

**CITY OF RAPID CITY CONSTRUCTION CHANGE ORDER #1F**  
**FLORMANN STREET WATERMAIN RECONSTRUCTION 7th Street to 5th Street**  
**PROJECT NO. W11-1931 / CIP NO. 50860**  
**AUGUST 31, 2011**  
**ORIGINAL CONTRACT AMOUNT: \$158,739.80**  
**CONTRACTOR: RAPID CONSTRUCTION COMPANY, LLC**

LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
1	MOBILIZATION	LS	1.00	\$7,465.90	\$7,465.90	1.00	\$7,465.90	\$0.00
2	INCIDENTAL	LS	1.00	\$1,630.00	\$1,630.00	1.00	\$1,630.00	\$0.00
3	HYDRANT & AUX VALVE	EA	2.00	\$300.00	\$600.00	2.00	\$600.00	\$0.00
4	REMOVE CURB STOP AND BOX	EA	12.00	\$100.00	\$1,200.00	10.00	\$1,000.00	(\$200.00)
5	REMOVE WATER VALVE & BOX	EA	1.00	\$150.00	\$150.00	1.00	\$150.00	\$0.00
6	REMOVE AC PAVEMENT	SY	1,343.00	\$4.35	\$5,842.05	1,115.00	\$4,850.25	(\$991.80)
7	GUTTER	LF	130.00	\$3.98	\$517.40	84.00	\$334.32	(\$183.08)
8	REMOVE CONCRETE FILLET	SY	12.00	\$8.17	\$98.04	11.91	\$97.30	(\$0.74)
9	REMOVE CONCRETE DRIVEWAY	SF	150.00	\$1.38	\$207.00	25.00	\$34.50	(\$172.50)
10	REMOVE PCC SIDEWALK	SF	864.00	\$0.98	\$846.72	525.00	\$514.50	(\$332.22)
11	AASHTO T-180 SOIL TEST	EA	2.00	\$133.75	\$267.50	4.00	\$535.00	\$267.50
12	SODDING	SY	300.00	\$10.65	\$3,195.00	137.30	\$1,462.25	(\$1,732.75)
13	ENCASEMENT	EA	2.00	\$651.30	\$1,302.60	1.00	\$651.30	(\$651.30)
14	(TRENCH)	CY	100.00	\$16.88	\$1,688.00	0.00	\$0.00	(\$1,688.00)
15	TYPE I BEDDING MATERIAL	T	50.00	\$19.41	\$970.50	0.00	\$0.00	(\$970.50)
16	TYPE III FOUNDATION MATERIAL	T	50.00	\$19.41	\$970.50	0.00	\$0.00	(\$970.50)
17	150	LF	49.00	\$22.54	\$1,104.46	32.00	\$721.28	(\$383.18)
18	150	LF	900.00	\$24.44	\$21,996.00	891.00	\$21,776.04	(\$219.96)
19	6" 45 DEGREE BEND	EA	2.00	\$332.72	\$665.44	3.00	\$998.16	\$332.72
20	8" X 6" REDUCER	EA	2.00	\$340.49	\$680.98	2.00	\$680.98	\$0.00
21	8" X 8" X 6" TEE	EA	3.00	\$637.15	\$1,911.45	3.00	\$1,911.45	\$0.00
22	8" X 8" X 8" TEE	EA	1.00	\$683.89	\$683.89	1.00	\$683.89	\$0.00
23	6" GATE VALVE W/ BOX	EA	1.00	\$1,115.85	\$1,115.85	1.00	\$1,115.85	\$0.00
24	8" GATE VALVE W/ BOX	EA	4.00	\$1,521.23	\$6,084.92	4.00	\$6,084.92	\$0.00
25	& LEAD	EA	2.00	\$3,701.70	\$7,403.40	2.00	\$7,403.40	\$0.00
26	1" COPPER SERVICE	LF	456.00	\$23.91	\$10,902.96	423.00	\$10,113.93	(\$789.03)
27	1" TAPPING SADDLE	EA	12.00	\$124.91	\$1,498.92	12.00	\$1,498.92	\$0.00
28	1" CURB STOP & BOX	EA	12.00	\$195.20	\$2,342.40	11.00	\$2,147.20	(\$195.20)

LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
29	MAIN	EA	3.00	\$1,006.54	\$3,019.62	3.00	\$3,019.62	\$0.00
30	RECONNECT WATER SERVICE	EA	12.00	\$114.18	\$1,370.16	11.00	\$1,255.98	(\$114.18)
31	STATION	EA	2.00	\$417.84	\$835.68	2.00	\$835.68	\$0.00
32	CATHODIC PROTECTION	LS	1.00	\$7,972.65	\$7,972.65	1.00	\$7,972.65	\$0.00
33	CONTROL	LS	1.00	\$4,078.60	\$4,078.60	1.00	\$4,078.60	\$0.00
34	CONTROL PLAN	LS	1.00	\$500.00	\$500.00	1.00	\$500.00	\$0.00
35	AGGREGATE BASE COURSE, 1"	T	500.00	\$17.97	\$8,985.00	571.19	\$10,264.28	\$1,279.28
36	GRAVEL SURFACING, TEMPORARY	T	25.00	\$17.97	\$449.25	25.00	\$449.25	\$0.00
37	PG64-22 WITH 15% MAX RAP	T	240.00	\$82.39	\$19,773.60	196.90	\$16,222.59	(\$3,551.01)
38	PG64-22 WITH NO RAP	T	160.00	\$94.70	\$15,152.00	181.33	\$17,171.95	\$2,019.95
39	B6-6	LF	130.00	\$17.12	\$2,225.60	109.00	\$1,866.08	(\$359.52)
40	REINFORCED	SY	12.00	\$72.76	\$873.12	12.00	\$873.12	\$0.00
41	NONREINFORCED	SF	150.00	\$5.08	\$762.00	25.00	\$127.00	(\$635.00)
42	NONREINFORCED	SF	864.00	\$4.01	\$3,464.64	885.00	\$3,548.85	\$84.21
43	TRAFFIC CONTROL	LS	1.00	\$5,080.00	\$5,080.00	1.00	\$5,080.00	\$0.00
44	TRAFFIC CONTROL PLAN	LS	1.00	\$856.00	\$856.00	1.00	\$856.00	\$0.00
45	GEO GRID	SY	0.00	\$5.71	\$0.00	351.10	\$2,004.78	\$2,004.78
46	LIQUIDATED DAMAGES	EA	0.00	(\$450.00)	\$0.00	11.00	(\$4,950.00)	(\$4,950.00)
<b>TOTAL</b>					<b>\$158,739.80</b>		<b>\$145,637.77</b>	<b>(\$13,102.03)</b>

C.C.O. HISTORY INCREASE/(DECREASE)		PRIOR ADJUSTED CONTRACT PRICE :	\$158,739.80
CCO #1F	(\$13,102.03)	NET INCREASE/(DECREASE):	(\$13,102.03)
	\$0.00	ADJUSTED CONTRACT PRICE:	\$145,637.77
	\$0.00	CHANGE TO DATE:	(\$13,102.03)

*Contractor does not agree, signed under duress.* *9/3/11*

CONTRACTOR: Rapid Construction, 2783 Plant Street, Rapid City, SD 57702 - 605-343-5162 DATE

*[Signature]* *9/2/11*

PROJECT MANAGER: KLARE SCHROEDER, P.E. DATE

*[Signature]* *9-7-11*

CITY ENGINEER: DALE TECH, P.E. / L.S. DATE

MAYOR: SAM KOOIKER DATE

FINANCE: PAULINE SUMPTION DATE

CONTRACT TIME CHANGE +/-: 0      NEW CONTRACT TIME:      Days

City Staff recommends approval of this Change Order #1F to Rapid Construction Company LLC for a decrease of \$13,102.03 based on unit pricing with the following appropriation:

Initial Funding		\$158,739.80			\$158,739.80
Fund Type		Water			
Department		0933			
Line Item		4381			
Fund		0602			
CCO #1		(\$13,102.03)			(\$13,102.03)
Adjusted Funding		\$145,637.77		\$145,637.77	\$145,637.77

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**AUGUST 31, 2011**  
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**CONTRACTOR: RAPID CONSTRUCTION COMPANY, LLC**

LINE ITEM	DESCRIPTION	REASON FOR CHANGE
4	REMOVE CURB STOP AND BOX	Less removals necessary than estimated in the design.
6	REMOVE AC PAVEMENT	Less removals necessary than estimated in the design.
7	REMOVE CONCRETE CURB & GUTTER	Less removals necessary than estimated in the design.
8	REMOVE CONCRETE FILLET	Less removals necessary than estimated in the design.
9	REMOVE CONCRETE DRIVEWAY	Less removals necessary than estimated in the design.
10	REMOVE PCC SIDEWALK	Less removals necessary than estimated in the design.
11	AASHTO T-180 SOIL TEST	Additional tests necessary due to soil variations within project.
12	SODDING	Less removals necessary than estimated in the design.
13	WATER MAIN CONCRETE ENCASEMENT	Less quantities used to complete project.
14	IMPORTED BACKFILL MATERIAL (TRENCH)	None Used.
15	TYPE I BEDDING MATERIAL	None Used.
16	TYPE III FOUNDATION MATERIAL	None Used.
17	6" PVC WATER MAIN C-900, CLASS 150	Less quantities used to complete project.
18	8" PVC WATER MAIN C-900, CLASS 150	Less quantities used to complete project.
19	6" 45 DEGREE BEND	Additional bend necessary to do water tie in.
26	1" COPPER SERVICE	Less quantities used to complete project.

