

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: December 22, 2017 (COW) (B of T) **Date:** January 18, 2018

TITLE: Roosevelt Rd. Water Main Lining Phase 2 (East)
 Final Quantities Balancing Change Order

SUBMITTED BY: David Gorman, PE, Assistant Director of Public Works *DEP*

BACKGROUND/POLICY IMPLICATIONS:

Final quantity adjustments reflecting actual completed construction work.

FISCAL IMPACT/FUNDING SOURCE:

Total Contract Amount: -\$225,241.31

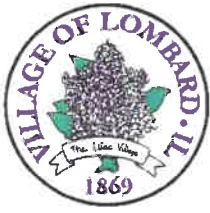
Project Number: WA-12-01 Roosevelt Rd Watermain Lining Phase 2 Const.

Account: Water/Sewer Construction Fund (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.



To: Chairperson and Public Works & Environmental Concerns Committee
From: Matthew Lew, PE, Civil Engineer *me*
Through: Carl Goldsmith, Director of Public Works *CG*
Date: December 21, 2017
Subject: Roosevelt WM Lining Phase 2 (East) Final Balancing Change Order

Change Order

The Roosevelt Road Watermain Lining Phase 2 (East) project lined approximately 9,300 lineal feet of existing watermain by the installation of cured-in-place-pipe (CIPP). Additional work included removal of existing fire hydrants and valves pertinent to the lining of the watermain, and reinstallation of the new fire hydrants and valves at the existing locations.

The project was substantially completed early and below budget, and both phases of the contract were completed under budget. Below is an item summary.

Project Items (-\$96,556.50)

- Major items include modifications to water main and valves, lining, connections, pavement patching, sidewalk, and curb

Unknown Project Item Allowance (-\$128,684.81)

- Major item includes encountering fewer unknown underground items than anticipated

Please find the Final Balancing Change Order attached for a project decrease of -\$225,241.31 (-5.3%). Since the total of the change orders is greater than \$10,000, this change order is provided to the Committee to provide a recommendation to the Board of Trustees.

R E S O L U T I O N
R _____ 18

**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 Final Balancing Change Order to the contract between the Village of Lombard and Fer-Pal Construction USA LLC regarding Contract WA-12-03 for the Roosevelt Road Water Main Lining, East Phase, 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 decrease the dollar amount of the contract by \$225,241.31.

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 it is in the best interests of the Village of Lombard to approve the Change Order in its proposed form.

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 18th day of January, 2018, pursuant to a roll call vote as follows:

Ayes: _____

Nays: _____

Absent: _____

Approved this 18th day of January, 2018.

Keith Giagnorio
Village President

ATTEST:

Sharon Kuderna
Village Clerk

VILLAGE OF LOMBARD CHANGE ORDER

PROJECT NAME: <u>Roosevelt Road Watermain Lining (East Contract)</u>	PROJECT NO.: <u>WA-12-01/03</u>
LOCATION: <u>West Roosevelt Road</u>	CHANGE ORDER: <u>04</u>
CONTRACTOR: <u>Fer-Pal Infrastructure, USA, Inc.</u>	DATE: <u>12/5/2017</u>
DESCRIPTION OF CHANGE ORDER: <u>Final balancing change order.</u>	

ORIGINAL CONTRACT AMOUNT:	[1] <u>4,273,162.10</u>
TOTAL OF PREVIOUS AUTHORIZED CHANGE ORDERS:	[2] <u>(\$4,290.00)</u>
CURRENT CONTRACT AMOUNT: ([1]+[2])	[3] <u>\$4,268,872.10</u>
PROPOSED CHANGE ORDER: (PENDING APPROVAL)	[4] <u>(\$225,241.31)</u>
PROPOSED REVISED CONTRACT AMOUNT: (PENDING APPROVAL) ([3]+[4])	[5] <u>\$4,043,630.79</u>

NET OF ALL CHANGE ORDERS: (PENDING APPROVAL) ([2]+[4]) (\$229,531.31)

TIME EXTENSION OR REDUCTION: _____

TOTAL CONTRACT TIME: 180 Days

BUDGET ESTIMATE: _____

ENGINEER'S ESTIMATE: _____

RECOMMENDED FOR ACCEPTANCE:

Matthew F. Champine 12/07/2017
Resident Engineer Date

Approved By: _____
Director of Finance Date

 12/7/17
Contractor Date

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

 12/21/17
Village Engineer Date

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

 12/21/17
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.

