

Project: VETERANS PARKWAY TRAFFIC SIGNAL IMPROVEMENTS
Location: VARIOUS

A/E Firm: HDR ENGINEERING, INC. Bid Estimate: \$ 1,500,000.00
 Address: 101 S. PHILLIPS AVENUE, SUITE 401 Budget: \$ 105,806.00
 City/State/Zip: SIOUX FALLS, SD 57104 Letting Date: 12/08/22
 Phone No.: 605.977.7740 Time: 2:15 PM
 Value of OFM: \$ 8,000.00

T & R Contracting, Hulstein
 Bidder: Inc. Bidder: Excavating, Inc.
 5000 N. Gulby
 Address: Avenue Address: 147 175th Avenue
 Sioux Falls, SD Edgerton, MN
 City/State/Zip: 57104 City/State/Zip: 56128
 Phone No.: 605.332.1170 Phone No.: 507.442.4000

Item No.	Std. Bid Item No.	Description	Unit	Quantity	Unit Price	Total Price	Unit Price	Total Price
1	9.0010	Mobilization	LS	1.0	\$ 127,382.22	\$ 127,382.22	\$150,000.00	\$150,000.00
2	110.1100	Remove Concrete Pavement	SqYd	116.2	\$ 25.00	\$ 2,905.00	\$15.75	\$1,830.15
3	110.1140	Remove Concrete Sidewalk	SqYd	83.0	\$ 25.00	\$ 2,075.00	\$9.50	\$788.50
4	110.8110	Saw Existing PCC Pavement	LFT	254.0	\$ 14.00	\$ 3,556.00	\$7.50	\$1,905.00
5	120.0010	Unclassified Excavation	CuYd	250.0	\$ 22.50	\$ 5,625.00	\$29.00	\$7,250.00
6	120.0600	Contractor Furnished Borrow	CuYd	20.0	\$ 35.00	\$ 700.00	\$107.50	\$2,150.00
7	Special	Exploratory Excavation	Hour	30.0	\$ 275.00	\$ 8,250.00	\$815.00	\$24,450.00
8	120.6200	Water For Granular Material	MGal	1.2	\$ 30.00	\$ 36.00	\$15.00	\$18.00
9	210.1005	Surface Preparation	SqYd	116.0	\$ 12.50	\$ 1,450.00	\$20.50	\$2,378.00
10	260.1010	Aggregate Base Course	Ton	83.0	\$ 35.00	\$ 2,905.00	\$57.00	\$4,731.00
11	380.4070	9" PCC Fillet Section	SqYd	116.0	\$ 225.00	\$ 26,100.00	\$165.00	\$19,140.00
12	380.6115	Insert Steel Bar in Concrete Pavement, No. 5	Each	93.0	\$ 25.00	\$ 2,325.00	\$21.50	\$1,999.50
13	380.6119	Insert Steel Bar in Concrete Pavement, No. 9	Each	29.0	\$ 30.00	\$ 870.00	\$35.00	\$1,015.00
14	651.0060	6" Concrete Sidewalk	SqFt	658.0	\$ 12.50	\$ 8,225.00	\$16.25	\$10,692.50
15	651.0860	6" Accessible Curb Ramp Sidewalk	SqFt	1,105.0	\$ 17.50	\$ 19,337.50	\$17.75	\$19,613.75
16	651.6020	Type A Detectable Warnings	SqFt	80.0	\$ 75.00	\$ 6,000.00	\$70.00	\$5,600.00
17	634.0010	Flagging	Hour	70.0	\$ 40.00	\$ 2,800.00	\$114.00	\$7,980.00
18	634.0110	Traffic Control	SqFt	2,878.5	\$ 0.28	\$ 805.98	\$2.00	\$5,757.00
19	634.0120	Traffic Control, Miscellaneous	LS	1.0	\$ 59,338.80	\$ 59,338.80	\$42,100.00	\$42,100.00
