

Project Name: Warner Road & Nevada Street Traffic Signal

Project Number: ST2006.401

Bid Opening Date: 10/28/2021

Engineer's Estimate: \$ 561,084

Item(s)	Description	Quantity	Unit	Engineer's Estimate		B&F Contracting, Inc.		Combs Construction Company, Inc.	
				Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price
1	CONSTRUCTION SURVEYING AND LAYOUT	1	LS	\$35,000.00	\$35,000.00	\$6,340.71	\$6,340.71	\$ 28,000.00	\$28,000.00
2	MOBILIZATION/DEMOBILIZATION	1	LS	\$39,527.00	\$39,527.00	\$7,278.91	\$7,278.91	\$ 67,000.00	\$67,000.00
3	SUBGRADE PREPARATION	267	SY	\$20.00	\$5,340.00	\$14.90	\$3,978.30	\$ 32.00	\$8,544.00
4	AGGREGATE BASE (9")	129	SY	\$80.00	\$10,320.00	\$24.39	\$3,146.31	\$ 51.00	\$6,579.00
5	AGGREGATE BASE (6")	8	SY	\$80.00	\$640.00	\$21.68	\$173.44	\$ 190.00	\$1,520.00
6	ASPHALTIC CONCRETE PAVEMENT (3 IN SURFACE COURSE, A-12.5 EVAC)	129	SY	\$100.00	\$12,900.00	\$47.42	\$6,117.18	\$ 60.00	\$7,740.00
7	ASPHALTIC CONCRETE PAVEMENT (2 IN SURFACE COURSE, A-12.5 EVAC)	8	SY	\$200.00	\$1,600.00	\$119.22	\$953.76	\$ 120.00	\$960.00
8	ASPHALTIC CONCRETE PAVEMENT (3 IN BASE COURSE, A-19 EVAC)	8	SY	\$100.00	\$800.00	\$119.22	\$953.76	\$ 195.00	\$1,560.00
9	PORTLAND CEMENT CONCRETE PAVEMENT (PCCP) (6")	131	SY	\$50.00	\$6,550.00	\$132.09	\$17,303.79	\$ 87.00	\$11,397.00
10	BITUMINOUS TACK COAT SS-1H, DILUTED	143	SY	\$10.00	\$1,430.00	\$0.67	\$95.81	\$ 0.70	\$100.10
11	VERTICAL CURB & GUTTER, TYPE A, H=6 IN, MAG DET 220-1	184	LF	\$25.00	\$4,600.00	\$44.03	\$8,101.52	\$ 48.00	\$8,832.00
12	SINGLE CURB, TYPE A, MAG DET 222	13	LF	\$35.00	\$455.00	\$44.03	\$572.39	\$ 60.00	\$780.00
14	CONCRETE SIDEWALK, MAG DET 230	1318	SF	\$10.00	\$13,180.00	\$9.49	\$12,507.82	\$ 9.25	\$12,191.50
15	CONCRETE CURB RAMP WITH DETECTABLE WARNING, COC DET C-258	3	EA	\$4,500.00	\$13,500.00	\$4,606.50	\$13,819.50	\$ 6,000.00	\$18,000.00
16	CONCRETE CURB RAMP WITH DETECTABLE WARNING, COC DET C-258 (MODIFIED)	1	EA	\$4,500.00	\$4,500.00	\$4,606.50	\$4,606.50	\$ 6,000.00	\$6,000.00
17	CONCRETE APRON AND VALLEY GUTTER, MAG DET 240	692	SF	\$20.00	\$13,840.00	\$24.72	\$17,106.24	\$ 18.00	\$12,456.00
18	INTERLOCKING CONCRETE PAVERS	2	SY	\$100.00	\$200.00	\$270.98	\$541.96	\$ 450.00	\$900.00
19	ADJUST VALVE BOX & COVER, MAG DET 391-1 AND COC DET C-307	5	EA	\$600.00	\$3,000.00	\$812.92	\$4,064.60	\$ 450.00	\$2,250.00
20	REMOVAL OF ASPHALTIC CONCRETE PAVEMENT	127	SY	\$40.00	\$5,080.00	\$25.74	\$3,268.98	\$ 65.00	\$8,255.00
21	REMOVE CONCRETE SINGLE CURB	76	LF	\$10.00	\$760.00	\$25.74	\$1,956.24	\$ 24.00	\$1,824.00
