

**BID-TABULATION SHEET**

City of Ames Public Works Department - Engineering Division  
 2021/22 TRAFFIC SIGNAL PROGRAM (S 4TH ST & UNIVERSITY BLVD)

Bidder1 Voltmer, Inc. PO Box 200 Decorah, IA 52101	Bidder2 K & W Electric, Inc. 1127 Lincoln Street Cedar Falls, IA 50613	Bidder3 Van Maanen Electric, Inc. 500 Iowa Speedway Dr. Newton, IA 50208
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NO	DESCRIPTION	Bid Date: 1/19/22		ENGINEER'S ESTIMATE		Bidder1		Bidder2		Bidder3	
		UNITS	QUANTITY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
1	Traffic Signalization - Labor	LS	1	\$ 40,000.00	\$40,000.00	73415	\$73,415.00	70000	\$70,000.00	105000	\$105,000.00
2	Traffic Control	LS	1	\$ 5,000.00	\$5,000.00	4950	\$4,950.00	5000	\$5,000.00	15200	\$15,200.00
3	Pedestrian Facility Construction Survey and Staking	LS	1	\$ 3,500.00	\$3,500.00	5350	\$5,350.00	6200	\$6,200.00	7210	\$7,210.00
4	Pavement Markings - Painted	STA	7	\$ 130.00	\$910.00	315	\$2,205.00	330	\$2,310.00	338	\$2,366.00
5	Pavement Markings - Thermoplastic	STA	31	\$ 200.00	\$6,200.00	625	\$19,375.00	650	\$20,150.00	669	\$20,739.00
6	Pavement Symbols - Thermoplastic	EACH	10	\$ 700.00	\$7,000.00	775	\$7,750.00	800	\$8,000.00	830	\$8,300.00
7	Remove Pavement	SY	247.9	\$ 80.00	\$19,832.00	30	\$7,437.00	31.5	\$7,808.85	16.25	\$4,028.38
8	Remove Sidewalk	SY	214	\$ 50.00	\$10,700.00	25	\$5,350.00	26	\$5,564.00	16.25	\$3,477.50
9	PCC Pavement Patch 9.5" depth	SY	252.4	\$ 100.00	\$25,240.00	180	\$45,432.00	185	\$46,694.00	135	\$34,074.00
10	PCC Sidewalk, 6" depth	SY	257.16	\$ 75.00	\$19,287.00	80	\$20,572.80	82.5	\$21,215.70	64	\$16,458.24
11	Truncated Domes, AKA Detectable Warning Surface Tiles, Cast Iron	SF	160	\$ 35.00	\$5,600.00	60	\$9,600.00	62.5	\$10,000.00	54	\$8,640.00
12	Pre-Cast Concrete Hand Hole - Intersection Corners	EACH	3	\$ 600.00	\$1,800.00	700	\$2,100.00	550	\$1,650.00	475	\$1,425.00
13	Preformed 30" x 48" x 36" Handhole - Cabinet Corner	EACH	1	\$ 1,000.00	\$1,000.00	1169	\$1,169.00	1200	\$1,200.00	1110	\$1,110.00
14	Conduit - 2" PVC Schedule-40 Trenched	LF	135	\$ 3.00	\$405.00	8.25	\$1,113.75	4.5	\$607.50	6.25	\$843.75
15	Conduit - 2" Innerduct Pushed	LF	380	\$ 14.00	\$5,320.00	16.67	\$6,334.60	11.5	\$4,370.00	11.5	\$4,370.00
16	Conduit - 4" PVC Schedule-40 Trenched	LF	40	\$ 8.00	\$320.00	30.23	\$1,209.20	11.5	\$460.00	9.63	\$385.20