20	634.0420	Type C Advance Warning Arrow Panel	Each	8.0	\$ 275.00	\$ 2,200.00	\$375.00	\$3,000.00
21	634.1215	Contractor Furnished Portable Changeable Mes	Each	2.0	\$ 3,300.00	\$ 6,600.00	\$2,400.00	\$4,800.00
22	634.2000	Longitudinal Pedestrian Barricade	Ft	24.0	\$ 11.00	\$ 264.00	\$7.50	\$180.00
23	120.6300	Water for Vegetation	MGal	62.6	\$ 11.00	\$ 688.60	\$10.50	\$657.30
24	230.0020	Placing Contractor Furnished Topsoil	CuYd	170.0	\$ 50.00	\$ 8,500.00	\$104.00	\$17,680.00
25	730.0300	Arterial and Collector Seed Mix	SqYd	64.8	\$ 16.50	\$ 1,069.20	\$15.75	\$1,020.60
26	731.0100	Fertilizing	Lb	71.3	\$ 2.20	\$ 156.86	\$2.50	\$178.25
27	731.0200	Weed Control	SqYd	1,038.9	\$ 0.01	\$ 10.39	\$0.05	\$51.95
28	731.0210	Weed Control - Project	LS	1.0	\$ 440.00	\$ 440.00	\$425.00	\$425.00
29	732.0200	Fiber Mulching	Ton	0.8	\$ 1,375.00	\$ 1,100.00	\$1,315.00	\$1,052.00
30	734.0154	12" Diameter Erosion Control Wattle	Ft	380.0	\$ 3.85	\$ 1,463.00	\$3.75	\$1,425.00
31	734.0850	Inlet Protection	Each	9.0	\$ 99.00	\$ 891.00	\$95.00	\$855.00
32	734.5010	Sweeping	Hour	40.0	\$ 100.00	\$ 4,000.00	\$238.00	\$9,520.00
33	734.6006	Concrete Washout Area	Each	2.0	\$ 300.00	\$ 600.00	\$350.00	\$700.00
34	110.1400	Remove Pavement Marking, 4" or Equivalent	Ft	4,729.0	\$ 0.28	\$ 1,324.12	\$1.10	\$5,201.90
35	633.0010	Cold Applied Plastic Pavement Marking, 4"	Ft	678.0	\$ 4.24	\$ 2,874.72	\$4.25	\$2,881.50
36	Special	Cold Applied Plastic Pavement Marking, 4" - Cd	Ft	1,325.0	\$ 8.58	\$ 11,368.50	\$8.50	\$11,262.50
37	Special	Preformed Thermoplastic Pavement Marking, 2	Ft	1,848.0	\$ 18.70	\$ 34,557.60	\$19.00	\$35,112.00
38	633.0035	Cold Applied Plastic Pavement Marking, Area	SqFt	416.0	\$ 12.10	\$ 5,033.60	\$15.75	\$6,552.00
39	633.0040	Cold Applied Plastic Pavement Marking, Arrow	Each	14.0	\$ 275.00	\$ 3,850.00	\$425.00	\$5,950.00
40	633.5000	Groove Pavement For Pavement Marking, 4"	Ft	678.0	\$ 1.10	\$ 745.80	\$1.05	\$711.90
41	Special	Groove Pavement For Pavement Marking, 7"	Ft	1,325.0	\$ 2.20	\$ 2,915.00	\$2.10	\$2,782.50
42	633.5015	Groove Pavement For Pavement Marking, 24"	Ft	1,848.0	\$ 5.50	\$ 10,164.00	\$5.25	\$9,702.00
43	Special	Groove Pavement For Pavement Marking, Area	SqFt	416.0	\$ 2.75	\$ 1,144.00	\$3.15	\$1,310.40
44	Special	Groove Pavement For Pavement Marking, Arro	Each	14.0	\$ 82.50	\$ 1,155.00	\$90.00	\$1,260.00
45	110.5020	Salvage Traffic Sign	Each	10.0	\$ 22.00	\$ 220.00	\$52.75	\$527.50
