



## STAFF REPORT

DATE: June 19, 2018

**CONSENT**

ITEM# 10

**AGENDA ITEM:** I-94 Lift Station (No. 1) and Sanitary Sewer Improvements - Change Order No. 3

**SUBMITTED BY:** Jack Griffin, City Engineer

**REVIEWED BY:** Kristina Handt, City Administrator  
Rob Weldon, Public Works Director  
Chad Isakson, Project Engineer

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**ISSUE BEFORE COUNCIL:** Should the City Council approve Change Order No. 3 for the I-94 Lift Station (No. 1) and Sanitary Sewer Improvements?

**BACKGROUND:** RL Larson Excavating, Inc. was awarded a construction contract to complete the I-94 Lift Station (No. 1) and Sanitary Sewer Improvements on May 2, 2017. Construction remains in progress with some site work and restoration remaining.

**PROPOSAL DETAILS/ANALYSIS:** RL Larson Excavating, Inc. has submitted a change order to revise the substantial completion date from November 17, 2017 to July 27, 2018 and revises the final completion date from December 15, 2017 to August 17, 2018. The extended construction contract completion period was needed to allow for the delay in ordering and delivery of the revised lift station pumps previously approved by the City as Change Order No. 1 and weather conditions turning in early November 2017 preventing further roadway improvements being constructed.

Also, a change order is needed to address additional work items requested by the City to be completed by the contractor, including sanitary sewer manhole extensions and additional pavement surface to enhance access and maintenance at the lift station site. This change order also addresses quantity overruns mainly associated with rebuilding the shoulder and turn lane on Hudson Boulevard. Poor soils were discovered during the construction causing an overrun of roadway materials.

**FISCAL IMPACT:** None. This change order increases the contract amount by \$62,338.80 for a total contract amount of \$889,332.22. With this change the project remains below the feasibility project budget but is \$29,500 over the project amount that the City bonded for.

**RECOMMENDATION:** Staff is recommending that the City Council approve, *as part of the Consent Agenda*, Change Order No. 3 for the I-94 Lift Station (No. 1) and Sanitary Sewer Improvements. If removed from the consent agenda, the recommended motion for the action is as follows:

*“Move to approve Change Order No. 3 for the I-94 Lift Station (No. 1) and Sanitary Sewer Improvements, thereby revising the substantial completion date from November 17, 2017 to July 27, 2018; revising the final completion date from December 15, 2017 to August 17, 2018; and increasing the contract amount by \$62,338.80”.*

**ATTACHMENTS:**

1. Change Order No. 3.

# CONTRACT CHANGE ORDER FORM

**CITY OF LAKE ELMO, MINNESOTA**  
**I-94 LIFT STATION (NO. 1) AND SANITARY SEWER IMPROVEMENTS**  
**PROJECT NO. 2016.134**

**FOCUS** ENGINEERING, inc.

**CHANGE ORDER NO.** 3 **DATE:** June 19, 2018

**TO:** RL Larson Excavating, Inc., 2255 12th Street SE, St. Cloud, MN 56304

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:

This Change Order revises the substantial completion date from November 17, 2017 to July 27, 2018 and revises the final completion date from December 15, 2017 to August 17, 2018. The extended construction contract completion period was needed to allow for the delay in ordering and delivery of the revised lift station pumps previously approved by the City as Change Order No. 1 and weather conditions turning in early November 2017 preventing further roadway improvements being constructed.

The City is requesting the contractor to complete additional work on the I-94 Lift Station Improvement project. Additional pavement at the lift station site has been requested by Public Works for access, maintenance, and operation purposes. In addition, two sanitary sewer manholes need to be raised to match the field graded ditch section and to meet City standards.

This change order also addresses quantity overruns mainly associated with rebuilding the shoulder and turn lane on Hudson Boulevard. Poor soils were discovered during the construction causing an overrun of roadway materials.

