

**CITY OF RAPID CITY CONSTRUCTION CHANGE ORDER #2**  
**North Rapid Booster Station Reconstruction**  
**PROJECT NO. 13-2080 / CIP NO. 50812.A**  
**MARCH 1, 2016**  
**ORIGINAL CONTRACT AMOUNT: \$2,223,079.01**  
**CONTRACTOR: R.C.S. CONSTRUCTION, INC.**

CO	LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
		<b>BID SCHEDULE 1</b>							
		<b>DIVISION 01 - GENERAL REQUIREMENTS</b>							
	1	MOBILIZATION, BONDS, INSURANCE, PERMITS, INCIDENTAL WORK	LS	1.00	\$156,000.00	\$156,000.00	1.00	\$156,000.00	\$0.00
	2	SUBMITTALS, TEMP. FACILITIES & CONTROLS, CONST STAKING, RE-ESTAB. PROP CORNERS	LS	1.00	\$69,000.00	\$69,000.00	1.00	\$69,000.00	\$0.00
	3	TRAFFIC CONTROL	LS	1.00	\$4,000.00	\$4,000.00	1.00	\$4,000.00	\$0.00
	4	EROSION & SEDIMENT CONTROL	LS	1.00	\$9,000.00	\$9,000.00	1.00	\$9,000.00	\$0.00
	5	START-UP, OPERATION & MAINTENANCE DATA, TRAINING, CLOSEOUT	LS	1.00	\$46,000.00	\$46,000.00	1.00	\$46,000.00	\$0.00
		<b>DIVISION 02 - EXISTING CONDITIONS</b>							
	6	SITE DEMOLITION, CLEARING, & REMOVALS	LS	1.00	\$4,400.00	\$4,400.00	1.00	\$4,400.00	\$0.00
		<b>DIVISION 03 - CONCRETE</b>							
	7	CAST-IN-PLACE BUILDING CONCRETE & REINFORCEMENT	LS	1.00	\$43,000.00	\$43,000.00	0.00	\$0.00	(\$43,000.00)
CO2	7A	CAST-IN-PLACE BUILDING CONCRETE & REINFORCEMENT	LS	0.00	\$43,192.43	\$0.00	1.00	\$43,192.43	\$43,192.43
		<b>DIVISION 04 - MASONRY</b>							
	8	BRICK MASONRY - EXTERIOR VENEER	LS	1.00	\$45,000.00	\$45,000.00	1.00	\$45,000.00	\$0.00
	9	CONCRETE UNIT MASONRY	LS	0.00	\$36,000.00	\$0.00	0.00	\$0.00	\$0.00
CO1	9A	CONCRETE UNIT MASONRY	LS	1.00	\$29,040.80	\$29,040.80	1.00	\$29,040.80	\$0.00
		<b>DIVISION 05 - METALS</b>							
	10	STRUCTURAL STEEL FRAMING	LS	1.00	\$22,000.00	\$22,000.00	1.00	\$22,000.00	\$0.00
		<b>DIVISION 06 - WOOD, PLASTICS &amp; COMPOSITES</b>							
	11	ROUGH & FINISH CARPENTRY	LS	1.00	\$39,000.00	\$39,000.00	0.00	\$0.00	(\$39,000.00)
CO2	11A	ROUGH & FINISH CARPENTRY	LS	0.00	\$40,196.89	\$0.00	1.00	\$40,196.89	\$40,196.89

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	12	WOOD ROOF TRUSSES & SHEATHING	LS	1.00	\$14,000.00	\$14,000.00	1.00	\$14,000.00	\$0.00
		<b>DIVISION 07 - THERMAL AND MOISTURE PROTECTION</b>							
	13	INSULATION	LS	1.00	\$6,000.00	\$6,000.00	0.00	\$0.00	(\$6,000.00)
CO2	13A	INSULATION	LS	0.00	\$4,780.00	\$0.00	1.00	\$4,780.00	\$4,780.00
	14	SHINGLE ROOFING SYSTEM	LS	1.00	\$8,500.00	\$8,500.00	1.00	\$8,500.00	\$0.00
	15	SHEET METAL FLASHING, GUTTERS, & DOWNSPOUTS	LS	1.00	\$3,300.00	\$3,300.00	1.00	\$3,300.00	\$0.00
	16	ARCHITECTURAL CAULKING & SEALANTS	LS	1.00	\$4,300.00	\$4,300.00	1.00	\$4,300.00	\$0.00
		<b>DIVISION 08 - OPENINGS</b>							
	17	DOORS, FRAMES, & HARDWARE	LS	1.00	\$6,000.00	\$6,000.00	1.00	\$6,000.00	\$0.00
	18	WINDOWS	LS	1.00	\$10,000.00	\$10,000.00	1.00	\$10,000.00	\$0.00
		<b>DIVISION 09 - FINISHES &amp; DIVISION 10 - SPECIALTIES</b>							
	19	PAINTING & COATING	LS	1.00	\$16,000.00	\$16,000.00	1.00	\$16,000.00	\$0.00
	20	GYPSUM BOARD & SPECIALTIES	LS	1.00	\$3,500.00	\$3,500.00	0.00	\$0.00	(\$3,500.00)
CO2	20A	GYPSUM BOARD & SPECIALTIES	LS	0.00	\$3,813.62	\$0.00	1.00	\$3,813.62	\$3,813.62
		<b>DIVISION 22 - PLUMBING</b>							
	21	PLUMBING	LS	1.00	\$28,000.00	\$28,000.00	1.00	\$28,000.00	\$0.00
	22	PLUMBING FIXTURES & DOMESTIC WATER HEATERS	LS	1.00	\$2,500.00	\$2,500.00	1.00	\$2,500.00	\$0.00
		<b>DIVISION 23 - HEATING, VENTILATING AND AIR-CONDITIONING</b>							
	23	HVAC EQUIPMENT, DUCTS, PIPING, & SUPPORTS	LS	1.00	\$57,000.00	\$57,000.00	0.00	\$0.00	(\$57,000.00)
CO2	23A	HVAC EQUIPMENT, DUCTS, PIPING, & SUPPORTS	LS	0.00	\$58,434.77	\$0.00	1.00	\$58,434.77	\$58,434.77
		<b>DIVISION 26 - ELECTRICAL</b>							
	24	ELECTRICAL HANGERS & SUPPORTS	LS	1.00	\$2,100.00	\$2,100.00	1.00	\$2,100.00	\$0.00
	25	WIRING & WIRING DEVICES	LS	1.00	\$35,000.00	\$35,000.00	1.00	\$35,000.00	\$0.00
	26	CONDUIT & UNDERGROUND DUCTS, INCLUDING ENCASEMENTS	LS	0.00	\$64,000.00	\$0.00	0.00	\$0.00	\$0.00
CO1	26A	CONDUIT & UNDERGROUND DUCTS, INCLUDING ENCASEMENTS	LS	1.00	\$59,734.69	\$59,734.69	0.00	\$0.00	(\$59,734.69)
CO2	26B	CONDUIT & UNDERGROUND DUCTS, INCLUDING ENCASEMENTS	LS	0.00	\$60,290.03	\$0.00	1.00	\$60,290.03	\$60,290.03