46	632.3050	Furnish Sheet Aluminum Sign with Reflective S	SqFt	162.1	\$ 38.50	\$ 6,240.85	\$20.00	\$3,242.00
47	632.3070	Install Traffic Sign on Mast Arm	Each	21.0	\$ 506.00	\$ 10,626.00	\$425.00	\$8,925.00
48	110.1540	Remove Luminaire Pole Footing	Each	3.0	\$ 1,500.00	\$ 4,500.00	\$946.00	\$2,838.00
49	110.5100	Salvage Luminaire Pole	Each	3.0	\$ 396.00	\$ 1,188.00	\$379.00	\$1,137.00
50	250.0015	Incidental Work, Lighting	LS	1.0	\$ 1,100.00	\$ 1,100.00	\$1,052.00	\$1,052.00
51	635.4224	24" Diameter Junction Box	Each	12.0	\$ 1,337.60	\$ 16,051.20	\$1,280.00	\$15,360.00
52	635.4510	Power Feed - Elevated Transformer to Double	Each	2.0	\$ 3,311.00	\$ 6,622.00	\$3,165.00	\$6,330.00
53	635.4600	Tie To Existing Conduit	Each	15.0	\$ 93.50	\$ 1,402.50	\$90.00	\$1,350.00
54	635.4800	Conduit Boring	Ft	1,200.0	\$ 18.26	\$ 21,912.00	\$17.50	\$21,000.00
55	635.6020	LED Luminaire Class 16K	Each	3.0	\$ 654.50	\$ 1,963.50	\$625.00	\$1,875.00
56	635.6030	LED Luminaire Class 26K	Each	4.0	\$ 880.00	\$ 3,520.00	\$840.00	\$3,360.00
57	635.8020	2" Rigid Conduit, Schedule 40	Ft	300.0	\$ 9.68	\$ 2,904.00	\$9.25	\$2,775.00
58	635.8120	2" Rigid Conduit, Schedule 80	Ft	1,355.0	\$ 8.58	\$ 11,625.90	\$8.20	\$11,111.00
59	635.8200	2/2/2/4 AWG Aluminum Wire	Ft	1,505.0	\$ 3.96	\$ 5,959.80	\$ 3.80	\$5,719.00
60	635.8220	4/0 / 4/0 / 4/0 AWG Aluminum Wire	Ft	430.0	\$ 8.58	\$ 3,689.40	\$ 8.20	\$3,526.00
61	635.8435	1/C #4 AWG Copper Wire	Ft	875.0	\$ 1.87	\$ 1,636.25	\$ 1.80	\$1,575.00
62	634.8500	UF 14/2 Luminaire Wire	Ft	425.0	\$ 1.43	\$ 607.75	\$ 1.50	\$637.50
63	9.0552	Tax on City Furnished Traffic Materials	LS	1.0	\$ 852.50	\$ 852.50	\$550.00	\$550.00
64	110.0425	Remove Junction Box	Each	4.0	\$ 77.00	\$ 308.00	\$ 74.00	\$296.00
65	250.0016	Incidental Work, Traffic	LS	1.0	\$ 2,860.00	\$ 2,860.00	\$ 2,733.00	\$2,733.00
66	635.0065	Signal Pole with 65' Mast Arm	Each	1.0	\$ 28,006.00	\$ 28,006.00	\$ 26,765.00	\$26,765.00
67	635.0070	Signal Pole with 70' Mast Arm	Each	1.0	\$ 29,329.30	\$ 29,329.30	\$ 28,028.00	\$28,028.00
68	635.0140	Signal Pole with 40' Mast Arm and Luminaire At	Each	1.0	\$ 21,793.20	\$ 21,793.20	\$ 20,825.00	\$20,825.00
69	635.0150	Signal Pole with 50' Mast Arm and Luminaire At	Each	1.0	\$ 24,596.00	\$ 24,596.00	\$ 24,555.00	\$24,555.00
70	635.0155	Signal Pole with 55' Mast Arm and Luminaire At	Each	1.0	\$ 28,913.50	\$ 28,913.50	\$ 27,630.00	\$27,630.00
