

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: June 29, 2016 (COW) (B of T) **Date:** July 21, 2016

TITLE: Transmission Main
Change Order No. 1

SUBMITTED BY: David P. Gorman, P.E., Assistant Director of Public Works *7*

BACKGROUND/POLICY IMPLICATIONS:

Change Order No. 1 is a net increase of \$63,774.05. The change order represents additional horizontal directional drill, extra work for 16" water main, and extra work for 12" water main.

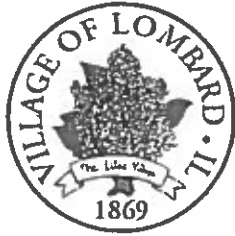
FISCAL IMPACT/FUNDING SOURCE:

Project #: WA 16 02
Budget Amount: \$3,323,000
Current Contract Amount: \$2,915,870.01
Change Order #1: \$63,774.05
Total Revised Contract Amount: \$2,979,644.06
PO #: 2016-00001621

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 of PW *DG*
Date: June 24, 2016
Subject: Transmission Main Project - Change Order No. 1

Attached is proposed Change Order No. 1 for Water Transmission Main project. The change order for a net increase of \$63,774.05 includes a field modification on the installation for the transmission main along west side of School Street (Wilson to Morris) from open cut (per plan) to horizontal directional drill (HDD). The increased cost for this change would be \$25,974.05. This change order also includes extra work for 16" water main for \$6,300.00, and potential extra work for a 12" water main for \$31,500.00.

Directional Drilling

The current design to open cut the parkway to install the water main along west side of S. School Street (E. Wilson to E. Morris) would require the removal and restoration of 15 trees, 12 driveways, and the parkway. During the design phase, Staff had opted for an open-cut design in order to reduce costs. As such, the awarded bid for the project does not include the cost of tree removal nor tree replacement, and a new pay item needs to be created by this change order.

The estimated value of the 15 trees to be removed is \$24,409.32. This does not include the additional value that these trees provide to the property values of the adjacent homes. The estimated cost of removal and stump grinding is \$4,521.61, and estimated cost for replacement is \$6,300. The total estimated value of the trees plus the cost (attached) of the removal and the replacing the trees by the Village is then \$35,230.93. The proposed cost of the HDD is \$25,974.05. Thus, the cost saving of the HDD over the open cut is \$9,256.88.

Based on evaluation of the HDD vs the open cut for installation of the transmission main on S. School Street, Staff recommends to approve the change order to install the main using HDD.

Extra Work for 16" Water Main:

It was found that there is no existing valve on the existing 16" water main along E. Wilson at S. Stewart. Such a valve is necessary to shut off the water prior to connecting the new main. This work includes a 16" line stop, a 16" butterfly valve, a 5'-diameter valve vault, and a non-pressure connection. The cost for this work is \$6,300, which includes a credit for a tapping sleeve that will not be required.

Extra Work for 12" Water Main:

There is a potential problem if the existing valve on the 12" water main west of Stewart would not completely close and shut water off as required to connect the new main. Even with audio technology, it is not possible to determine for sure whether the valve is closing completely prior to cutting the main. Therefore, a contingency line item for \$31,500 is proposed to install a new valve on the 12" main. The installation would include a 12" line stop, a 12" gate valve, a 5'-diameter valve vault, and a non-pressure connection. This extra work would not be installed if the existing valve for the 12" water main works.

The contractor anticipates initiating the work on the 16" and 12" water main on June 29, and the HDD work on July 5. Therefore, this request is being sent to the Public Works and Environmental Concerns Committee for a phone poll. The formal request for an approval by the Board of Trustees will be presented to the Board on July 21, 2016. If approved, please have one signed original document sent to records and the other signed original document returned to Engineering for further processing.

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.1 to the contract between the Village of Lombard and the Swallow Construction Corp regarding the Transmission Main, 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 \$63,774.05.

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.

Resolution _____

Legistar: 160280

Adopted this 21st day of July, 2016, pursuant to a roll call vote as follows:

Ayes: _____

Nays: _____

Absent: _____

Approved by me this 21st day of July, 2016.