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	27	BOXES, DISTRIBUTION PANELS, & SWITCHES	LS	0.00	\$57,000.00	\$0.00	0.00	\$0.00	\$0.00
CO1	27A	BOXES, DISTRIBUTION PANELS, & SWITCHES	LS	1.00	\$54,352.95	\$54,352.95	1.00	\$54,352.95	\$0.00
	28	VARIABLE-FREQUENCY MOTOR CONTROLLERS	LS	0.00	\$170,000.00	\$0.00	0.00	\$0.00	\$0.00
CO1	28A	VARIABLE-FREQUENCY MOTOR CONTROLLERS	LS	1.00	\$136,676.98	\$136,676.98	1.00	\$136,676.98	\$0.00
	29	LIGHTING	LS	0.00	\$11,000.00	\$0.00	0.00	\$0.00	\$0.00
CO1	29A	LIGHTING	LS	1.00	\$6,899.68	\$6,899.68	1.00	\$6,899.68	\$0.00
		<b>DIVISION 31 - EARTHWORK</b>							
	30	SITE: EXCAVATION, BACKFILLING, & COMPACTING	LS	1.00	\$26,200.00	\$26,200.00	1.00	\$26,200.00	\$0.00
	31	BUILDING: EXCAVATION, BACKFILLING, & COMPACTING	LS	0.00	\$13,000.00	\$0.00	0.00	\$0.00	\$0.00
CO1	31A	BUILDING: EXCAVATION, BACKFILLING, & COMPACTING	LS	1.00	\$11,137.97	\$11,137.97	1.00	\$11,137.97	\$0.00
		<b>DIVISION 32 - EXTERIOR IMPROVEMENTS</b>							
	32	ASPHALT PAVING	LS	1.00	\$47,000.00	\$47,000.00	1.00	\$47,000.00	\$0.00
	33	CONCRETE CURB, GUTTERS, & SIDEWALK	LS	1.00	\$9,420.00	\$9,420.00	1.00	\$9,420.00	\$0.00
	34	FENCES & GATES	LS	0.00	\$51,000.00	\$0.00	0.00	\$0.00	\$0.00
CO1	34A	FENCES & GATES	LS	1.00	\$25,531.59	\$25,531.59	1.00	\$25,531.59	\$0.00
	35	SODDING	LS	1.00	\$25,900.00	\$25,900.00	1.00	\$25,900.00	\$0.00
	36	LANDSCAPING	LS	1.00	\$8,000.00	\$8,000.00	1.00	\$8,000.00	\$0.00
	37	IRRIGATION SYSTEMS	LS	1.00	\$2,000.00	\$2,000.00	1.00	\$2,000.00	\$0.00
	38	PARKING LOT PAINTING & BUMPER BLOCKS	LS	1.00	\$2,350.00	\$2,350.00	1.00	\$2,350.00	\$0.00
		<b>DIVISION 33 - UTILITIES</b>							
	39	16" (DR 14) SITE PIPING, DRAIN PIPING, TRENCHING, BACKFILL, VALVES, & APPURT.	LS	0.00	\$82,000.00	\$0.00	0.00	\$0.00	\$0.00
CO1	39A	16" (DR 14) SITE PIPING, DRAIN PIPING, TRENCHING, BACKFILL, VALVES, & APPURT.	LS	1.00	\$75,755.69	\$75,755.69	0.00	\$0.00	(\$75,755.69)
CO2	39B	16" (DR 14) SITE PIPING, DRAIN PIPING, TRENCHING, BACKFILL, VALVES, & APPURT.	LS	0.00	\$78,664.86	\$0.00	1.00	\$78,664.86	\$78,664.86
	40	WATER METERS	LS	1.00	\$14,000.00	\$14,000.00	1.00	\$14,000.00	\$0.00
	41	PRESSURE TESTING AND DISINFECTION OF PIPING	LS	1.00	\$11,100.00	\$11,100.00	1.00	\$11,100.00	\$0.00


