

CITY OF RAPID CITY CONSTRUCTION CHANGE ORDER #3F

North Rapid Booster Station Reconstruction

PROJECT NO. 13-2080 / CIP NO. 50812.A

JULY 8, 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
		BID SCHEDULE 1							
		DIVISION 01 - GENERAL REQUIREMENTS							
	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
		DIVISION 02 - EXISTING CONDITIONS							
	6	SITE DEMOLITION, CLEARING, & REMOVALS	LS	1.00	\$4,400.00	\$4,400.00	1.00	\$4,400.00	\$0.00
		DIVISION 03 - CONCRETE							
	7	CAST-IN-PLACE BUILDING CONCRETE & REINFORCEMENT	LS	0.00	\$43,000.00	\$0.00	0.00	\$0.00	\$0.00
CO2	7A	CAST-IN-PLACE BUILDING CONCRETE & REINFORCEMENT	LS	1.00	\$43,192.43	\$43,192.43	1.00	\$43,192.43	\$0.00
		DIVISION 04 - MASONRY							
	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
		DIVISION 05 - METALS							
	10	STRUCTURAL STEEL FRAMING	LS	1.00	\$22,000.00	\$22,000.00	1.00	\$22,000.00	\$0.00
		DIVISION 06 - WOOD, PLASTICS & COMPOSITES							
	11	ROUGH & FINISH CARPENTRY	LS	0.00	\$39,000.00	\$0.00	0.00	\$0.00	\$0.00
CO2	11A	ROUGH & FINISH CARPENTRY	LS	1.00	\$40,196.89	\$40,196.89	1.00	\$40,196.89	\$0.00
	12	WOOD ROOF TRUSSES & SHEATHING	LS	1.00	\$14,000.00	\$14,000.00	1.00	\$14,000.00	\$0.00
		DIVISION 07 - THERMAL AND MOISTURE PROTECTION							
	13	INSULATION	LS	0.00	\$6,000.00	\$0.00	0.00	\$0.00	\$0.00
CO2	13A	INSULATION	LS	1.00	\$4,780.00	\$4,780.00	1.00	\$4,780.00	\$0.00