17	Conduit - 4" Innerduct Pushed	LF	380	\$ 20.00	\$7,600.00	43.26	\$16,438.80	20.5	\$7,790.00	17	\$6,460.00
18	Concrete Base - Controller Cabinet w/ Concrete Pads	EACH	1	\$ 900.00	\$900.00	3959.12	\$3,959.12	1000	\$1,000.00	725	\$725.00
19	Concrete Base - Traffic Signal Pole	EACH	4	\$ 3,500.00	\$14,000.00	2063.25	\$8,253.00	2500	\$10,000.00	1900	\$7,600.00
20	Concrete Base - Pedestrian Pole	EACH	1	\$ 2,000.00	\$2,000.00	160	\$160.00	275	\$275.00	350	\$350.00
21	Foundation Anchor - Pedestrian Push Button Pole	EACH	6	\$ 400.00	\$2,400.00	89.33	\$535.98	500	\$3,000.00	722	\$4,332.00
22	Cable - 1 Conductor #6 AWG - Power	LF	565	\$ 1.50	\$847.50	2.44	\$1,378.60	1.5	\$847.50	0.9	\$508.50
23	Cable - 20 Conductor #14 AWG - Signal	LF	830	\$ 3.25	\$2,697.50	2.71	\$2,249.30	5	\$4,150.00	4.28	\$3,552.40
24	Cable - 7 Conductor #14 AWG - Signal	LF	310	\$ 2.00	\$620.00	1.45	\$449.50	1.5	\$465.00	1.03	\$319.30
25	Cable - 5 Conductor #14 AWG - Signal or Push Button	LF	1190	\$ 2.00	\$2,380.00	0.91	\$1,082.90	2	\$2,380.00	0.77	\$916.30
26	Cable - CAT 5E (GRIDSMART)	LF	155	\$ 2.00	\$310.00	1.68	\$260.40	0.6	\$93.00	1.25	\$193.75
27	Cable - 1 Conductor #10 AWG - Tracer	LF	925	\$ 0.50	\$462.50	0.86	\$795.50	0.55	\$508.75	0.39	\$360.75
28	Cable - 1 Conductor #6 AWG - Ground	LF	925	\$ 0.75	\$693.75	0.92	\$851.00	1	\$925.00	0.79	\$730.75
29	Cable - 3 Conductor #20 AWG - Pre-Emption Circuits	LF	805	\$ 0.75	\$603.75	0.56	\$450.80	0.55	\$442.75	0.48	\$386.40
30	Cable - 12/2 with ground UF (Underground Feeder) - Luminaire	LF	645	\$ 1.25	\$806.25	0.79	\$509.55	1.5	\$967.50	1.3	\$838.50
31	Power Disconnect Box/Meter Socket - Cabinet Mounted	EACH	1	\$ 800.00	\$800.00	458.8	\$458.80	400	\$400.00	220	\$220.00
32	ATC Traffic signal cabinet (provided by others)	EACH	4	\$ -	\$-	0	\$0.00	0	\$0.00	0	\$0.00
33	Pre-Emption Phase Selector	EACH	1	\$ 3,000.00	\$3,000.00	2314	\$2,314.00	3000	\$3,000.00	2476	\$2,476.00
34	Pre-Emption Detector	EACH	4	\$ 500.00	\$2,000.00	425	\$1,700.00	550	\$2,200.00	455	\$1,820.00
35	Traffic Signal Head - 12", 3-section, RY>Y>G>, Backplate Mast Arm Mount	EACH	8	\$ 600.00	\$4,800.00	383	\$3,064.00	550	\$4,400.00	410	\$3,280.00
36	Traffic Signal Head - 12", 4-section, R>Y>Y>G>, Backplate, Mast Arm Mount	EACH	4	\$ 800.00	\$3,200.00	468	\$1,872.00	650	\$2,600.00	501	\$2,004.00
37	Traffic Signal Head - 12", 5-section, RYGY>G>, Side Pole Mount	EACH	4	\$ 1,000.00	\$4,000.00	482	\$1,928.00	675	\$2,700.00	516	\$2,064.00