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	42	SANITARY SEWER PIPING & APPURTENANCES, INCLUDING ENCASEMENTS	LS	1.00	\$3,000.00	\$3,000.00	1.00	\$3,000.00	\$0.00
		<b>DIVISION 40 - PROCESS INTEGRATION</b>							
	43	PROCESS ABOVE/BELOW GROUND PIPING, VALVES, & APPURTENANCES	LS	0.00	\$314,000.00	\$0.00	0.00	\$0.00	\$0.00
CO1	43A	PROCESS ABOVE/BELOW GROUND PIPING, VALVES, & APPURTENANCES	LS	1.00	\$291,865.27	\$291,865.27	0.00	\$0.00	(\$291,865.27)
CO2	43B	PROCESS ABOVE/BELOW GROUND PIPING, VALVES, & APPURTENANCES	LS	0.00	\$292,647.64	\$0.00	1.00	\$292,647.64	\$292,647.64
	44	SURGE CONTROL VALVES	LS	1.00	\$8,000.00	\$8,000.00	1.00	\$8,000.00	\$0.00
	45	I&C EQUIP. & HARDWARE PURCHASED FROM ICS BY CONTRACTOR	LS	1.00	\$31,479.00	\$31,479.00	1.00	\$31,479.00	\$0.00
	46	I&C EQUIP. & HARDWARE INSTALLED BY CONTR., CONTROLS WIRE & CONDUIT	LS	1.00	\$32,000.00	\$32,000.00	1.00	\$32,000.00	\$0.00
		<b>DIVISION 41 - MATERIAL PROCESSING AND HANDLING EQUIPMENT</b>							
	47	BRIDGE CRANE	LS	0.00	\$43,000.00	\$0.00	0.00	\$0.00	\$0.00
CO1	47A	BRIDGE CRANE	LS	1.00	\$20,274.86	\$20,274.86	1.00	\$20,274.86	\$0.00
		<b>DIVISION 43 - PROCESS GAS AND LIQUID HANDLING, PURIFICATION, AND STORAGE EQUIPMENT</b>							
	48	SPLIT CASE CENTRIFUGAL PUMPS	LS	0.00	\$210,000.00	\$0.00	0.00	\$0.00	\$0.00
CO1	48A	SPLIT CASE CENTRIFUGAL PUMPS	LS	1.00	\$195,969.36	\$195,969.36	1.00	\$195,969.36	\$0.00
		<b>SUBTOTAL</b>							
	49	BID ADJUSTMENT ITEM(1): ADD DEDUCT (Circle one)	LS	1.00	\$10,000.00	\$10,000.00	1.00	\$10,000.00	\$0.00
		<b>BID SCHEDULE 2</b>							
	50	MOBILIZATION	LS	1.00	\$69,000.00	\$69,000.00	1.00	\$69,000.00	\$0.00
	51	INCIDENTAL WORK	LS	1.00	\$44,000.00	\$44,000.00	1.00	\$44,000.00	\$0.00
	52	CONSTRUCTION STAKING	LS	1.00	\$6,000.00	\$6,000.00	1.00	\$6,000.00	\$0.00
	53	TRAFFIC CONTROL	LS	1.00	\$10,000.00	\$10,000.00	1.00	\$10,000.00	\$0.00

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	54	SEDIMENT CONTROL WATTLE (SCW), 9" DIAMETER	LF	328.00	\$3.00	\$984.00	328.00	\$984.00	\$0.00
	55	REMOVE SEDIMENT CONTROL WATTLE	LF	328.00	\$1.00	\$328.00	328.00	\$328.00	\$0.00
	56	TEMPORARY GRAVEL SURFACING, 1" BASE COURSE	TON	75.00	\$22.00	\$1,650.00	75.00	\$1,650.00	\$0.00
	57	UNCLASSIFIED EXCAVATION - DIGOUTS WITH TYPE 4 FOUNDATION MATERIAL	CY	50.00	\$12.00	\$600.00	50.00	\$600.00	\$0.00
	58	IMPORTED BACKFILL MATERIAL (TRENCH)	CY	100.00	\$10.00	\$1,000.00	100.00	\$1,000.00	\$0.00
	59	IMPORTED BACKFILL MATERIAL (GRADING)	CY	200.00	\$10.00	\$2,000.00	200.00	\$2,000.00	\$0.00
	60	TYPE I BEDDING	TON	200.00	\$17.00	\$3,400.00	200.00	\$3,400.00	\$0.00
	61	TYPE II FOUNDATION MATERIAL	TON	150.00	\$17.00	\$2,550.00	150.00	\$2,550.00	\$0.00
	62	TYPE III FOUNDATION MATERIAL	TON	100.00	\$17.00	\$1,700.00	100.00	\$1,700.00	\$0.00
	63	TYPE IV FOUNDATION MATERIAL	TON	100.00	\$17.00	\$1,700.00	100.00	\$1,700.00	\$0.00
	64	CONTROLLED LOW STRENGTH BACKFILL MATERIAL TRENCH	CY	50.00	\$120.00	\$6,000.00	50.00	\$6,000.00	\$0.00
	65	AASHTO T-180 SOIL TEST	EA	2.00	\$400.00	\$800.00	2.00	\$800.00	\$0.00
	66	CLEARING AND GRUBBING, STUMP	EA	1.00	\$1,250.00	\$1,250.00	1.00	\$1,250.00	\$0.00
	67	CLEARING AND GRUBBING	LS	1.00	\$6,000.00	\$6,000.00	1.00	\$6,000.00	\$0.00
	68	DEMO VARIABLE HEIGHT RETAINING WALL	LF	19.00	\$90.00	\$1,710.00	19.00	\$1,710.00	\$0.00
	69	REMOVE ACC PAVEMENT, INCLUDING SAWCUTTING	SY	9.00	\$40.00	\$360.00	9.00	\$360.00	\$0.00
	70	REMOVE PCC PANELS, INCLUDING SAWCUTTING	SY	112.00	\$20.00	\$2,240.00	112.00	\$2,240.00	\$0.00
	71	REMOVE PCC SIDEWALK, INCLUDING SAWCUTTING	SF	942.00	\$2.00	\$1,884.00	942.00	\$1,884.00	\$0.00
	72	REMOVE PCC FILLET, INCLUDING SAWCUTTING	SY	4.80	\$50.00	\$240.00	4.80	\$240.00	\$0.00
	73	REMOVE TYPE B66 CURB AND GUTTER, INCLUDING SAWCUTTING	SY	21.80	\$40.00	\$872.00	21.80	\$872.00	\$0.00
	74	REMOVE EXISTING BOOSTER STATION SHED, CONCRETE BASE AND APPURTANCES, BACKFILL	LS	1.00	\$4,000.00	\$4,000.00	1.00	\$4,000.00	\$0.00
	75	REMOVE FIRE HYDRANT AUX. VALVE AND LEAD	EA	2.00	\$1,100.00	\$2,200.00	2.00	\$2,200.00	\$0.00
	76	REMOVE WATER VALVE AND BOX, 20"	EA	2.00	\$500.00	\$1,000.00	2.00	\$1,000.00	\$0.00