22	REMOVE CONCRETE CURB AND GUTTER	207	LF	\$10.00	\$2,070.00	\$13.54	\$2,802.78	\$ 20.00	\$4,140.00
23	REMOVE CONCRETE SIDEWALK	1358	SF	\$4.00	\$5,432.00	\$2.71	\$3,680.18	\$ 4.50	\$6,111.00
24	REMOVE CONCRETE DRIVEWAY	1288	SF	\$6.00	\$7,728.00	\$3.38	\$4,353.44	\$ 3.35	\$4,314.80
25	REMOVE VALLEY GUTTER	914	SF	\$6.00	\$5,484.00	\$5.42	\$4,953.88	\$ 4.50	\$4,113.00
26	REMOVE (CONCRETE PAVERS)	16	SF	\$15.00	\$240.00	\$24.39	\$390.24	\$ 13.00	\$208.00
27	REMOVE STREET LIGHT POLE FOUNDATIONS & SALVAGE STREETLIGHT POLES/EQUIPMENT	1	EA	\$1,500.00	\$1,500.00	\$1,842.16	\$1,842.16	\$ 3,500.00	\$3,500.00
28	REMOVE SIGNS	1	LS	\$750.00	\$750.00	\$474.20	\$474.20	\$ 500.00	\$500.00
29	TRAFFIC CONTROL	1	LS	\$31,621.60	\$31,621.60	\$73,191.95	\$73,191.95	\$ 41,000.00	\$41,000.00
30	ALLOWANCE: UNIFORMED OFF-DUTY LAW ENFORCEMENT OFFICER	1	AL	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$ 2,000.00	\$2,000.00
31	SURVEY MARKER, TYPE B, MAG DET 120	1	EA	\$250.00	\$250.00	\$203.23	\$203.23	\$ 300.00	\$300.00
32	DECOMPOSED GRANITE (TO MATCH EXISTING)	38	SF	\$40.00	\$1,520.00	\$2.32	\$88.16	\$ 14.00	\$532.00
33	REMOVE THERMOPLASTIC STRIPE	87	LF	\$10.00	\$870.00	\$0.88	\$76.56	\$ 0.75	\$65.25
34	4 IN WHITE TRAFFIC PAINT STRIPE	1430	LF	\$0.50	\$715.00	\$0.61	\$872.30	\$ 0.50	\$715.00
35	4 IN YELLOW TRAFFIC PAINT STRIPE	12	LF	\$0.50	\$6.00	\$0.61	\$7.32	\$ 0.50	\$6.00
36	PAINT MEDIAN NOSE	1	EA	\$250.00	\$250.00	\$108.39	\$108.39	\$ 92.00	\$92.00
37	4 IN WHITE THERMOPLASTIC TRAFFIC STRIPE	5178	LF	\$1.50	\$7,767.00	\$0.81	\$4,194.18	\$ 0.70	\$3,624.60
38	4 IN YELLOW THERMOPLASTIC TRAFFIC STRIPE	654	LF	\$1.50	\$981.00	\$0.81	\$529.74	\$ 0.70	\$457.80
39	THERMOPLASTIC/PREFORMED SYMBOL LEFT TURN ARROW	5	EA	\$160.00	\$800.00	\$447.10	\$2,235.50	\$ 380.00	\$1,900.00
40	THERMOPLASTIC/PREFORMED SYMBOL RIGHT TURN ARROW	2	EA	\$160.00	\$320.00	\$447.10	\$894.20	\$ 380.00	\$760.00
41	REFLECTORIZED RAISED PAVEMENT MARKER (TYPE G, CLEAR, 1-WAY)	68	EA	\$4.00	\$272.00	\$5.42	\$368.56	\$ 4.50	\$306.00
42	PERFORATED SIGN POST	22	LF	\$15.00	\$330.00	\$16.25	\$357.50	\$ 14.00	\$308.00
43	PERFORATED SIGN POST FOUNDATION	2	EA	\$200.00	\$400.00	\$338.71	\$677.42	\$ 285.00	\$570.00
44	FLAT SHEET ALUMINUM SIGN PANEL, HIGH INTENSITY GRADE	15	SF	\$30.00	\$435.00	\$32.52	\$487.80	\$ 27.00	\$405.00
45	NO. 7 PULL BOX	3	EA	\$725.00	\$2,175.00	\$1,770.87	\$5,312.61	\$ 695.00	\$2,085.00
46	NO. 7 PULL BOX WITH EXTENSION	1	EA	\$775.00	\$775.00	\$2,277.99	\$2,277.99	\$ 870.00	\$870.00
