

**PROJECT NAME: 5TH ST. & CATRON BLVD. TRAFFIC SIGNAL AND
UTILITY IMPROVEMENTS PROJECT**

PROJECT NUMBER: PROJECT NO. 13-2143 / CIP NO. 51020

LET DATE: MAY 31, 2016

LOW BID AMOUNT: \$520,621.05

					ENGINEER'S ESTIMATE		MAINLINE CONTRACTING, INC.	
ITEM NO.	STD. BID ITEM NO.	DESCRIPTION OF ITEM	UNIT	QTY (EST)	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
1	001.01	MOBILIZATION	LS	1	\$ 45,001.40	\$ 45,001.40	\$30,000.00	\$ 30,000.00
2	SPECIAL	TAX ON CITY FURNISHED MATERIALS	LS	1	\$ 436.50	\$ 436.50	\$450.00	\$ 450.00
3	001.02	INCIDENTAL	LS	1	\$ 4,000.00	\$ 4,000.00	\$2,000.00	\$ 2,000.00
4	SPECIAL	INCIDENTAL, ELECTRICAL	LS	1	\$ 5,000.00	\$ 5,000.00	\$24,543.35	\$ 24,543.35
5	001.03	CONSTRUCTION STAKING	LS	1	\$ 4,000.00	\$ 4,000.00	\$2,024.83	\$ 2,024.83
6	001.04	REESTABLISH PROPERTY CORNERS	EA	1	\$ 500.00	\$ 500.00	\$184.07	\$ 184.07
7	B01.03	REMOVE MANHOLE	EA	2	\$ 800.00	\$ 1,600.00	\$1,330.65	\$ 2,661.30
8	B05.13	REMOVE PCC PAVEMENT	SY	225	\$ 60.00	\$ 13,500.00	\$16.00	\$ 3,600.00
9	B05.18	REMOVE CONCRETE CURB & GUTTER	LF	91	\$ 20.00	\$ 1,820.00	\$11.14	\$ 1,013.74

10	B05.26	REMOVE PCC SIDEWALK	SY	32	\$ 25.00	\$ 800.00	\$18.93	\$ 605.76
11	SPECIAL	REMOVE RIPRAP	CY	30	\$ 20.00	\$ 600.00	\$21.16	\$ 634.80
12	B06.03	REMOVE & RESET FENCE	LF	140	\$ 15.00	\$ 2,100.00	\$6.13	\$ 858.20
13	B07.02	REMOVE SIGNAL POLE FOOTING	EA	3	\$ 600.00	\$ 1,800.00	\$211.97	\$ 635.91
14	B08.01	REMOVE PAVEMENT MARKING, STRIPES	LF	4,716	\$ 1.10	\$ 5,187.60	\$0.37	\$ 1,744.92
15	B08.02	REMOVE PAVEMENT MARKING, ARROW	EA	11	\$ 150.00	\$ 1,650.00	\$30.68	\$ 337.48
16	B08.04	REMOVE & RESET SIGN	EA	14	\$ 150.00	\$ 2,100.00	\$104.31	\$ 1,460.34
17	B08.05	REMOVE & SALVAGE SIGN	EA	14	\$ 60.00	\$ 840.00	\$92.04	\$ 1,288.56
18	C02.01	EXCAVATION, UNCLASSIFIED	CY	384	\$ 25.00	\$ 9,600.00	\$19.25	\$ 7,392.00
19	C02.02	EXCAVATION, UNCLASSIFIED-DIGOUTS W/NATIVE MATERIAL	CY	30	\$ 30.00	\$ 900.00	\$25.00	\$ 750.00
20	C02.10	EXCAVATION, EXPLORATORY	HR	25	\$ 150.00	\$ 3,750.00	\$260.71	\$ 6,517.75
21	C06.01	BORROW, IMPORTED	CY	800	\$ 30.00	\$ 24,000.00	\$16.55	\$ 13,240.00
22	C08.03	SEEDING, FERTILIZING, & MULCHING	SY	1,610	\$ 5.00	\$ 8,050.00	\$3.57	\$ 5,747.70
23	D09.01	TYPE I BEDDING MATERIAL	T	60	\$ 20.00	\$ 1,200.00	\$22.00	\$ 1,320.00
24	D10.02	TYPE III FOUNDATION MATERIAL	T	60	\$ 20.00	\$ 1,200.00	\$24.00	\$ 1,440.00
25	D10.03	TYPE IV FOUNDATION MATERIAL	T	60	\$ 20.00	\$ 1,200.00	\$30.00	\$ 1,800.00
26	E05.04	15" PVC SEWER MAIN (10'-12')	LF	83	\$ 70.00	\$ 5,810.00	\$110.94	\$ 9,208.02

