



MAYOR & COUNCIL COMMUNICATION

DATE: February 2, 2016

CONSENT

ITEM # 4

AGENDA ITEM: Lake Elmo Avenue Trunk Watermain Improvements – Compensating Change Order No. 3

SUBMITTED BY: Chad Isakson, Project Engineer

THROUGH: Clark Schroeder, Interim City Administrator

REVIEWED BY: Jack Griffin, City Engineer
Cathy Bendel, Finance Director

SUGGESTED ORDER OF BUSINESS if removed from the Consent Agenda):

- Questions from Council to Staff Mayor Facilitates
- Public Input, if Appropriate.....Mayor Facilitates
- Call for Motion Mayor & City Council
- Discussion Mayor & City Council
- Action on Motion Mayor Facilitates

POLICY RECOMMENDER: Engineering.

FISCAL IMPACT: Decrease of \$15,631.93 to the final construction contract amount.

This change order reconciles the estimated and actual quantities installed on the project and decreases the final contract amount by \$15,631.93. The final construction contract amount is \$2,021,583.32 or 0.3% over the original construction contract award amount of \$2,015,687.39.

SUMMARY AND ACTION REQUESTED:

The City Council is respectfully requested to consider approving, *as part of the consent agenda*, Compensating Change Order No. 3 for the Lake Elmo Avenue Trunk Watermain Improvements to reconcile the estimated and actual quantities installed on the project. If removed from the consent agenda, the recommended motion for the action is as follows:

“Move to approve Compensating Change Order No. 3 for the Lake Elmo Avenue Trunk Watermain Improvements thereby decreasing the final contract amount by \$15,631.93.”

LEGISLATIVE HISTORY/BACKGROUND INFORMATION:

GM Contracting, Inc. was awarded a construction contract on June 3, 2014 to complete the Lake Elmo Avenue Trunk Watermain Improvements. The contractor has completed the work in accordance with the contract, plans and specifications; and with approval of this change order the contract amount will be adjusted to reflect quantities actually installed as a part of the project.

The overall decrease in the contract amount for this change order is \$15,631.93 as detailed on the attached itemization. The final construction contract amount is \$2,021,583.32.

RECOMMENDATION:



Staff is recommending that the City Council consider, *as part of the Consent Agenda*, approving Compensating Change Order No. 3 for the Lake Elmo Avenue Trunk Watermain Improvements thereby decreasing the final contract amount by \$15,631.93. If removed from the consent agenda, the recommended motion for this action is as follows:

“Move to approve Compensating Change Order No. 3 for the Lake Elmo Avenue Trunk Watermain Improvements thereby decreasing the final contract amount by \$15,631.93.”

ATTACHMENT(S):

1. Compensating Change Order No. 3

CONTRACT CHANGE ORDER FORM

CITY OF LAKE ELMO, MINNESOTA LAKE ELMO AVE TRUNK WATERMAIN IMP. PROJECT NO. 2013.133	FOCUS ENGINEERING, inc.																		
CHANGE ORDER NO. <u>3</u> DATE: <u>January 11, 2016</u>																			
TO: <u>GM CONTRACTING, INC. 19810 515TH AVE, PO BOX 736 LAKE CRYSTAL, MN 56055</u>																			
This Document will become a supplement to the Contract and all provisions will apply hereto. The Contract Documents are modified as follows upon execution of this Change Order.																			
CHANGE ORDER DESCRIPTION / JUSTIFICATION:																			
<p>Per the project Contract Documents the original contract amount and basis of award is established using the estimated quantities for each item of work listed in the bid schedule and multiplying them by the Contractor's corresponding unit bid price. The Contractor is paid for the actual final quantities installed on the project at the unit bid prices.</p> <p>At the completion of the project, a compensating change order is prepared to revise the estimated quantities for each work item listed in the bid schedule to the actual quantities installed and the corresponding Contract Amount is revised accordingly.</p> <p>This compensating change order reflects a net decrease to the contract amount by \$15,631.93.</p>																			
Attachments (list documents supporting change): <u>Itemization</u>																			
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">ITEM</th> <th style="width: 40%;">DESCRIPTION OF PAY ITEM</th> <th style="width: 10%;">UNIT</th> <th style="width: 10%;">QTY</th> <th style="width: 15%;">UNIT PRICE</th> <th style="width: 15%;">INCREASE/(DECREASE)</th> </tr> </thead> <tbody> <tr> <td></td> <td>**See attached itemization</td> <td></td> <td></td> <td></td> <td style="text-align: right;">(\$15,631.93)</td> </tr> <tr> <td colspan="5" style="text-align: right;">NET CONTRACT CHANGE</td> <td style="text-align: right;">(\$15,631.93)</td> </tr> </tbody> </table>		ITEM	DESCRIPTION OF PAY ITEM	UNIT	QTY	UNIT PRICE	INCREASE/(DECREASE)		**See attached itemization				(\$15,631.93)	NET CONTRACT CHANGE					(\$15,631.93)
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The Contract Period for Completion will be (UNCHANGED) (INCREASED) (DECREASED) <u>0</u> days																			
APPROVED BY ENGINEER: FOCUS Engineering, inc.  _____ ENGINEER <u>1/11/2016</u> _____ DATE	APPROVED BY CONTRACTOR  _____ BY <u>1/11/16</u> _____ DATE																		
APPROVED BY OWNER: CITY OF LAKE ELMO, MINNESOTA <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> _____ BY _____ DATE </div> <div style="width: 45%;"> _____ BY _____ DATE </div> </div>																			

