

CITY OF RAPID CITY CONSTRUCTION CHANGE ORDER #5
WELL 12 AND STONEY CREEK BOOSTER STATION
PROJECT NO. W03-953 / CIP 50318

February 26, 2008

ORIGINAL CONTRACT AMOUNT: \$1,798,900.00

CONTRACTOR: HEAVY CONSTRUCTORS, INC. dba GUSTAFSON BUILDERS INC.

LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
1	Total Bid Price for Construction of Well 12 and Stoney Creek Booster Station	LS	1.00	\$1,798,900.00	\$1,798,900.00	1.00	\$1,798,900.00	\$0.00
	Change Order #1							
2	RFP #1 - Storm Inlet	LS	1.00	\$0.00	\$0.00	1.00	\$0.00	\$0.00
3	RFP #2 - DWV	LS	1.00	\$231.73	\$231.73	1.00	\$231.73	\$0.00
4	RFP #5 - Rock Stabilization	LS	1.00	\$568.65	\$568.65	1.00	\$568.65	\$0.00
	Change Order #2							
5	RFP 3 - 10" PVC Restraint Investigation	LS	1.00	\$304.38	\$304.38	1.00	\$304.38	\$0.00
6	RFP 5 - Plumbing Changes in Chemical Feed Area	LS	1.00	\$3,108.64	\$3,108.64	1.00	\$3,108.64	\$0.00
7	RFP 6 - Well Pump Base Modifications	LS	1.00	\$434.28	\$434.28	1.00	\$434.28	\$0.00
8	RFP 8 - Change salt platform size	LS	1.00	(\$2,006.28)	(\$2,006.28)	1.00	(\$2,006.28)	\$0.00
9	RFP 9 - Change overhead coiling door to sectional door in chemical feed room	LS	1.00	(\$881.00)	(\$881.00)	1.00	(\$881.00)	\$0.00
10	RFP 10 - Add electrical feed to Clortec water heater	LS	1.00	\$1,425.25	\$1,425.25	1.00	\$1,425.25	\$0.00
	Change Order #3							
11	RFP 11 - Emergency Booster Pump System	LS	1.00	\$37,584.34	\$37,584.34	1.00	\$37,584.34	\$0.00
	Change Order #4							
12	RFP 7 - Add 40' length to turbine pump column for Well 12	LS	1.00	\$10,980.71	\$10,980.71	1.00	\$10,980.71	\$0.00

LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
13	RFP 12 - Add Trex Closure strip at perimeter of emergency generator pit	LS	1.00	\$447.89	\$447.89	1.00	\$447.89	\$0.00
14	RFP 13 - Credit for change in lab casework and countertop	LS	1.00	(\$368.00)	(\$368.00)	1.00	(\$368.00)	\$0.00
15	RFP 14 - Add ceiling fan for ventilation above Clortec rectifier	LS	1.00	\$5,095.52	\$5,095.52	1.00	\$5,095.52	\$0.00
16	RFP 15 - Add attic access hatches to lab area and pump room. Enclose 3" Clortec vent at roof area	LS	1.00	\$1,262.78	\$1,262.78	1.00	\$1,262.78	\$0.00
17	RFP 16 - Siemens control system programming changes and wiring alteration for Variable Torque Drive (VTD) for Well 12 pump	LS	1.00	\$4,681.18	\$4,681.18	1.00	\$4,681.18	\$0.00
18	Credit for reduced rental time for temporary booster pump included in C.O. #3	LS	1.00	(\$1,362.00)	(\$1,362.00)	1.00	(\$1,362.00)	\$0.00
19	Change air infiltration barrier under building siding from asphalt felt to Tyvek	LS	1.00	\$332.56	\$332.56	1.00	\$332.56	\$0.00
	Change Order #5							
20	RFP 17 - Construct concrete equipment pads for clortec equipment and hypochlorite storage tanks.	LS	0.00	\$1,717.74	\$0.00	1.00	\$1,717.74	\$1,717.74
21	RFP 18 - Booster suction and discharge piping alterations to accommodate changes in pipe header locations and elevations	LS	0.00	\$4,422.00	\$0.00	1.00	\$4,422.00	\$4,422.00
22	RFP 19 - Add additional control rods to booster and well pump expansion joints.	LS	0.00	\$2,355.75	\$0.00	1.00	\$2,355.75	\$2,355.75
23	RFP 20 - Add interior surface bolt door hardware to bottom of paired Door #105.	LS	0.00	\$525.23	\$0.00	1.00	\$525.23	\$525.23

LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE	
24	RFP 22 - Add interior surface bolt door hardware to bottom of paired Door #105.	LS	0.00	\$186.27	\$0.00	1.00	\$186.27	\$186.27	
25	RFP 23 - Add fiber mulch to 0.8 acres of site rehabilitation and seeding.	LS	0.00	\$2,803.39	\$0.00	1.00	\$2,803.39	\$2,803.39	
26	RFP 24 - Programming and hardware alterations for modified well pump and booster pump start-stop sequence on emergency power.	LS	0.00	\$6,820.63	\$0.00	1.00	\$6,820.63	\$6,820.63	
27	RFP 25 - Replace 3/4" pipe saddle at chlorine solution injection with 1" pipe saddle.	LS	0.00	\$316.51	\$0.00	1.00	\$316.51	\$316.51	
28	RFP 26 - Relocate power supply for pallet lift equipment from under-floor to above-ground circuit routing.	LS	0.00	\$703.75	\$0.00	1.00	\$703.75	\$703.75	
29	RFP 27 - Modify salt loading platform and stairway dimensions.	LS	0.00	\$711.30	\$0.00	1.00	\$711.30	\$711.30	
30	Contract Time Extension to 30 calendar days after Red Rock Tank is tested and placed into service.	NA	0.00	\$0.00	\$0.00		\$0.00		
TOTAL							\$1,860,740.63	\$1,881,303.20	\$20,562.57