27	SPECIAL	15" PVC SEWER MAIN CAP	EA	1	\$ 350.00	\$ 350.00	\$156.10	\$ 156.10
28	E15.01	STANDARD MANHOLE, 48"	EA	1	\$ 4,000.00	\$ 4,000.00	\$4,929.43	\$ 4,929.43
29	E15.04	STANDARD MANHOLE, 84"	EA	1	\$ 17,000.00	\$ 17,000.00	\$15,583.91	\$ 15,583.91
30	E19.01	EXTRA MANHOLE DEPTH, 48"	VF	5	\$ 250.00	\$ 1,250.00	\$616.56	\$ 3,082.80
31	E19.04	EXTRA MANHOLE DEPTH, 84"	VF	7	\$ 700.00	\$ 4,900.00	\$886.58	\$ 6,206.06
32	E24.02	CONNECT TO EXISTING SEWER MAIN	EA	2	\$ 800.00	\$ 1,600.00	\$1,195.41	\$ 2,390.82
33	E27.01	ADJUST MANHOLE RING & COVER	EA	2	\$ 500.00	\$ 1,000.00	\$321.46	\$ 642.92
34	E28.01	BYPASS PUMPING	LS	1	\$ 9,000.00	\$ 9,000.00	\$18,726.43	\$ 18,726.43
35	G01.10	30" RCP, CLASS II	LF	8	\$ 80.00	\$ 640.00	\$127.78	\$ 1,022.24
36	G01.13	36" RCP, CLASS III	LF	22	\$ 105.00	\$ 2,310.00	\$222.78	\$ 4,901.16
37	SPECIAL	TYPE L MEDIAN DRAIN	EA	1	\$ 4,000.00	\$ 4,000.00	\$1,847.14	\$ 1,847.14
38	G28.02	STORM SEWER MANHOLE, 60"	EA	1	\$ 7,000.00	\$ 7,000.00	\$4,497.07	\$ 4,497.07
39	G29.02	EXTRA STORM SEWER MANHOLE DEPTH, 60"	VF	13	\$ 500.00	\$ 6,500.00	\$705.65	\$ 9,173.45
40	G30.01	CONNECT TO EXISTING STORM SEWER MANHOLE	EA	1	\$ 800.00	\$ 800.00	\$1,515.88	\$ 1,515.88
41	G37.02	60" TRASH RACK	EA	1	\$ 1,500.00	\$ 1,500.00	\$2,530.45	\$ 2,530.45
42	G38.01	CONNECT TO EXISTING STORM SEWER	EA	1	\$ 500.00	\$ 500.00	\$2,013.95	\$ 2,013.95