Keith Giagnorio
Village President

ATTEST:

Sharon Kuderna
Village Clerk

VILLAGE OF LOMBARD CHANGE ORDER

PROJECT NAME: Transmission Main Project PROJECT NO.: WA-16-02
LOCATION: Willson Avenue & School Street CHANGE ORDER: 1
CONTRACTOR: Swallow Construction DATE: 6/24/2016
DESCRIPTION OF CHANGE ORDER: Approved extra work and contract items added

ORIGINAL CONTRACT AMOUNT:	[1] <u>2,915,870.01</u>
TOTAL OF PREVIOUS AUTHORIZED CHANGE ORDERS:	[2] <u>\$0.00</u>
CURRENT CONTRACT AMOUNT: ((1)+[2])	[3] <u>\$2,915,870.01</u>
PROPOSED CHANGE ORDER: (PENDING APPROVAL)	[4] <u>\$63,774.05</u>
PROPOSED REVISED CONTRACT AMOUNT: (PENDING APPROVAL) ((3)+[4])	[5] <u>\$2,979,644.06</u>

NET OF ALL CHANGE ORDERS: (PENDING APPROVAL) ((2)+[4]) \$63,774.05
TIME EXTENSION OR REDUCTION: _____
TOTAL CONTRACT TIME: 210 Cal Days
BUDGET ESTIMATE: _____
ENGINEER'S ESTIMATE: \$3,325,119.00

RECOMMENDED FOR ACCEPTANCE :

[Signature]
Resident Engineer

7/7/16
Date

Approved By:

[Signature]
Director of Finance

6/27/16
Date

[Signature]
Contractor

7/7/16
Date

Approved By:
(\leq \$10K or 25%)

Village Manager

Date

[Signature]
Village Engineer

7/9/16
Date

Approved By:
(\leq \$10K or 25%)

Acting Village President

Date

[Signature]
Director of Public Works

7/2/16
Date

Attest:

Village Clerk

Date

[Signature]
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.

Change Order #: 1

No.	Item	Current Quantity	Unit	Unit Price	Revised Quantity	Difference	Amount	Description
3	TOPSOIL FURNISH AND PLACE, 4"	3,448	SY	\$5.15	930	(2,518.0)	(\$12,967.70)	Parkway Restoration on School Street not used due to change to directional drilling.
4	SEEDING, CLASS 1A	0.75	ACRE	\$2,100.00	0.25	(0.5)	(\$1,050.00)	Parkway Restoration on School Street not used due to change to directional drilling.
5	NITROGEN FERT NUTR	64	LB	\$5.25	21	(43.0)	(\$225.75)	Parkway Restoration on School Street not used due to change to directional drilling.
6	POTASSIUM FERT NUTR	64	LB	\$5.25	21	(43.0)	(\$225.75)	Parkway Restoration on School Street not used due to change to directional drilling.
7	EROSION CONTROL BLANKET	2,325	SY	\$1.15	0	(2,325.0)	(\$2,673.75)	Parkway Restoration on School Street not used due to change to directional drilling.
9	AGGREGATE BASE COURSE, TYPE B	1,038	TN	\$36.00	917	(121.0)	(\$4,356.00)	Sidewalk aggregate base on School Street not used due to change to directional drilling.
16	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	380	SY	\$55.00	88	(292.0)	(\$16,060.00)	Sidewalk replacement on School Street not used due to change to directional drilling.
20	DRIVEWAY PAVEMENT REMOVAL	540	SY	\$4.75	188	(352.0)	(\$1,672.00)	Driveway apron removal on School Street not used due to change to directional drilling.
22	SIDEWALK REMOVAL	4,474	SF	\$1.00	474	(4,000.0)	(\$4,000.00)	Sidewalk removal on School Street not used due to change to directional drilling.
28	DUCTILE IRON WATER MAIN 16"	6,695	FT	\$110.00	5405	(1,290.0)	(\$141,900.00)	1290 FT of Open Cut work removed and changed to AUP 1 on School Street.
29	BUTTERFLY VALVES 16"	10	EA	\$7,000.00	11	1.0	\$7,000.00	Added east of Stewart to be able to shutdown the existing 16 inch main.
30	TAPPING VALVES AND SLEEVES 16"	1	EA	\$18,200.00	0	(1.0)	(\$18,200.00)	Not used due to field conditions
38	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	10	EA	\$500.00	12	2.0	\$1,000.00	Added east of Stewart to be able to shutdown the existing 16 inch main.
52	TRENCH BACKFILL, SPECIAL	6,402	CY	\$40.00	4849	(1,553.0)	(\$62,120.00)	TBF (1553CY) not used due to change from open cut installation to directional drilling.

