

PROJECT UNIT COST ANALYSIS

ESTIMATE OF QUANTITIES

PROJECT ID 2200-14-90
E./W. WELLS ST. - N. 6TH ST. TO N. BROADWAY
USH 18
MILWAUKEE COUNTY

Item No.	Std. Bid Item No.	Description	Unit	Quantity	Excluded Costs	City Unit	City Total
71032A	SPV.0060.220	EVP (Opticom) Phase Selector Card 2 Channel	Each	4	\$ 7,035.00	\$ 2,029.08	\$ 8,116.32
71032B	SPV.0060.221	EVP (Opticom) Phase Selector Card 4 Channel	Each	3	\$ 8,253.00	\$ 3,164.31	\$ 9,492.94
71033	SPV.0060.218	EVP (Opticom) 711 Detector	Each	4	\$ 1,778.88	\$ 739.17	\$ 2,956.67
71034	SPV.0060.219	EVP (Opticom) 721 Detector	Each	8	\$ 3,652.00	\$ 752.64	\$ 6,021.11
71035	SPV.0060.223	EVP (Opticom) Confirmation Light Assembly	Each	18	\$ 759.42	\$ 235.09	\$ 4,231.55
71039	SPV.0060.224	Vehicular Video Detection System	Each	3	\$ 24,278.16	\$ 9,604.42	\$ 28,813.26
71052	SPV.0060.205	ATC Controller and Cabinet Installed	Each	6	\$ 80,373.48	\$ 15,731.38	\$ 94,388.28
71060	658.0175	Traffic Signal Face 5S 12-Inch	Each	2	\$ 833.62	\$ 673.98	\$ 1,347.96
71061	658.0174	Traffic Signal Face 4S 12-Inch	Each	4	\$ 1,370.88	\$ 589.22	\$ 2,356.87
71062	658.0173	Traffic Signal Face 3S 12-Inch	Each	89	\$ 22,460.04	\$ 485.83	\$ 43,239.21
71066	658.0412	Pedestrian Signal Face 12-Inch	Each	52	\$ 7,103.72	\$ 326.09	\$ 16,956.92
71067	SPV.0060.267	Pedestrian Countdown Signal Face 12-Inch	Each	52	\$ 7,077.20	\$ 325.51	\$ 16,926.57
71103	SPV.0060.212	Fiber Optic Patch Panel	Each	6	\$ 3,600.00	\$ 916.82	\$ 5,500.89
71104	SPV.0060.213	Ethernet Switch	Each	6	\$ 4,195.50	\$ 1,030.37	\$ 6,182.20
71112	678.0072	Install Fiber Optic Cable Outdoor Plant 72-CT	LF	4,410	\$ 7,717.50	\$ 2.92	\$ 12,893.12
71143	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	10	\$ 0.60	\$ 8.82	\$ 88.20
71147	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	70	\$ 4.20	\$ 8.82	\$ 617.45
71154	655.0900	Traffic Signal EVP Detector Cable	LF	1,700	\$ 765.00	\$ 3.49	\$ 5,930.59
71158	SPV.0090.312	Cable Type UF 3 #12	LF	420	\$ 226.80	\$ 3.05	\$ 1,282.17
71161	SPV.0090.307	Cable Service 3 #4/1 #8 LTP	LF	360	\$ 608.40	\$ 4.37	\$ 1,572.66
71170	655.0250	Cable Traffic Signal 9-14 AWG	LF	770	\$ 354.20	\$ 3.50	\$ 2,695.03
71171	655.0260	Cable Traffic Signal 12-14 AWG	LF	1,500	\$ 1,260.00	\$ 3.93	\$ 5,902.17
71172	SPV.0090.211	Cable Traffic Signal 17-14 AWG	LF	1,440	\$ 1,699.20	\$ 4.32	\$ 6,226.22
71173	SPV.0090.212	Cable Traffic Signal 20-14 AWG	LF	2,630	\$ 3,629.40	\$ 4.55	\$ 11,973.31
71176	674.0300	Remove Cable	LF	180	\$ -	\$ 1.15	\$ 207.32
71188	SPV.0060.300	Polymer Concrete Vault 13"x24"x18"	Each	3	\$ 674.43	\$ 407.94	\$ 1,223.81
71190	SPV.0060.240	Mast Arm Fabricated	Each	3	\$ 3,675.00	\$ 2,889.77	\$ 8,669.30
71191	SPV.0060.239	Mast Arm Pole	Each	3	\$ 6,400.41	\$ 3,044.05	\$ 9,132.15
71201	657.0100	Pedestal Base	Each	15	\$ 2,925.00	\$ 234.62	\$ 3,519.27
71205	657.0420	Traffic Signal Standards Aluminum 13-FT	Each	14	\$ 4,550.00	\$ 383.35	\$ 5,366.91
71206	657.0425	Traffic Signal Standards Aluminum 15-FT	Each	1	\$ 385.00	\$ 451.99	\$ 451.99
73288	638.2602	Removing Signs Type II	Each	125	\$ -	\$ 6.47	\$ 808.29
73292	SPV.0060.283	Socket (Concrete Install)	Each	35	\$ 756.70	\$ 57.07	\$ 1,997.35
73295	SPV.0060.284	Sign Pipe 2"	Each	35	\$ 1,890.00	\$ 66.09	\$ 2,313.23
73299	637.2220	Signs Type II Reflective SH	SF	700	\$ 4,326.00	\$ 14.37	\$ 10,060.53

LFA CONSTRUCTION COST \$ 339,461.82
LFA EXCLUDED COST \$ 214,618.74
STATE REVIEW COST (8%) \$ 27,156.95
TOTAL PROJECT COST \$ 366,618.77

APPROVED BY:



JOSEPH C. BLAKEMAN, PE
TRAFFIC ENGINEER SENIOR

TRANSPORTATION SECTION
TRAFFIC AND LIGHTING DESIGN UNIT
SCOTT C. REINBACHER
REVISED: NOVEMBER 17, 2017

* 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.