

PROJECT UNIT COST ANALYSIS

ESTIMATE OF QUANTITIES

PROJECT ID 2595-08-90

N. 60TH ST./W. HAMPTON AVE. - 11 LOCAL STREET INTERSECTIONS

LOCAL STREETS

MILWAUKEE COUNTY

Item No.	Std. Bid Item No.	Description	Unit	Quantity	Excluded Costs	City Unit	City Total
71032A	SPV.0060.01	Opticom Phase Selector Card 2 Channel	Each	11	\$ 19,346.25	\$ 2,004.55	\$ 22,050.06
71033	SPV.0060.02	Opticom 711 Detector	Each	32	\$ 13,520.64	\$ 564.52	\$ 18,064.73
71034	SPV.0060.03	Opticom 721 Detector	Each	2	\$ 913.00	\$ 603.13	\$ 1,206.26
71035	SPV.0060.04	Opticom Confirmation Light Assembly	Each	36	\$ 1,503.00	\$ 145.61	\$ 5,241.81
71039	SPV.0060.04	Vehicular Video Detection System	Each	6	\$ 25,500.00	\$ 6,180.64	\$ 37,083.83
71040	SPV.0060.05	Vehicular Microwave Detection System	Each	1	\$ 4,200.00	\$ 6,123.82	\$ 6,123.82
71052	SPV.0060.06	ATC Controller and Cabinet Installed	Each	11	\$ 147,351.38	\$ 15,614.00	\$ 171,754.04
71056	658.0220	Backplates Signal Face 4 Section 12-inch	Each	3	\$ 131.67	\$ 78.04	\$ 234.12
71057	658.0215	Backplates Signal Face 3 Section 12-inch	Each	74	\$ 2,442.00	\$ 65.67	\$ 4,859.42
71061	658.0115	Traffic Signal Face 4-12 Inch Vertical	Each	12	\$ 2,802.36	\$ 378.01	\$ 4,536.10
71062	658.0110	Traffic Signal Face 3-12 Inch Vertical	Each	142	\$ 26,660.50	\$ 326.00	\$ 46,292.57
71064R	658.0600	LED Modules 12-Inch Red Ball	Each	102	\$ 2,707.09	\$ 46.35	\$ 4,728.05
71064Y	658.0605	LED Modules 12-Inch Yellow Ball	Each	102	\$ 2,996.77	\$ 49.19	\$ 5,017.73
71064G	658.0610	LED Modules 12-Inch Green Ball	Each	102	\$ 2,927.25	\$ 48.51	\$ 4,948.21
71064RA	658.0615	LED Modules 12-Inch Red Arrow	Each	54	\$ 1,923.92	\$ 55.44	\$ 2,993.85
71064YA	658.0620	LED Modules 12-Inch Yellow Arrow	Each	108	\$ 3,250.35	\$ 49.91	\$ 5,390.21
71064GA	658.0625	LED Modules 12-Inch Green Arrow	Each	12	\$ 404.09	\$ 53.49	\$ 641.85
71065	658.0500	Pedestrian Push Buttons	Each	4	\$ 128.00	\$ 149.08	\$ 596.30
71081	658.1110	Programmable Traffic Signal Face 3-12 Vertical	Each	2	\$ 3,362.92	\$ 2,239.34	\$ 4,478.67
71101	678.0200	Fiber Optic Splice Enclosure	Each	5	\$ 1,875.00	\$ 538.72	\$ 2,130.00
71102	678.0300	Fiber Optic Splice	Each	5	\$ -	\$ 75.52	\$ 377.60
71103	SPV.0060.07	Fiber Optic Patch Panel	Each	5	\$ 3,000.00	\$ 907.04	\$ 4,535.21
71104	SPV.0060.08	Ethernet Switch	Each	5	\$ 3,496.25	\$ 1,019.79	\$ 5,098.95
71109	SPV.0060.09	Cellular Modem	Each	6	\$ 1,950.00	\$ 594.64	\$ 3,567.82
71143	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	100	\$ 7.00	\$ 8.74	\$ 873.85
71144	652.0610	Conduit Special 2 1/2-Inch	LF	150	\$ 4.50	\$ 8.09	\$ 1,213.06
71145	652.0230	Conduit Rigid Nonmetallic Schedule 40 2 1/2-Inch	LF	570	\$ 17.10	\$ 8.69	\$ 4,955.10
71146	652.0615	Conduit Special 3-Inch	LF	840	\$ 42.00	\$ 15.64	\$ 13,140.20
71147	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	160	\$ 8.00	\$ 8.72	\$ 1,394.55
71154	655.0900	Traffic Signal EVP Detector Cable	LF	6,220	\$ 2,550.20	\$ 3.40	\$ 21,132.52
71156	SPV.0090.01	Cable Traffic Signal Loop Lead-In	LF	30	\$ 5.40	\$ 3.14	\$ 94.08
71170	655.0250	Cable Traffic Signal 9-14 AWG	LF	100	\$ 63.00	\$ 3.65	\$ 364.75
71171	655.0260	Cable Traffic Signal 12-14 AWG	LF	1,700	\$ 1,360.00	\$ 3.84	\$ 6,528.94
71172	SPV.0090.02	Cable Traffic Signal 17-14 AWG	LF	3,490	\$ 3,978.60	\$ 4.23	\$ 14,751.51
71189	SPV.0060.10	Polymer Concrete Vault	Each	30	\$ 8,076.90	\$ 453.90	\$ 13,617.04
71190	SPV.0060.11	Mast Arm Fabricated	Each	1	\$ 1,225.00	\$ 2,845.98	\$ 2,845.98
71191	SPV.0060.12	Mast Arm Pole	Each	1	\$ 1,832.79	\$ 2,674.53	\$ 2,674.53
71195	SPV.0060.13	Signal Standard 5'	Each	1	\$ 563.25	\$ 1,135.14	\$ 1,135.14
71197	SPV.0060.14	Signal Standard 13' or 14'	Each	5	\$ 3,541.35	\$ 1,299.87	\$ 6,499.36
71198	SPV.0060.15	Signal Standard 1' Extension	Each	17	\$ 1,030.20	\$ 125.20	\$ 2,128.43
71199	SPV.0060.16	Signal Standard 2' Extension	Each	5	\$ 429.85	\$ 154.02	\$ 770.11
71700	SPV.0060.17	Signal Housing Relocated	Each	26	\$ -	\$ 169.08	\$ 4,396.07
71820	SPV.0060.18	Mast Arm Relocated	Each	1	\$ -	\$ 450.89	\$ 450.89
73299	637.2220	Signs Type II Reflective SH	SF	320	\$ 1,955.20	\$ 14.08	\$ 4,506.18

LFA CONSTRUCTION COST \$ 465,423.50

LFA EXCLUDED COST \$ 299,082.78

STATE REVIEW COST (15%) \$ 69,813.53

TOTAL PROJECT COST \$ 535,237.03

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LOCAL STREETS

MILWAUKEE COUNTY

APPROVED BY:



JOSEPH C. BLAKEMAN, PE
TRAFFIC ENGINEER SENIOR

TRANSPORTATION SECTION
TRAFFIC AND LIGHTING DESIGN UNIT

SCOTT C. REINBACHER

REVISED: 12/22/2016

* 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.