

PROJECT UNIT COST ANALYSIS

ESTIMATE OF QUANTITIES

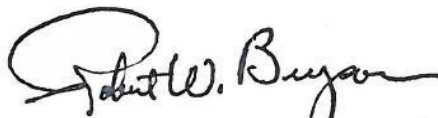
PROJECT ID 2025-01-92
 W. CAPITOL DRIVE - 12 CONNECTING HIGHWAY INTERSECTIONS
 STH 190
 MILWAUKEE COUNTY

Item No.	Std. Bid Item No.	Description	Unit	Quantity	Excluded Costs	City Unit	City Total
71033	SPV.0060.01	Opticom 711 Detector w/ Selector Card	Each	15	\$ 9,635.40	\$ 902.44	\$ 13,536.56
71034	SPV.0060.02	Opticom 721 Detector w/ Selector Card	Each	1	\$ 676.34	\$ 938.56	\$ 938.56
71035	SPV.0060.03	Opticom Confirmation Light Assembly	Each	19	\$ 793.25	\$ 222.12	\$ 4,220.32
71040	SPV.0060.04	Vehicular Microwave Detection System	Each	1	\$ 4,200.00	\$ 6,221.17	\$ 6,221.17
71052	SPV.0060.05	Solid State Controller Installed	Each	12	\$ 140,725.68	\$ 15,777.75	\$ 189,332.98
71056	658.0220	Backplates Signal Face 4 Section 12-inch	Each	3	\$ 131.67	\$ 74.09	\$ 222.28
71057	658.0215	Backplates Signal Face 3 Section 12-inch	Each	117	\$ 3,861.00	\$ 62.52	\$ 7,314.34
71060	658.0120	Traffic Signal Face 5-12 Inch Vertical	Each	1	\$ 406.06	\$ 645.19	\$ 645.19
71061	658.0115	Traffic Signal Face 4-12 Inch Vertical	Each	46	\$ 15,792.26	\$ 552.54	\$ 25,417.05
71062	658.0110	Traffic Signal Face 3-12 Inch Vertical	Each	160	\$ 41,452.80	\$ 437.05	\$ 69,928.13
71065	658.0500	Pedestrian Push Buttons	Each	3	\$ 96.00	\$ 143.73	\$ 431.20
71080	658.1115	Programmable Traffic Signal Face 4-12 Vertical	Each	2	\$ 4,461.82	\$ 2,799.00	\$ 5,598.00
71143	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	10	\$ 0.70	\$ 8.52	\$ 85.20
71145	652.0230	Conduit Rigid Nonmetallic Schedule 40 2 1/2-Inch	LF	30	\$ 0.90	\$ 8.48	\$ 254.33
71147	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	50	\$ 2.50	\$ 8.50	\$ 424.97
71154	655.0900	Traffic Signal EVP Detector Cable	LF	8,700	\$ 3,567.00	\$ 3.29	\$ 28,643.78
71170	655.0250	Cable Traffic Signal 9-14 AWG	LF	1,950	\$ 1,228.50	\$ 3.53	\$ 6,876.30
71171	655.0260	Cable Traffic Signal 12-14 AWG	LF	260	\$ 208.00	\$ 3.71	\$ 963.85
71172	SPV.0090.01	Cable Traffic Signal 17-14 AWG	LF	3,130	\$ 3,568.20	\$ 4.07	\$ 12,734.73
71173	SPV.0090.02	Cable Traffic Signal 20-14 AWG	LF	9,740	\$ 13,441.20	\$ 4.32	\$ 42,113.71
71174	SPV.0090.03	Cable Traffic Signal Interconnect 9-14 AWG	LF	140	\$ 88.20	\$ 6.38	\$ 893.59
71189	SPV.0060.06	Polymer Concrete Vault 17"x30"x18"	Each	1	\$ 269.23	\$ 430.25	\$ 430.25
71195	SPV.0060.07	Signal Standard 5'	Each	4	\$ 2,253.00	\$ 1,080.63	\$ 4,322.51
71197	SPV.0060.08	Signal Standard 13' or 14'	Each	10	\$ 7,082.70	\$ 1,234.83	\$ 12,348.27
71198	SPV.0060.09	Signal Standard 1' Extension	Each	3	\$ 181.80	\$ 119.29	\$ 357.88
71199	SPV.0060.10	Signal Standard 2' Extension	Each	1	\$ 85.97	\$ 146.27	\$ 146.27
71700	SPV.0060.11	Signal Housing Relocated	Each	2	\$ -	\$ 329.13	\$ 658.25
73299	637.2220	Signs Type II Reflective SH	SF	252	\$ 1,539.72	\$ 13.44	\$ 3,387.51

LFA CONSTRUCTION COST \$ 438,447.18
STATE REVIEW COST (8%) \$ 35,075.77
TOTAL PROJECT COST \$ 473,522.95

LFA EXCLUDED COST \$ 255,749.90

APPROVED BY:



ROBERT W. BRYSON
 CHIEF TRAFFIC AND LIGHTING ENGINEER

TRANSPORTATION SECTION
 TRAFFIC AND LIGHTING DESIGN UNIT
 JOSEPH C. BLAKEMAN
 REVISED: NOVEMBER 13, 2014

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