

PROJECT UNIT COST ANALYSIS

ESTIMATE OF QUANTITIES

PROJECT ID 2080-00-91

N. TEUTONIA AV. - W. CAPITOL DR. TO W. RUBY AV.

LOCAL STREET

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	8	\$ 9,074.96	\$ 1,410.42	\$ 11,283.34
71035	SPV.0060.02	Opticom Confirmation Light Assembly	Each	8	\$ 333.04	\$ 209.86	\$ 1,678.84
71040	SPV.0060.03	Vehicular Microwave Detection System	Each	6	\$ 25,200.00	\$ 6,099.80	\$ 36,598.81
71052	SPV.0060.04	Solid State Controller Installed	Each	3	\$ 28,485.21	\$ 13,181.75	\$ 39,545.26
71053	SPV.0060.05	ATC Controller Upgrade	Each	1	\$ 3,101.00	\$ 4,149.23	\$ 4,149.23
71057	658.0215	Backplates Signal Face 3 Section 12-inch	Each	18	\$ 648.00	\$ 63.81	\$ 1,148.59
71061	658.0115	Traffic Signal Face 4-12 Inch Vertical	Each	4	\$ 1,289.32	\$ 588.09	\$ 2,352.36
71062	658.0110	Traffic Signal Face 3-12 Inch Vertical	Each	46	\$ 11,432.38	\$ 461.87	\$ 21,246.23
71065	658.0500	Pedestrian Push Buttons	Each	11	\$ 348.48	\$ 135.81	\$ 1,493.87
71066	658.0412	Pedestrian Signal Face 12-Inch	Each	16	\$ 2,124.96	\$ 291.08	\$ 4,657.34
71067	SPV.0060.06	Pedestrian Countdown Signal Face 12-Inch	Each	16	\$ 2,124.96	\$ 291.08	\$ 4,657.34
71143	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	80	\$ 4.80	\$ 8.14	\$ 651.14
71145	652.0230	Conduit Rigid Nonmetallic Schedule 40 2 1/2-Inch	LF	30	\$ 0.60	\$ 8.10	\$ 242.91
71154	655.0900	Traffic Signal EVP Detector Cable	LF	1,500	\$ 615.00	\$ 3.11	\$ 4,672.13
71156	SPV.0090.01	Cable Traffic Signal Loop Lead-In	LF	305	\$ 91.50	\$ 3.00	\$ 914.85
71161	SPV.0090.02	Cable Service 3 #4/1 #8 LTP	LF	210	\$ 548.10	\$ 4.94	\$ 1,037.32
71170	655.0250	Cable Traffic Signal 9-14 AWG	LF	1,590	\$ 1,224.30	\$ 3.50	\$ 5,561.08
71171	655.0260	Cable Traffic Signal 12-14 AWG	LF	335	\$ 324.95	\$ 3.71	\$ 1,243.45
71172	SPV.0090.03	Cable Traffic Signal 17-14 AWG	LF	1,480	\$ 2,190.40	\$ 4.25	\$ 6,293.65
71173	SPV.0090.04	Cable Traffic Signal 20-14 AWG	LF	690	\$ 979.80	\$ 4.19	\$ 2,890.17
71174	SPV.0090.05	Cable Traffic Signal Interconnect 9-14 AWG	LF	4,590	\$ 3,534.30	\$ 6.18	\$ 28,349.27
71176	674.0300	Remove Cable	LF	2,000	\$ -	\$ 1.02	\$ 2,042.43
71189	SPV.0060.07	Polymer Concrete Vault 17"x30"x18"	Each	1	\$ 269.23	\$ 419.50	\$ 419.50
71195	SPV.0060.08	Signal Standard 5'	Each	2	\$ 1,061.76	\$ 1,010.77	\$ 2,021.54
71197	SPV.0060.09	Signal Standard 14'	Each	11	\$ 7,441.83	\$ 1,165.64	\$ 12,822.07
71198	SPV.0060.10	Signal Standard 1' Extension	Each	4	\$ 189.48	\$ 101.43	\$ 405.71
71200	SPV.0060.11	Signal Standard 3' Extension	Each	2	\$ 257.92	\$ 188.19	\$ 376.37
71700	SPV.0060.12	Signal Housing Relocated	Each	3	\$ -	\$ 306.36	\$ 919.09
71826	SPV.0060.13	Signal Standard Relocated	Each	4	\$ -	\$ 408.49	\$ 1,633.94
73288	638.2602	Removing Signs Type II	Each	123	\$ -	\$ 5.85	\$ 719.02
73289	638.3000	Removing Small Sign Supports	Each	49	\$ -	\$ 9.74	\$ 477.39
73291	SPV.0060.14	Socket 3' RSP	Each	54	\$ 1,453.14	\$ 48.10	\$ 2,597.32
73292	SPV.0060.15	Socket (Concrete Install)	Each	10	\$ 147.50	\$ 44.91	\$ 449.14
73295	SPV.0060.16	Sign Pipe 2"	Each	60	\$ 1,184.40	\$ 24.89	\$ 1,493.19
73296	SPV.0060.17	Pushbutton Pipe Standard 2"x5'	Each	4	\$ 78.96	\$ 24.89	\$ 99.55
73299	637.2220	Signs Type II Reflective SH	SF	920	\$ 5,621.20	\$ 13.26	\$ 12,200.72

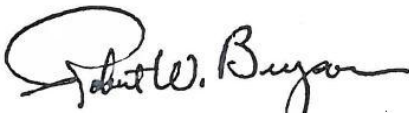
LFA CONSTRUCTION COST \$ 219,344.16

LFA EXCLUDED COST \$ 111,381.48

STATE REVIEW COST \$ 32,901.62

TOTAL PROJECT COST \$ 252,245.78

APPROVED BY:



ROBERT W. BRYSON
CHIEF TRAFFIC AND LIGHTING ENGINEER

TRANSPORTATION SECTION
TRAFFIC AND LIGHTING DESIGN UNIT
JOSEPH C. BLAKEMAN
REVISED: JUNE 30, 2014

* 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.