**Attachments (list documents supporting change):** Itemization

ITEM	DESCRIPTION OF PAY ITEM	UNIT	QTY	UNIT PRICE	INCREASE/(DECREASE)
	**See attached itemization**				\$62,338.80

**NET CONTRACT CHANGE** **\$62,338.80**

Amount of Original Contract	\$	809,129.70
Sum of Additions/Deductions approved to date (CO No. 1, 2)	\$	17,853.72
Contract Amount to date	\$	826,983.42
Amount of this Change Order (ADD) (DEDUCT) (NO CHANGE)	\$	62,338.80
Revised Contract Amount	\$	889,322.22

The Contract Period for Completion will be (~~UNCHANGED~~) (INCREASED) (~~DECREASED~~) 245 days

APPROVED BY ENGINEER: FOCUS ENGINEERING

APPROVED BY CONTRACTOR



ENGINEER  
6/13/2018

DATE

BY

DATE

APPROVED BY OWNER: CITY OF LAKE ELMO, MINNESOTA

BY

BY

DATE

DATE

CHANGE ORDER NO. 3

**I-94 LIFT STATION (NO. 1) AND SANITARY SEWER IMPROVEMENTS**  
**CITY OF LAKE ELMO, MINNESOTA**  
**PROJECT NO. 2016.134**