47	SCH. 40 PVC ELECTRICAL CONDUIT, 2 IN	25	LF	\$20.00	\$500.00	\$23.38	\$584.50	\$ 13.00	\$325.00
48	SCH. 40 PVC ELECTRICAL CONDUIT, 2 1/2 IN	50	LF	\$25.00	\$1,250.00	\$26.20	\$1,310.00	\$ 18.00	\$900.00
49	SCH. 40 PVC ELECTRICAL CONDUIT, 3 IN	285	LF	\$25.00	\$7,125.00	\$26.57	\$7,572.45	\$ 22.00	\$6,270.00
50	SCH. 40 PVC ELECTRICAL CONDUIT, 2-4 IN	15	LF	\$35.00	\$525.00	\$41.73	\$625.95	\$ 28.00	\$420.00
51	SCH. 40 PVC ELECTRICAL CONDUIT, 4 IN	120	LF	\$30.00	\$3,600.00	\$30.68	\$3,681.60	\$ 28.00	\$3,360.00
52	SCH. 40 PVC ELECTRICAL CONDUIT, 4 IN (DIRECTIONAL DRILL)	210	LF	\$52.00	\$10,920.00	\$56.08	\$11,776.80	\$ 70.00	\$14,700.00
53	POLE FOUNDATION, TYPE A	1	EA	\$800.00	\$800.00	\$1,837.00	\$1,837.00	\$ 780.00	\$780.00
54	POLE FOUNDATION, TYPE K	1	EA	\$2,500.00	\$2,500.00	\$7,971.56	\$7,971.56	\$ 6,000.00	\$6,000.00
55	POLE FOUNDATION, TYPE Q	1	EA	\$2,500.00	\$2,500.00	\$7,971.56	\$7,971.56	\$ 6,000.00	\$6,000.00
56	POLE FOUNDATION, TYPE R	2	EA	\$2,500.00	\$5,000.00	\$7,971.56	\$15,943.12	\$ 6,000.00	\$12,000.00
57	PEDESTRIAN PUSH BUTTON POST FOUNDATION	8	EA	\$650.00	\$5,200.00	\$932.35	\$7,458.80	\$ 600.00	\$4,800.00
58	VIDEO DETECTION SYSTEM (4-CAMERA)	1	LS	\$35,000.00	\$35,000.00	\$50,265.35	\$50,265.35	\$ 45,000.00	\$45,000.00
59	INSTALL CITY FURNISHED TYPE A SIGNAL POLE	1	EA	\$350.00	\$350.00	\$656.48	\$656.48	\$ 140.00	\$140.00
60	INSTALL CITY FURNISHED TYPE Q SIGNAL POLE	1	EA	\$800.00	\$800.00	\$1,285.58	\$1,285.58	\$ 930.00	\$930.00
61	INSTALL CITY FURNISHED TYPE R SIGNAL POLE	2	EA	\$800.00	\$1,600.00	\$1,264.76	\$2,529.52	\$ 1,070.00	\$2,140.00
62	FURNISH AND INSTALL TYPE K-MODIFIED SIGNAL POLE	1	EA	\$600.00	\$600.00	\$14,602.43	\$14,602.43	\$ 10,500.00	\$10,500.00
63	FURNISH AND INSTALL PEDESTRIAN PUSH BUTTON POST	8	EA	\$600.00	\$4,800.00	\$437.51	\$3,500.08	\$ 750.00	\$6,000.00
64	FURNISH AND INSTALL PEDESTRIAN PUSH BUTTON	8	EA	\$850.00	\$6,800.00	\$216.57	\$1,732.56	\$ 1,300.00	\$10,400.00
65	INSTALL CITY FURNISHED 20 FT MAST ARM (TAPERED)	3	EA	\$250.00	\$750.00	\$567.27	\$1,701.81	\$ 85.00	\$255.00
66	INSTALL CITY FURNISHED 40 FT MAST ARM (TAPERED)	1	EA	\$400.00	\$400.00	\$850.90	\$850.90	\$ 750.00	\$750.00
67	INSTALL CITY FURNISHED 45 FT MAST ARM (TAPERED)	2	EA	\$450.00	\$900.00	\$850.90	\$1,701.80	\$ 925.00	\$1,850.00
68	INSTALL CITY FURNISHED 55 FT MAST ARM (TAPERED)	1	EA	\$550.00	\$550.00	\$1,362.32	\$1,362.32	\$ 1,750.00	\$1,750.00
69	METER PEDESTAL CABINET	1	EA	\$4,500.00	\$4,500.00	\$5,058.75	\$5,058.75	\$ 2,800.00	\$2,800.00