CHANGE ORDER NO. 3

LAKE ELMO AVENUE TRUNK WATERMAIN IMPROVEMENTS
CITY OF LAKE ELMO, MINNESOTA
PROJECT NO. 2013.133

FOCUS ENGINEERING, inc.

ITEM	DESCRIPTION OF PAY ITEM	UNIT	CONTRACT			TOTAL TO DATE		COMPENSATING CHANGE ORDER NO. 3	
			QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	AMOUNT	NET CHANGE	AMOUNT
DIVISION 1 - GENERAL									
1	MOBILIZATION	LS	1	\$85,000.00	\$85,000.00	1	\$85,000.00	-	\$0.00
2	TRAFFIC CONTROL	LS	1	\$53,951.69	\$53,951.69	1	\$53,951.69	-	\$0.00
3	SILT FENCE	LF	461	\$2.50	\$1,152.50	0	\$0.00	-461.0	-\$1,152.50
4	TREE REMOVAL	EA	20	\$400.00	\$8,000.00	8	\$3,200.00	-12.0	-\$4,800.00
5	INLET PROTECTION	EA	3	\$152.58	\$457.74	3	\$457.74	-	\$0.00
6	6" TOPSOIL AND SOD	SY	267	\$6.30	\$1,682.10	267	\$1,682.10	-	\$0.00
7	TEMPORARY WATER SERVICE	LS	1	\$4,500.00	\$4,500.00	1	\$4,500.00	-	\$0.00
SUBTOTAL - DIVISION 1			\$154,744.03			\$148,791.53		-\$5,952.50	
DIVISION 2 - WATERMAIN									
1	REMOVE EXISTING WATERMAIN - ALL SIZES AND TYPES	LF	416	\$2.85	\$1,185.60	363	\$1,034.55	-53.0	-\$151.05
2	ABANDON EXISTING WATERMAIN IN PLACE - ALL SIZES AND TYPES	LF	970	\$2.85	\$2,764.50	970	\$2,764.50	-	\$0.00
3	SALVAGE EXISTING HYDRANT, LEAD, AND VALVE	EA	2	\$350.00	\$700.00	1	\$350.00	-1.0	-\$350.00
4	REMOVE/ABANDON EXISTING WATER SERVICE - ALL SIZES AND TYPES	EA	15	\$150.00	\$2,250.00	16	\$2,400.00	1.0	\$150.00
5	CONNECT TO EXISTING WATERMAIN	EA	1	\$1,448.16	\$1,448.16	1	\$1,448.16	-	\$0.00
6	6" GATE VALVE & BOX	EA	27	\$2,036.85	\$54,994.95	27	\$54,994.95	-	\$0.00
7	8" GATE VALVE & BOX	EA	4	\$2,530.54	\$10,122.16	3	\$7,591.62	-1.0	-\$2,530.54
8	12" GATE VALVE & BOX	EA	1	\$3,508.66	\$3,508.66	1	\$3,508.66	-	\$0.00
9	16" BUTTERFLY VALVE & BOX	EA	17	\$3,489.56	\$59,322.52	15	\$52,343.40	-2.0	-\$6,979.12
10	HYDRANT - 8'-6" BURY	EA	27	\$4,182.48	\$112,926.96	27	\$112,926.96	-	\$0.00
11	1" CORPORATION STOP	EA	6	\$425.90	\$2,555.40	7	\$2,981.30	1.0	\$425.90
12	1.5" CORPORATION STOP	EA	38	\$550.20	\$20,907.60	40	\$22,008.00	2.0	\$1,100.40
13	2" CORPORATION STOP	EA	2	\$647.35	\$1,294.70	2	\$1,294.70	-	\$0.00
14	1" CURB STOP AND BOX	EA	6	\$463.58	\$2,781.48	7	\$3,245.06	1.0	\$463.58
15	1.5" CURB STOP AND BOX	EA	38	\$600.53	\$22,820.14	40	\$24,021.20	2.0	\$1,201.06
16	2" CURB STOP AND BOX	EA	2	\$746.85	\$1,493.70	2	\$1,493.70	-	\$0.00
17	1" TYPE K COPPER WATER SERVICE PIPE	LF	204	\$28.59	\$5,832.36	217	\$6,204.03	13.0	\$371.67
18	1.5" TYPE K COPPER WATER SERVICE PIPE	LF	1,586	\$32.06	\$50,847.16	1,737	\$55,688.22	151.0	\$4,841.06
19	2" TYPE K COPPER WATER SERVICE PIPE	LF	52	\$37.35	\$1,942.20	51	\$1,904.85	-1.0	-\$37.35
20	CONNECT TO EXISTING WATER SERVCIE -ALL SIZES AND TYPES	EA	15	\$500.00	\$7,500.00	15	\$7,500.00	-	\$0.00
21	6" DIP CL. 52 WATERMAIN	LF	379	\$29.50	\$11,180.50	373	\$11,003.50	-6.0	-\$177.00
22	16" DIP CL. 52 WATERMAIN	LF	387	\$74.63	\$28,881.81	390	\$29,105.70	3.0	\$223.89