**FOCUS** ENGINEERING, inc.

ITEM	DESCRIPTION OF PAY ITEM	UNIT	ORIGINAL CONTRACT			CHANGE ORDER NO. 3		REVISED CONTRACT AMOUNT	
			QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT
1	MOBILIZATION	LS	1	\$30,000.00	\$30,000.00	0.00	\$0.00	1.00	\$30,000.00
2	TRAFFIC CONTROL	LS	1	\$6,300.00	\$6,300.00	0.00	\$0.00	1.00	\$6,300.00
3	PRECAST CONCRETE JERSEY BARRIERS	LS	1	\$33,000.00	\$33,000.00	0.00	\$0.00	1.00	\$33,000.00
4	TREE REMOVAL	EA	5	\$315.00	\$1,575.00	2.00	\$630.00	7.00	\$2,205.00
5	REMOVE AND DISPOSE OF EXISTING BITUMINOUS PAVEMENT	SY	1,500	\$4.00	\$6,000.00	10.00	\$40.00	1,510.00	\$6,040.00
6	REMOVE AND DISPOSE OF EXISTING CONCRETE PAVEMENT	SY	30	\$10.00	\$300.00	-20.90	-\$209.00	9.10	\$91.00
7	REMOVE AND DISPOSE OF EXISTING CONCRETE CURB AND GUTTER	LF	80	\$10.00	\$800.00	3.00	\$30.00	83.00	\$830.00
8	REMOVE AND DISPOSE OF EXISTING GUARDRAIL	LF	180	\$10.00	\$1,800.00	0.00	\$0.00	180.00	\$1,800.00
9	REMOVE AND DISPOSE OF EXISTING SANITARY SEWER PIPE	LF	1,770	\$4.00	\$7,080.00	-3.00	-\$12.00	1,767.00	\$7,068.00
10	REMOVE AND DISPOSE OF EXISTING STORM SEWER PIPE	LF	175	\$10.00	\$1,750.00	-2.00	-\$20.00	173.00	\$1,730.00
11	REMOVE AND DISPOSE OF EXISTING SANITARY SEWER MANHOLE	EA	7	\$500.00	\$3,500.00	0.00	\$0.00	7.00	\$3,500.00
12	REMOVE AND DISPOSE OF EXISTING EDGE DRAIN	LF	20	\$10.00	\$200.00	-20.00	-\$200.00	0.00	\$0.00
13	REMOVE AND DISPOSE OF EXISTING SIGN	EA	1	\$55.00	\$55.00	0.00	\$0.00	1.00	\$55.00
14	SALVAGE AND REINSTALL MAILBOX	EA	1	\$130.00	\$130.00	0.00	\$0.00	1.00	\$130.00
15	SALVAGE AND REINSTALL SIGN	EA	4	\$160.00	\$640.00	0.00	\$0.00	4.00	\$640.00
16	SAWING BITUMINOUS PAVEMENT	LF	1,300	\$2.50	\$3,250.00	447.00	\$1,117.50	1,747.00	\$4,367.50
17	CORE DRILL CONNECTION TO EXISTING STRUCTURE	EA	2	\$4,200.00	\$8,400.00	1.00	\$4,200.00	3.00	\$12,600.00
18	CONNECT TO EXISTING SANITARY SEWER SERVICE	EA	5	\$1,500.00	\$7,500.00	0.00	\$0.00	5.00	\$7,500.00
19	CONNECT EXISTING PIPE TO NEW MANHOLE	EA	2	\$1,605.00	\$3,210.00	0.00	\$0.00	2.00	\$3,210.00
20	15" PVC, SDR 35 SANITARY SEWER PIPE, 0' - 10' DEEP	LF	445	\$45.00	\$20,025.00	-2.00	-\$90.00	443.00	\$19,935.00
21	15" PVC, SDR 35 SANITARY SEWER PIPE, 10' - 15' DEEP	LF	920	\$46.00	\$42,320.00	0.00	\$0.00	920.00	\$42,320.00
22	15" PVC, SDR 35 SANITARY SEWER PIPE, 15' - 20' DEEP	LF	55	\$117.00	\$6,435.00	0.00	\$0.00	55.00	\$6,435.00
23	16" PVC, C900 SANITARY SEWER PIPE, 0' - 10' DEEP	LF	356	\$56.00	\$19,936.00	0.00	\$0.00	356.00	\$19,936.00
24	16" DIP, CL 50 SANITARY SEWER PIPE, 0' - 10' DEEP	LF	20	\$93.00	\$1,860.00	56.00	\$5,208.00	76.00	\$7,068.00
25	16" SANITARY SEWER OUTSIDE DROP	EA	1	\$3,317.00	\$3,317.00	0.00	\$0.00	1.00	\$3,317.00
26	15" X 6" WYE BRANCH	EA	5	\$1,025.00	\$5,125.00	0.00	\$0.00	5.00	\$5,125.00
27	4' DIAMETER SANITARY SEWER MANHOLE	EA	7	\$3,500.00	\$24,500.00	1.00	\$3,500.00	8.00	\$28,000.00
28	4' DIAMETER EXCESS MANHOLE DEPTH	VF	12	\$120.00	\$1,440.00	8.66	\$1,039.20	20.66	\$2,479.20
29	MANHOLE LINER	EA	1	\$4,200.00	\$4,200.00	0.00	\$0.00	1.00	\$4,200.00
30	REMOVAL OF UNSTABLE FOUNDATION MATERIAL	CY	50	\$20.00	\$1,000.00	20.00	\$400.00	70.00	\$1,400.00
31	ROCK FOUNDATION BORROW	CY	50	\$50.00	\$2,500.00	20.00	\$1,000.00	70.00	\$3,500.00
32	TELEVISION	LF	1,792	\$1.35	\$2,419.20	0.00	\$0.00	1,792.00	\$2,419.20
