



MAYOR & COUNCIL COMMUNICATION

DATE: February 2, 2016
CONSENT
ITEM # 5

AGENDA ITEM: Lake Elmo Avenue Trunk Watermain Improvements – Pay Request No. 6 (Final)

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:

None. Partial payment is proposed in accordance with the approved Contract and change orders for the project. The total project cost remains within authorized amounts and approved change orders for the project.

SUMMARY AND ACTION REQUESTED:

The City Council is respectfully requested to consider accepting the improvements and approving Pay Request No. 6 (Final) for the Lake Elmo Avenue Trunk Watermain Improvements. The work has been reviewed by the Engineer and is fully completed in accordance with the Contract and Specifications and Change Orders. If removed from the consent agenda, the recommended motion for the action is as follows:

“Move to accept the Lake Elmo Avenue Trunk Watermain Improvements and approve Pay Request No. 6 (Final) to GM Contracting Inc. in the amount of \$120,765.01.”

LEGISLATIVE HISTORY/BACKGROUND INFORMATION:

GM Contracting Inc., the Contractor for the project, has completed the Lake Elmo Avenue Trunk Watermain Improvements in accordance with the construction contract awarded by the council on June 11, 2014. The Project Engineer has prepared a Certificate of Completion indicating that all work is completed including all punchlist items and is recommending the acceptance of the improvements and release of final retainage. Project acceptance will initiate the one-year warranty period for the improvements. The one-year warranty will begin on February 2, 2016 and will extend through February 1, 2017.

The final total construction costs for the project is \$2,021,583.32 which is 0.3% over the original contract amount of \$2,015,687.39. Added project costs are primarily related to additional water services stubs and watermain fittings. The project is being funded through the water fund and the levy of special assessments to the benefitting properties. A breakdown of the project costs compared with the previously approved budget is shown below.

	Post Construction Costs	Authorized Project Budget Costs
Total Project Costs:	\$2,317,000	\$2,498,400
Funding Source:		
<i>Water Enterprise Funds:</i>	\$2,224,200	\$2,405,600
<i>Water Assessment Revenue:</i> <i>(32 Units at \$2,900 each)</i>	\$92,800	\$92,800

The City has received all lien waivers, consent of surety, and IC-134s from the Contractor.

RECOMMENDATION:

Staff is recommending that the City Council consider, *as part of the Consent Agenda*, accepting the Lake Elmo Avenue Trunk Watermain Improvements and approving Pay Request No. 6 (Final) in the amount of \$120,765.01. If removed from the consent agenda, the recommended motion for the action is as follows:

“Move to accept the Lake Elmo Avenue Trunk Watermain Improvements and approve Pay Request No. 6 (Final) to GM Contracting Inc., in the amount of \$120,765.01.”

ATTACHMENT(S):

