (Pink)

TO: PRESIDENT AND BOARD OF TRUSTEES

FROM: Scott Niehaus, Village Manager

DATE: March 8, 2017 (COW) (B of T) **Date:** March 16, 2017

TITLE: IL Route 53 – Storm Water Pump Station
Change Order No. 2

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

BACKGROUND/POLICY IMPLICATIONS:

Change Order No. 2 is a net increase of \$56,131.00. The change order represents six (6) modifications to existing contract quantities and three (3) Authorized Unit Price (AUP) items for work related to field changes.

FISCAL IMPACT/FUNDING SOURCE:

Project #: SS 12 01
Current Contract Amount: \$5,407,392.68
Change Order #2: \$56,131.00
Total Revised Contract Amount: \$5,463,523.68
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 *DG*
 Through: Carl Goldsmith, Public Works Director *CG*
 Date: March 8, 2017
 Subject: IL Route 53 Storm Water Pump Station Improvements
 Change Order No. 2

Attached please find Change Order No. 2 for this project in the amount of a net increase of \$56,131.00. The change order represents three (3) Authorized Unit Price (AUP) items, and six (6) changes to existing contract pay items. Refer to the summary sheet behind the change order form for all changes related to contract pay items.

ADJUSTMENT TO EXISTING QUANTITIES

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 most viable 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 sub-contractor could not auger under the roadway due to large rock impeding the auger bit. To address this situation, the Village regrouped with its' consultants, effected public utilities and IDOT. A final solution was worked out resulting in raising and modifying the ComEd duct that is in conflict with the sanitary sewer. Under the circumstances, ComEd ceded to raising their duct and IDOT will allow the Village to open cut the roadway. The IDOT permit requires a 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. **Changes to the quantities related to water main, water service, steel casing and large storm sewer result in a deduction of \$70,232.00.**

New pay items related to open cut installation of water and sewer main under IL Route 53 and traffic control are still under negotiation with the contractor and will be include in the next change order.

NEW PAY ITEMS

Village staff along with the project design engineer evaluated and decided to incorporate a design suggestion from the general contractor. In the event of any catastrophic power/generator/mechanical failure, an emergency bypass would reduce upstream flooding within the drainage basin contributing flow to the IL Route 53 Pump Station. The installation of an emergency bypass would not only serve as a manual bypass in a massive storm event but will also allow staff to maintain/service the station wet well under most any circumstance.

Changes related to the bypass include a second 10" x 10' Junction Structure (item 03 41 00/01), support and restraint necessary during the construction of the second junction chamber (AUP 8) and the addition of a second sluice gate (AUP 9). Total Cost = \$123,282.00.

AUP #10 SEWER RODDING UNDER ROUTE 53 This billing was incurred due to the storm sewer under IL Route 53 being blocked with sediment. As part of the rerouting of the sanitary sewer system, it was necessary to run a temporary bypass sanitary sewer through the storm sewer that runs under IL Route 53. Village crews attempted to open up the line but the Village's Vactor truck was not powerful enough to get through the blockage. The contractor then hired National Power Rodding (NPR) for this operation. NPR was successful in getting through the sewer allowing the general to temporarily bypass the sanitary sewer. The billing includes labor, equipment and disposal fees. *Billing = \$3,081.00*

This change order will be presented to the Public Works Committee on March 14, 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 March 16, 2017. If approved, please have two signed copies returned to Public Works for further processing.

DG/rgs

H:\PWPW-Eng\PROJECTS\FY2010\SS-10-01 Rte 53 Storm Pump Station\Construction\Change Orders\CO#2 BoT memo draft.doc

R E S O L U T I O N
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. 2 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 \$56,131.00.

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 16th day of March, 2017, pursuant to a roll call vote as follows:

Ayes: _____

Nays: _____

Absent: _____

Approved by me this 16th day of March, 2017.

