

CITY OF RAPID CITY CONSTRUCTION CHANGE ORDER #1F
NORTHRIDGE WATER STORAGE RESERVOIR
PROJECT NO. W09 - 1792 / CIP NO. 50754
MARCH 8, 2013
ORIGINAL CONTRACT AMOUNT: \$2,223,000.00
CONTRACTOR: CB&I, INC.

LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
	Bid Schedule A							
1	Mobilization	LS	1.00	\$100,000.00	\$100,000.00	1.00	\$100,000.00	\$0.00
2	Construction Staking (by Contractor)	LS	1.00	\$5,000.00	\$5,000.00	1.00	\$5,000.00	\$0.00
3	Clearing & Grubbing	LS	1.00	\$6,050.00	\$6,050.00	1.00	\$6,050.00	\$0.00
4	Clearing & Grubbing (Trees 10" and Larger)	EA	30.00	\$193.00	\$5,790.00	30.00	\$5,790.00	\$0.00
5	4" Perforated Drain Pipe	LF	275.00	\$7.00	\$1,925.00	175.00	\$1,225.00	(\$700.00)
6	16" PVC Water Main C-905, DR 25, CERTA LOK	LF	220.00	\$102.00	\$22,440.00	115.00	\$11,730.00	(\$10,710.00)
7	16" x 12" Reducer	EA	1.00	\$842.00	\$842.00	1.00	\$842.00	\$0.00
8	6" PVC RJ Watermain	LF	105.00	\$34.00	\$3,570.00	100.00	\$3,400.00	(\$170.00)
9	12" PVC Water Main C-900, Class 200, CERTA LOK	LF	60.00	\$55.00	\$3,300.00	6.00	\$330.00	(\$2,970.00)
10	16" x 16" x 6" Tee	EA	1.00	\$1,260.00	\$1,260.00	1.00	\$1,260.00	\$0.00
11	16" 11.25 Degree Bend	EA	3.00	\$1,018.00	\$3,054.00	3.00	\$3,054.00	\$0.00
12	6" 45 Degree Bend	EA	2.00	\$425.00	\$850.00	2.00	\$850.00	\$0.00
13	16" 22.5 Degree Bend	EA	2.00	\$2,090.00	\$4,180.00	2.00	\$4,180.00	\$0.00
14	16" MJ Plug	EA	2.00	\$1,045.00	\$2,090.00	1.00	\$1,045.00	(\$1,045.00)
15	Connect to Existing Watermain (not in service)	LS	1.00	\$2,486.00	\$2,486.00	1.00	\$2,486.00	\$0.00
16	12" Gate Valve	EA	1.00	\$3,740.00	\$3,740.00	1.00	\$3,740.00	\$0.00
17	16" Gate Valve	EA	3.00	\$9,900.00	\$29,700.00	3.00	\$29,700.00	\$0.00
18	Rock Excavation	CY	190.00	\$55.00	\$10,450.00	0.00	\$0.00	(\$10,450.00)
19	Contractor Supplied Density Tests	EA	10.00	\$198.00	\$1,980.00	8.00	\$1,584.00	(\$396.00)
20	Excavation (Unclassified)	1.00	850.00	\$4.20	\$3,570.00	850.00	\$3,570.00	\$0.00
21	Embankment Fill	CY	775.00	\$3.00	\$2,325.00	775.00	\$2,325.00	\$0.00
22	Topsoil, Stockpile or Import/Replace	CY	500.00	\$8.00	\$4,000.00	500.00	\$4,000.00	\$0.00
23	3/4" Aggregate Base Course	T	275.00	\$23.00	\$6,325.00	275.00	\$6,325.00	\$0.00
24	Asphalt Compaction Tests	EA	3.00	\$220.00	\$660.00	3.00	\$660.00	\$0.00
25	AC, Class G, Type 1 Pg 64-28	T	70.00	\$154.00	\$10,780.00	86.00	\$13,244.00	\$2,464.00
26	Bituminous Tack Coat	GAL	25.00	\$6.00	\$150.00	0.00	\$0.00	(\$150.00)
27	Concrete Curb & Gutter Type B66	LF	410.00	\$33.00	\$13,530.00	264.00	\$8,712.00	(\$4,818.00)
28	Concrete Test Set	EA	3.00	\$198.00	\$594.00	3.00	\$594.00	\$0.00
29	PCC Pavement, 6" Reinforced	SY	175.00	\$193.00	\$33,775.00	173.00	\$33,389.00	(\$386.00)

LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
30	18" RCP Class III	LF	80.00	\$49.00	\$3,920.00	48.00	\$2,352.00	(\$1,568.00)
31	18" RCP FES	EA	3.00	\$1,100.00	\$3,300.00	1.00	\$1,100.00	(\$2,200.00)
32	Class II Riprap with Bedding	CY	50.00	\$43.00	\$2,150.00	50.00	\$2,150.00	\$0.00
33	12" EC Wattles	LF	50.00	\$11.00	\$550.00	0.00	\$0.00	(\$550.00)
34	Erosion Control Blanket	SY	235.00	\$10.00	\$2,350.00	235.00	\$2,350.00	\$0.00
35	Erosion Control, Perimeter Control	LF	500.00	\$8.80	\$4,400.00	391.00	\$3,440.80	(\$959.20)
36	Repair Silt Fence	LF	500.00	\$2.20	\$1,100.00	391.00	\$860.20	(\$239.80)
37	Cathodic Control Anode, 18 lb - Zinc	EA	15.00	\$270.60	\$4,059.00	12.00	\$3,247.20	(\$811.80)
38	Remove Silt Fence	LF	500.00	\$2.20	\$1,100.00	391.00	\$860.20	(\$239.80)
39	Concrete Washout Area	EA	1.00	\$550.00	\$550.00	1.00	\$550.00	\$0.00
40	8' Colored Chain Link Fence	LF	665.00	\$42.00	\$27,930.00	665.00	\$27,930.00	\$0.00
41	Gate and Motorized Operator	LS	1.00	\$10,500.00	\$10,500.00	1.00	\$10,500.00	\$0.00
42	Seeding/Fertilizing/Mulching	SY	7,260.00	\$1.00	\$7,260.00	7,260.00	\$7,260.00	\$0.00
43	Irrigation System Temporary	LS	1.00	\$1,650.00	\$1,650.00	1.00	\$1,650.00	\$0.00
44	Landscaping	LS	1.00	\$14,600.00	\$14,600.00	1.00	\$14,600.00	\$0.00
45	Reinforced Concrete Sidewalk (4") (4000 psi)	SY	32.00	\$6.00	\$192.00	33.00	\$198.00	\$6.00
46	Storm Box	EA	1.00	\$4,675.00	\$4,675.00	1.00	\$4,675.00	\$0.00
47	Fire Hydrant and Lead	EA	1.00	\$5,830.00	\$5,830.00	1.00	\$5,830.00	\$0.00
48	Frost Free Yard Hydrant	EA	1.00	\$3,520.00	\$3,520.00	1.00	\$3,520.00	\$0.00
49	750,000 Gallon Steel Spheroid Water Tower**	LS	1.00	\$1,115,654.00	\$1,115,654.00	1.00	\$1,115,654.00	\$0.00
50	Painting and Coatings	LS	1.00	\$208,142.00	\$208,142.00	1.00	\$208,142.00	\$0.00
51	Interior Piping & Tank Mixing System	LS	1.00	\$76,102.00	\$76,102.00	1.00	\$76,102.00	\$0.00
52	Enclosure (Building, insulation, finishes, etc)	LS	1.00	\$22,000.00	\$22,000.00	1.00	\$22,000.00	\$0.00
53	Mechanical Work (Sump, Dehumidifer, drains, meter, etc.)	LS	1.00	\$9,100.00	\$9,100.00	1.00	\$9,100.00	\$0.00
54	Electrical Work (Service, Heater, Lights, Outlets, etc.)	LS	1.00	\$36,500.00	\$36,500.00	1.00	\$36,500.00	\$0.00
55	Instrumentation & Controls Allowance	LS	1.00	\$60,000.00	\$60,000.00	1.00	\$60,000.00	\$0.00
56	Overhead Electrical Allowance	LS	1.00	\$25,000.00	\$25,000.00	0.13	\$3,150.00	(\$21,850.00)
57	Facility Start-Up	LS	1.00	\$15,000.00	\$15,000.00	1.00	\$15,000.00	\$0.00
58	Power Line Trench (from Cut-de-sac to Tower)	LF	150.00	\$13.00	\$1,950.00	125.00	\$1,625.00	(\$325.00)
59	Incidental	LS	1.00	\$550.00	\$550.00	1.00	\$550.00	\$0.00
	Total Bid Schedule A							
	Bid Schedule B							
60	Mobilization	LS	1.00	\$23,250.00	\$23,250.00	1.00	\$23,250.00	\$0.00
61	Surface Prep & Coating - Interior Wet	SF	15,200.00	\$8.00	\$121,600.00	15,200.00	\$121,600.00	\$0.00
62	Surface Prep & Coating - Interior Dry	SF	8,000.00	\$4.50	\$36,000.00	8,000.00	\$36,000.00	\$0.00
63	Surface Prep & Coating - Exterior Dry	SF	20,400.00	\$4.00	\$81,600.00	20,400.00	\$81,600.00	\$0.00

LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
64	Access Tube Repairs	LS	1.00	\$500.00	\$500.00	1.00	\$500.00	\$0.00
65	Fall Prevention	LS	1.00	\$6,000.00	\$6,000.00	1.00	\$6,000.00	\$0.00
	Total Bid Schedule B							
	Final Change Order #1F							
66	Liquidated Damages	DAY	0.00	(\$1,300.00)	\$0.00	73.00	(\$94,900.00)	(\$94,900.00)
67	RFP #1	LS	0.00	(\$15,200.00)	\$0.00	1.00	(\$15,200.00)	(\$15,200.00)
68	RFP #2	LS	0.00	\$14,740.00	\$0.00	1.00	\$14,740.00	\$14,740.00
69	RFP #3	LS	0.00	\$2,120.00	\$0.00	1.00	\$2,120.00	\$2,120.00
70	RFP #4	LS	0.00	\$0.00	\$0.00	1.00	\$0.00	\$0.00
71	RFP #5	LS	0.00	\$5,065.00	\$0.00	1.00	\$5,065.00	\$5,065.00
72	RFP #6	LS	0.00	\$2,820.00	\$0.00	1.00	\$2,820.00	\$2,820.00
73	RFP #7	LS	0.00	\$0.00	\$0.00	1.00	\$0.00	\$0.00
74	RFP #8	LS	0.00	\$390.00	\$0.00	1.00	\$390.00	\$390.00
	TOTAL				\$2,223,000.00		\$2,079,966.40	(\$143,033.60)

C.C.O. HISTORY INCREASE/(DECREASE)			PRIOR ADJUSTED CONTRACT PRICE :	\$2,223,000.00
	CCO #1F	(\$143,033.60)	NET INCREASE/(DECREASE):	(\$143,033.60)
		\$0.00	ADJUSTED CONTRACT PRICE:	\$2,079,966.40
		\$0.00	CHANGE TO DATE:	(\$143,033.60)

Dados Roberts _____ DATE 3/15/13
 CONTRACTOR: CB&I Inc.
Stacey Titus _____ DATE 4/23/13
 PROJECT MANAGER: STACEY TITUS, P.E.
John Williams _____ DATE 4-24-13
 CITY ENGINEER: DALE TECH, P.E. / L.S.
 _____ DATE _____
 MAYOR: SAM KOOIKER _____ DATE _____
 _____ DATE _____
 FINANCE: PAULINE SUMPTION _____ DATE _____
 CONTRACT TIME CHANGE +/-: 0 NEW CONTRACT TIME: Days

