

PROJECT UNIT COST ANALYSIS

ESTIMATE OF QUANTITIES

PROJECT ID 2080-00-91

N. TEUTONIA AVE. - W. CAPITOL DR. TO W. RUBY AVE.

LOCAL STREET

MILWAUKEE COUNTY

Item No.	Std. Bid Item No.	Description	Unit	Quantity	Excluded Costs	City Unit	City Total
71032	SPV.0060	Opticom Phase Selector Card	Each	3	\$ 5,276.25	\$ 1,911.92	\$ 5,735.76
71033	SPV.0060	Opticom 711 Detector	Each	8	\$ 3,380.16	\$ 671.37	\$ 5,370.94
71035	SPV.0060	Opticom Confirmation Light Assembly	Each	5	\$ 208.75	\$ 219.79	\$ 1,098.95
71040	SPV.0060	Vehicular Microwave Detection System	Each	8	\$ 33,600.00	\$ 6,254.82	\$ 50,038.53
71052	SPV.0060	Solid State Controller Installed	Each	3	\$ 29,626.02	\$ 13,898.43	\$ 41,695.30
71057	658.0215	Backplates Signal Face 3 Section 12-inch	Each	8	\$ 264.00	\$ 62.56	\$ 500.46
71061	658.0115	Traffic Signal Face 4-12 Inch Vertical	Each	7	\$ 2,403.17	\$ 630.97	\$ 4,416.76
71062	658.0110	Traffic Signal Face 3-12 Inch Vertical	Each	42	\$ 10,881.36	\$ 489.18	\$ 20,545.71
71065	658.0500	Pedestrian Push Buttons	Each	9	\$ 288.00	\$ 142.42	\$ 1,281.82
71066	658.0412	Pedestrian Signal Face 12-Inch	Each	16	\$ 2,592.16	\$ 333.56	\$ 5,336.97
71067	SPV.0060	Pedestrian Countdown Signal Face 12-Inch	Each	16	\$ 2,633.44	\$ 336.34	\$ 5,381.47
71101	678.0200	Fiber Optic Splice Enclosure	Each	6	\$ 2,250.00	\$ 512.21	\$ 2,425.73
71102	678.0300	Fiber Optic Splice	Each	6	\$ -	\$ 72.31	\$ 433.86
71103	SPV.0060	Fiber Optic Patch Panel	Each	6	\$ 3,600.00	\$ 862.71	\$ 5,176.24
71104	SPV.0060	Ethernet Switch	Each	6	\$ 4,195.50	\$ 1,617.26	\$ 9,703.56
71112	678.0072	Install Fiber Optic Cable Outdoor Plant 72-CT	LF	6,045	\$ 10,578.75	\$ 2.75	\$ 16,624.18
71140	652.0690	Conduit Special 1 1/2-Inch	LF	5	\$ 0.10	\$ 7.77	\$ 38.85
71143	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	70	\$ 4.90	\$ 8.40	\$ 587.67
71145	652.0230	Conduit Rigid Nonmetallic Schedule 40 2 1/2-Inch	LF	30	\$ 0.90	\$ 8.35	\$ 250.55
71147	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	60	\$ 3.00	\$ 8.37	\$ 502.42
71154	655.0900	Traffic Signal EVP Detector Cable	LF	2,425	\$ 994.25	\$ 3.25	\$ 7,891.23
71156	SPV.0090	Cable Traffic Signal Loop Lead-In	LF	205	\$ 36.90	\$ 3.01	\$ 616.78
71158	SPV.0090	Cable Type UF 3 #12	LF	50	\$ 27.00	\$ 2.87	\$ 143.41
71161	SPV.0090	Cable Service 3 #4/1 #8 LTP	LF	470	\$ 1,113.90	\$ 4.84	\$ 2,275.26
71170	655.0250	Cable Traffic Signal 9-14 AWG	LF	810	\$ 510.30	\$ 3.49	\$ 2,827.76
71171	655.0260	Cable Traffic Signal 12-14 AWG	LF	1,435	\$ 1,148.00	\$ 3.67	\$ 5,273.25
71172	SPV.0090	Cable Traffic Signal 17-14 AWG	LF	2,670	\$ 3,043.80	\$ 4.04	\$ 10,789.20
71173	SPV.0090	Cable Traffic Signal 20-14 AWG	LF	2,030	\$ 2,801.40	\$ 4.30	\$ 8,728.28
71176	674.0300	Remove Cable	LF	3,025	\$ -	\$ 1.08	\$ 3,264.73
71188	SPV.0060	Polymer Concrete Vault 13"x24"x18"	Each	3	\$ 674.43	\$ 383.93	\$ 1,151.79
71189	SPV.0060	Polymer Concrete Vault 17"x30"x18"	Each	2	\$ 538.46	\$ 431.82	\$ 863.63
71190	SPV.0060	Mast Arm Fabricated	Each	10	\$ 12,250.00	\$ 2,709.97	\$ 27,099.74
71191	SPV.0060	Mast Arm Pole	Each	10	\$ 18,327.90	\$ 2,543.20	\$ 25,432.03
71195	SPV.0060	Signal Standard 5'	Each	1	\$ 563.25	\$ 1,080.95	\$ 1,080.95
71197	SPV.0060	Signal Standard 13' or 14'	Each	20	\$ 14,165.40	\$ 1,237.29	\$ 24,745.74
71198	SPV.0060	Signal Standard 1' Extension	Each	5	\$ 303.00	\$ 119.29	\$ 596.47
71826	SPV.0060	Signal Standard Relocated	Each	2	\$ -	\$ 431.71	\$ 863.41
73288	638.2602	Removing Signs Type II	Each	159	\$ -	\$ 6.06	\$ 963.01
73289	638.3000	Removing Small Sign Supports	Each	36	\$ -	\$ 10.09	\$ 363.40
73291	SPV.0060	Socket 3' RSP	Each	34	\$ 1,173.34	\$ 57.39	\$ 1,951.40
73292	SPV.0060	Socket (Concrete Install)	Each	10	\$ 215.80	\$ 53.55	\$ 535.50
73295	SPV.0060	Sign Pipe 2"	Each	44	\$ 2,376.00	\$ 62.26	\$ 2,739.24
73299	637.2220	Signs Type II Reflective SH	SF	601	\$ 3,672.11	\$ 13.42	\$ 8,063.91

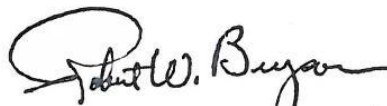
LFA CONSTRUCTION COST \$ 315,405.85

STATE REVIEW COST (15%) \$ 47,310.88

TOTAL PROJECT COST \$ 362,716.73

LFA EXCLUDED COST \$ 175,721.70

APPROVED BY:



ROBERT W. BRYSON
CHIEF TRAFFIC AND LIGHTING ENGINEER

TRANSPORTATION SECTION
TRAFFIC AND LIGHTING DESIGN UNIT

JOSEPH C. BLAKEMAN

REVISED: MARCH 31, 2015

* 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.