33	LIFT STATION	LS	1	\$350,000.00	\$350,000.00	0.00	\$0.00	1.00	\$350,000.00
34	STANDBY GENERATOR	LS	1	\$53,000.00	\$53,000.00	0.00	\$0.00	1.00	\$53,000.00
35	BYPASS PUMPING	LS	1	\$28,000.00	\$28,000.00	0.00	\$0.00	1.00	\$28,000.00
36	SALVAGE AND REINSTALL APRON	EA	3	\$750.00	\$2,250.00	0.00	\$0.00	3.00	\$2,250.00
37	SALVAGE AND REINSTALL STORM SEWER STRUCTURE	EA	2	\$1,650.00	\$3,300.00	0.00	\$0.00	2.00	\$3,300.00
38	SALVAGE AND REINSTALL STORM SEWER PIPE	LF	60	\$44.00	\$2,640.00	-14.00	-\$616.00	46.00	\$2,024.00
39	PERFORATED PVC EDGE DRAIN	LF	20	\$20.00	\$400.00	-20.00	-\$400.00	0.00	\$0.00
40	18" RCP STORM SEWER, CLASS V	LF	32	\$47.00	\$1,504.00	0.00	\$0.00	32.00	\$1,504.00
41	18" RCP FLARED END SECTION WITH TRASH GUARD	EA	2	\$1,064.00	\$2,128.00	0.00	\$0.00	2.00	\$2,128.00
42	18" CM DRIVEWAY CULVERT	LF	120	\$33.00	\$3,960.00	-60.00	-\$1,980.00	60.00	\$1,980.00
43	18" CM APRON	EA	4	\$350.00	\$1,400.00	-2.00	-\$700.00	2.00	\$700.00
44	RIPRAP CLASS III	CY	6	\$70.00	\$420.00	0.00	\$0.00	6.00	\$420.00
45	LIFT STATION SITE GRADING	LS	1	\$5,000.00	\$5,000.00	0.00	\$0.00	1.00	\$5,000.00
46	BITUMINOUS DRIVEWAY PAVEMENT (LIFT STATION)	SY	450	\$15.75	\$7,087.50	57.00	\$897.75	507.00	\$7,985.25
47	COMMON EXCAVATION (DRIVEWAY AND STREET PATCHES)	CY	450	\$35.00	\$15,750.00	112.21	\$3,927.35	562.21	\$19,677.35
48	GEOTEXTILE FOR ROAD STABILIZATION	SY	130	\$2.00	\$260.00	-130.00	-\$260.00	0.00	\$0.00
49	SELECT GRANULAR BORROW	CY	125	\$12.00	\$1,500.00	-35.04	-\$420.48	89.96	\$1,079.52
50	AGGREGATE BASE, CLASS 6	TON	700	\$20.00	\$14,000.00	612.00	\$12,240.00	1,312.00	\$26,240.00
51	TYPE SP 9.5 BITUMINOUS WEARING COURSE MIXTURE (2,B)	TON	450	\$89.00	\$40,050.00	85.00	\$7,565.00	535.00	\$47,615.00
52	B618 CONCRETE CURB AND GUTTER	LF	80	\$37.00	\$2,960.00	10.00	\$370.00	90.00	\$3,330.00
53	4" CONCRETE MEDIAN	SF	130	\$10.50	\$1,365.00	-65.00	-\$682.50	65.00	\$682.50
54	6" CONCRETE PEDESTRIAN RAMP	EA	1	\$800.00	\$800.00	-0.75	-\$600.00	0.25	\$200.00
55	TRUNCATED DOME PANELS	SF	12	\$51.00	\$612.00	-12.00	-\$612.00	0.00	\$0.00
56	ADJUST MANHOLE CASTING	EA	1	\$500.00	\$500.00	0.00	\$0.00	1.00	\$500.00
57	ADJUST GATE VALVE BOX	EA	1	\$350.00	\$350.00	1.00	\$350.00	2.00	\$700.00
58	HYDRANT EXTENSION	LF	1	\$1,000.00	\$1,000.00	0.00	\$0.00	1.00	\$1,000.00
59	EXTEND VALVE BOX	EA	1	\$360.00	\$360.00	0.00	\$0.00	1.00	\$360.00
60	SIGN PANEL, TYPE C	SF	9	\$55.00	\$495.00	0.00	\$0.00	9.00	\$495.00
61	OFF ROAD STRUCTURE MARKER	EA	6	\$100.00	\$600.00	0.00	\$0.00	6.00	\$600.00
62	4" SOLID LINE WHITE EPOXY	LF	1,000	\$1.26	\$1,260.00	553.00	\$696.78	1,553.00	\$1,956.78
63	PAVEMENT MESSAGE, RIGHT TURN ARROW THERMOPLASTIC (GROUND IN)	EA	2	\$500.00	\$1,000.00	0.00	\$0.00	2.00	\$1,000.00
64	STREET SWEEPING	HR	5	\$140.00	\$700.00	4.00	\$560.00	9.00	\$1,260.00
65	EROSION CONTROL BLANKET	SY	6,600	\$1.74	\$11,484.00	490.00	\$852.60	7,090.00	\$12,336.60
66	TEMPORARY HYDROMULCH	SY	100	\$2.60	\$260.00	-100.00	-\$260.00	0.00	\$0.00
67	SEEDING	AC	1.3	\$210.00	\$273.00	0.06	\$12.60	1.36	\$285.60
68	INLET PROTECTION	EA	5	\$180.00	\$900.00	-5.00	-\$900.00	0.00	\$0.00
69	DITCH CHECK	EA	7	\$52.00	\$364.00	-1.00	-\$52.00	6.00	\$312.00
70	SILT FENCE	LF	200	\$3.15	\$630.00	-200.00	-\$630.00	0.00	\$0.00