	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
		DIVISION 08 - OPENINGS							
	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
		DIVISION 09 - FINISHES & DIVISION 10 - SPECIALTIES							
	19	PAINTING & COATING	LS	1.00	\$16,000.00	\$16,000.00	1.00	\$16,000.00	\$0.00
	20	GYPSUM BOARD & SPECIALTIES	LS	0.00	\$3,500.00	\$0.00	0.00	\$0.00	\$0.00
CO2	20A	GYPSUM BOARD & SPECIALTIES	LS	1.00	\$3,813.62	\$3,813.62	1.00	\$3,813.62	\$0.00
		DIVISION 22 - PLUMBING							
	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
		DIVISION 23 - HEATING, VENTILATING AND AIR- CONDITIONING							
	23	HVAC EQUIPMENT, DUCTS, PIPING, & SUPPORTS	LS	0.00	\$57,000.00	\$0.00	0.00	\$0.00	\$0.00
CO2	23A	HVAC EQUIPMENT, DUCTS, PIPING, & SUPPORTS	LS	1.00	\$58,434.77	\$58,434.77	1.00	\$58,434.77	\$0.00
		DIVISION 26 - ELECTRICAL							
	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	0.00	\$59,734.69	\$0.00	0.00	\$0.00	\$0.00
CO2	26B	CONDUIT & UNDERGROUND DUCTS, INCLUDING ENCASEMENTS	LS	1.00	\$60,290.03	\$60,290.03	1.00	\$60,290.03	\$0.00
	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
		DIVISION 31 - EARTHWORK							
	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
		DIVISION 32 - EXTERIOR IMPROVEMENTS							
	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	0.00	\$0.00	(\$25,531.59)
CO3	34B	FENCES & GATES	LS	0.00	\$26,188.88	\$0.00	1.00	\$26,188.88	\$26,188.88
	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	0.00	\$0.00	(\$8,000.00)
CO3	36A	LANDSCAPING	LS	0.00	\$17,129.97	\$0.00	1.00	\$17,129.97	\$17,129.97
	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
		DIVISION 33 - UTILITIES							
	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	0.00	\$75,755.69	\$0.00	0.00	\$0.00	\$0.00
CO2	39B	16" (DR 14) SITE PIPING, DRAIN PIPING, TRENCHING, BACKFILL, VALVES, & APPURT.	LS	1.00	\$78,664.86	\$78,664.86	1.00	\$78,664.86	\$0.00
	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
	42	SANITARY SEWER PIPING & APPURTENANCES, INCLUDING ENCASEMENTS	LS	1.00	\$3,000.00	\$3,000.00	1.00	\$3,000.00	\$0.00
		DIVISION 40 - PROCESS INTEGRATION							
	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	0.00	\$291,865.27	\$0.00	0.00	\$0.00	\$0.00
CO2	43B	PROCESS ABOVE/BELOW GROUND PIPING, VALVES, & APPURTENANCES	LS	1.00	\$292,647.64	\$292,647.64	1.00	\$292,647.64	\$0.00
	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
		DIVISION 41 - MATERIAL PROCESSING AND HANDLING EQUIPMENT							
	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
		DIVISION 43 - PROCESS GAS AND LIQUID HANDLING, PURIFICATION, AND STORAGE EQUIPMENT							
	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
		SUBTOTAL							
		(1) Bid Adjustment is provided for the Bidder's convenience to make last minute bid adjustments. Upon request the Bidder shall provide a breakdown as to which Bid Items the adjustment applies to within 24 hours of the request.	0.00	0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00
		BID SCHEDULE 2							
	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
CO3	54	SEDIMENT CONTROL WATTLE (SCW), 9" DIAMETER	LF	328.00	\$3.00	\$984.00	220.00	\$660.00	(\$324.00)
CO3	55	REMOVE SEDIMENT CONTROL WATTLE	LF	328.00	\$1.00	\$328.00	220.00	\$220.00	(\$108.00)
CO3	56	TEMPORARY GRAVEL SURFACING, 1" BASE COURSE	TON	75.00	\$22.00	\$1,650.00	39.14	\$861.08	(\$788.92)
CO3	57	UNCLASSIFIED EXCAVATION - DIGOUTS WITH TYPE 4 FOUNDATION MATERIAL	CY	50.00	\$12.00	\$600.00	0.00	\$0.00	(\$600.00)
CO3	58	IMPORTED BACKFILL MATERIAL (TRENCH)	CY	100.00	\$10.00	\$1,000.00	0.00	\$0.00	(\$1,000.00)
CO3	59	IMPORTED BACKFILL MATERIAL (GRADING)	CY	200.00	\$10.00	\$2,000.00	0.00	\$0.00	(\$2,000.00)
CO3	60	TYPE I BEDDING	TON	200.00	\$17.00	\$3,400.00	0.00	\$0.00	(\$3,400.00)
CO3	61	TYPE II FOUNDATION MATERIAL	TON	150.00	\$17.00	\$2,550.00	0.00	\$0.00	(\$2,550.00)
CO3	62	TYPE III FOUNDATION MATERIAL	TON	100.00	\$17.00	\$1,700.00	0.00	\$0.00	(\$1,700.00)
CO3	63	TYPE IV FOUNDATION MATERIAL	TON	100.00	\$17.00	\$1,700.00	0.00	\$0.00	(\$1,700.00)
CO3	64	CONTROLLED LOW STRENGTH BACKFILL MATERIAL TRENCH	CY	50.00	\$120.00	\$6,000.00	0.00	\$0.00	(\$6,000.00)
CO3	65	AASHTO T-180 SOIL TEST	EA	2.00	\$400.00	\$800.00	1.00	\$400.00	(\$400.00)
	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
CO3	69	REMOVE ACC PAVEMENT, INCLUDING SAWCUTTING	SY	9.00	\$40.00	\$360.00	12.40	\$496.00	\$136.00
CO3	70	REMOVE PCC PANELS, INCLUDING SAWCUTTING	SY	112.00	\$20.00	\$2,240.00	114.70	\$2,294.00	\$54.00
	71	REMOVE PCC SIDEWALK, INCLUDING SAWCUTTING	SF	942.00	\$2.00	\$1,884.00	942.00	\$1,884.00	\$0.00
CO3	72	REMOVE PCC FILLET, INCLUDING SAWCUTTING	SY	4.80	\$50.00	\$240.00	6.10	\$305.00	\$65.00
CO3	73	REMOVE TYPE B66 CURB AND GUTTER, INCLUDING SAWCUTTING	SY	21.80	\$40.00	\$872.00	23.90	\$956.00	\$84.00
	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
	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
CO3	82	6" PVC WATER MAIN, AWWA C- 900, (DR 18)	LF	10.00	\$180.00	\$1,800.00	12.00	\$2,160.00	\$360.00
CO3	83	8" PVC WATER MAIN, AWWA C- 900, (DR 18)	LF	49.00	\$80.00	\$3,920.00	37.00	\$2,960.00	(\$960.00)
CO3	84	12" PVC WATER MAIN, AWWA C- 900, (DR 18), RESTRAINED JOINT	LF	435.00	\$70.00	\$30,450.00	440.50	\$30,835.00	\$385.00
CO3	85	16" PVC WATER MAIN, AWWA C- 900, (DR 18)	LF	3.00	\$500.00	\$1,500.00	0.00	\$0.00	(\$1,500.00)
	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
CO3	92	16" 90 DEGREE BEND	EA	1.00	\$1,700.00	\$1,700.00	0.00	\$0.00	(\$1,700.00)
	93	12" 45 DEGREE BEND	EA	2.00	\$850.00	\$1,700.00	2.00	\$1,700.00	\$0.00
CO3	94	12" 11.25 DEGREE BEND	EA	2.00	\$800.00	\$1,600.00	0.00	\$0.00	(\$1,600.00)
CO3	95	12" HIGH DEFLECTION COUPLING	EA	2.00	\$700.00	\$1,400.00	0.00	\$0.00	(\$1,400.00)