23	8" HDPE DR 11 WATERMAIN	LF	174	\$70.93	\$12,341.82	174	\$12,341.82	-	\$0.00
24	12" HDPE DR 11 WATERMAIN	LF	74	\$81.80	\$6,053.20	74	\$6,053.20	-	\$0.00
25	16" HDPE DR 11 WATERMAIN	LF	11,152	\$89.00	\$992,528.00	11,152	\$992,528.00	-	\$0.00
26	16" HDPE DR11 WATERMAIN, EXTRA DEPTH (P)	LF	2,200	\$89.00	\$195,800.00	2,200	\$195,800.00	-	\$0.00
27	6"x45" BEND MJ DUCTILE IRON COMPACT FITTING	EA	32	\$362.03	\$11,584.96	9	\$3,258.27	-23.0	-\$8,326.69
28	16"x11-1/4" BEND MJ DUCTILE IRON COMPACT FITTING	EA	1	\$1,325.00	\$1,325.00	0	\$0.00	-1.0	-\$1,325.00
29	16"x45" BEND MJ DUCTILE IRON COMPACT FITTING	EA	2	\$1,337.00	\$2,674.00	0	\$0.00	-2.0	-\$2,674.00
30	8"x6" TEE MJ DUCTILE IRON COMPACT FITTING	EA	3	\$543.52	\$1,630.56	4	\$2,174.08	1.0	\$543.52
31	16"x6" TEE MJ DUCTILE IRON COMPACT FITTING	EA	23	\$1,498.00	\$34,454.00	23	\$34,454.00	-	\$0.00
32	16"x8" TEE MJ DUCTILE IRON COMPACT FITTING	EA	4	\$1,520.00	\$6,080.00	4	\$6,080.00	-	\$0.00
33	16"x12" TEE MJ DUCTILE IRON COMPACT FITTING	EA	1	\$1,589.00	\$1,589.00	1	\$1,589.00	-	\$0.00
34	16"x12" CROSS MJ DUCTILE IRON COMPACT FITTING	EA	2	\$1,657.77	\$3,315.54	1	\$1,657.77	-1.0	-\$1,657.77
35	12"x6" REDUCER MJ DUCTILE IRON COMPACT FITTING	EA	1	\$588.10	\$588.10	1	\$588.10	-	\$0.00
36	16"x8" REDUCER MJ DUCTILE IRON COMPACT FITTING	EA	1	\$762.51	\$762.51	1	\$762.51	-	\$0.00
37	8" PLUG MJ DUCTILE IRON COMPACT FITTING	EA	4	\$268.40	\$1,073.60	5	\$1,342.00	1.0	\$268.40
38	12" PLUG MJ DUCTILE IRON COMPACT FITTING	EA	4	\$322.24	\$1,288.96	2	\$644.48	-2.0	-\$644.48
39	16" PLUG MJ DUCTILE IRON COMPACT FITTING	EA	1	\$506.18	\$506.18	1	\$506.18	-	\$0.00
40	HORIZONTAL DIRECTIONAL DRILLING BORE PITS	LS	1	\$70,092.00	\$70,092.00	1.0	\$70,092.00	-	\$0.00
41	WATER SERVICE CONNECTION PITS	LS	1	\$55,577.00	\$55,577.00	1.00	\$55,577.00	-	\$0.00
42	OFF ROAD STRUCTURE MARKER	EA	27	\$57.70	\$1,557.90	7	\$403.90	-20.0	-\$1,154.00
43	4" POLYSTYRENE INSULATION	SF	96	\$7.37	\$707.52	64	\$471.68	-32.0	-\$235.84
SUBTOTAL - DIVISION 2			\$1,808,790.41			\$1,792,137.05		-\$16,653.36	
DIVISION 3 - STREETS									
1	SAWCUT BITUMINOUS PAVEMENT	LF	1,020	\$3.92	\$3,998.40	433	\$1,697.36	-587.0	-\$2,301.04
2	REMOVE & DISPOSE OF EXIST. BITUMINOUS PAVEMENT, ALL TYPES	SY	1,125	\$5.67	\$6,378.75	672	\$3,810.24	-453.0	-\$2,568.51
3	CL.5 AGGREGATE BASE	TN	410	\$29.93	\$12,271.30	407.7	\$12,202.46	-2.3	-\$68.84
4	DRIVEWAY RESTORATION	SY	62	\$39.21	\$2,431.02	17.33	\$679.51	-44.7	-\$1,751.51
5	SPNW82308 BITUMINOUS NON-WEAR COURSE, STREETS	TN	134	\$128.96	\$17,280.64	147.80	\$19,060.29	13.8	\$1,779.65
6	SPWEA2408 BITUMINOUS WEAR COURSE, STREETS	TN	67	\$144.44	\$9,677.48	85.02	\$12,280.29	18.0	\$2,602.81
7	BITUMINOUS MATERIAL FOR TACK COAT	GA	56	\$2.06	\$115.36	56	\$115.36	-	\$0.00
SUBTOTAL - DIVISION 3			\$52,152.95			\$49,845.51		-\$2,307.44	