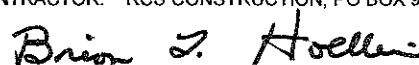
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	77	REMOVE WATER VALVE AND BOX, 16"	EA	3.00	\$500.00	\$1,500.00	3.00	\$1,500.00	\$0.00
	78	REMOVE WATER VALVE AND BOX, 8"	EA	1.00	\$500.00	\$500.00	1.00	\$500.00	\$0.00
	79	REMOVE WATER VALVE AND BOX, 6"	EA	3.00	\$500.00	\$1,500.00	3.00	\$1,500.00	\$0.00
	80	ABANDON 16-INCH AC WATER MAIN IN-PLACE, GROUT ANNULUS WITH 500 PSI FLOWABLE FILL	LF	45.00	\$58.00	\$2,610.00	45.00	\$2,610.00	\$0.00
	81	CONNECT TO EXISTING WATER MAIN	EA	6.00	\$1,400.00	\$8,400.00	6.00	\$8,400.00	\$0.00
	82	6" PVC WATER MAIN, AWWA C-900, (DR 18)	LF	10.00	\$180.00	\$1,800.00	10.00	\$1,800.00	\$0.00
	83	8" PVC WATER MAIN, AWWA C-900, (DR 18)	LF	49.00	\$80.00	\$3,920.00	49.00	\$3,920.00	\$0.00
	84	12" PVC WATER MAIN, AWWA C-900, (DR 18), RESTRAINED JOINT	LF	435.00	\$70.00	\$30,450.00	435.00	\$30,450.00	\$0.00
	85	16" PVC WATER MAIN, AWWA C-900, (DR 18)	LF	3.00	\$500.00	\$1,500.00	3.00	\$1,500.00	\$0.00
	86	20" DIP CASING END SEAL	EA	2.00	\$400.00	\$800.00	2.00	\$800.00	\$0.00
	87	20" DIP CASING SPACERS	EA	26.00	\$280.00	\$7,280.00	26.00	\$7,280.00	\$0.00
	88	60-LB ZINC GALVANIC ANODE AT CASING	EA	2.00	\$350.00	\$700.00	2.00	\$700.00	\$0.00
	89	AIR BLOWN SAND IN 20" DIP CASING	CY	8.00	\$100.00	\$800.00	8.00	\$800.00	\$0.00
	90	12" GATE VALVE WITH BOX	EA	4.00	\$2,800.00	\$11,200.00	4.00	\$11,200.00	\$0.00
	91	8" GATE VALVE WITH BOX	EA	1.00	\$1,700.00	\$1,700.00	1.00	\$1,700.00	\$0.00
	92	16" 90 DEGREE BEND	EA	1.00	\$1,700.00	\$1,700.00	1.00	\$1,700.00	\$0.00
	93	12" 45 DEGREE BEND	EA	2.00	\$850.00	\$1,700.00	2.00	\$1,700.00	\$0.00
	94	12" 11.25 DEGREE BEND	EA	2.00	\$800.00	\$1,600.00	2.00	\$1,600.00	\$0.00
	95	12" HIGH DEFLECTION COUPLING	EA	2.00	\$700.00	\$1,400.00	2.00	\$1,400.00	\$0.00
	96	8" 45 DEGREE BEND	EA	2.00	\$450.00	\$900.00	2.00	\$900.00	\$0.00
	97	20" X 16" REDUCER	EA	1.00	\$1,600.00	\$1,600.00	1.00	\$1,600.00	\$0.00
	98	16" X 12" REDUCER	EA	1.00	\$850.00	\$850.00	1.00	\$850.00	\$0.00
	99	12" X 8" REDUCER	EA	1.00	\$500.00	\$500.00	1.00	\$500.00	\$0.00
	100	8" X 6" REDUCER	EA	1.00	\$350.00	\$350.00	1.00	\$350.00	\$0.00
	101	6" M.J. PLUG	EA	2.00	\$200.00	\$400.00	2.00	\$400.00	\$0.00
	102	12" X 8" X 12" TEE	EA	2.00	\$1,050.00	\$2,100.00	2.00	\$2,100.00	\$0.00
	103	12" X 6" X 12" TEE	EA	2.00	\$900.00	\$1,800.00	2.00	\$1,800.00	\$0.00
	104	FIRE HYDRANT WITH AUX. VALVE, BOX AND LEAD	EA	2.00	\$4,600.00	\$9,200.00	2.00	\$9,200.00	\$0.00