53	PORTLAND CEMENT CONCRETE SIDEWALK, SPECIAL	4,474	SF	\$8.00	474	(4,000.0)	(\$24,000.00)	Sidewalk replacement on School Street not required due to change to directional drilling.
59	CONNECTION TO EXISTING WATER MAIN (NON PRESSURE)	1	EA	\$17,000.00	3	2.0	\$34,000.00	Added to be able to connect the existing 16 inch and 12 inch water mains.
69	BITUMINOUS DRIVEWAY PAVEMENT, 3"	160	SY	\$40.00	100	(60.0)	(\$2,400.00)	Driveway replacement on School Street not required due to change to directional drilling.
91	HORIZONTAL DIRECTIONAL DRILL DUCTILE IRON WATER MAIN, 16"	1,611	FT	\$266.00	0	(1,611.0)	(\$428,526.00)	Unit price lowered as agreed by adding more work on School Street
93	STUMP REMOVAL 6"-15" DBH	10	EA	\$125.00	0	(10.0)	(\$1,250.00)	Tree Stump removal on School Street not required due to change to directional drilling.
94	STUMP REMOVAL OVER 15" DBH	5	EA	\$150.00	0	(5.0)	(\$750.00)	Tree Stump removal on School Street not required due to change to directional drilling.
AUP1	HORIZONTAL DIRECTIONAL DRILL DUCTILE IRON WATER MAIN, 16"	0	FT	\$251.00	2901	2,901.0	\$728,151.00	Plan qty 1,611 FT plus extra School Street 1,290 FT= 2,901 FT at new unit price.
AUP2	12 inch Line Stop and 12 inch Gate Valve	0	EA	\$14,000.00	1	1.0	\$14,000.00	Added to be able to shutdown the existing 12 inch water main that services the residents on Wilson.
AUP 3	Storm Sewer Removal and Replacement with Watermain Quality Pipes- 8 Inch	0	LF	\$80.00	25	25.0	\$2,000.00	Sewer found during the water main installation that needed to be water main quality pipe to meet requirements.
							TOTAL AMOUNT=	\$63,774.05

SWALLOW

CONSTRUCTION CORP

SEWER & WATER CONTRACTORS



4250 Lacey Road
Downers Grove, IL 60515

Phone (630) 512-9900
Fax (630) 512-9902

June 21, 2016

Village of Lombard
255 E. Wilson Ave
Lombard, IL 60148
Attn: Ying Miao

Re: Village of Lombard Transmission Main – Directional Bore Alternate – School Street

Mrs. Miao,

Swallow Construction would like to propose an alternate to directional bore an additional section of School Street from Station; 200+70 to 209+00, 209+50 to 212+50, and 215+90 to 217+50. This would be in addition to the area that was already designed as directional bore. I have attached a breakdown of the additional cost for your review. The only additional cost that is not shown on the attachment would be in grass areas where we would need to pothole utilities. These areas would be minimal as all bore pits would be at the located at the beginning and end of open cut sections.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Bob Gatto', with a long, sweeping underline.