	96	8" 45 DEGREE BEND	EA	2.00	\$450.00	\$900.00	2.00	\$900.00	\$0.00
CO3	97	20" X 16" REDUCER	EA	1.00	\$1,600.00	\$1,600.00	0.00	\$0.00	(\$1,600.00)
	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
CO3	105	CORROSION PROTECTION TEST STATION	EA	4.00	\$250.00	\$1,000.00	3.00	\$750.00	(\$250.00)
CO3	106	TRACER WIRE BOX	EA	3.00	\$125.00	\$375.00	4.00	\$500.00	\$125.00
CO3	107	INSULATE WATER MAIN PER RAPID CITY STD. DETAIL 11-1	SF	656.00	\$2.50	\$1,640.00	0.00	\$0.00	(\$1,640.00)
	108	ACC PAVING MOBILIZATION	EA	1.00	\$500.00	\$500.00	1.00	\$500.00	\$0.00
CO3	109	ASPHALT CONCRETE, GLASS G, TYPE 1, PG64-28	TON	3.00	\$466.67	\$1,400.01	4.00	\$1,866.68	\$466.67
CO3	110	AGGREGATE BASE COURSE, 1"	TON	55.00	\$35.00	\$1,925.00	61.50	\$2,152.50	\$227.50
CO3	111	TYPE B66 CURB AND GUTTER	LF	78.00	\$30.00	\$2,340.00	86.00	\$2,580.00	\$240.00
CO3	112	PCC FILLET, 6" NONREINFORCED	SY	4.80	\$90.00	\$432.00	6.10	\$549.00	\$117.00
	113	PCC SIDEWALK, 4" NONREINFORCED	SF	856.00	\$5.50	\$4,708.00	856.00	\$4,708.00	\$0.00
CO3	114	PCC PAVEMENT, 8" NONREINFORCED, W/ DOWELS AND TIE BARS	SY	112.00	\$100.00	\$11,200.00	114.70	\$11,470.00	\$270.00
CO3	115	DETECTABLE WARNING PANEL	SF	16.00	\$80.00	\$960.00	20.00	\$1,200.00	\$240.00
CO3	116	6" DIAMETER PIPE UNDERDRAIN (DETAIL 64-1)	LF	78.00	\$8.00	\$624.00	0.00	\$0.00	(\$624.00)
CO3	117	CONNECT TO EXISTING EDGE DRAIN	EA	4.00	\$120.00	\$480.00	0.00	\$0.00	(\$480.00)
CO3	118	SODDING	SY	518.00	\$11.00	\$5,698.00	633.00	\$6,963.00	\$1,265.00
CO3	119	TOPSOIL, PLACE 5" THICK (INCLUDING 1" INCORPORATED 3/8" SCREEN COMPOST)	CY	72.00	\$35.00	\$2,520.00	88.00	\$3,080.00	\$560.00
CO3	120	20" M.J. PLUG (SI #27, RFP #41)	EA	0.00	\$1,949.24	\$0.00	1	\$1,949.24	\$1,949.24
	TOTAL					\$2,085,483.44		\$2,089,480.19	(\$15,993.25)