Keith Giagnorio
Village President

ATTEST:

Sharon Kuderna
Village Clerk

No.	Item	Current Quantity	Unit	Unit Price	Revised Quantity	Difference	Amount	Description
03 41 00/01	JUNCTION STRUCTURE 10'X10'	1	EA	\$52,000.00	2	1.0	\$52,000.00	Required a new structure (east of the proposed wet well) to keep the sewer line active as a gravity sewer during pump station maintenance operations
56103100	DUCTILE IRON WATER MAIN, 8"	450	FT	\$155.00	260	(190.0)	(\$29,450.00)	Revised Quantity CO #1 with sheet 16A changes
56200300	WATER SERVICE LINE, 1"	50	FT	\$58.00	135	85.0	\$4,930.00	Revised Quantity CO #1 with sheet 16A changes
Z0057000	SANITARY SEWER, 10" PVC SDR 26	326	FT	\$136.00	314	(12.0)	(\$1,632.00)	Revised Quantity CO #1 with sheet 16A changes
Z0067700	STEEL CASING, 20" AUGERED	75	FT	\$757.00	35	(40.0)	(\$30,280.00)	Revised Quantity CO #1 with sheet 16A changes
33 05 13/02	STORM SEWER REMOVAL AND BACKFILL, 72" RCP	120	FT	\$345.00	80	(40.0)	(\$13,800.00)	The 72 inch sewer line was left in place and will be active as a gravity sewer during pump station maintenance operations
AUP 8	SUPPORT AND RESTRAINT OF EXISTING 72 INCH STORM SEWER DURING CONSTRUCTION OF 10'x10' CONNECTION STRUCTURE	0	LS	\$28,000.00	1	1.0	\$28,000.00	Support and restraint of the 72 inch Storm Sewer during construction of a new connection structure (east of the proposed wet well) to keep the sewer line active as a gravity sewer during pump station maintenance operations
AUP 9	SLUICE GATE 72 INCH DIA WITHOUT MOTORIZED OPERATIONS AND REVISIONS FOR THE NORTH JUNCTION STRUCTURE 10FT X10FT	0	LS	\$43,282.00	1	1.0	\$43,282.00	Required structure modifications (increase of 3ft in depth) to install a non motorized sluice gate in the proposed north Junction Structure 10'X10'.
AUP 10	CLEANING OF THE STORM SEWER UNDER IL. RTE. 53 TO INSTALL A TEMPORARY HOSE TO CONNECT THE EXISTING SANITARY SEWER LINE	0	LS	\$3,081.00	1	1.0	\$3,081.00	The Contractor hired a speciality sub-contractor after others were not able to access/clean the storm sewer and MH for a temporary hose connection into the MH to keep the sanitary sewer line active.
TOTAL AMOUNT=							\$66,131.00	



March 6, 2017

Village of Lombard
Public Works Department
1051 S. Hammerschmidt Avenue
Lombard, IL 60148

Attention: Ray Schwab

Re: RCC File Letter 014A – Route 53 Storm Water Pump Station
Subject: Change request for an existing 10 x 10 connection structure
Agreed Unit Price #8

Dear Ray

Attached is a lump sum proposal for an addition 10 x 10 connecting structure, support of existing 72 inch sewer inside structure and restraint. Once project is ready the existing sewer will be demolished inside of the 72" structure. CBE shall provide Rausch a design of the structure with walls base and top not to exceed 12" thick with reinforcing equivalent to a precast structure.

Lump sum support of existing sewer \$ 28,000.00
All other work covered by contract unit prices

Total Lump Sump Price for Modification is \$ 28,000

The above prices include our fee and liability insurance.

Respectfully
Rausch Infrastructure LLC

William M. Rausch



March 1, 2017

Village of Lombard
Public Works Department
1051 S. Hammerschmidt Avenue
Lombard, IL 60148

REVISED

Attention: Ray Schwab

Re: RCC File Letter 006 A – Route 53 Storm Water Pump Station
Subject: Additional 72 Inch Sluice gate and deeper 10 x 10 Box

Dear Ray

Attached is a lump sum proposal for one additional 72" Sluice gate with out an operator and a deeper 10 x 10 Concrete Box.

All the work is per CBE Drawings Dated 11/22/2016. I suggest the Village supply us on additional Davit insert the same as the ones being provided for the Wet Well top slab to be cast in the top slab of this box to provide for safe entry to this structure.