City Staff recommends approval of this Change Order #1F to CB&I Inc. for a decrease of \$143,033.60 based on unit pricing with the following appropriation:

Initial Funding	\$2,223,000.00						\$2,223,000.00
Fund Type	Water Expansion						
Department	0934						
Line Item	4381						
Fund	0602						
CCO #1	(\$143,033.60)						(\$143,033.60)
							\$0.00
							\$0.00
Adjusted Funding	\$2,079,966.40	\$0.00	\$0.00	\$0.00	\$0.00	\$2,079,966.40	\$2,079,966.40

**CITY OF RAPID CITY CONSTRUCTION CHANGE ORDER #1F
NORTHRIDGE WATER STORAGE RESERVOIR
PROJECT NO. W09 - 1792 / CIP NO. 50754**

MARCH 8, 2013

ORIGINAL CONTRACT AMOUNT: \$2,223,000.00

CONTRACTOR: CB&I, INC.

LINE ITEM	DESCRIPTION	REASON FOR CHANGE
5	4" Perforated Drain Pipe	Reflect the actual quantity installed.
6	16" PVC Water Main C-905 DR 25, Certa Lok	Reflect the actual quantity installed.
8	6" PVC RJ Water Main	Reflect the actual quantity installed.
9	12 PVC Water Main C-900 Class 200 Certa Lok	Reflect the actual quantity installed.
14	16" MJ Plug	Reflect the actual quantity installed.
18	Rock Excavation	Reflect the actual quantity installed.
19	Contractor Supplied Density Tests	Reflect the actual quantity installed.
25	AC, Class G, Type Pg 64-28	Reflect the actual quantity installed.
26	Bituminous Tack Coat	Reflect the actual quantity installed.
27	Concrete Curb & Gutter Tpe B66	Reflect the actual quantity installed.
29	PCC Pavement, 6" Reinforced	Reflect the actual quantity installed.
30	18" RCP Class III	Reflect the actual quantity installed.
31	18" RCP FES	Reflect the actual quantity installed.
33	12" EC Waddles	Reflect the actual quantity installed.
35	Erosion Control, Perimeter Control	Reflect the actual quantity installed.
36	Repair Silt Fence	Reflect the actual quantity installed.
37	Cathodic Control Anode, 18 lb, zinc	Reflect the actual quantity installed.
38	Remove Silt Fence	Reflect the actual quantity installed.
45	Reinforced Concrete Sidewalk	Reflect the actual quantity installed.
56	Overhead Power Allowance	Reflect the actual quantity installed.
58	Power Line Trench (from Cul-de-Sac to Tower).	Reflect the actual quantity installed.
66	Liquidated Damages	Liquidated Damages - By Contract
67	RFP #1	Design Changes, project credit - \$15,200
68	RFP #2	Snow Load Modification - project cost \$14,740
69	RFP #3	Fitting Added - project cost \$2,120
70	RFP #4	New Drain Valve - Skyline Reservoir, Water Department purchased, no change in project - \$0.00
71	RFP #5	New Fence at bottom of hill - Owner driven change - project cost \$5,065
72	RFP #6	Modifications to Pine Dale Reservoir - Owner driven change - project cost \$2,820
73	RFP #7	Concrete Pan under driveway - not installed, no change to project - \$0.00
74	RFP #8	GFCI Outlets in Tower - project cost \$390.00