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	105	CORROSION PROTECTION TEST STATION	EA	4.00	\$250.00	\$1,000.00	4.00	\$1,000.00	\$0.00
	106	TRACER WIRE BOX	EA	3.00	\$125.00	\$375.00	3.00	\$375.00	\$0.00
	107	INSULATE WATER MAIN PER RAPID CITY STD. DETAIL 11-1	SF	656.00	\$2.50	\$1,640.00	656.00	\$1,640.00	\$0.00
	108	ACC PAVING MOBILIZATION	EA	1.00	\$500.00	\$500.00	1.00	\$500.00	\$0.00
	109	ASPHALT CONCRETE, GLASS G, TYPE 1, PG64-28	TON	3.00	\$466.67	\$1,400.01	3.00	\$1,400.01	\$0.00
	110	AGGREGATE BASE COURSE, 1"	TON	55.00	\$35.00	\$1,925.00	55.00	\$1,925.00	\$0.00
	111	TYPE B66 CURB AND GUTTER	LF	78.00	\$30.00	\$2,340.00	78.00	\$2,340.00	\$0.00
	112	PCC FILLET, 6" NONREINFORCED	SY	4.80	\$90.00	\$432.00	4.80	\$432.00	\$0.00
	113	PCC SIDEWALK, 4" NONREINFORCED	SF	856.00	\$5.50	\$4,708.00	856.00	\$4,708.00	\$0.00
	114	PCC PAVEMENT, 8" NONREINFORCED, W/ DOWELS AND TIE BARS	SY	112.00	\$100.00	\$11,200.00	112.00	\$11,200.00	\$0.00
	115	DETECTABLE WARNING PANEL	SF	16.00	\$60.00	\$960.00	16.00	\$960.00	\$0.00
	116	6" DIAMETER PIPE UNDERDRAIN (DETAIL 64-1)	LF	78.00	\$8.00	\$624.00	78.00	\$624.00	\$0.00
	117	CONNECT TO EXISTING EDGE DRAIN	EA	4.00	\$120.00	\$480.00	4.00	\$480.00	\$0.00
	118	SODDING	SY	518.00	\$11.00	\$5,698.00	518.00	\$5,698.00	\$0.00
	119	TOPSOIL, PLACE 5" THICK (INCLUDING 1" INCORPORATED 3/8" SCREEN COMPOST)	CY	72.00	\$35.00	\$2,520.00	72.00	\$2,520.00	\$0.00
		<b>TOTAL</b>				<b>\$2,079,318.85</b>		<b>\$2,085,483.44</b>	<b>\$6,164.59</b>


C.C.O. HISTORY INCREASE/(DECREASE)		PRIOR ADJUSTED CONTRACT PRICE :	\$2,079,318.85
CCO #1	(\$143,760.16)	NET INCREASE/(DECREASE):	\$6,164.59
CCO #2	\$6,164.59	ADJUSTED CONTRACT PRICE:	\$2,085,483.44
	\$0.00	CHANGE TO DATE:	(\$137,595.57)

 2/4/2016


CONTRACTOR: RCS CONSTRUCTION, PO BOX 9337, RAPID CITY SD 57709 DATE

 3/2/16

CONSULTANT: BARTLETT & WEST DATE

 3/3/2016

PROJECT MANAGER: MORGAN CASLIANO, P.E. DATE

 3-4-16

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

MAYOR: STEVE ALLENDER DATE

FINANCE: PAULINE SUMPTION DATE

CONTRACT TIME CHANGE +/-: + NEW CONTRACT TIME: Milestone 1: April 28, 2016; Milestone 2: July 28, 2016

City Staff recommends approval of this Change Order #2 to RCS Construction for an increase of \$6,164.59 based on unit pricing with the following appropriation:

Initial Funding		\$2,223,079.01				\$2,223,079.01
Fund Type		Water				
Department		0933				
Line Item		4381				
Fund		0602				
CCO #1		(\$143,760.16)				(\$143,760.16)
CCO #2		\$6,164.59				\$6,164.59
						\$0.00
Adjusted Funding		\$2,085,483.44			\$2,085,483.44	\$2,085,483.44



**CITY OF RAPID CITY CONSTRUCTION CHANGE ORDER #2**  
**North Rapid Booster Station Reconstruction**  
**PROJECT NO. 13-2080 / CIP NO. 50812.A**  
**MARCH 1, 2016**  
**ORIGINAL CONTRACT AMOUNT: \$2,223,079.01**  
**CONTRACTOR: R.C.S. CONSTRUCTION, INC.**