1. Certificate of Completion
2. Partial Pay Estimate No. 6 (Final)

PROJECT PAY FORM

PARTIAL PAY ESTIMATE NO. <u>6 (FINAL)</u>				FOCUS ENGINEERING, inc.	
LAKE ELMO AVENUE TRUNK WATERMAIN IMPROVEMENTS PROJECT NO. 2013.133				PERIOD OF ESTIMATE FROM <u>11/1/2014</u> TO <u>1/11/2016</u>	
PROJECT OWNER: CITY OF LAKE ELMO 3800 LAVERNE AVENUE NORTH LAKE ELMO, MN 55042 ATTN: JACK GRIFFIN, CITY ENGINEER				CONTRACTOR: GM CONTRACTING INC. 19810 515TH AVE LAKE CRYSTAL, MN 56055 ATTN: MIKE URBAN, PROJECT MANAGER	
CONTRACT CHANGE ORDER SUMMARY				PAY ESTIMATE SUMMARY	
No.	Approval Date	Amount			
		Additions	Deductions		
1	10/21/2014	\$12,427.86		1. Original Contract Amount	\$2,015,687.39
2	1/19/2016	\$9,100.00		2. Net Change Order Sum	\$5,895.93
3	1/19/2016		\$15,631.93	3. Revised Contract (1+2)	\$2,021,583.32
				4. *Work Completed	\$2,021,583.32
				5. *Stored Materials	\$0.00
				6. Subtotal (4+5)	\$2,021,583.32
				7. Retainage* 0.0%	\$0.00
				8. Previous Payments	\$1,900,818.31
				9. Amount Due (6-7-8)	\$120,765.01
TOTALS		\$21,527.86	\$15,631.93	*Detailed Breakdown Attached	
NET CHANGE		\$5,895.93			
CONTRACT TIME					
START DATE: <u>6/26/2014</u>		ORIGINAL DAYS <u>141</u>		ON SCHEDULE YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
SUBSTANTIAL COMPLETION: <u>10/17/2014</u>		REVISED DAYS <u>0</u>			
FINAL COMPLETION: <u>11/14/2014</u>		REMAINING <u>-423</u>			
ENGINEER'S CERTIFICATION: The undersigned certifies that the work has been reviewed and to the best of their knowledge and belief, the quantities shown in this estimate are correct and the work has been performed in accordance with the contract documents.				FOCUS Engineering, inc. _____ ENGINEER <u>1/11/2016</u> DATE	
CONTRACTOR'S CERTIFICATION: The undersigned Contractor certifies that to the best of their knowledge, information and belief the work covered by this payment estimate has been completed in accordance with the contract documents, that all amounts have been paid by the contractor for work for which previous payment estimates was issued and payments received from the owner, and that current payment shown herein is now due.				CONTRACTOR _____ BY <u>1/11/2016</u> DATE	
APPROVED BY OWNER: CITY OF LAKE ELMO, MINNESOTA					
_____ BY			_____ BY		
_____ DATE			_____ DATE		

PARTIAL PAY ESTIMATE NO. 6 (FINAL)