C.C.O. HISTORY INCREASE/(DECREASE)		PRIOR ADJUSTED CONTRACT PRICE :	\$2,085,483.44
CCO #1	(\$143,760.16)	NET INCREASE/(DECREASE):	(\$15,993.25)
CCO #2	\$6,164.59	ADJUSTED CONTRACT PRICE:	\$2,069,490.19
CCO #3F	(\$15,993.25)	CHANGE TO DATE:	(\$153,588.82)

<u>Joseph Scull</u>	<u>7/19/16</u>
CONTRACTOR: RCS CONSTRUCTION, PO BOX 9337, RAPID CITY SD 57709	DATE
<u>Brian J. Hollen</u>	<u>7/15/16</u>
CONSULTANT: BARLETT & WEST	DATE
<u>[Signature]</u>	<u>7/19/16</u>
PROJECT MANAGER: <u>Falcone</u> MORGAN GAGLIANO, P.E.	DATE
<u>[Signature]</u>	<u>7-19-16</u>
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 #3F to RCS Construction for an decrease of \$15,993.25 based on unit pricing

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
CCO #3		(\$15,993.25)				(\$15,993.25)
Adjusted Funding		\$2,069,490.19			\$2,069,490.19	\$2,069,490.19

CITY OF RAPID CITY CONSTRUCTION CHANGE ORDER #3F
 North Rapid Booster Station Reconstruction
 PROJECT NO. 13-2080 / CIP NO. 50812.A
 JULY 8, 2016

ORIGINAL CONTRACT AMOUNT: \$2,223,079.01

CONTRACTOR: R.C.S. CONSTRUCTION, INC.