LINE ITEM	DESCRIPTION	REASON FOR CHANGE
7A	CAST-IN-PLACE BUILDING CONCRETE & REINFORCEMENT	STOOP SLAB MODIFICATION: THE THICKNESS OF THE FRONT DOOR STOOP IS NECESSARY TO ACCOMMODATE THE NEED TO DRIVE A TRUCK OVER THE STOOP AND INTO THE BUILDING DOOR IN ORDER TO ACCESS THE BRIDGE CRANE TO OFF LOAD AND UP LOAD EQUIPMENT SUCH AS PUMPS.
11A	ROUGH & FINISH CARPENTRY	RESTROOM WALLS/CEILING MATERIALS: THERE WAS NO NOTE IN THE CONTRACT DOCUMENTS TO PAINT THE OUTER FACE OF THE RESTROOM OR THE PLYWOOD SHEATHING. FOUR ALTERNATIVE OPTIONS WERE PROVIDED FOR MATERIALS AND COATINGS. OPTION 23B WAS SELECTED.  FINISH AT CEILING TO WALL INTERSECTION - PROVIDE A 1X4 TRIM BOARD THAT IS PAINTED PER SYSTEM 26 IN 099000. COLOR TO MATCH THE CEILING.: TO CREATE A MORE FINISHED APPEARANCE, ADDED A PAINTED TRIM BOARD ALONG PORTIONS OF THE EAST WALL, AND SOUTH WALL.
13A	INSULATION	FOUNDATION FOAM BOARD CHANGE: AT THE TIME OF INSTALLATION, THE SPECIFIED INSULATION MATERIAL WAS NOT AVAILABLE FROM THE LOCAL SUPPLIER. RFI WAS SENT IN BY THE CONTRACTOR REQUESTING AN ALLOWANCE FOR USING AN ALTERNATE MATERIAL. THIS PRODUCT WAS SUBMITTED IN A REVISED SUBMITTAL. MATERIAL WAS REVIEWED AND APPROVED BY ENGINEER FOR THE DESIGN.
20A	GYPSON BOARD & SPECIALTIES	SIGN CHANGE: ACCORDING TO THE CITY BUILDING PERMIT, THE HEIGHT OF THE ADDRESS LETTERS ON THE BUILDING SHOULD BE AT LEAST 12" IN HEIGHT. PLAN CALLED FOR SMALLER LETTERING.
23A	HVAC EQUIPMENT, DUCTS, PIPING, & SUPPORTS	ADDITIONAL ALUMA FIT PIPE CONCEALMENT SYSTEM: ALUMA-FIT WAS SHOWN ON PLANS TO COVER EXPOSED PIPING. PLAN DID NOT SHOW ALUMA-FIT ON EAST WALL AND PARTIALLY ON NORTH WALL TO HVAC UNITS. ADDED ALUMA-FIT COVERING OVER THE HVAC PIPING ON EAST AND NORTH WALL.
26B	CONDUIT & UNDERGROUND DUCTS, INCLUDING ENGAGEMENTS	POWER TO FLOWMETER: PLANS DID NOT SHOW POWER TO FLOWMETER. POWER IS REQUIRED. THE ELECTRICAL FEED REQUIRES A 1 AMP, QUICK ACTING FUSE (BUSSMAN AGCI) FOR OVERCURRENT PROTECTION.
39B	16" (DR 14) SITE PIPING, DRAIN PIPING, TRENCHING, BACKFILL, VALVES, & APPURT.	DISCHARGE LINE CONNECTION: A FIRE HYDRANT NEEDED TO BE REMOVED AND RELOCATED ALONG THE DISCHARGE SITE PIPING. CHANGE IN FITTINGS FROM WHAT WAS SHOWN IN PLANS WAS REQUIRED.
43B	PROCESS ABOVE/BELOW GROUND PIPING, VALVES, & APPURTENANCES	CATHODIC PROTECTION: THE CITY CRITERIA REQUIRES THAT THE RETAINER GLANDS ALSO BE CATHODICALLY PROTECTED WITH #12 JUMPER WIRES BETWEEN RETAINER GLAND AND FITTING, REGARDLESS OF WHETHER THEY HAVE PREVIOUSLY PASSED A CONTINUITY TEST WITHOUT THEM.  HALF INCH SNUBBERS FOR TRANSDUCERS: PER THE CITY'S REQUEST, ADDED TWO 1/2" SNUBBERS AND DELETED EIGHT 1/4" SNUBBERS. THE EIGHT SNUBBERS THAT WILL NO LONGER BE USED WILL BE RETURNED TO THE CITY FOR FUTURE USE.

PREPARED BY: MORGAN GAGLIANO, P.E. AND BRIAN HOELLEIN, P.E., BARTLETT & WEST

DATE: MARCH 1, 2016

FUNDING TYPE		Water	
COST CENTER		0933	
LINE ITEM		4381	
FUND		0602	
ITEM NO.	DESCRIPTION OF ITEM	AMOUNT	PERCENT
	BID SCHEDULE 1	0.00	100%
	DIVISION 01 - GENERAL REQUIREMENTS	0.00	100%
1	MOBILIZATION, BONDS, INSURANCE, PERMITS, INCIDENTAL WORK	0.00	100%
2	SUBMITTALS, TEMP. FACILITIES & CONTROLS, CONST STAKING, RE-ESTAB. PROP CORNERS	0.00	100%
3	TRAFFIC CONTROL	0.00	100%
4	EROSION & SEDIMENT CONTROL	0.00	100%
5	START-UP, OPERATION & MAINTENANCE DATA, TRAINING, CLOSEOUT	0.00	100%
	DIVISION 02 - EXISTING CONDITIONS	0.00	100%
6	SITE DEMOLITION, CLEARING, & REMOVALS	0.00	100%
	DIVISION 03 - CONCRETE	0.00	100%
7	CAST-IN-PLACE BUILDING CONCRETE & REINFORCEMENT	-43,000.00	100%
7A	CAST-IN-PLACE BUILDING CONCRETE & REINFORCEMENT	43,192.43	100%
	DIVISION 04 - MASONRY	0.00	100%
8	BRICK MASONRY - EXTERIOR VENEER	0.00	100%
9	CONCRETE UNIT MASONRY	0.00	100%
9A	CONCRETE UNIT MASONRY	0.00	100%
	DIVISION 05 - METALS	0.00	100%
10	STRUCTURAL STEEL FRAMING	0.00	100%
	DIVISION 06 - WOOD, PLASTICS & COMPOSITES	0.00	100%
11	ROUGH & FINISH CARPENTRY	-39,000.00	100%
11A	ROUGH & FINISH CARPENTRY	40,196.89	100%
12	WOOD ROOF TRUSSES & SHEATHING	0.00	100%
	DIVISION 07 - THERMAL AND MOISTURE PROTECTION	0.00	100%
13	INSULATION	-6,000.00	100%

