

PROJECT UNIT COST ANALYSIS

ESTIMATE OF QUANTITIES

PROJECT ID 1360-00-95
 W. FOND DU LAC AVE. - W. CAPITOL DR. TO N. 68TH ST.
 STH 145
 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	36	\$ 31,039.56	\$ 1,136.20	\$ 40,903.27
71035	SPV.0060.02	Opticom Confirmation Light Assembly	Each	36	\$ 1,503.00	\$ 222.12	\$ 7,996.39
71040	SPV.0060.03	Vehicular Microwave Detection System	Each	8	\$ 40,320.00	\$ 7,114.35	\$ 56,914.82
71052	SPV.0060.04	Solid State Controller Installed	Each	9	\$ 105,544.26	\$ 15,777.75	\$ 141,999.73
71057	658.0215	Backplates Signal Face 3 Section 12-inch	Each	97	\$ 3,201.00	\$ 62.52	\$ 6,064.03
71061	658.0115	Traffic Signal Face 4-12 Inch Vertical	Each	9	\$ 3,089.79	\$ 630.34	\$ 5,673.05
71062	658.0110	Traffic Signal Face 3-12 Inch Vertical	Each	156	\$ 40,416.48	\$ 488.91	\$ 76,270.64
71065	658.0500	Pedestrian Push Buttons	Each	36	\$ 1,152.00	\$ 143.73	\$ 5,174.38
71066	658.0412	Pedestrian Signal Face 12-Inch	Each	68	\$ 11,016.68	\$ 333.84	\$ 22,700.87
71067	SPV.0060.05	Pedestrian Countdown Signal Face 12-Inch	Each	68	\$ 11,192.12	\$ 336.58	\$ 22,887.41
71071	SPV.0060.06	Traffic Signal Face 3-8 Inch Vertical	Each	4	\$ 1,253.90	\$ 463.71	\$ 1,854.84
71080	658.1115	Programmable Traffic Signal Face 4-12 Vertical	Each	6	\$ 13,385.46	\$ 2,799.00	\$ 16,793.99
71081	658.1110	Programmable Traffic Signal Face 3-12 Vertical	Each	16	\$ 26,903.36	\$ 2,108.05	\$ 33,728.79
71101	678.0200	Fiber Optic Splice Enclosure	Each	9	\$ 3,375.00	\$ 508.45	\$ 3,588.64
71102	678.0300	Fiber Optic Splice	Each	9	\$ -	\$ 73.50	\$ 661.53
71103	SPV.0060.07	Fiber Optic Patch Panel	Each	9	\$ 3,600.00	\$ 973.86	\$ 8,764.72
71154	655.0900	Traffic Signal EVP Detector Cable	LF	7,420	\$ 3,042.20	\$ 3.29	\$ 24,429.52
71156	SPV.0090.01	Cable Traffic Signal Loop Lead-In	LF	80	\$ 14.40	\$ 3.05	\$ 243.82
71161	SPV.0090.02	Cable Service 3 #4/1 #8 LTP	LF	1,500	\$ 3,555.00	\$ 4.84	\$ 7,266.33
71170	655.0250	Cable Traffic Signal 9-14 AWG	LF	4,400	\$ 2,772.00	\$ 3.53	\$ 15,515.79
71171	655.0260	Cable Traffic Signal 12-14 AWG	LF	6,360	\$ 5,088.00	\$ 3.71	\$ 23,576.98
71172	SPV.0090.03	Cable Traffic Signal 17-14 AWG	LF	4,850	\$ 5,529.00	\$ 4.07	\$ 19,732.70
71173	SPV.0090.04	Cable Traffic Signal 20-14 AWG	LF	3,000	\$ 4,140.00	\$ 4.32	\$ 12,971.37
71176	674.0300	Remove Cable	LF	4,000	\$ -	\$ 1.10	\$ 4,388.30
71195	SPV.0060.08	Signal Standard 5'	Each	2	\$ 1,126.50	\$ 1,080.63	\$ 2,161.26
71197	SPV.0060.09	Signal Standard 13' or 14'	Each	55	\$ 38,954.85	\$ 1,234.83	\$ 67,915.47
71198	SPV.0060.10	Signal Standard 1' Extension	Each	8	\$ 484.80	\$ 119.29	\$ 954.32
71199	SPV.0060.11	Signal Standard 3' Extension	Each	3	\$ 386.88	\$ 191.98	\$ 575.94
71700	SPV.0060	Signal Housing Relocated	Each	7	\$ -	\$ 329.12	\$ 2,303.86
73288	638.2602	Removing Signs Type II	Each	231	\$ -	\$ 6.16	\$ 1,422.29
73289	638.3000	Removing Small Sign Supports	Each	121	\$ -	\$ 10.26	\$ 1,241.67
73291	SPV.0060.12	Socket 3' RSP	Each	20	\$ 690.20	\$ 57.22	\$ 1,144.37
73292	SPV.0060.13	Socket (Concrete Install)	Each	110	\$ 2,373.80	\$ 53.73	\$ 5,910.48
73295	SPV.0060.14	Sign Pipe 2"	Each	130	\$ 7,020.00	\$ 61.52	\$ 7,997.97
73299	637.2220	Signs Type II Reflective SH	SF	1,020	\$ 6,232.20	\$ 13.44	\$ 13,711.36

LFA EXCLUDED COST \$ 378,402.44

LFA CONSTRUCTION COST \$ 665,440.90

STATE REVIEW COST (8%) \$ 53,235.27

TOTAL PROJECT COST \$ 718,676.17

APPROVED BY:



ROLLIN M. BERTRAN
 ENGINEER-IN-CHARGE

TRANSPORTATION SECTION
 TRAFFIC AND LIGHTING DESIGN UNIT

JOSEPH C. BLAKEMAN

REVISED: MAY 16, 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.