

PROJECT UNIT COST ANALYSIS

ESTIMATE OF QUANTITIES

PROJECT ID 2415-00-90

S. 60TH ST. - W. COLD SPRING RD. TO W. MORGAN AV.

LOCAL STREET

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	3	\$ 5,276.25	\$ 2,014.46	\$ 6,043.38
71033	SPV.0060.02	Opticom 711 Detector	Each	10	\$ 4,225.20	\$ 705.42	\$ 7,054.23
71034	SPV.0060.03	Opticom 721 Detector	Each	1	\$ 456.50	\$ 744.01	\$ 744.01
71035	SPV.0060.04	Opticom Confirmation Light Assembly	Each	12	\$ 501.00	\$ 230.15	\$ 2,761.74
71049	SPV.0060.05	Signal Monitoring and Verification (per Intersection)	Each	3	\$ -	\$ 67.11	\$ 201.32
71050	SPV.0060.06	Controller Timing Change (per intersection)	Each	3	\$ -	\$ 132.21	\$ 396.63
71052	SPV.0060.07	ATC Controller and Cabinet Installed	Each	3	\$ 40,186.74	\$ 15,614.00	\$ 46,842.01
71057	658.0215	Backplates Signal Face 3 Section 12-inch	Each	16	\$ 528.00	\$ 65.67	\$ 1,050.70
71062	658.0110	Traffic Signal Face 3-12 Inch Vertical	Each	54	\$ 10,138.50	\$ 326.00	\$ 17,604.22
71064R	658.0600	LED Modules 12-Inch Red Ball	Each	34	\$ 902.36	\$ 46.35	\$ 1,576.01
71064Y	658.0605	LED Modules 12-Inch Yellow Ball	Each	34	\$ 998.92	\$ 49.19	\$ 1,672.57
71064G	658.0610	LED Modules 12-Inch Green Ball	Each	34	\$ 975.75	\$ 48.51	\$ 1,649.40
71064RA	658.0615	LED Modules 12-Inch Red Arrow	Each	20	\$ 712.56	\$ 55.44	\$ 1,108.84
71064YA	658.0620	LED Modules 12-Inch Yellow Arrow	Each	40	\$ 1,203.83	\$ 49.91	\$ 1,996.38
71065	658.0500	Pedestrian Push Buttons	Each	6	\$ 192.00	\$ 149.07	\$ 894.44
71066	658.0412	Pedestrian Signal Face 12-Inch	Each	24	\$ 3,888.24	\$ 350.13	\$ 8,403.19
71066RLC	SPV.0060.08	LED Modules Pedestrian 12-Inch	Each	24	\$ 1,714.98	\$ 91.27	\$ 2,190.50
71067	SPV.0060.09	Pedestrian Countdown Signal Face 12-Inch	Each	24	\$ 3,950.16	\$ 353.06	\$ 8,473.53
71067RL	658.0660	LED Modules Countdown Timer 12-Inch	Each	24	\$ 1,785.05	\$ 94.19	\$ 2,260.57
71101	678.0200	Fiber Optic Splice Enclosure	Each	3	\$ 1,125.00	\$ 538.72	\$ 1,278.00
71102	678.0300	Fiber Optic Splice	Each	3	\$ -	\$ 75.52	\$ 226.55
71103	SPV.0060.10	Fiber Optic Patch Panel	Each	3	\$ 1,800.00	\$ 907.04	\$ 2,721.13
71104	SPV.0060.11	Ethernet Switch	Each	3	\$ 2,097.75	\$ 1,019.79	\$ 3,059.37
71105	SPV.0060.12	Fiber Optic Patch Cords	Each	3	\$ 173.85	\$ 77.10	\$ 231.29
71112	678.0072	Install Fiber Optic Cable Outdoor Plant 72-CT	LF	6,890	\$ 12,057.50	\$ 2.89	\$ 19,910.46
71154	655.0900	Traffic Signal EVP Detector Cable	LF	2,110	\$ 865.10	\$ 3.40	\$ 7,168.74
71170	655.0250	Cable Traffic Signal 9-14 AWG	LF	2,155	\$ 1,357.65	\$ 3.65	\$ 7,860.79
71171	655.0260	Cable Traffic Signal 12-14 AWG	LF	3,165	\$ 2,532.00	\$ 3.84	\$ 12,155.94
71172	SPV.0090.01	Cable Traffic Signal 17-14 AWG	LF	1,530	\$ 1,744.20	\$ 4.23	\$ 6,467.01
71176	674.0300	Remove Cable	LF	900	\$ -	\$ 1.13	\$ 1,014.48
71197	SPV.0060.13	Signal Standard 13' or 14'	Each	21	\$ 14,873.67	\$ 1,299.87	\$ 27,297.37
73288	638.2602	Removing Signs Type II	Each	74	\$ -	\$ 6.33	\$ 468.18
73289	638.3000	Removing Small Sign Supports	Each	25	\$ -	\$ 10.55	\$ 263.63
73291	SPV.0060.14	Socket 3' RSP	Each	23	\$ 793.73	\$ 60.29	\$ 1,386.75
73292	SPV.0060.15	Socket (Concrete Install)	Each	2	\$ 43.16	\$ 56.15	\$ 112.30
73295	SPV.0060.16	Sign Pipe 2"	Each	25	\$ 1,350.00	\$ 65.56	\$ 1,639.06
73299	637.2220	Signs Type II Reflective SH	SF	410	\$ 2,505.10	\$ 14.08	\$ 5,773.55

LFA CONSTRUCTION COST \$ 211,958.27
LFA EXCLUDED COST \$ 120,954.75
STATE REVIEW COST (15%) \$ 31,793.74
TOTAL PROJECT COST \$ 243,752.01

APPROVED BY:



JOSEPH C. BLAKEMAN, PE
 TRAFFIC ENGINEER SENIOR
 TRANSPORTATION SECTION
 TRAFFIC AND LIGHTING DESIGN UNIT
 KYLE A. PFEIFER
 REVISED: DECEMBER 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.