13A	INSULATION	4,780.00	100%
14	SHINGLE ROOFING SYSTEM	0.00	100%
15	SHEET METAL FLASHING, GUTTERS, & DOWNSPOUTS	0.00	100%
16	ARCHITECTURAL CAULKING & SEALANTS	0.00	100%
	DIVISION 08 - OPENINGS	0.00	100%
17	DOORS, FRAMES, & HARDWARE	0.00	100%
18	WINDOWS	0.00	100%
	DIVISION 09 - FINISHES & DIVISION 10 - SPECIALTIES	0.00	100%
19	PAINTING & COATING	0.00	100%
20	GYPSUM BOARD & SPECIALTIES	-3,500.00	100%
20A	GYPSUM BOARD & SPECIALTIES	3,813.62	100%
	DIVISION 22 - PLUMBING	0.00	100%
21	PLUMBING	0.00	100%
22	PLUMBING FIXTURES & DOMESTIC WATER HEATERS	0.00	100%
	DIVISION 23 - HEATING, VENTILATING AND AIR- CONDITIONING	0.00	100%
23	HVAC EQUIPMENT, DUCTS, PIPING, & SUPPORTS	-57,000.00	100%
23A	HVAC EQUIPMENT, DUCTS, PIPING, & SUPPORTS	58,434.77	100%
	DIVISION 26 - ELECTRICAL	0.00	100%
24	ELECTRICAL HANGERS & SUPPORTS	0.00	100%
25	WIRING & WIRING DEVICES	0.00	100%
26	CONDUIT & UNDERGROUND DUCTS, INCLUDING ENCASEMENTS	0.00	100%
26A	CONDUIT & UNDERGROUND DUCTS, INCLUDING ENCASEMENTS	-59,734.69	100%
26B	CONDUIT & UNDERGROUND DUCTS, INCLUDING ENCASEMENTS	60,290.03	100%
27	BOXES, DISTRIBUTION PANELS, & SWITCHES	0.00	100%
27A		0.00	100%
28	VARIABLE-FREQUENCY MOTOR CONTROLLERS	0.00	100%
28A		0.00	100%
29	LIGHTING	0.00	100%
29A		0.00	100%
	DIVISION 31 - EARTHWORK	0.00	100%

30	SITE: EXCAVATION, BACKFILLING, & COMPACTING	0.00	100%
31	BUILDING: EXCAVATION, BACKFILLING, & COMPACTING	0.00	100%
31A		0.00	100%
	DIVISION 32 - EXTERIOR IMPROVEMENTS	0.00	100%
32	ASPHALT PAVING	0.00	100%
33	CONCRETE CURB, GUTTERS, & SIDEWALK	0.00	100%
34	FENCES & GATES	0.00	100%
34A		0.00	100%
35	SODDING	0.00	100%
36	LANDSCAPING	0.00	100%
37	IRRIGATION SYSTEMS	0.00	100%
38	PARKING LOT PAINTING & BUMPER BLOCKS	0.00	100%
	DIVISION 33 - UTILITIES	0.00	100%
39	16" (DR 14) SITE PIPING, DRAIN PIPING, TRENCHING, BACKFILL, VALVES, & APPURT.	0.00	100%
39A	16" (DR 14) SITE PIPING, DRAIN PIPING, TRENCHING, BACKFILL, VALVES, & APPURT.	-75,755.69	100%
39B	16" (DR 14) SITE PIPING, DRAIN PIPING, TRENCHING, BACKFILL, VALVES, & APPURT.	78,664.86	100%
40	WATER METERS	0.00	100%
41	PRESSURE TESTING AND DISINFECTION OF PIPING	0.00	100%
42	SANITARY SEWER PIPING & APPURTENANCES, INCLUDING ENCASEMENTS	0.00	100%
	DIVISION 40 - PROCESS INTEGRATION	0.00	100%
43	PROCESS ABOVE/BELOW GROUND PIPING, VALVES, & APPURTENANCES	0.00	100%
43A	PROCESS ABOVE/BELOW GROUND PIPING, VALVES, & APPURTENANCES	-291,865.27	100%
43B	PROCESS ABOVE/BELOW GROUND PIPING, VALVES, & APPURTENANCES	292,647.64	100%
44	SURGE CONTROL VALVES	0.00	100%
45	I&C EQUIP. & HARDWARE PURCHASED FROM ICS BY CONTRACTOR	0.00	100%