PREPARED BY: Keith Winter

DATE: February 18, 2013

		Water Expansion	
		0934	
		4381	
		0602	
ITEM NO.	DESCRIPTION OF ITEM	AMOUNT	PERCENT
	Bid Schedule A		
1	Mobilization	0.00	100%
2	Construction Staking (by Contractor)	0.00	100%
3	Clearing & Grubbing	0.00	100%
4	Clearing & Grubbing (Trees 10" and	0.00	100%
5	4" Perforated Drain Pipe	-700.00	100%
6	16" PVC Water Main C-905, DR 25,	-10,710.00	100%
7	16" x 12" Reducer	0.00	100%
8	6" PVC RJ Watermain	-170.00	100%
9	12" PVC Water Main C-900, Class 2	-2,970.00	100%
10	16" x 16" x 6" Tee	0.00	100%
11	16" 11.25 Degree Bend	0.00	100%
12	6" 45 Degree Bend	0.00	100%
13	16" 22.5 Degree Bend	0.00	100%
14	16" MJ Plug	-1,045.00	100%
15	Connect to Existing Watermain (not i	0.00	100%
16	12" Gate Valve	0.00	100%
17	16" Gate Valve	0.00	100%
18	Rock Excavation	-10,450.00	100%
19	Contractor Supplied Density Tests	-396.00	100%
20	Excavation (Unclassified)	0.00	100%
21	Embankment Fill	0.00	100%
22	Topsoil, Stockpile or Import/Replace	0.00	100%
23	3/4" Aggregate Base Course	0.00	100%
24	Asphalt Compaction Tests	0.00	100%
25	AC, Class G, Type 1 Pg 64-28	2,464.00	100%
26	Bituminous Tack Coat	-150.00	100%
27	Concrete Curb & Gutter Type B66	-4,818.00	100%
28	Concrete Test Set	0.00	100%
29	PCC Pavement, 6" Reinforced	-386.00	100%

30	18" RCP Class III	-1,568.00	100%
31	18" RCP FES	-2,200.00	100%
32	Class II Riprap with Bedding	0.00	100%
33	12" EC Wattles	-550.00	100%
34	Erosion Control Blanket	0.00	100%
35	Erosion Control, Perimeter Control	-959.20	100%
36	Repair Silt Fence.	-239.80	100%
37	Cathodic Control Anode, 18 lb - Zinc	-811.80	100%
38	Remove Silt Fence	-239.80	100%
39	Concrete Washout Area	0.00	100%
40	8' Colored Chain Link Fence	0.00	100%
41	Gate and Motorized Operator	0.00	100%
42	Seeding/Fertilizing/Mulching	0.00	100%
43	Irrigation System Temporary	0.00	100%
44	Landscaping	0.00	100%
45	Reinforced Concrete Sidewalk (4") (4	6.00	100%
46	Storm Box	0.00	100%
47	Fire Hydrant and Lead	0.00	100%
48	Frost Free Yard Hydrant	0.00	100%
49	750,000 Gallon Steel Spheroid Water	0.00	100%
50	Painting and Coatings	0.00	100%
51	Interior Piping & Tank Mixing System	0.00	100%
52	Enclosure (Building, insulation, finish)	0.00	100%
53	Mechanical Work (Sump, Dehumidif	0.00	100%
54	Electrical Work (Service, Heater, Ligh	0.00	100%
55	Instrumentation & Controls Allowanc	0.00	100%
56	Overhead Electrical Allowance	-21,850.00	100%
57	Facility Start-Up	0.00	100%
58	Power Line Trench (from Cul-de-sac	-325.00	100%
59	Incidental	0.00	100%
	Total Bid Schedule A		
	Bid Schedule B		
60	Mobilization	0.00	100%
61	Surface Prep & Coating - Interior We	0.00	100%
62	Surface Prep & Coating - Interior Dry	0.00	100%
63	Surface Prep & Coating - Exterior Dr	0.00	100%
64	Access Tube Repairs	0.00	100%
65	Fall Prevention	0.00	100%

Total Bid Schedule B			
66	Liquidated Damages	-94,900.00	100%
67	RFP #1	-15,200.00	100%
68	RFP #2	14,740.00	100%
69	RFP #3	2,120.00	100%
70	RFP #4	0.00	100%
71	RFP #5	5,065.00	100%
72	RFP #6	2,820.00	100%
73	RFP #7	0.00	100%
74	RFP #8	390.00	100%
		(\$143,033.60)	