Total Lump Sump Price for Modification is \$ 43,282.00

The above prices include our fee and liability insurance.

Respectfully
Rausch Infrastructure LLC

William M. Rausch



ESTIMATE WORKSHEET

Trade: Clean Sediment in existing Pump Station

PROJECT NAME: Route 53 Stormwater Pump Station

FILE NAME: Revised 2.2.2017.xlsx|new

PAGE: 1

DATE: 30-Nov-16 Revised 2.2.2017

P:\2016-005-Lombard, Route 53 Pump Station\PCO's\PCO 5 - Sluice gate - 10 x 10 box\PCO 5 - Add Sluice gate w/o operator

PCO #5 Sluice Gate and revised 10 x 10 Box

DESCRIPTION	QUANTITY	UNIT	MATERIAL UNIT PRICE	MATERIAL TOTAL	LABOR UNIT PRICE	LABOR TOTAL	EQUIPMENT UNIT PRICE	EQUIPMENT TOTAL	SUBCONTRACTORS UNIT PRICE	SUBCONTRACTORS TOTAL
East Jordan casting for Stem / Remote operator	1	ea	275.00	275.00						
East Jordan Moment boxes for anchor bolts	6	ea	225.00	1,350.00						
Revised Box - Original Box invert elevation 678 - New Box elevation - 675.8										
Additional Excavation	15	CY	15.00	225.00	20.00	300.00	75.00			
Additional Backfill	10	CY	35.00	350.00	20.00	200.00	50.00			
Additional Concrete for addition 3' total depth	5	CY	250.00	1,250.00	-450.00	-2,250.00				
TOTALS				3,450.00		2,750.00		125.00		0.00

Unit Costs

DESCRIPTION	UNIT	TOTAL COST
1 LS		6,325.00
Fee 30% on Labor		825.00
Fee 15% Material		517.50
Subtotal		7,667.50
General Liability 1.5%		115.01
TOTAL		7,782.51

Contract unit price for 72" Sluice Gate Item 33.41

1 ls		39,000.00
Credit for no operator		-3,500.00
Total change		\$ 43,282.61



Infrastructure Construction
Heavy Construction

AUP 10

March 1, 2017

Village of Lombard
Public Works Department
1051 S. Hammerschmidt Avenue
Lombard, IL 60148

Attention: Ray Schwab

Re: RCC File Letter 013 – Route 53 Storm Water Pump Station
Subject: Change request to clean culvert under Rt 53.

Dear Ray

Attached is a lump sum proposal for the cleaning of the culvert under Rt 53.

National Power Rodding:	\$2,900
Fee 5%	\$ 145
Insurance 1.2%	\$ 36.

Total Lump Sump Price for Modification is \$3081.00 ✓

The above prices include our fee and liability insurance.

Respectfully
Rausch Infrastructure LLC

William M. Rausch



NATIONAL POWER RODDING CORP.
Specializing in today's needs for environmental protection
 2500 W. Arthington Street • Chicago, IL 60612-4108
 (312) 668-7700 • Fax (312) 666-5810

INVOICE: 47731 Page: 1

DUPLICATE

Bill
 To: RAUSCH INFRASTRUCTURE
 WILLIAM RAUSCH
 8700 W. BRYN MAWR AVE.
 SUITE 830N
 CHICAGO, IL 60631

Invoice Number 47731
 Date 12/7/2016
 Our Job No. RAU101-1
 Your Reference 16-938
 Requisition No. 2016-005
 Release No.
 Authority WILLIAM RAUSCH
 Terms Net 30 days
 For Transactions To 11/10/2016

Item/Description	Quantity	Unit	Unit Price	Total Price
CHARGES FOR PERSONNEL AND EQUIPMENT				
LOCATION: 63 COLUMBINE (UNDER RTE 53) - LOMBARD, IL				
Sewer Cleaning	4.00	HR	725.00	2,900.00

RECEIVED
 DEC 13 2016

Subtotal: 2,900.00
 Amount Paid: 0.00
 Total: 2,900.00