28	1" CURB STOP & BOX	Less quantities used to complete project.
30	RECONNECT WATER SERVICE	Less quantities used to complete project.
35	AGGREGATE BASE COURSE, 1"	Additional quantity used over geogrid areas.
37	AC, CLASS G, TYPE 1 PG64-2 8 OR	Less quantity used to complete project.
38	AC, CLASS G, TYPE 1 PG64-28 OR	Additional quantity was used to complete project.
39	CONCRETE CURB & GUTTER, TYPE	Less quantity used to complete project.
41	CONCRETE DRIVEWAY, 6" NONREIN	Less quantity used to complete project.
42	CONCRETE SIDEWALK, 4" NONREIN	Additional quantity needed to repair sidewalk.
45	GEO GRID	Used to stabilize the subgrade.
46	LIQUIDATED DAMAGES	Project was completed 11 working days late.

PREPARED BY: Klare Schroeder, P.E.

DATE: AUGUST 31, 2011

FUNDING TYPE	Water		
COST CENTER	0933		
LINE ITEM	4381		
FUND	0602		
DESCRIPTION OF ITEM	AMOUNT	PERCENT	
MOBILIZATION	0.00	100%	100%
INCIDENTAL	0.00	100%	100%
REMOVE & SALVAGE FIRE HYDRA	0.00	100%	100%
REMOVE CURB STOP AND BOX	-200.00	100%	100%
REMOVE WATER VALVE & BOX	0.00	100%	100%
REMOVE AC PAVEMENT	-991.80	100%	100%
REMOVE CONCRETE CURB & GUT	-183.08	100%	100%
REMOVE CONCRETE FILLET	-0.74	100%	100%
REMOVE CONCRETE DRIVEWAY	-172.50	100%	100%
REMOVE PCC SIDEWALK	-332.22	100%	100%
AASHTO T-180 SOIL TEST	267.50	100%	100%
SODDING	-1,732.75	100%	100%
WATER MAIN CONCRETE ENCASE	-651.30	100%	100%
IMPORTED BACKFILL MATERIAL (T	-1,688.00	100%	100%
TYPE I BEDDING MATERIAL	-970.50	100%	100%
TYPE III FOUNDATION MATERIAL	-970.50	100%	100%
6" PVC WATER MAIN C-900, CLASS	-383.18	100%	100%
8" PVC WATER MAIN C-900, CLASS	-219.96	100%	100%
6" 45 DEGREE BEND	332.72	100%	100%
8" X 6" REDUCER	0.00	100%	100%
8" X 8" X 6" TEE	0.00	100%	100%
8" X 8" X 8" TEE	0.00	100%	100%
6" GATE VALVE W/ BOX	0.00	100%	100%
8" GATE VALVE W/ BOX	0.00	100%	100%
FIRE HYDRANT W/AUX VALVE, BO	0.00	100%	100%
1" COPPER SERVICE	-789.03	100%	100%
1" TAPPING SADDLE	0.00	100%	100%
1" CURB STOP & BOX	-195.20	100%	100%

CONNECT TO EXISTING WATER M	0.00	100%	100%
RECONNECT WATER SERVICE	-114.18	100%	100%
CATHODIC CONTROL TEST STATI	0.00	100%	100%
CATHODIC PROTECTION	0.00	100%	100%
EROSION AND WATER POLLUTION	0.00	100%	100%
EROSION AND WATER POLLUTION	0.00	100%	100%
AGGREGATE BASE COURSE, 1"	1,279.28	100%	100%
GRAVEL SURFACING, TEMPORAR	0.00	100%	100%
AC, CLASS G, TYPE 1 PG64-2 8 OR	-3,551.01	100%	100%
AC, CLASS G, TYPE 1 PG64-28 OR	2,019.95	100%	100%
CONCRETE CURB & GUTTER, TYP	-359.52	100%	100%
CONCRETE FILLET & PAN, 6" REIN	0.00	100%	100%
CONCRETE DRIVEWAY, 6" NONRE	-635.00	100%	100%
CONCRETE SIDEWALK, 4" NONRE	84.21	100%	100%
TRAFFIC CONTROL	0.00	100%	100%
TRAFFIC CONTROL PLAN	0.00	100%	100%
GEO GRID	2,004.78	100%	100%
LIQUIDATED DAMAGES	-4,950.00	100%	100%
	(\$13,102.03)		(\$13,102.03)