

PROJECT UNIT COST ANALYSIS

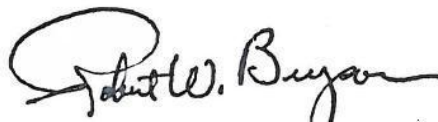
ESTIMATE OF QUANTITIES

PROJECT ID 2984-04-97
 INSTALL MAST ARMS - 6 LOCAL STREET INTERSECTIONS
 LOCAL STREETS
 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	12	\$ 10,346.52	\$ 1,115.86	\$ 13,390.29
71034	SPV.0060.02	Opticom 721 Detector w/ Selector Card	Each	1	\$ 2,215.25	\$ 2,554.55	\$ 2,554.55
71035	SPV.0060.03	Opticom Confirmation Light Assembly	Each	14	\$ 584.50	\$ 110.73	\$ 1,550.25
71052	SPV.0060.04	Solid State Controller Installed	Each	3	\$ 35,181.42	\$ 15,497.72	\$ 46,493.16
71055	658.0225	Backplates Signal Face 5 Section 12-inch	Each	4	\$ 220.00	\$ 83.37	\$ 333.46
71056	658.0220	Backplates Signal Face 4 Section 12-inch	Each	2	\$ 87.78	\$ 71.57	\$ 143.13
71057	658.0215	Backplates Signal Face 3 Section 12-inch	Each	32	\$ 1,056.00	\$ 59.97	\$ 1,919.12
71060	658.0120	Traffic Signal Face 5-12 Inch Vertical	Each	6	\$ 2,436.36	\$ 668.64	\$ 4,011.84
71061	658.0115	Traffic Signal Face 4-12 Inch Vertical	Each	18	\$ 6,179.58	\$ 555.14	\$ 9,992.55
71062	658.0110	Traffic Signal Face 3-12 Inch Vertical	Each	57	\$ 14,767.56	\$ 418.80	\$ 23,871.75
71065	658.0500	Pedestrian Push Buttons	Each	1	\$ 32.00	\$ 133.56	\$ 133.56
71143	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	10	\$ 0.70	\$ 7.87	\$ 78.65
71146	652.0615	Conduit Special 3-Inch	LF	10	\$ 0.50	\$ 14.08	\$ 140.77
71147	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	25	\$ 1.25	\$ 7.84	\$ 196.11
71154	655.0900	Traffic Signal EVP Detector Cable	LF	2,650	\$ 1,086.50	\$ 3.04	\$ 8,050.90
71156	SPV.0090.01	Cable Traffic Signal Loop Lead-In	LF	20	\$ 3.60	\$ 2.80	\$ 55.90
71171	655.0260	Cable Traffic Signal 12-14 AWG	LF	925	\$ 740.00	\$ 3.45	\$ 3,194.33
71172	SPV.0090.02	Cable Traffic Signal 17-14 AWG	LF	1,240	\$ 1,413.60	\$ 3.81	\$ 4,729.71
71190	SPV.0060.05	Mast Arm Fabricated	Each	10	\$ 12,250.00	\$ 1,402.08	\$ 14,020.77
71191	SPV.0060.06	Mast Arm Pole	Each	10	\$ 18,327.90	\$ 2,476.33	\$ 24,763.28
71195	SPV.0060.07	Signal Standard 5'	Each	1	\$ 563.25	\$ 1,034.86	\$ 1,034.86
71197	SPV.0060.08	Signal Standard 13'	Each	1	\$ 708.27	\$ 1,189.06	\$ 1,189.06
71199	SPV.0060.09	Signal Standard 2' Extension	Each	1	\$ 85.97	\$ 141.20	\$ 141.20
71700	SPV.0060.10	Signal Housing Relocated	Each	18	\$ -	\$ 298.61	\$ 5,374.89
73299	637.2220	Signs Type II Reflective SH	SF	144	\$ 879.84	\$ 13.10	\$ 1,886.25

LFA CONSTRUCTION COST \$ 169,250.34
LFA EXCLUDED COST \$ 109,168.35
STATE REVIEW COST (15%) \$ 25,387.55
TOTAL PROJECT COST \$ 194,637.89

APPROVED BY:



ROBERT W. BRYSON
 CHIEF TRAFFIC AND LIGHTING ENGINEER

TRANSPORTATION SECTION
 TRAFFIC AND LIGHTING DESIGN UNIT
 JOSEPH C. BLAKEMAN
 REVISED: SEPTEMBER 3, 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.