No.	Item	Current Quantity	Unit	Unit Price	Revised Quantity	Difference	Amount	Description
1	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	30	UNIT	\$ 49.50	0.00	(30.00)	(\$1,485.00)	
2	TEMPORARY FENCE	480	FOOT	\$ 3.50	0.00	(480.00)	(\$1,680.00)	
3	TREE ROOT PRUNING	5	EACH	\$ 300.00	0.00	(5.00)	(\$1,500.00)	
4	TREE PRUNING (1 TO 10 INCH DIAMETER)	5	EACH	\$ 75.00	1.00	(4.00)	(\$300.00)	
5	TREE PRUNING (OVER 10 INCH DIAMETER)	5	EACH	\$ 100.00	2.00	(3.00)	(\$300.00)	
6	TOPSOIL FURNISH AND PLACE, 4"	572	SQ YD	\$ 13.25	1,360.40	788.40	\$10,446.30	
7	SUPPLEMENTAL WATERING	14	UNIT	\$ 350.00	0.00	(14.00)	(\$4,900.00)	
8	BITUMINOUS MATERIALS (PRIME COAT)	2498	POUND	\$ 1.75	0.00	(2,498.00)	(\$4,371.50)	
9	PROTECTIVE COAT	289	SQ YD	\$ 5.00	0.00	(289.00)	(\$1,445.00)	
10	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH, SPECIAL	10	SQ YD	\$ 110.00	69.90	59.90	\$6,589.00	
11	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH, SPECIAL	950	SQFT	\$ 12.00	2,702.70	1,752.70	\$21,032.40	
12	DRIVEWAY PAVEMENT REMOVAL	37	SQ YD	\$ 10.00	137.00	100.00	\$1,000.00	
13	CURB REMOVAL	30	FOOT	\$ 10.00	79.90	49.90	\$499.00	
14	COMBINATION CURB AND GUTTER REMOVAL	500	FOOT	\$ 15.00	776.40	276.40	\$4,146.00	
15	SIDEWALK REMOVAL	950	SQFT	\$ 6.00	2,702.70	1,752.70	\$10,516.20	
16	STORM SEWER REMOVAL 12"	60	FOOT	\$ 10.00	14.00	(46.00)	(\$460.00)	
17	STORM SEWER REMOVAL 15"	140	FOOT	\$ 10.00	7.30	(132.70)	(\$1,327.00)	
18	STORM SEWER REMOVAL 18"	80	FOOT	\$ 15.00	0.00	(80.00)	(\$1,200.00)	
19	STORM SEWER REMOVAL 21"	40	FOOT	\$ 15.00	0.00	(40.00)	(\$600.00)	
20	DUCTILE IRON WATER MAIN 4"	10	FOOT	\$ 200.00	0.00	(10.00)	(\$2,000.00)	
21	DUCTILE IRON WATER MAIN 6"	396	FOOT	\$ 150.00	144.60	(251.40)	(\$37,710.00)	
22	DUCTILE IRON WATER MAIN 8"	500	FOOT	\$ 100.00	307.60	(192.40)	(\$19,240.00)	
24	DUCTILE IRON WATER MAIN 12"	10	FOOT	\$ 275.00	42.60	32.60	\$8,985.00	
25	WATER VALVES 4"	5	EACH	\$ 3,000.00	3.00	(2.00)	(\$6,000.00)	
26	WATER VALVES 6"	13	EACH	\$ 4,500.00	10.00	(3.00)	(\$13,500.00)	
27	WATER VALVES 8"	34	EACH	\$ 5,000.00	30.00	(4.00)	(\$20,000.00)	
29	WATER VALVES 12"	1	EACH	\$ 8,000.00	5.00	4.00	\$32,000.00	
30	WATER SERVICE LINE 1"	50	FOOT	\$ 35.00	6.00	(44.00)	(\$1,540.00)	
31	WATER SERVICE LINE 1 1/2"	50	FOOT	\$ 42.00	0.00	(50.00)	(\$2,100.00)	
32	WATER SERVICE LINE 2"	50	FOOT	\$ 50.00	4.50	(45.50)	(\$2,275.00)	
33	CORPORATION STOPS 1"	3	EACH	\$ 425.00	1.00	(2.00)	(\$850.00)	
34	CORPORATION STOPS 1 1/2"	3	EACH	\$ 700.00	0.00	(3.00)	(\$2,100.00)	
35	CORPORATION STOPS 2"	3	EACH	\$ 1,250.00	1.00	(2.00)	(\$2,500.00)	