TOTALS - BASE CONTRACT

\$809,129.70

\$35,992.80

\$845,122.50

## CHANGE ORDER NO. 1

CO1-1	REVISE PUMP DESIGN	EA	3	\$	5,951.24	\$17,853.72	0	\$0.00	3	\$17,853.72
TOTALS - CHANGE ORDER NO. 1						\$17,853.72		\$0.00		\$17,853.72

## CHANGE ORDER NO. 3

CO3-1	MOBILIZATION	LS		\$	9,400.00	\$0.00	1.00	\$9,400.00	1.00	\$9,400.00
CO3-2	TRAFFIC CONTROL	LS		\$	3,900.00	\$0.00	1.00	\$3,900.00	1.00	\$3,900.00
CO3-3	REMOVE PAVEMENT MARKING	LF		\$	4.60	\$0.00	200.00	\$920.00	200.00	\$920.00
CO3-4	AGGREGATE BASE CLASS 5 (LIFT STATION SITE)	TN		\$	30.00	\$0.00	14.00	\$420.00	14.00	\$420.00
CO3-5	AGGREGATE BASE, CLASS 6 (SHOULDER / TURN LANE)	TN		\$	22.00	\$0.00	40.00	\$880.00	40.00	\$880.00
CO3-6	COMMON EXCAVATION (LIFT STATION SITE)	CY		\$	52.00	\$0.00	10.00	\$520.00	10.00	\$520.00
CO3-7	COMMON EXCAVATION (SHOULDER / TURN LANE)	CY		\$	42.00	\$0.00	80.00	\$3,360.00	80.00	\$3,360.00
CO3-8	TOPSOIL	CY		\$	34.00	\$0.00	24.00	\$816.00	24.00	\$816.00
CO3-9	STRIPING	LS		\$	1,800.00	\$0.00	1.00	\$1,800.00	1.00	\$1,800.00
CO3-10	SEEDING	AC		\$	4,500.00	\$0.00	0.20	\$900.00	0.20	\$900.00
CO3-11	ADD 1' SECTION	LS		\$	1,635.00	\$0.00	1.00	\$1,635.00	1.00	\$1,635.00
CO3-12	ADD 2' SECTION	LS		\$	1,795.00	\$0.00	1.00	\$1,795.00	1.00	\$1,795.00
TOTALS - CHANGE ORDER NO. 3						\$0.00		\$26,346.00		\$26,346.00

## TOTALS - CHANGE ORDER NO. 3

\$62,338.80 \$889,322.22