71	635.0160	Signal Pole with 60' Mast Arm and Luminaire At	Each	1.0	\$ 29,040.00	\$ 29,040.00	\$ 27,750.00	\$27,750.00
72	635.0180	Signal Pole with 80' Mast Arm and Luminaire At	Each	1.0	\$ 40,645.00	\$ 40,645.00	\$ 38,840.00	\$38,840.00
73	635.0175	Signal Pole with 75' Mast Arm and Twin Lumina	Each	1.0	\$ 40,837.50	\$ 40,837.50	\$ 39,025.00	\$39,025.00
74	635.0230	3 Section Vehicle Signal Head	Each	19.0	\$ 1,061.50	\$ 20,168.50	\$ 1,015.00	\$19,285.00

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Item No.	Std. Bid Item No.	Description	Unit	Quantity	Unit Price	Total Price	Unit Price	Total Price
75	635.0240	4 Section Vehicle Signal Head	Each	24.0	\$ 1,270.50	\$ 30,492.00	\$ 1,215.00	\$29,160.00
76	635.0250	5 Section Vehicle Signal Head	Each	5.0	\$ 1,391.50	\$ 6,957.50	\$ 1,330.00	\$6,650.00
77	635.0600	Single Emergency Vehicle Preemption Detector	Each	9.0	\$ 1,463.00	\$ 13,167.00	\$ 1,400.00	\$12,600.00
78	635.0620	Emergency Vehicle Preemption Controller Unit	Each	2.0	\$ 4,367.00	\$ 8,734.00	\$ 4,175.00	\$8,350.00
79	635.0700	Pedestrian Push Button Pole	Each	16.0	\$ 822.80	\$ 13,164.80	\$ 790.00	\$12,640.00
80	635.0720	Pedestrian Signal Head with Countdown Timer	Each	16.0	\$ 904.20	\$ 14,467.20	\$ 865.00	\$13,840.00
81	635.0730	Pedestrian Crossing Sign	Each	16.0	\$ 70.40	\$ 1,126.40	\$ 68.00	\$1,088.00
82	Special	Accessible Pedestrian Signal	Each	16.0	\$ 983.40	\$ 15,734.40	\$ 950.00	\$15,200.00
83	Special	Traffic Signal Controller	Each	2.0	\$ 35,557.50	\$ 71,115.00	\$ 33,980.00	\$67,960.00
84	Special	Controller Cabinet Footing	Each	2.0	\$ 1,947.00	\$ 3,894.00	\$ 1,860.00	\$3,720.00
85	Special	Side Mounted Cabinet	Each	4.0	\$ 5,192.00	\$ 20,768.00	\$ 4,965.00	\$19,860.00
86	635.0810	Battery Backup System	Each	2.0	\$ 7,240.20	\$ 14,480.40	\$ 6,920.00	\$13,840.00
87	Special	Fisheye Video Camera Detection System	Each	8.0	\$ 15,903.80	\$ 127,230.40	\$ 15,200.00	\$121,600.00
88	Special	Install PTZ Traffic Surveillance Camera	Each	4.0	\$ 424.60	\$ 1,698.40	\$ 406.00	\$1,624.00
89	Special	Install 4-Way Traffic Surveillance Camera	Each	4.0	\$ 708.40	\$ 2,833.60	\$ 678.00	\$2,712.00
90	Special	Adaptive Signal Camera	Each	1.0	\$ 14,723.50	\$ 14,723.50	\$ 14,100.00	\$14,100.00
91	635.1105	0.5" Innerduct, SDR 13.5	Ft	3,830.0	\$ 1.58	\$ 6,051.40	\$ 1.50	\$5,745.00