36	ADJUSTING SANITARY SEWERS, 8-INCH DIAMETER OR LESS	50	FOOT	\$	55.00	0.00	(50.00)	(\$2,750.00)	
37	ADJUSTING WATER SERVICE LINES	50	FOOT	\$	45.00	0.00	(50.00)	(\$2,250.00)	
39	FIRE HYDRANT EXTENSION	10	FOOT	\$	600.00	16.00	6.00	\$3,600.00	
40	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	38	EACH	\$	12,000.00	40.00	2.00	\$24,000.00	
41	DOMESTIC WATER SERVICE BOXES TO BE REMOVED	9	EACH	\$	200.00	1.00	(8.00)	(\$1,600.00)	
42	DOMESTIC WATER SERVICE BOXES	10	EACH	\$	475.00	4.00	(6.00)	(\$2,850.00)	
43	VALVE VAULTS, TYPE A, 5"-DIAMETER, TYPE 1 FRAME, CLOSED LID	20	EACH	\$	2,500.00	12.00	(8.00)	(\$20,000.00)	
44	FRAMES AND LIDS, TYPE 1, CLOSED LID	5	EACH	\$	275.00	7.00	2.00	\$550.00	
45	FILLING VALVE VAULTS		EACH	\$	775.00	8.00	8.00	\$6,200.00	
46	CONCRETE CURB, TYPE B	30	FOOT	\$	46.00	79.90	49.90	\$2,295.40	
47	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	10	FOOT	\$	48.00	20.50	10.50	\$504.00	
48	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	490	FOOT	\$	82.00	755.90	265.90	\$21,803.80	
49	ENGINEER'S FIELD OFFICE, TYPE A	9	CAL MO	\$	750.00	0.00	(9.00)	(\$6,750.00)	
50	CHANGEABLE MESSAGE SIGN	24	CAL MO	\$	945.00	11.40	(12.60)	(\$11,907.00)	
52	PAVEMENT MARKING TAPE, TYPE III 4"		FOOT	\$	1.00	5,987.00	5,987.00	\$5,987.00	
56	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	2	EACH	\$	4,500.00	3.00	1.00	\$4,500.00	
59	SANITARY SEWER REMOVAL 10"	50	FOOT	\$	10.00	0.00	(50.00)	(\$500.00)	
61	SANITARY SEWER REMOVAL 8"	50	FOOT	\$	8.00	0.00	(50.00)	(\$400.00)	
63	ABANDON EXISTING WATER MAIN, FILL WITH CLSM	19	FOOT	\$	35.00	0.00	(19.00)	(\$665.00)	
64	VALVE VAULTS TO BE REMOVED	13	EACH	\$	1,000.00	8.00	(5.00)	(\$5,000.00)	
65	VALVE BOX	12	EACH	\$	350.00	13.00	1.00	\$350.00	
66	CONNECTION TO EXISTING WATER MAINS (NON PRESSURE)	21	EACH	\$	17,600.00	26.00	5.00	\$88,000.00	
68	SANITARY SEWER CLEANOUT	2	EACH	\$	475.00	0.00	(2.00)	(\$950.00)	
69	SANITARY SEWER CLEANOUT IN DRIVEWAY	2	EACH	\$	1,000.00	0.00	(2.00)	(\$2,000.00)	
73	DRAINAGE & UTILITY STRUCTURE TO BE ADJUSTED	12	EACH	\$	475.00	4.00	(8.00)	(\$3,800.00)	
74	DRAINAGE & UTILITY STRUCTURE TO BE RECONSTRUCTED	18	EACH	\$	1,200.00	1.00	(17.00)	(\$20,400.00)	
75	DUST CONTROL WATERING	50	UNIT	\$	350.00	0.00	(50.00)	(\$17,500.00)	
76	TEMPORARY INFORMATION SIGNING	258	SQ FT	\$	14.70	175.00	(83.00)	(\$1,220.10)	
78	SANITARY SEWER 8"	50	FOOT	\$	55.00	0.00	(50.00)	(\$2,750.00)	
79	SANITARY SEWER 10"	50	FOOT	\$	60.00	0.00	(50.00)	(\$3,000.00)	
82	TEMPORARY TRAFFIC SIGNAL TIMING	2	EACH	\$	4,500.00	3.00	1.00	\$4,500.00	
83	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, COMMERCIAL	20	SQ YD	\$	75.00	36.40	16.40	\$1,230.00	
85	CLASS D PATCH, 15"	770	SQ YD	\$	155.00	371.70	(398.30)	(\$61,736.50)	
86	WATER MAIN LINING, 8"	9212	FOOT	\$	145.00	8,890.00	(322.00)	(\$46,690.00)	
88	WATER MAIN LINING, 12"		FOOT	\$	199.00	355.00	355.00	\$70,645.00	
89	REINSTATE ACTIVE SERVICE CONNECTION, 2" OR LESS	34	EACH	\$	150.00	30.00	(4.00)	(\$600.00)	
90	REINSTATE ACTIVE SERVICE CONNECTION, GREATER THAN 2"	17	EACH	\$	19,800.00	15.00	(2.00)	(\$39,600.00)	