43	H02.01	CLASS A RIPRAP	CY	25	\$ 95.00	\$ 2,375.00	\$116.46	\$ 2,911.50
44	H07.01	EROSION CONTROL BLANKET	SY	1,000	\$ 4.00	\$ 4,000.00	\$2.25	\$ 2,250.00
45	H09.01	FILTER FABRIC, NONWOVEN	SY	35	\$ 4.00	\$ 140.00	\$7.02	\$ 245.70
46	H15.01	9" WATTLES	LF	260	\$ 7.00	\$ 1,820.00	\$6.13	\$ 1,593.80
47	H16.01	EROSION CONTROL, INLET PROTECTION	EA	6	\$ 200.00	\$ 1,200.00	\$104.31	\$ 625.86
48	I02.01	GRAVEL CUSHION	T	214	\$ 35.00	\$ 7,490.00	\$31.50	\$ 6,741.00
49	I16.06	PCC PAVEMENT, 8.5" NONREINFORCED	SY	331	\$ 110.00	\$ 36,410.00	\$105.54	\$ 34,933.74
50	SPECIAL	CONCRETE CURB & GUTTER, TYPE F68.5	LF	270	\$ 25.00	\$ 6,750.00	\$37.22	\$ 10,049.40
51	I29.02	DOWEL BAR	EA	165	\$ 12.00	\$ 1,980.00	\$15.96	\$ 2,633.40
52	I30.03	INSTALL #5 STEEL BAR IN CONCRETE	EA	177	\$ 18.00	\$ 3,186.00	\$9.81	\$ 1,736.37
53	I31.02	INSTALL #10 SMOOTH STEEL BAR IN CONCRETE	EA	25	\$ 16.00	\$ 400.00	\$14.78	\$ 369.50
54	I33.03	CONCRETE SIDEWALK, 6" NONREINFORCED	SF	2,120	\$ 14.00	\$ 29,680.00	\$8.44	\$ 17,892.80
55	I38.01	DETECTABLE WARNING PANEL	LF	40	\$ 400.00	\$ 16,000.00	\$67.74	\$ 2,709.60
56	J07.02	TEMPORARY FENCE	LF	125	\$ 6.00	\$ 750.00	\$6.13	\$ 766.25
57	K01.01	1" RIGID CONDUIT, SCHEDULE 40	LF	215	\$ 4.00	\$ 860.00	\$7.97	\$ 1,713.55
58	K01.01	2" RIGID CONDUIT, SCHEDULE 40	LF	80	\$ 6.00	\$ 480.00	\$8.59	\$ 687.20
59	K01.02	3" RIGID CONDUIT, SCHEDULE 40	LF	75	\$ 12.00	\$ 900.00	\$15.22	\$ 1,141.50

60	K01.03	4" RIGID CONDUIT, SCHEDULE 40	LF	40	\$ 18.00	\$ 720.00	\$16.20	\$ 648.00
61	K01.06	3" RIGID CONDUIT, SCHEDULE 80	LF	230	\$ 27.00	\$ 6,210.00	\$45.41	\$ 10,444.30
62	K01.07	4" RIGID CONDUIT, SCHEDULE 80	LF	195	\$ 32.00	\$ 6,240.00	\$67.49	\$ 13,160.55
63	SPECIAL	1" INNERDUCT, SDR 13.5	LF	570	\$ 4.00	\$ 2,280.00	\$3.68	\$ 2,097.60
64	K02.07	1/C #6 AWG COPPER WIRE	LF	1,725	\$ 1.30	\$ 2,242.50	\$0.98	\$ 1,690.50
65	K02.09	1/C #10 AWG COPPER WIRE	LF	195	\$ 0.80	\$ 156.00	\$0.61	\$ 118.95
66	K03.01	2/C #14 AWG COPPER TRAY CABLE, K2	LF	1,105	\$ 1.10	\$ 1,215.50	\$1.10	\$ 1,215.50
67	K03.03	4/C #14 AWG COPPER TRAY CABLE, K2	LF	2,590	\$ 1.70	\$ 4,403.00	\$1.41	\$ 3,651.90
68	K03.04	5/C #14 AWG COPPER TRAY CABLE, K2	LF	120	\$ 2.00	\$ 240.00	\$1.59	\$ 190.80
69	K03.05	7/C #14 AWG COPPER TRAY CABLE, K2	LF	85	\$ 2.50	\$ 212.50	\$1.96	\$ 166.60
70	K03.08	19/C #14 AWG COPPER TRAY CABLE, K2	LF	895	\$ 5.00	\$ 4,475.00	\$4.05	\$ 3,624.75
71	K03.09	26/C #14 AWG COPPER TRAY CABLE, K2	LF	870	\$ 6.00	\$ 5,220.00	\$6.13	\$ 5,333.10
72	K04.01	2/C #10 COPPER POLE AND BRACKET CABLE	LF	65	\$ 2.00	\$ 130.00	\$2.33	\$ 151.45
73	K04.02	#16 AWG COPPER TWIST SHIELDED PAIR	LF	1,105	\$ 0.80	\$ 884.00	\$0.67	\$ 740.35
74	SPECIAL	OUTDOOR RATED CAT5 CABLE	LF	990	\$ 2.00	\$ 1,980.00	\$1.66	\$ 1,643.40
75	SPECIAL	TYPE 3 ELECTRICAL JUNCTION BOX	EA	2	\$ 950.00	\$ 1,900.00	\$1,306.94	\$ 2,613.88
76	SPECIAL	TYPE 4 ELECTRICAL JUNCTION BOX	EA	3	\$ 2,000.00	\$ 6,000.00	\$2,233.44	\$ 6,700.32