LINE ITEM	DESCRIPTION	REASON FOR CHANGE
120	20" MJ PLUG	EXISTING TAPPING VALVE IS TOO CLOSE TO EXISTING 20" WATER MAIN AT STATION 4+76.52. PROPOSED CHANGE TO REMOVE PROPOSED 90 DEGREE BEND AND REDUCER AND INSTALL 20" M.I. PLUG INSTEAD
34B	FENCES & GATES	V TRACK TYPE SPECIFIED WORKS BEST WHEN INSTALLED ON A FLAT CONCRETE SURFACE. THE GATE OPENING IS ACTUALLY OVER ASPHALT, AND THE ASPHALT HAS A SLIGHT SLOPE/CROWN WHERE THE GATE IS LOCATED SO A DOUBLE WHEEL TYPE WILL WORK BETTER. ALSO THE DOUBLE WHEEL TYPE IS ANTICIPATED TO WORK BETTER IN SNOWY CONDITIONS.
36A	LANDSCAPING	PROPOSED SLOPE OF GROUND SURFACE AND NO IRRIGATION ON THE WEST SIDE OF THE BUILDING COULD PROVE DIFFICULT FOR OPERATIONS TO MAINTAIN AND KEEP ALIVE. ALSO BIGGER PLANTS WOULD BETTER SHIELD THE TRANSFORMER FROM VIEW ON ANAMOSA STREET TO IMPROVE CURB APPEAL. CHANGES INCLUDE CONSTRUCTION OF A RETAINING WALL, ADDITION OF IRRIGATION TO THE WEST SIDE OF THE BUILDING, AND LANDSCAPING CHANGES FOR BIGGER TREES AND SHRUBS.
54	SEDIMENT CONTROL WATTLE (SCW), 9" DIAMETER	ACTUAL QUANTITY INSTALLED
55	REMOVE SEDIMENT CONTROL WATTLE	ACTUAL QUANTITY INSTALLED
56	TEMPORARY GRAVEL SURFACING, 1" BASE COURSE	ACTUAL QUANTITY INSTALLED
57	UNCLASSIFIED EXCAVATION - DIGOUTS WITH TYPE 4 FOUNDATION MATERIAL	NOT USED
58	IMPORTED BACKFILL MATERIAL (TRENCH)	NOT USED
59	IMPORTED BACKFILL MATERIAL (GRADING)	NOT USED
60	TYPE I BEDDING	NOT USED
61	TYPE II FOUNDATION MATERIAL	NOT USED
62	TYPE III FOUNDATION MATERIAL	NOT USED
63	TYPE IV FOUNDATION MATERIAL	NOT USED
64	CONTROLLED LOW STRENGTH BACKFILL MATERIAL TRENCH	NOT USED
65	AASHTO T-180 SOIL TEST	ACTUAL QUANTITY USED
69	REMOVE ACC PAVEMENT, INCLUDING SAWCUTTING	ADDITIONAL PATCH WAS REMOVED TO MAKE TRANSITION BETWEEN ACC PAVEMENT AND PCC PAVEMENT SMOOTHER
70	REMOVE PCC PANELS, INCLUDING SAWCUTTING	ACTUAL QUANTITY