91	WATER METER REMOVAL AND RE-INSTALLATION	35	EACH	\$	100.00	27.00	(8.00)	(\$800.00)	
93	PRELIMINARY CCTV INSPECTION	9212	FOOT	\$	12.00	8,869.00	(343.00)	(\$4,116.00)	
94	ACCESS PIT EXCAVATION, GREATER THAN 8'	50	FOOT	\$	250.00	3.20	(46.80)	(\$11,700.00)	
95	ADDITIONAL ACCESS PITS	10	EACH	\$	3,000.00	8.00	(2.00)	(\$6,000.00)	
99	REMOVE WATER VALVE AND VALVE BOX	12	EACH	\$	2,000.00	8.00	(4.00)	(\$8,000.00)	
100	TRENCH BACKFILL - SPECIAL	346	CUYD	\$	65.00	425.65	79.65	\$5,177.25	
101	WATER MAIN FITTINGS	10000	POUND	\$	5.00	15,812.30	5,812.30	\$29,061.50	
105	STORM SEWER, WATERMAIN QUALITY PIPE, 12"	60	FOOT	\$	50.00	14.00	(46.00)	(\$2,300.00)	
106	STORM SEWER, WATERMAIN QUALITY PIPE, 15"	140	FOOT	\$	70.00	7.30	(132.70)	(\$9,289.00)	
107	STORM SEWER, WATERMAIN QUALITY PIPE, 18"	80	FOOT	\$	80.00	0.00	(80.00)	(\$6,400.00)	
108	STORM SEWER, WATERMAIN QUALITY PIPE, 21"	40	FOOT	\$	95.00	0.00	(40.00)	(\$3,800.00)	
109	CONCRETE SADDLE SUPPORT	12	EACH	\$	500.00	0.00	(12.00)	(\$6,000.00)	
110	DETECTABLE WARNING, CAST IRON	20	SQ FT	\$	25.00	44.00	24.00	\$600.00	
111	DETECTABLE WARNING, CAST IRON, CURVED	30	SQ FT	\$	25.00	0.00	(30.00)	(\$750.00)	
112	PARKING LOT PAVEMENT	7	SQ YD	\$	75.00	30.70	23.70	\$1,777.50	
113	EXPLORATION TRENCH, SPECIAL	60	CUYD	\$	75.00	8.15	(51.85)	(\$3,888.75)	
114	UNDERCUTTING FOR UTILITIES	50	CUYD	\$	65.00	0.00	(50.00)	(\$3,250.00)	
115	WATER SERVICE LINE INSULATION	75	FOOT	\$	5.00	0.00	(75.00)	(\$375.00)	
116	SHREDDED BARK MULCH 3"	3	SQ YD	\$	65.00	0.00	(3.00)	(\$195.00)	
117	SANITARY SEWER SERVICE CONNECTION	50	FOOT	\$	50.00	0.00	(50.00)	(\$2,500.00)	
119	TRIM EXISTING SERVICE CONNECTION	20	EACH	\$	25.00	0.00	(20.00)	(\$500.00)	
120	FLUROCARBON RUBBER (VITON) GASKETS	25	EACH	\$	150.00	0.00	(25.00)	(\$9,750.00)	
121	ALLOWANCE FOR UNFORESEEN UNDERGROUND CONDITIONS	150000	UNIT	\$	1.00	21,315.19	(128,684.81)	(\$128,684.81)	
122	NON-SPECIAL WASTE DISPOSAL	150	CUYD	\$	50.00	0.00	(150.00)	(\$7,500.00)	
123	SPECIAL WASTE GROUNDWATER DISPOSAL	10	EACH	\$	500.00	0.00	(10.00)	(\$5,000.00)	
AUP #01	SEED AND BLANKET	572	SY	\$	10.00	1,360.40	788.40	\$7,884.00	
TOTAL AMOUNT = (\$225,241.31)									