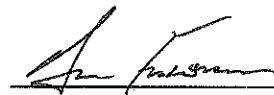
77	K08.03	ROADWAY LUMINAIRE, 400W HPS W/ PHOTOELECTRIC CELL	EA	1	\$ 420.00	\$ 420.00	\$613.58	\$ 613.58
78	K10.01	SIGNAL PEDESTAL POLE	EA	1	\$ 1,500.00	\$ 1,500.00	\$1,834.61	\$ 1,834.61
79	K11.01	2' DIAMETER FOOTING	LF	8	\$ 150.00	\$ 1,200.00	\$190.21	\$ 1,521.68
80	K11.03	3' DIAMETER FOOTING	LF	45	\$ 320.00	\$ 14,400.00	\$269.97	\$ 12,148.65
81	K14.01	3 SECTION VEHICLE SIGNAL HEAD	EA	7	\$ 1,000.00	\$ 7,000.00	\$1,178.08	\$ 8,246.56
82	K14.02	5 SECTION VEHICLE SIGNAL HEAD	EA	2	\$ 1,400.00	\$ 2,800.00	\$1,908.25	\$ 3,816.50
83	SPECIAL	INSTALL SIGNAL HEAD	EA	18	\$ 200.00	\$ 3,600.00	\$128.86	\$ 2,319.48
84	K17.01	PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER	EA	8	\$ 750.00	\$ 6,000.00	\$859.02	\$ 6,872.16
85	K17.02	PEDESTRIAN PUSH BUTTON	EA	8	\$ 210.00	\$ 1,680.00	\$288.38	\$ 2,307.04
86	K17.03	PEDESTRIAN CROSSING SIGN	EA	8	\$ 110.00	\$ 880.00	\$141.12	\$ 1,128.96
87	K17.04	PEDESTRIAN PUSH BUTTON POLE	EA	8	\$ 500.00	\$ 4,000.00	\$1,135.13	\$ 9,081.04
88	K19.02	RELOCATE SIGNAL POLE AND LUMINAIRE ARM	EA	2	\$ 5,000.00	\$ 10,000.00	\$2,086.18	\$ 4,172.36
89	K19.03	INSTALL SIGNAL POLE AND LUMINAIRE ARM	EA	1	\$ 2,500.00	\$ 2,500.00	\$2,270.26	\$ 2,270.26
90	K20.01	SALVAGE SIGNAL EQUIPMENT	LS	1	\$ 3,000.00	\$ 3,000.00	\$4,307.36	\$ 4,307.36
91	SPECIAL	WIRELESS IN PAVEMENT TRAFFIC SENSOR	EA	20	\$ 900.00	\$ 18,000.00	\$1,349.88	\$ 26,997.60
92	SPECIAL	FURNISH WIRELESS IN PAVEMENT TRAFFIC SENSOR	EA	4	\$ 500.00	\$ 2,000.00	\$797.66	\$ 3,190.64
93	SPECIAL	WIRELESS ACCESS POINT	EA	3	\$ 3,700.00	\$ 11,100.00	\$5,460.89	\$ 16,382.67