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			THIS PERIOD		TOTAL TO DATE	
			QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT
DIVISION 1 - GENERAL									
1	MOBILIZATION	LS	1	\$85,000.00	\$85,000.00	0.00	\$0.00	1	\$85,000.00
2	TRAFFIC CONTROL	LS	1	\$53,951.69	\$53,951.69	0.00	\$0.00	1	\$53,951.69
3	SILT FENCE	LF	461	\$2.50	\$1,152.50	0.00	\$0.00	0	\$0.00
4	TREE REMOVAL	EA	20	\$400.00	\$8,000.00	0.00	\$0.00	8	\$3,200.00
5	INLET PROTECTION	EA	3	\$152.58	\$457.74	0.00	\$0.00	3	\$457.74
6	6" TOPSOIL AND SOD	SY	267	\$6.30	\$1,682.10	267.00	\$1,682.10	267	\$1,682.10
7	TEMPORARY WATER SERVICE	LS	1	\$4,500.00	\$4,500.00	0.00	\$0.00	1	\$4,500.00
SUBTOTAL - DIVISION 1			\$154,744.03			\$1,682.10		\$148,791.53	
DIVISION 2 - WATERMAIN									
1	REMOVE EXISTING WATERMAIN - ALL SIZES AND TYPES	LF	416	\$2.85	\$1,185.60	0.00	\$0.00	363	\$1,034.55
2	ABANDON EXISTING WATERMAIN IN PLACE - ALL SIZES AND TYPES	LF	970	\$2.85	\$2,764.50	0.00	\$0.00	970	\$2,764.50
3	SALVAGE EXISTING HYDRANT, LEAD, AND VALVE	EA	2	\$350.00	\$700.00	0.00	\$0.00	1	\$350.00
4	REMOVE/ABANDON EXISTING WATER SERVICE - ALL SIZES AND TYPES	EA	15	\$150.00	\$2,250.00	0.00	\$0.00	16	\$2,400.00
5	CONNECT TO EXISTING WATERMAIN	EA	1	\$1,448.16	\$1,448.16	0.00	\$0.00	1	\$1,448.16
6	6" GATE VALVE & BOX	EA	27	\$2,036.85	\$54,994.95	0.00	\$0.00	27	\$54,994.95
7	8" GATE VALVE & BOX	EA	4	\$2,530.54	\$10,122.16	0.00	\$0.00	3	\$7,591.62
8	12" GATE VALVE & BOX	EA	1	\$3,508.66	\$3,508.66	0.00	\$0.00	1	\$3,508.66
9	16" BUTTERFLY VALVE & BOX	EA	17	\$3,489.56	\$59,322.52	0.00	\$0.00	15	\$52,343.40
10	HYDRANT - 8'-6" BURY	EA	27	\$4,182.48	\$112,926.96	0.00	\$0.00	27	\$112,926.96
11	1" CORPORATION STOP	EA	6	\$425.90	\$2,555.40	0.00	\$0.00	7	\$2,981.30
12	1.5" CORPORATION STOP	EA	38	\$550.20	\$20,907.60	0.00	\$0.00	40	\$22,008.00
13	2" CORPORATION STOP	EA	2	\$647.35	\$1,294.70	0.00	\$0.00	2	\$1,294.70
14	1" CURB STOP AND BOX	EA	6	\$463.58	\$2,781.48	0.00	\$0.00	7	\$3,245.06
15	1.5" CURB STOP AND BOX	EA	38	\$600.53	\$22,820.14	0.00	\$0.00	40	\$24,021.20
16	2" CURB STOP AND BOX	EA	2	\$746.85	\$1,493.70	0.00	\$0.00	2	\$1,493.70
17	1" TYPE K COPPER WATER SERVICE PIPE	LF	204	\$28.59	\$5,832.36	0.00	\$0.00	217	\$6,204.03
18	1.5" TYPE K COPPER WATER SERVICE PIPE	LF	1,586	\$32.06	\$50,847.16	0.00	\$0.00	1,737	\$55,688.22
19	2" TYPE K COPPER WATER SERVICE PIPE	LF	52	\$37.35	\$1,942.20	0.00	\$0.00	51	\$1,904.85
20	CONNECT TO EXISTING WATER SERVICIE -ALL SIZES AND TYPES	EA	15	\$500.00	\$7,500.00	0.00	\$0.00	15	\$7,500.00
21	6" DIP CL. 52 WATERMAIN	LF	379	\$29.50	\$11,180.50	0.00	\$0.00	373	\$11,003.50
22	16" DIP CL. 52 WATERMAIN	LF	387	\$74.63	\$28,881.81	0.00	\$0.00	390	\$29,105.70
23	8" HDPE DR 11 WATERMAIN	LF	174	\$70.93	\$12,341.82	0.00	\$0.00	174	\$12,341.82