38	Pedestrian Signal Head - 16" x 18", Single Section, Tunnel Visor	EACH	8	\$ 550.00	\$4,400.00	172	\$1,376.00	260	\$2,080.00	185	\$1,480.00
39	Pedestrian Push Button	EACH	8	\$ 500.00	\$4,000.00	532	\$4,256.00	700	\$5,600.00	570	\$4,560.00
40	Pedestrian Push Button Central Control Unit	EACH	1	\$ 3,000.00	\$3,000.00	3195	\$3,195.00	4100	\$4,100.00	3419	\$3,419.00
41	Pedestrian Push Button Pole and Base	EACH	7	\$ 500.00	\$3,500.00	576	\$4,032.00	750	\$5,250.00	623	\$4,361.00
42	48 VDC LED Lens - 12" Red	EACH	12	\$ 65.00	\$780.00	64.5	\$774.00	80	\$960.00	69.1	\$829.20
43	48 VDC LED Lens - 12" Amber	EACH	12	\$ 65.00	\$780.00	64.5	\$774.00	80	\$960.00	69.1	\$829.20
44	48 VDC LED Lens - 12" Green	EACH	12	\$ 65.00	\$780.00	64.5	\$774.00	80	\$960.00	69.1	\$829.20
45	48 VDC LED Lens - 12" Red Arrow	EACH	4	\$ 65.00	\$260.00	71	\$284.00	90	\$360.00	76	\$304.00
46	48 VDC LED Lens - 12" Amber Arrow	EACH	12	\$ 65.00	\$780.00	71	\$852.00	90	\$1,080.00	76	\$912.00
47	48 VDC LED Lens - 12" Green Arrow	EACH	8	\$ 65.00	\$520.00	71	\$568.00	90	\$720.00	76	\$608.00
48	48 VDC LED Lens - 16" x 18" Pedestrian Signal Head with Countdown Display	EACH	8	\$ 150.00	\$1,200.00	177	\$1,416.00	230	\$1,840.00	190	\$1,520.00
49	Pole - 55' Mast Arm (Provided by others)	EACH	3	\$ -	\$-		\$0.00		\$0.00		\$0.00
50	Pole - 65' Mast Arm (Provided by others)	EACH	4	\$ -	\$-		\$0.00		\$0.00		\$0.00
51	Sign- D3	SF	60.8	\$ 45.00	\$2,736.00	42.76	\$2,599.81	52	\$3,161.60	18	\$1,094.40
52	Sign - R3-5L	SF	30.0	\$ 45.00	\$1,350.00	33.33	\$999.90	52	\$1,560.00	15	\$450.00
53	Sign - R10-3E	SF	7.5	\$ 45.00	\$337.50	16	\$120.00	22	\$165.00	15	\$112.50
54	Sign - R10-15R	SF	25.0	\$ 45.00	\$1,125.00	40	\$1,000.00	52	\$1,300.00	15	\$375.00
55	Single Camera Gridsmart Detection System Installation	LS	1	\$ 3,000.00	\$3,000.00	1060	\$1,060.00	1250	\$1,250.00	1200	\$1,200.00
56	In-Line Fusible Disconnect with 10 AMP Fuse	EACH	4	\$ 60.00	\$240.00	39.4	\$157.60	25	\$100.00	50	\$200.00
57	Ground Rod	EACH	5	\$ 60.00	\$300.00	30.1	\$150.50	25	\$125.00	35	\$175.00
58	Removal of Existing Pavement Markings	LS	1	\$ 2,000.00	\$2,000.00	2700	\$2,700.00	3000	\$3,000.00	2890	\$2,890.00
59	Site Restoration	LS	1	\$ 10,000.00	\$10,000.00	4068	\$4,068.00	5500	\$5,500.00	6845	\$6,845.00
<b>SUBTOTAL BASE BID</b>							<b>\$247,323.75</b>	<b>\$293,231.41</b>	<b>\$299,446.15</b>		<b>\$305,758.22</b>