72	REMOVE PCC FILLET, INCLUDING SAWCUTTING	ACTUAL QUANTITY
73	REMOVE TYPE B66 CURB AND GUTTER, INCLUDING SAWCUTT	ACTUAL QUANTITY
82	6" PVC WATER MAIN, AWWA C-900, (DR 18)	ACTUAL QUANTITY INSTALLED
83	8" PVC WATER MAIN, AWWA C-900, (DR 18)	ACTUAL QUANTITY INSTALLED
84	12" PVC WATER MAIN, AWWA C-900, (DR 18), RESTRAINED JOINT	ACTUAL QUANTITY INSTALLED
85	16" PVC WATER MAIN, AWWA C-900, (DR 18)	EXISTING TAPPING VALVE IS TOO CLOSE TO EXISTING 20" WATER MAIN AT STATION 4+76.52. PROPOSED CHANGE TO REMOVE PROPOSED 90 DEGREE BEND AND REDUCER AND INSTALL 20" MJ PLUG INSTEAD. WATER MAIN WAS NOT NEEDED AFTER CHANGE. NOT USED
92	16" 90 DEGREE BEND	EXISTING TAPPING VALVE IS TOO CLOSE TO EXISTING 20" WATER MAIN AT STATION 4+76.52. PROPOSED CHANGE TO REMOVE PROPOSED 90 DEGREE BEND AND REDUCER AND INSTALL 20" MJ PLUG INSTEAD. 16" 90 DEGREE BEND WAS NOT NEEDED AFTER CHANGE. NOT USED
94	12" 11.25 DEGREE BEND	NOT USED
95	12" HIGH DEFLECTION COUPLING	NOT USED
97	20" X 16" REDUCER	EXISTING TAPPING VALVE IS TOO CLOSE TO EXISTING 20" WATER MAIN AT STATION 4+76.52. PROPOSED CHANGE TO REMOVE PROPOSED 90 DEGREE BEND AND REDUCER AND INSTALL 20" MJ PLUG INSTEAD. 20" X 16" REDUCER WAS NOT NEEDED AFTER CHANGE. NOT USED
105	CORROSION PROTECTION TEST STATION	ACTUAL QUANTITY INSTALLED
106	TRACER WIRE BOX	ADDITIONAL BOX NEEDED AT THE CONNECTION TO WATER MAIN IN ATLAS STREET
107	INSULATE WATER MAIN PER RAPID CITY STD. DETAIL 11-1	NOT USED
109	ASPHALT CONCRETE, GLASS G, TYPE 1, PG64-28	ADDITIONAL PATCH WAS REMOVED TO MAKE TRANSITION BETWEEN ACC PAVEMENT AND PCC PAVEMENT SMOOTHER
110	AGGREGATE BASE COURSE, 1"	ADDITIONAL ACC PATCH AREA AND ADDITIONAL PCC PAVEMENT AND CURB AND GUTTER REQUIRED ADDITIONAL
111	TYPE B66 CURB AND GUTTER	ACTUAL QUANTITY INSTALLED
112	PCC FILLET, 6" NONREINFORCED	ACTUAL QUANTITY INSTALLED
114	PCC PAVEMENT, 8" NONREINFORCED, W/ DOWELS AND TIE BA	ACTUAL QUANTITY INSTALLED
115	DETECTABLE WARNING PANEL	MATCHED EXISTING SIDEWALK THAT WAS 5 FEET WIDE
116	6" DIAMETER PIPE UNDERDRAIN (DETAIL 64-1)	NOT USED
117	CONNECT TO EXISTING EDGE	NOT USED
118	SODDING	ACTUAL QUANTITY INSTALLED
119	TOPSOIL, PLACE 5" THICK (INCLUDING 1" INCORPORATED 3/8" SCREEN COMPOST	ACTUAL QUANTITY INSTALLED
120	20" MJ PLUG	EXISTING TAPPING VALVE IS TOO CLOSE TO EXISTING 20" WATER MAIN AT STATION 4+76.52. PROPOSED CHANGE TO REMOVE PROPOSED 90 DEGREE BEND AND REDUCER AND INSTALL 20" MJ PLUG INSTEAD.