24	12" HDPE DR 11 WATERMAIN	LF	74	\$81.80	\$6,053.20	0.00	\$0.00	74	\$6,053.20
25	16" HDPE DR 11 WATERMAIN	LF	11,152	\$89.00	\$992,528.00	0.00	\$0.00	11,152	\$992,528.00
26	16" HDPE DR11 WATERMAIN, EXTRA DEPTH (P)	LF	2,200	\$89.00	\$195,800.00	0.00	\$0.00	2,200	\$195,800.00
27	6"x45" BEND MJ DUCTILE IRON COMPACT FITTING	EA	32	\$362.03	\$11,584.96	0.00	\$0.00	9	\$3,258.27
28	16"x11-1/4" BEND MJ DUCTILE IRON COMPACT FITTING	EA	1	\$1,325.00	\$1,325.00	0.00	\$0.00	0	\$0.00
29	16"x45" BEND MJ DUCTILE IRON COMPACT FITTING	EA	2	\$1,337.00	\$2,674.00	0.00	\$0.00	0	\$0.00
30	8"x6" TEE MJ DUCTILE IRON COMPACT FITTING	EA	3	\$543.52	\$1,630.56	0.00	\$0.00	4	\$2,174.08
31	16"x6" TEE MJ DUCTILE IRON COMPACT FITTING	EA	23	\$1,498.00	\$34,454.00	0.00	\$0.00	23	\$34,454.00
32	16"x8" TEE MJ DUCTILE IRON COMPACT FITTING	EA	4	\$1,520.00	\$6,080.00	0.00	\$0.00	4	\$6,080.00
33	16"x12" TEE MJ DUCTILE IRON COMPACT FITTING	EA	1	\$1,589.00	\$1,589.00	0.00	\$0.00	1	\$1,589.00
34	16"x12" CROSS MJ DUCTILE IRON COMPACT FITTING	EA	2	\$1,657.77	\$3,315.54	0.00	\$0.00	1	\$1,657.77
35	12"x6" REDUCER MJ DUCTILE IRON COMPACT FITTING	EA	1	\$588.10	\$588.10	0.00	\$0.00	1	\$588.10
36	16"x8" REDUCER MJ DUCTILE IRON COMPACT FITTING	EA	1	\$762.51	\$762.51	0.00	\$0.00	1	\$762.51
37	8" PLUG MJ DUCTILE IRON COMPACT FITTING	EA	4	\$268.40	\$1,073.60	0.00	\$0.00	5	\$1,342.00
38	12" PLUG MJ DUCTILE IRON COMPACT FITTING	EA	4	\$322.24	\$1,288.96	0.00	\$0.00	2	\$644.48
39	16" PLUG MJ DUCTILE IRON COMPACT FITTING	EA	1	\$506.18	\$506.18	0.00	\$0.00	1	\$506.18
40	HORIZONTAL DIRECTIONAL DRILLING BORE PITS	LS	1	\$70,092.00	\$70,092.00	0.00	\$0.00	1.0	\$70,092.00
41	WATER SERVICE CONNECTION PITS	LS	1	\$55,577.00	\$55,577.00	0.15	\$8,336.55	1.00	\$55,577.00
42	OFF ROAD STRUCTURE MARKER	EA	27	\$57.70	\$1,557.90	0.00	\$0.00	7	\$403.90
43	4" POLYSTYRENE INSULATION	SF	96	\$7.37	\$707.52	0.00	\$0.00	64	\$471.68
SUBTOTAL - DIVISION 2			\$1,808,790.41			\$8,336.55		\$1,792,137.05	
DIVISION 3 - STREETS									
1	SAWCUT BITUMINOUS PAVEMENT	LF	1,020	\$3.92	\$3,998.40	0	\$0.00	433	\$1,697.36
2	REMOVE & DISPOSE OF EXIST. BITUMINOUS PAVEMENT, ALL TYPES	SY	1,125	\$5.67	\$6,378.75	0	\$0.00	672	\$3,810.24
3	CL.5 AGGREGATE BASE	TN	410	\$29.93	\$12,271.30	0	\$0.00	407.7	\$12,202.46
4	DRIVEWAY RESTORATION	SY	62	\$39.21	\$2,431.02	0	\$0.00	17.33	\$679.51
5	SPNWB230B BITUMINOUS NON-WEAR COURSE, STREETS	TN	134	\$128.96	\$17,280.64	0	\$0.00	147.80	\$19,060.29
6	SPWEA240B BITUMINOUS WEAR COURSE, STREETS	TN	67	\$144.44	\$9,677.48	11	\$1,603.28	85.02	\$12,280.29
7	BITUMINOUS MATERIAL FOR TACK COAT	GA	56	\$2.06	\$115.36	0	\$0.00	56	\$115.36
SUBTOTAL - DIVISION 3			\$52,152.95			\$1,603.28		\$49,845.51	