70	METER PEDESTAL FOUNDATION	1	EA	\$1,200.00	\$1,200.00	\$2,515.35	\$2,515.35	\$ 900.00	\$900.00
71	CONTROL CABINET (MCCAIN 350I ATC)	1	EA	\$35,000.00	\$35,000.00	\$36,687.67	\$36,687.67	\$ 38,000.00	\$38,000.00
72	CONTROL CABINET FOUNDATION	1	EA	\$1,500.00	\$1,500.00	\$6,010.91	\$6,010.91	\$ 2,500.00	\$2,500.00
73	OPTICOM PRE-EMPTION UNIT	1	EA	\$6,000.00	\$6,000.00	\$13,929.56	\$13,929.56	\$ 15,000.00	\$15,000.00
74	TRAFFIC SIGNAL MOUNTING ASSEMBLY (TYPE II)	8	EA	\$275.00	\$2,200.00	\$186.31	\$1,490.48	\$ 155.00	\$1,240.00
75	TRAFFIC SIGNAL MOUNTING ASSEMBLY (TYPE VI)	1	EA	\$500.00	\$500.00	\$715.31	\$715.31	\$ 245.00	\$245.00
76	TRAFFIC SIGNAL MOUNTING ASSEMBLY (TYPE VII)	6	EA	\$650.00	\$3,900.00	\$693.63	\$4,161.78	\$ 500.00	\$3,000.00
77	TRAFFIC SIGNAL MOUNTING ASSEMBLY (TYPE XI)	2	EA	\$300.00	\$600.00	\$718.02	\$1,436.04	\$ 360.00	\$720.00
78	SIGN ASSEMBLY (IISNS)	4	EA	\$10,000.00	\$40,000.00	\$6,503.30	\$26,013.20	\$ 6,500.00	\$26,000.00
79	TRAFFIC SIGNAL (FLASHING ARROW YELLOW FACE)(LED)	4	EA	\$1,000.00	\$4,000.00	\$764.08	\$3,056.32	\$ 550.00	\$2,200.00
80	TRAFFIC SIGNAL FACE (TYPE F)(LED)	12	EA	\$800.00	\$9,600.00	\$546.42	\$6,557.04	\$ 575.00	\$6,900.00
81	TRAFFIC SIGNAL FACE (PEDESTRIAN) (MAN/HAND)(LED)	8	EA	\$650.00	\$5,200.00	\$535.11	\$4,280.88	\$ 400.00	\$3,200.00
82	LED STREETLIGHT LUMINAIRE	3	EA	\$3,000.00	\$9,000.00	\$550.02	\$1,650.06	\$ 640.00	\$1,920.00
83	CONDUCTORS (SIGNALS AND SIGNAL LIGHTING)	1	LS	\$25,000.00	\$25,000.00	\$19,782.31	\$19,782.31	\$ 40,000.00	\$40,000.00
84	CCTV CAMERA AND FIELD EQUIPMENT	1	EA	\$5,000.00	\$5,000.00	\$5,690.38	\$5,690.38	\$ 12,000.00	\$12,000.00
85	FIELD HARDENED ETHERNET SWITCH	1	EA	\$1,500.00	\$1,500.00	\$3,929.07	\$3,929.07	\$ 10,000.00	\$10,000.00
86	MISCELLANEOUS WORK (ENCOM WIRELESS, E-LITE 5.8 INT)	2	EA	\$2,500.00	\$5,000.00	\$5,961.35	\$11,922.70	\$ 11,000.00	\$22,000.00
87	REMOVE AND INSTALL FIRE HYDRANT	1	EA	\$5,000.00	\$5,000.00	\$10,512.36	\$10,512.36	\$ 10,000.00	\$10,000.00
88	ADJUST SANITARY SEWER MANHOLE FRAME & COVER, MAG DET 422, COC DET C-400 & C-401	1	EA	\$1,000.00	\$1,000.00	\$2,091.46	\$2,091.46	\$ 1,600.00	\$1,600.00
89	ALLOWANCE: TRAFFIC SIGNAL AND COMMUNICATIONS FACILITIES	1	AL	\$40,000.00	\$40,000.00	\$40,000.00	\$40,000.00	\$ 40,000.00	\$40,000.00
90	ALLOWANCE: REMOVALS	1	AL	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$ 15,000.00	\$15,000.00
BID TOTAL					\$561,083.60		\$594,681.81		\$674,267.05
							\$594,681.82		\$674,267.05
							\$0.01		\$0.00