94	L03.01	COLD APPLIED PLASTIC PAVEMENT MARKING, 4"	LF	1,124	\$ 3.00	\$ 3,372.00	\$3.68	\$ 4,136.32
95	L03.05	COLD APPLIED PLASTIC PAVEMENT MARKING, 24"	LF	813	\$ 19.00	\$ 15,447.00	\$12.88	\$ 10,471.44
96	L03.06	COLD APPLIED PLASTIC PAVEMENT MARKING, ARROW	EA	17	\$ 250.00	\$ 4,250.00	\$122.71	\$ 2,086.07
97	L04.01	GROOVE FOR COLD APPLIED PLASTIC MARKING, 4"	LF	1,124	\$ 1.00	\$ 1,124.00	\$0.55	\$ 618.20
98	L04.05	GROOVE FOR COLD APPLIED PLASTIC MARKING, 24"	LF	813	\$ 4.00	\$ 3,252.00	\$4.29	\$ 3,487.77
99	L04.06	GROOVE FOR COLD APPLIED PLASTIC MARKING, ARROW	EA	17	\$ 130.00	\$ 2,210.00	\$122.71	\$ 2,086.07
100	L05.01	ROAD SIGN	SF	34	\$ 50.00	\$ 1,700.00	\$20.99	\$ 713.66
101	L05.02	SIGN POST	LF	74	\$ 20.00	\$ 1,480.00	\$13.74	\$ 1,016.76
102	L06.03	FLAGGING	HR	80	\$ 25.00	\$ 2,000.00	\$35.00	\$ 2,800.00
103	SPECIAL	TRAFFIC CONTROL SIGNS	SF	1,110	\$ 10.00	\$ 11,100.00	\$6.75	\$ 7,492.50
104	SPECIAL	TRAFFIC CONTROL MISCELLANEOUS	LS	1	\$ 15,000.00	\$ 15,000.00	\$10,001.41	\$ 10,001.41
105	SPECIAL	TYPE 3 BARRICADE, 8' DOUBLE SIDED	EA	5	\$ 150.00	\$ 750.00	\$134.99	\$ 674.95
106	SPECIAL	TYPE C ADVANCE WARNING ARROW BOARD	EA	3	\$ 1,200.00	\$ 3,600.00	\$920.37	\$ 2,761.11
107	SPECIAL	LINEAR DELINEATION SYSTEM PANEL, BARRIER MOUNTED	EA	64	\$ 20.00	\$ 1,280.00	\$38.65	\$ 2,473.60
108	SPECIAL	TEMPORARY FLEXIBLE VERTICAL MARKERS (TABS)	LF	6,000	\$ 0.50	\$ 3,000.00	\$0.27	\$ 1,620.00
109	SPECIAL	TRAFFIC CONTROL MOVABLE CONCRETE BARRIER	EA	32	\$ 240.00	\$ 7,680.00	\$179.64	\$ 5,748.48
110	SPECIAL	TEMPORARY CONCRETE BARRIER END-PROTECTION	EA	-	\$ 12,000.00	\$ -	\$0.00	\$ -

111	SPECIAL	TEMPORARY CONCRETE BARRIER END- PROTECTION MODULE SET OR REPAIR- KIT	EA	-	\$ 3,000.00	\$ -	\$0.00	\$ -
112	SPECIAL	CITY FURNISHED PORTABLE CHANGEABLE MESSAGE SIGN	EA	2	\$ 1,000.00	\$ 2,000.00	\$674.95	\$ 1,349.90
113	SPECIAL	TEMPORARY GRAVEL ACCESS ROADS	T	250	\$ 35.00	\$ 8,750.00	\$40.00	\$ 10,000.00
TOTAL						\$ 546,000.00		\$ 520,621.05

CONSULTANT

I certify that, to the best of my knowledge, this is a true tabulation of bids received for this project.



Aaron Fagerness, PE
HDR, Inc.

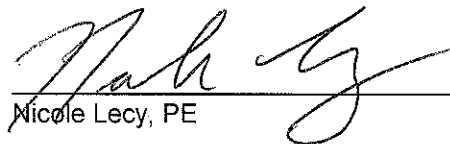
6/1/16

Date

Contract awarded to Mainline Contracting, Inc.
in the amount of \$520,621.05 at June 6, 2016
Council Meeting.

CITY OF RAPID CITY

Reviewed by:



Nicole Lecy, PE

6/1/2016

Date