C.C.O. HISTORY INCREASE/(DECREASE)		PRIOR ADJUSTED CONTRACT PRICE :	\$1,860,740.63
CCO #1	\$800.38	NET INCREASE/(DECREASE):	\$20,562.57
CCO #2	\$2,385.27	ADJUSTED CONTRACT PRICE:	\$1,881,303.20
CCO #3	\$37,584.34	CHANGE TO DATE:	\$82,403.20
CCO #4	\$21,070.64		
CCO #5	\$20,562.57		

CONTRACTOR: HEAVY CONSTRUCTORS, INC. dba GUSTAFSON BUILDERS INC.; POB 1376, 4101 Deadwood Avenue North, Rapid City, SD 57709

DATE

3-26-08



PROJECT MANAGER: Stacey P. Titus, P.E.

DATE

MAYOR: ALAN HANKS

DATE

FINANCE: JAMES PRESTON

DATE

CONTRACT TIME CHANGE +/-: NEW CONTRACT TIME: Contract time is extended from February 1, 2008 to a date 30 days after Red Rock tank is placed into service.

City Staff recommends approval of Change Order #5 to Heavy Constructors, Inc. for an increase of \$20,562.57 based on unit pricing with the following appropriation:

Initial Funding	\$0.00	\$899,450.00	\$899,450.00	\$0.00	\$1,798,900.00
Fund Type		Water	Water		
Fund		0602	0602		
Department		0933	0934		
Line Item		4381	4381		
CCO #1		\$400.19	\$400.19		\$800.38
CCO #2		\$1,192.64	\$1,192.63		\$2,385.27
CCO #3		\$18,792.17	\$18,792.17		\$37,584.34
CCO #4		\$10,535.32	\$10,535.32		\$21,070.64
CCO #5		\$10,281.28	\$10,281.29		\$20,562.57
Adjusted Funding	\$0.00	\$940,651.60	\$940,651.60	\$0.00	\$1,881,303.20

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February 26, 2008

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CONTRACTOR: HEAVY CONSTRUCTORS, INC. dba GUSTAFSON BUILDERS INC.

LINE ITEM	DESCRIPTION	REASON FOR CHANGE
20	RFP 17 - Construct concrete equipment pads for clortec equipment and hypochlorite storage tanks.	Elevated equipment pads were added to the Clortec system to facilitate equipment piping and wiring. Elevated pads provide for improved protection of pipe and conduits, improved housekeeping (floor washdown) ,and conform to Clortec installation instructions.
21	RFP 18 - Booster suction and discharge piping alterations to accommodate changes in pipe header locations and elevations	Dimensional error on plans resulted in the need to modify booster pump suction and discharge piping systems to adjust for reduced horizontal space and changed vertical height of piping header.
22	RFP 19 - Add additional control rods to booster and well pump expansion joints.	Loading on standard 2-rod fitting exceeded allowable tensile stress in rods. Two additional control rods are needed to reduce stress per rod to allowable loading.
23	RFP 20 - Add interior surface bolt door hardware to bottom of paired Door #105.	Wiring of safety switch for motorized overhead door operator was inadvertently omitted from electrical drawings.
24	RFP 22 - Add interior surface bolt door hardware to bottom of paired Door #105.	Hardware needed to secure and seal door bottoms was inadvertently omitted from door hardware specifications.
25	RFP 23 - Add fiber mulch to 0.8 acres of site rehabilitation and seeding.	Existing crop residue on peripheral parts of the construction site was anticipated to allow overseeding without the use of supplemental mulch. At the time of seeding, crop residue was judged inadequate to protect new seeding. Fiber mulch is needed to assure grass seed germination and protect from wind erosion.
26	RFP 24 - Programming and hardware alterations for modified well pump and booster pump start-stop sequence on emergency power.	Supplemental control system programming and wiring were determined to be necessary to handle emergency power supply transfer and re-transfer fro well pump and booster pumps. Programming change provides for needed time delays before load re-transfer to pumping units after power supply interruption.
27	RFP 25 - Replace 3/4" pipe saddle at chlorine solution injection with 1" pipe saddle.	Plans called for incorrect tap size for chemical feed injection point. Tapping saddle needed to be replaced with correct size (1" vs. 3/4" called for on plans).

28	RFP 26 - Relocate power supply for pallet lift equipment from under-floor to above-ground circuit routing.	Final chemical room equipment layout resulted in obstruction of a previously installed electrical supply to the motorized pallet lift equipment. Re-routing of power supply from an underflow to ceiling location is needed.
29	RFP 27 - Modify salt loading platform and stairway dimensions.	Salt platform was determined to conflict with clearance requirements for Clortec rectifier unit. The salt platform/stair assembly was modified to a smaller size to provide the additional space needed.
30	Contract time extension to 30 calendar days after Red Rock Tank is tested and placed into service.	Contract terms require that the Contractor operate the completed well pump and booster systems for 30 days as part of a "Contractor's Start-Up Period". Completion of the Red Rock tank is a prerequisite to commencing start-up activities. Pumping system performance verification and adjustments require that the Red Rock tank be in service to receive water and to allow pumping under actual pumping head conditions. The Red Rock tank is not completed as of the time of preparation of this change order. The proposed contract time extension will provide for the 30-day Contractor's start-up period to commence upon placing of the new tank into service. The actual date at which the tank is determined to be in service, and the corresponding date (30 days later) required for completion of contract obligations is to be documented in writing by the Engineer and acknowledged by the Contractor.

PREPARED BY: _____

DATE: _____