TOTALS - BASE CONTRACT

\$2,015,687.39

\$11,621.93

\$1,990,774.09

ITEM	DESCRIPTION OF PAY ITEM	UNIT	CONTRACT			THIS PERIOD		TOTAL TO DATE		
			QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	
CHANGE ORDER NO. 1										
CO1-1	TRAFFIC CONTROL - TEMPORARY SIGNAGE	LS	1.0	\$3,810.00	\$3,810.00	0	\$0.00	1	\$3,810.00	
CO1-2	RESTORATION - ELIMINATE CROSS AT 10TH STREET	LS	1.0	-\$1,130.46	-\$1,130.46	0	\$0.00	1	-\$1,130.46	
CO1-3	REMOVE 16"x12" CROSS	EA	-1.0	\$1,657.77	-\$1,657.77	0	\$0.00	0	\$0.00	
CO1-4	REMOVE 12" PLUG	EA	-2.0	\$322.24	-\$644.48	0	\$0.00	0	\$0.00	
CO1-5	REMOVE 16" BUTTERFLY VALVE & BOX	EA	-2.0	\$3,489.56	-\$6,979.12	0	\$0.00	0	\$0.00	
CO1-6	18-INCH HYDRANT EXTENSION	EA	1.0	\$852.25	\$852.25	0	\$0.00	1	\$852.25	
CO1-7	FOSTOR ADAPTORS	EA	16.0	\$200.00	\$3,200.00	0	\$0.00	16	\$3,200.00	
CO1-8	16-INCH SLEEVE	EA	18.0	\$832.08	\$14,977.44	0	\$0.00	18	\$14,977.44	
TOTALS - CHANGE ORDER NO. 1					\$12,427.86		\$0.00		\$21,709.23	
CHANGE ORDER NO. 2										
CO2-1	WATER SERVICE EXCAVATION	LS	1.0	\$3,500.00	\$3,500.00	1	\$3,500.00	1	\$3,500.00	
CO2-2	DRIVEWAY PAVEMENT - DRAINAGE CORRECTION	LS	1.0	\$5,600.00	\$5,600.00	1	\$5,600.00	1	\$5,600.00	
TOTALS - CHANGE ORDER NO. 2					\$9,100.00		\$9,100.00		\$9,100.00	
COMPENSATING CHANGE ORDER NO. 3										
CO2-1	WATER SERVICE EXCAVATION	LS	1.0	-\$15,631.93	-\$15,631.93	0	\$0.00	0	\$0.00	
TOTALS - COMPENSATING CHANGE ORDER NO. 3					-\$15,631.93		\$0.00		\$0.00	
TOTALS - REVISED CONTRACT					\$2,021,583.32		\$20,721.93		\$2,021,583.32	

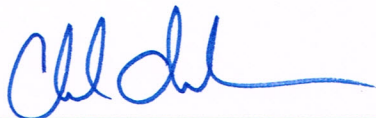
CERTIFICATE OF COMPLETION

DATE OF ISSUANCE: **FEBRUARY 2, 2016**

OWNER: CITY OF LAKE ELMO, MN
CONTRACTOR: GM CONTRACTING, INC.
PROJECT NAME: LAKE ELMO AVENUE TRUNK WATERMAIN IMPROVEMENTS
PROJECT NO.: 2013.133

- ☒ This Certification of Completion applies to all work under the Contract Documents
☐ This Certification of Completion applies to the following specified parts of the Contract Documents

I do hereby certify that the work to which this Certificate applies has been constructed in accordance with the Contract dated **JUNE 11, 2014**. The above-mentioned improvement is hereby declared to be complete and acceptance of this work is recommended.

DATE OF COMPLETION: **FEBRUARY 2, 2016**Chad Isakson Reg. No. 49028FOCUS Engineering, Inc.

THE WARRANTY PERIOD BEGINS FEB. 2, 2016 AND ENDS FEB. 1, 2017
