

PROJECT UNIT COST ANALYSIS

ESTIMATE OF QUANTITIES

PROJECT ID 2060-11-90

S. HOWELL AVE. - E. LAYTON AVE. TO E. HOWARD AVE.

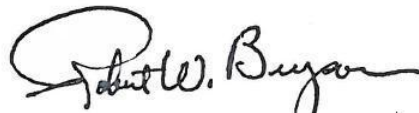
STH 38

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	4	\$ 5,207.60	\$ 1,585.65	\$ 6,342.58
71035	SPV.0060.02	Opticom Confirmation Light Assembly	Each	5	\$ 208.75	\$ 207.99	\$ 1,039.97
71040	SPV.0060.03	Vehicular Microwave Detection System	Each	5	\$ 21,000.00	\$ 5,271.20	\$ 26,356.02
71052	SPV.0060.04	Solid State Controller Installed	Each	2	\$ 23,454.28	\$ 15,534.12	\$ 31,068.23
71057	658.0215	Backplates Signal Face 3 Section 12-inch	Each	8	\$ 264.00	\$ 60.26	\$ 482.05
71060	658.0120	Traffic Signal Face 5-12 Inch Vertical	Each	2	\$ 812.12	\$ 721.81	\$ 1,443.62
71061	658.0115	Traffic Signal Face 4-12 Inch Vertical	Each	8	\$ 2,746.48	\$ 607.74	\$ 4,861.93
71062	658.0110	Traffic Signal Face 3-12 Inch Vertical	Each	25	\$ 6,477.00	\$ 470.84	\$ 11,770.89
71064GAL	658.0625	LED Modules 12-Inch Green Arrow	Each	15	\$ 500.85	\$ 79.11	\$ 1,186.58
71064YAL	658.0620	LED Modules 12-Inch Yellow Arrow	Each	32	\$ 961.29	\$ 75.75	\$ 2,424.14
71064RAL	658.0615	LED Modules 12-Inch Red Arrow	Each	17	\$ 598.72	\$ 80.93	\$ 1,375.88
71065	658.0500	Pedestrian Push Buttons	Each	4	\$ 128.00	\$ 134.69	\$ 538.77
71066	658.0412	Pedestrian Signal Face 12-Inch	Each	12	\$ 1,944.12	\$ 320.28	\$ 3,843.32
71067	SPV.0060.05	Pedestrian Countdown Signal Face 12-Inch	Each	12	\$ 1,975.08	\$ 323.02	\$ 3,876.24
71111	655.0400	Communication Cable Plowed	LF	440	\$ 660.00	\$ 2.60	\$ 1,144.71
71154	655.0900	Traffic Signal EVP Detector Cable	LF	790	\$ 323.90	\$ 3.07	\$ 2,422.46
71157	655.0410	Communication Cable Installed in Conduit	LF	220	\$ 124.22	\$ 2.85	\$ 627.09
71161	SPV.0090.01	Cable Service 3 #4/1 #8 LTP	LF	185	\$ 438.45	\$ 4.66	\$ 862.14
71171	655.0260	Cable Traffic Signal 12-14 AWG	LF	110	\$ 88.00	\$ 3.48	\$ 382.94
71172	SPV.0090.02	Cable Traffic Signal 17-14 AWG	LF	930	\$ 1,060.20	\$ 3.84	\$ 3,573.62
71173	SPV.0090.03	Cable Traffic Signal 20-14 AWG	LF	950	\$ 1,311.00	\$ 4.10	\$ 3,892.92
71176	674.0300	Remove Cable	LF	670	\$ -	\$ 1.01	\$ 674.50
71190	SPV.0060.06	Mast Arm Fabricated	Each	5	\$ 6,125.00	\$ 2,608.58	\$ 13,042.88
71191	SPV.0060.07	Mast Arm Pole	Each	2	\$ 3,665.58	\$ 2,482.33	\$ 4,964.66
71197	SPV.0060.08	Signal Standard 14'	Each	9	\$ 6,374.43	\$ 1,194.15	\$ 10,747.36
71198	SPV.0060.09	Signal Standard 1' Extension	Each	1	\$ 60.60	\$ 114.79	\$ 114.79
71199	SPV.0060.10	Signal Standard 2' Extension	Each	4	\$ 343.88	\$ 141.75	\$ 566.99
71700	SPV.0060.11	Signal Housing Relocated	Each	1	\$ -	\$ 302.00	\$ 302.00
73288	638.2602	Removing Signs Type II	Each	144	\$ -	\$ 5.76	\$ 829.05
73289	638.3000	Removing Small Sign Supports	Each	60	\$ -	\$ 9.60	\$ 575.73
73291	SPV.0060.12	Socket 3' RSP	Each	36	\$ 1,242.36	\$ 55.89	\$ 2,011.88
73292	SPV.0060.13	Socket (Concrete Install)	Each	28	\$ 604.24	\$ 51.73	\$ 1,448.52
73295	SPV.0060.14	Sign Pipe 2"	Each	64	\$ 3,456.00	\$ 61.26	\$ 3,920.41
73299	637.2220	Signs Type II Reflective SH	SF	570	\$ 3,482.70	\$ 13.18	\$ 7,510.40

LFA CONSTRUCTION COST \$ 156,225.27
LFA EXCLUDED COST \$ 95,638.85
STATE REVIEW COST (8%) \$ 12,498.02
TOTAL PROJECT COST \$ 168,723.29

APPROVED BY:



ROBERT W. BRYSON
CHIEF TRAFFIC AND LIGHTING ENGINEER

TRANSPORTATION SECTION
TRAFFIC AND LIGHTING DESIGN UNIT
JOSEPH C. BLAKEMAN

REVISED: SEPTEMBER 10, 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.