92	635.1110	1" Innerduct, SDR 13.5	Ft	330.0	\$ 2.31	\$ 762.30	\$ 2.25	\$742.50
93	635.1115	1.5" Innerduct, SDR 13.5	Ft	260.0	\$ 4.03	\$ 1,047.80	\$ 3.85	\$1,001.00
94	635.1202	2/C #14 AWG IMSA Copper Cable, K1	Ft	475.0	\$ 2.31	\$ 1,097.25	\$ 2.25	\$1,068.75
95	635.1203	3/C #14 AWG IMSA Copper Cable, K1	Ft	1,560.0	\$ 1.60	\$ 2,496.00	\$ 1.55	\$2,418.00
96	635.1205	5/C #14 AWG IMSA Copper Cable, K1	Ft	1,035.0	\$ 1.93	\$ 1,997.55	\$ 1.85	\$1,914.75
97	635.1207	7/C #14 AWG IMSA Copper Cable, K1	Ft	1,240.0	\$ 2.81	\$ 3,484.40	\$ 2.75	\$3,410.00
98	635.1225	25/C #14 AWG IMSA Copper Cable, K1	Ft	1,550.0	\$ 9.24	\$ 14,322.00	\$ 8.85	\$13,717.50
99	Special	Install CAT-5 Cable for PTZ Traffic Surveillance	Ft	530.0	\$ 1.21	\$ 641.30	\$ 1.25	\$662.50
100	Special	Install CAT-5 Cable for 4-Way Traffic Surveillan	Ft	420.0	\$ 1.21	\$ 508.20	\$ 1.25	\$525.00
101	635.1310	Emergency Vehicle Preemption Cable	Ft	1,320.0	\$ 3.08	\$ 4,065.60	\$ 2.95	\$3,894.00
102	635.1424	24 Single Mode Fiber Optic Cable	Ft	5,300.0	\$ 1.72	\$ 9,116.00	\$ 1.65	\$8,745.00
103	Special	Install Fiber Optic Cable	Ft	500.0	\$ 0.94	\$ 470.00	\$ 1.00	\$500.00
104	Special	Salvage Fiber Optic Cable	Ft	4,300.0	\$ 0.88	\$ 3,784.00	\$ 1.00	\$4,300.00
105	635.4030	3' Diameter Footing	Ft	132.0	\$ 267.30	\$ 35,283.60	\$ 255.00	\$33,660.00
106	635.4224	24" Diameter Junction Box	Each	5.0	\$ 1,375.00	\$ 6,875.00	\$ 1,325.00	\$6,625.00
107	635.4230	30" Diameter Junction Box	Each	7.0	\$ 1,633.50	\$ 11,434.50	\$ 1,565.00	\$10,955.00
108	635.4600	Tie To Existing Conduit	Each	12.0	\$ 93.50	\$ 1,122.00	\$ 90.00	\$1,080.00
109	635.4800	Conduit Boring	Ft	915.0	\$ 18.26	\$ 16,707.90	\$ 17.50	\$16,012.50
110	635.8010	1" Rigid Conduit, Schedule 40	Ft	220.0	\$ 3.08	\$ 677.60	\$ 3.00	\$660.00
111	635.8020	2" Rigid Conduit, Schedule 40	Ft	155.0	\$ 9.13	\$ 1,415.15	\$ 8.75	\$1,356.25
112	635.8040	4" Rigid Conduit, Schedule 40	Ft	100.0	\$ 15.29	\$ 1,529.00	\$ 14.65	\$1,465.00
113	635.8120	2" Rigid Conduit, Schedule 80	Ft	40.0	\$ 13.86	\$ 554.40	\$ 13.25	\$530.00
114	635.8130	3" Rigid Conduit, Schedule 80	Ft	750.0	\$ 13.04	\$ 9,780.00	\$ 12.50	\$9,375.00
115	635.8440	1/C #6 AWG Copper Wire	Ft	255.0	\$ 1.32	\$ 336.60	\$ 1.30	\$331.50
116	635.8455	1/C #12 AWG Copper Wire	Ft	1,530.0	\$ 0.61	\$ 933.30	\$ 0.75	\$1,147.50

TOTAL GROSS BID

Total Bid	\$ 1,249,999.99	Total Bid	\$ 1,259,077.95
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