TOTALS - BASE CONTRACT**\$2,015,687.39****\$1,990,774.09****-\$24,913.30**

ITEM	DESCRIPTION OF PAY ITEM	UNIT	CONTRACT			TOTAL TO DATE		COMPENSATING CHANGE ORDER NO. 3	
			QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	AMOUNT	NET CHANGE	AMOUNT
CHANGE ORDER NO. 1									
CO1-1	TRAFFIC CONTROL - TEMPORARY SIGNAGE	LS	1.0	\$3,810.00	\$3,810.00	1	\$3,810.00	-	\$0.00
CO1-2	RESTORATION - ELIMINATE CROSS AT 10TH STREET	LS	-1.0	\$1,130.46	-\$1,130.46	-1	-\$1,130.46	-	\$0.00
CO1-3	REMOVE 16"X12" CROSS	EA	-1.0	\$1,657.77	-\$1,657.77	0	\$0.00	1.0	\$1,657.77
CO1-4	REMOVE 12" PLUG	EA	-2.0	\$322.24	-\$644.48	0	\$0.00	2.0	\$644.48
CO1-5	REMOVE 16" BUTTERFLY VALVE & BOX	EA	-2.0	\$3,489.56	-\$6,979.12	0	\$0.00	2.0	\$6,979.12
CO1-6	18-INCH HYDRANT EXTENSION	EA	1.0	\$852.25	\$852.25	1	\$852.25	-	\$0.00
CO1-7	FOSTOR ADAPTORS	EA	16.0	\$200.00	\$3,200.00	16	\$3,200.00	-	\$0.00
CO1-8	16-INCH SLEEVE	EA	18.0	\$832.08	\$14,977.44	18	\$14,977.44	-	\$0.00
TOTALS - CHANGE ORDER NO. 1					\$12,427.86		\$21,709.23		\$9,281.37
CHANGE ORDER NO. 2									
CO2-2	3012 LAKE ELMO AVENUE WATER SERVICE EXCAVATION	LS	1.0	\$3,500.00	\$3,500.00	1	\$3,500.00	-	\$0.00
CO2-3	2976 & 2986 LAKE ELMO AVENUE DRIVEWAY REPAIRS	LS	1.0	\$5,600.00	\$5,600.00	1	\$5,600.00	-	\$0.00
TOTALS - CHANGE ORDER NO. 2					\$9,100.00		\$9,100.00		\$0.00
TOTALS - DIFFERENCE IN CONTRACT AND ACTUAL WORK COMPLETE					\$2,037,215.25		\$2,021,583.32		-\$15,631.93