

## PROJECT UNIT COST ANALYSIS

### ESTIMATE OF QUANTITIES

PROJECT ID 2025-11-90  
WEST CAPITOL DRIVE - NORTH 60TH STREET TO NORTH 84TH STREET  
STH 190  
MILWAUKEE COUNTY

Item No.	Std. Bid Item No.	Description	Unit	Quantity	Excluded Costs	City Unit	City Total
71033	SPV.0060.001	Opticom 711 Detector w/ Selector Card	Each	12	\$ 25,923.00	\$ 2,586.10	\$ 31,033.15
71034	SPV.0060.002	Opticom 721 Detector w/ Selector Card	Each	1	\$ 2,215.25	\$ 2,646.68	\$ 2,646.68
71035	SPV.0060.003	Opticom Flood Lights	Each	16	\$ 666.08	\$ 213.57	\$ 3,417.09
71040	SPV.0105.001	Vehicular Microwave Detection System	LS	1	\$ 8,400.00	\$ 10,906.14	\$ 10,906.14
71057	658.0215	Backplates Signal Face 3 Section 12-inch	Each	28	\$ 1,008.00	\$ 65.50	\$ 1,834.00
71060	658.0120	Traffic Signal Face 5-12 Inch Vertical	Each	6	\$ 2,964.54	\$ 841.13	\$ 5,046.75
71062	658.0110	Traffic Signal Face 3-12 Inch Vertical	Each	70	\$ 23,022.30	\$ 510.71	\$ 35,749.50
71065	658.0500	Pedestrian Push Buttons	Each	20	\$ 633.60	\$ 138.29	\$ 2,765.82
71066LC	658.0412	Pedestrian Signal Face 12-Inch	Each	30	\$ 4,637.70	\$ 322.05	\$ 9,661.44
71067	SPV.0060.004	Pedestrian Countdown Signal Face 12-Inch	Each	30	\$ 4,566.90	\$ 319.45	\$ 9,583.46
71079	SPV.0060.005	PV Traffic Signal Face 5-12 Inch (512M)	Each	2	\$ 6,040.22	\$ 3,826.77	\$ 7,653.54
71154	SPV.0090.001	Opticom Cable	LF	2,420	\$ 992.20	\$ 3.16	\$ 7,652.76
71156	SPV.0090.002	Cable Traffic Signal Loop Lead-In	LF	2,550	\$ 765.00	\$ 3.04	\$ 7,754.90
71161	SPV.0090.003	Cable Service 3 #4/1 #8 LTP	LF	1,175	\$ 3,066.75	\$ 5.07	\$ 5,954.21
71170	655.0250	Cable Traffic Signal 9-14 AWG	LF	625	\$ 481.25	\$ 3.56	\$ 2,224.78
71171	655.0260	Cable Traffic Signal 12-14 AWG	LF	775	\$ 751.75	\$ 3.78	\$ 2,929.32
71172	SPV.0090.004	Cable Traffic Signal 17-14 AWG	LF	3,575	\$ 5,291.00	\$ 4.34	\$ 15,518.85
71173	SPV.0090.005	Cable Traffic Signal 20-14 AWG	LF	2,565	\$ 3,642.30	\$ 4.27	\$ 10,965.15
71174	SPV.0090.006	Cable Traffic Signal Interconnect 9-14 AWG	LF	10,000	\$ 7,700.00	\$ 8.98	\$ 89,802.16
71176	674.0300	Remove Cable	LF	3,660	\$ -	\$ 1.03	\$ 3,784.39
71188	SPV.0060.006	Rectangular Vault 13"x24"x18"	Each	2	\$ 449.62	\$ 382.58	\$ 765.15
71190	SPV.0060.007	Mast Arm Fabricated	Each	7	\$ 413.35	\$ 1,589.81	\$ 11,128.64
71191	SPV.0060.008	Mast Arm Pole	Each	7	\$ 11,389.77	\$ 2,324.96	\$ 16,274.69
71195	SPV.0060.009	Signal Standard 5'	Each	1	\$ 530.88	\$ 1,036.77	\$ 1,036.77
71197	SPV.0060.010	Signal Standard 13'	Each	31	\$ 20,972.43	\$ 1,197.16	\$ 37,112.08
71198	SPV.0060.011	Signal Standard 1' Extension	Each	31	\$ 1,468.47	\$ 103.87	\$ 3,220.07
71199	SPV.0060.012	Signal Standard 2' Extension	Each	4	\$ 343.88	\$ 146.39	\$ 585.55
71700	SPV.0060.013	Signal Housing Relocated	Each	6	\$ -	\$ 310.20	\$ 1,861.17
73294	SPV.0060.014	Socket 3' RSP	Each	146	\$ 3,928.86	\$ 49.37	\$ 7,207.85
73295	SPV.0060.015	Socket (Concrete Install)	Each	8	\$ 118.00	\$ 45.84	\$ 366.73
73296	SPV.0060.016	Pipe 2"x9'6"	Each	107	\$ 3,297.74	\$ 37.89	\$ 4,054.37
73298	SPV.0060.017	Pipe 2"x11'0"	Each	47	\$ 927.78	\$ 25.69	\$ 1,207.34
73299	637.0202	Signs Reflective Type II	SF	1,177	\$ 7,191.47	\$ 13.58	\$ 15,985.38

**TOTAL CITY COST \$ 367,689.88**  
**TOTAL EXCLUDED COSTS \$ 153,800.09**

APPROVED BY:

ROBERT W. BRYSON  
CHIEF TRAFFIC AND LIGHTING ENGINEER

TRANSPORTATION SECTION  
TRAFFIC AND LIGHTING DESIGN UNIT  
JOSEPH C. BLAKEMAN  
REVISED: NOVEMBER 18, 2011

\* Please note that the Total City Cost includes the embedded costs of mobilization, traffic control, mounting hardware, equipment removal, and construction staking electrical installations which are included in the times used for calculating City Unit Costs on the attached worksheets.