Bob Gatto, Project Manager
Swallow Construction

VILLAGE OF LOMBARD
Project Number WA16-02

Cost for Additional HDD vs Open Cut (Sta.209+00-200+70, 212+50-209+50,
217+50-215+90) 830' 300'
150'

NO.	ITEM	QUAN.	UNIT	UNIT PRICE	TOTAL PRICE
3	Topsoil Furnish and Place, 4"	2518	SY	\$ 5.15	\$ 12,967.70
4	Seeding, Class 1A	0.50	ACRE	\$ 2,100.00	\$ 1,050.00
5	Nitrogen Fert Nutr	43	LB	\$ 5.25	\$ 223.65
6	Potassium Fert Nutr	43	LB	\$ 5.25	\$ 225.75
7	Erosion Control Blanket	2518	SY	\$ 1.15	\$ 2,895.70
9	Agg Base Course, Type B	121	TON	\$ 36.00	\$ 4,347.00
16	Portland Cement Concrete Driveway Pavement, 6 Inch	292	SY	\$ 55.00	\$ 16,043.50
20	Driveway Pavement Removal	352	SY	\$ 4.75	\$ 1,672.48
22	Sidewalk Removal	4000	SF	\$ 1.00	\$ 4,000.00
28	Ductile Iron Water Main 16"	1290	FOOT	\$ 110.00	\$ 141,900.00
52	Trench Backfill, Special	1553	CY	\$ 40.00	\$ 62,120.00
53	Portland Cement Concrete Sidewalk, Special	4000	SF	\$ 6.00	\$ 24,000.00
69	Bituminous Driveway Pavement, 3"	60	SY	\$ 40.00	\$ 2,416.00
93	Stump Removal 6"-15" DBH	14	EACH	\$ 125.00	\$ 1,750.00
					\$ 275,611.78

91	Horizontal Directional Drill Ductile Iron Water Main, 16"	1290	FOOT	\$ 266.00	\$ 343,140.00
					\$ 343,140.00

Horizontal Directional Drill Total	\$	343,140.00
Open Cut Total	\$	275,611.78
Total additional Cost to drill	\$	67,528.23
Credit For Additional Drilling	\$	15.00
Total Additional - Credit	\$	43,515.00
	\$	24,013.23

$$\text{AUP \#1} = \frac{\$ 266.00}{\text{FT}} - \frac{\$ 15.00}{\text{FT}} = \underline{\underline{\$ 251.00/\text{FT}}}$$
 New unit price for #91 Horizontal Directional Drilling 16"

SWALLOW CONSTRUCTION CORP



SEWER & WATER CONTRACTORS

4250 Lacey Road
Downers Grove, IL 60515

Phone (630) 512-9900
Fax (630) 512-8902

Aug # 2

June 23, 2016

Village of Lombard
Attn: Ying Miao
255 E Wilson Ave
Lombard, IL 60148

Re: Village of Lombard
Transmission Main Project
Dear Ying,

Swallow Construction Corporation submits the following proposed agreed unit price for the above referenced project:

Description	Unit of Measure	Unit Price
12" Line Stop and 12" Gate Valve	EA	\$14,000.00
Trench backfill is excluded		

We trust this price meets with your approval. If you have any questions or require additional information, please contact me at our office.

Sincerely,

Bob Gatto
Swallow Construction Corporation

AUP #3

SWALLOW

CONSTRUCTION CORP

SEWER & WATER CONTRACTORS



4250 Lacey Road
Downers Grove, IL 60515

Phone (630) 512-9900
Fax (630) 512-9902

June 23, 2016

Village of Lombard
Attn: Ying Miao
255 E Wilson Ave
Lombard, IL 60148

Re: Village of Lombard
Transmission Main Project
Dear Ying,

Swallow Construction Corporation submits the following proposed agreed unit price for the above referenced project:

Description	Unit of Measure	Unit Price
8" Storm Sewer Removal	LF	\$5.00
8" Watermain Quality Storm	LF	\$ 75.00

We trust this price meets with your approval. If you have any questions or require additional information, please contact me at our office.

Sincerely,

Bob Gatto
Swallow Construction Corporation

DESCRIPTION: _____
 UNIT: _____
 PLAN QUANTITY _____
 PAY ITEM NO.: _____

SHEET NO.: _____
 COUNTY: _____
 SECTION: _____
 ROUTE: _____
 DIST.: _____
 CONTRACT NO.: _____
 JOB NO.: _____
 PROJECT: _____

CALC BY: _____ MEAS. BY: _____ CHECKED BY: _____
 DATE: _____ DATE: _____ DATE: _____