46	I&C EQUIP. & HARDWARE INSTALLED BY CONTR., CONTROLS WIRE & CONDUIT	0.00	100%
	DIVISION 41 - MATERIAL PROCESSING AND HANDLING EQUIPMENT	0.00	100%
47	BRIDGE CRANE	0.00	100%
47A		0.00	100%
	DIVISION 43 - PROCESS GAS AND LIQUID HANDLING, PURIFICATION, AND STORAGE EQUIPMENT	0.00	100%
48	SPLIT CASE CENTRIFUGAL PUMPS	0.00	100%
48A	SPLIT CASE CENTRIFUGAL PUMPS	0.00	100%
	SUBTOTAL	0.00	100%
49	BID ADJUSTMENT ITEM(1): ADD DEDUCT (Circle one)	0.00	100%
50	MOBILIZATION	0.00	100%
51	INCIDENTAL WORK	0.00	100%
52	CONSTRUCTION STAKING	0.00	100%
53	TRAFFIC CONTROL	0.00	100%
54	SEDIMENT CONTROL WATTLE (SCW), 9" DIAMETER	0.00	100%
55	REMOVE SEDIMENT CONTROL WATTLE	0.00	100%
56	TEMPORARY GRAVEL SURFACING, 1" BASE COURSE	0.00	100%
57	UNCLASSIFIED EXCAVATION - DIGOUTS WITH TYPE 4 FOUNDATION MATERIAL	0.00	100%
58	IMPORTED BACKFILL MATERIAL (TRENCH)	0.00	100%
59	IMPORTED BACKFILL MATERIAL (GRADING)	0.00	100%
60	TYPE I BEDDING	0.00	100%
61	TYPE II FOUNDATION MATERIAL	0.00	100%
62	TYPE III FOUNDATION MATERIAL	0.00	100%
63	TYPE IV FOUNDATION MATERIAL	0.00	100%
64	CONTROLLED LOW STRENGTH BACKFILL MATERIAL TRENCH	0.00	100%
65	AASHTO T-180 SOIL TEST	0.00	100%
66	CLEARING AND GRUBBING, STUMP	0.00	100%
67	CLEARING AND GRUBBING	0.00	100%
68	DEMO VARIABLE HEIGHT RETAINING WALL	0.00	100%

69	REMOVE ACC PAVEMENT, INCLUDING SAWCUTTING	0.00	100%
70	REMOVE PCC PANELS, INCLUDING SAWCUTTING	0.00	100%
71	REMOVE PCC SIDEWALK, INCLUDING SAWCUTTING	0.00	100%
72	REMOVE PCC FILLET, INCLUDING SAWCUTTING	0.00	100%
73	REMOVE TYPE B66 CURB AND GUTTER, INCLUDING SAWCUTTING	0.00	100%
74	STATION SHED, CONCRETE BASE AND APPURTANCES, BACKFILL	0.00	100%
75	REMOVE FIRE HYDRANT AUX. VALVE AND LEAD	0.00	100%
76	REMOVE WATER VALVE AND BOX, 20"	0.00	100%
77	REMOVE WATER VALVE AND BOX, 16"	0.00	100%
78	REMOVE WATER VALVE AND BOX, 8"	0.00	100%
79	REMOVE WATER VALVE AND BOX, 6"	0.00	100%
80	ABANDON 16-INCH AC WATER MAIN IN-PLACE, GROUT ANNULUS WITH 500 PSI FLOWABLE FILL	0.00	100%
81	CONNECT TO EXISTING WATER MAIN	0.00	100%
82	6" PVC WATER MAIN, AWWA C-900, (DR 18)	0.00	100%
83	8" PVC WATER MAIN, AWWA C-900, (DR 18)	0.00	100%
84	12" PVC WATER MAIN, AWWA C-900, (DR 18), RESTRAINED JOINT	0.00	100%
85	16" PVC WATER MAIN, AWWA C-900, (DR 18)	0.00	100%
86	20" DIP CASING END SEAL	0.00	100%
87	20" DIP CASING SPACERS	0.00	100%
88	60-LB ZINC GALVANIC ANODE AT CASING	0.00	100%
89	AIR BLOWN SAND IN 20" DIP CASING	0.00	100%
90	12" GATE VALVE WITH BOX	0.00	100%
91	8" GATE VALVE WITH BOX	0.00	100%
92	16" 90 DEGREE BEND	0.00	100%
93	12" 45 DEGREE BEND	0.00	100%
94	12" 11.25 DEGREE BEND	0.00	100%
95	12" HIGH DEFLECTION COUPLING	0.00	100%

96	8" 45 DEGREE BEND	0.00	100%
97	20" X 16" REDUCER	0.00	100%
98	16" X 12" REDUCER	0.00	100%
99	12" X 8" REDUCER	0.00	100%
100	8" X 6" REDUCER	0.00	100%
101	6" M.J. PLUG	0.00	100%
102	12" X 8" X 12" TEE	0.00	100%
103	12" X 6" X 12" TEE	0.00	100%
104	FIRE HYDRANT WITH AUX. VALVE, BOX AND LEAD	0.00	100%
105	CORROSION PROTECTION TEST STATION	0.00	100%
106	TRACER WIRE BOX	0.00	100%
107	INSULATE WATER MAIN PER RAPID CITY STD. DETAIL 11-1	0.00	100%
108	ACC PAVING MOBILIZATION	0.00	100%
109	ASPHALT CONCRETE, GLASS G, TYPE 1, PG64-28	0.00	100%
110	AGGREGATE BASE COURSE, 1"	0.00	100%
111	TYPE B66 CURB AND GUTTER	0.00	100%
112	NONREINFORCED	0.00	100%
113	PCC SIDEWALK, 4" NONREINFORCED	0.00	100%
114	PCC PAVEMENT, 8" NONREINFORCED, W/ DOWELS AND TIE BARS	0.00	100%
115	DETECTABLE WARNING PANEL	0.00	0%
116	6" DIAMETER PIPE UNDERDRAIN (DETAIL 64-1)	0.00	0%
117	CONNECT TO EXISTING EDGE DRAIN	0.00	0%
118	SODDING	0.00	100%
119	TOPSOIL, PLACE 5" THICK (INCLUDING 1" INCORPORATED 3/8" SCREEN COMPOST)	0.00	100%
		\$6,164.59	