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

DATE: JULY 8, 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	0.00	100%
7A	CAST-IN-PLACE BUILDING CONCRETE & REINFORCEMENT	0.00	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	0.00	100%
11A	ROUGH & FINISH CARPENTRY	0.00	100%
12	WOOD ROOF TRUSSES & SHEATHING	0.00	100%
	DIVISION 07 - THERMAL AND MOISTURE PROTECTION	0.00	100%
13	INSULATION	0.00	100%
13A	INSULATION	0.00	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	0.00	100%
20A	GYPSUM BOARD & SPECIALTIES	0.00	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	0.00	100%
23A	HVAC EQUIPMENT, DUCTS, PIPING, & SUPPORTS	0.00	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	0.00	100%
26B	CONDUIT & UNDERGROUND DUCTS, INCLUDING ENCASEMENTS	0.00	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		-25,531.59	100%
34B		26,188.88	100%
35	SODDING	0.00	100%
36	LANDSCAPING	-8,000.00	100%
36A	LANDSCAPING	17,129.97	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.	0.00	100%
39B	16" (DR 14) SITE PIPING, DRAIN PIPING, TRENCHING, BACKFILL, VALVES, & APPURT.	0.00	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	0.00	100%
43B	PROCESS ABOVE/BELOW GROUND PIPING, VALVES, & APPURTENANCES	0.00	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	PUMPS	0.00	100%
48A	PUMPS	0.00	100%
	SUBTOTAL	0.00	100%
	(1) Bid Adjustment is provided for the Bidder's convenience to make last minute bid adjustments. Upon request the Bidder shall provide a breakdown as to which Bid Items the adjustment applies to within 24 hours of the request.	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	-324.00	100%
55	REMOVE SEDIMENT CONTROL WATTLE	-108.00	100%
56	TEMPORARY GRAVEL SURFACING, 1" BASE COURSE	-788.92	100%
57	UNCLASSIFIED EXCAVATION - DIGOUTS WITH TYPE 4 FOUNDATION MATERIAL	-600.00	100%
58	IMPORTED BACKFILL MATERIAL (TRENCH)	-1,000.00	100%
59	IMPORTED BACKFILL MATERIAL (GRADING)	-2,000.00	100%
60	TYPE I BEDDING	-3,400.00	100%
61	TYPE II FOUNDATION MATERIAL	-2,550.00	100%
62	TYPE III FOUNDATION MATERIAL	-1,700.00	100%
63	TYPE IV FOUNDATION MATERIAL	-1,700.00	100%
64	CONTROLLED LOW STRENGTH BACKFILL MATERIAL TRENCH	-6,000.00	100%
65	AASHTO T-180 SOIL TEST	-400.00	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	136.00	100%
70	REMOVE PCC PANELS, INCLUDING SAWCUTTING	54.00	100%
71	REMOVE PCC SIDEWALK, INCLUDING SAWCUTTING	0.00	100%
72	REMOVE PCC FILLET, INCLUDING SAWCUTTING	65.00	100%
73	REMOVE TYPE B66 CURB AND GUTTER, INCLUDING SAWCUTTING	84.00	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	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)	360.00	100%
83	8" PVC WATER MAIN, AWWA C- 900, (DR 18)	-960.00	100%
84	12" PVC WATER MAIN, AWWA C- 900, (DR 18), RESTRAINED JOINT	385.00	100%
85	16" PVC WATER MAIN, AWWA C- 900, (DR 18)	-1,500.00	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	-1,700.00	100%
93	12" 45 DEGREE BEND	0.00	100%
94	12" 11.25 DEGREE BEND	-1,600.00	100%
95	COUPLING	-1,400.00	100%

96	8" 45 DEGREE BEND	0.00	100%
97	20" X 16" REDUCER	-1,600.00	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	-250.00	100%
106	TRACER WIRE BOX	125.00	100%
107	INSULATE WATER MAIN PER RAPID CITY STD. DETAIL 11-1	-1,640.00	100%
108	ACC PAVING MOBILIZATION	0.00	100%
109	ASPHALT CONCRETE, GLASS G, TYPE 1, PG64-28	466.67	100%
110	AGGREGATE BASE COURSE, 1"	227.50	100%
111	TYPE B66 CURB AND GUTTER	240.00	100%
112	NONREINFORCED	117.00	100%
113	PCC SIDEWALK, 4" NONREINFORCED	0.00	100%
114	PCC PAVEMENT, 8" NONREINFORCED, W/ DOWELS AND TIE BARS	270.00	100%
115	DETECTABLE WARNING PANEL	240.00	100%
116	6" DIAMETER PIPE UNDERDRAIN (DETAIL 64-1)	-624.00	100%
117	CONNECT TO EXISTING EDGE DRAIN	-480.00	100%
118	SODDING	1,265.00	100%
119	TOPSOIL, PLACE 5" THICK (INCLUDING 1" INCORPORATED 3/8" SCREEN COMPOST)	560.00	100%
120	20" M.J. PLUG (SI #27, RFP #41)	1,949.24	100%
		(\$15,993.25)	

