

PROJECT UNIT COST ANALYSIS

ESTIMATE OF QUANTITIES

PROJECT ID 2265-00-94
N. 27TH ST. - W. HIGHLAND AVE. TO W. LISBON AVE.
LOCAL STREET
MILWAUKEE COUNTY

Item No.	Std. Bid Item No.	Description	Unit	Quantity	Excluded Costs	City Unit	City Total
71032	SPV.0060.01	Opticom Phase Selector Card	Each	2	\$ 3,517.50	\$ 1,963.53	\$ 3,927.06
71033	SPV.0060.02	Opticom 711 Detector	Each	8	\$ 3,380.16	\$ 687.00	\$ 5,496.00
71035	SPV.0060.03	Opticom Confirmation Light Assembly	Each	8	\$ 334.00	\$ 223.74	\$ 1,789.89
71040	SPV.0060.04	Vehicular Microwave Detection System	Each	1	\$ 4,200.00	\$ 6,403.81	\$ 6,403.81
71052	SPV.0060.05	Solid State Controller Installed	Each	2	\$ 19,750.68	\$ 14,238.96	\$ 28,477.91
71056	658.0220	Backplates Signal Face 4 Section 12-inch	Each	1	\$ 43.89	\$ 75.99	\$ 75.99
71057	658.0215	Backplates Signal Face 3 Section 12-inch	Each	14	\$ 462.00	\$ 63.93	\$ 895.08
71061	658.0115	Traffic Signal Face 4-12 Inch Vertical	Each	2	\$ 467.06	\$ 368.16	\$ 736.32
71062	658.0110	Traffic Signal Face 3-12 Inch Vertical	Each	34	\$ 6,383.50	\$ 317.47	\$ 10,793.90
71064R	658.0600	LED Modules 12-Inch Red Ball	Each	24	\$ 628.77	\$ 50.58	\$ 1,214.00
71064Y	658.0605	LED Modules 12-Inch Yellow Ball	Each	24	\$ 695.21	\$ 53.35	\$ 1,280.44
71064G	658.0610	LED Modules 12-Inch Green Ball	Each	24	\$ 679.27	\$ 52.69	\$ 1,264.50
71064RA	658.0615	LED Modules 12-Inch Red Arrow	Each	10	\$ 350.57	\$ 59.44	\$ 594.41
71064YA	658.0620	LED Modules 12-Inch Yellow Arrow	Each	20	\$ 593.29	\$ 54.05	\$ 1,081.00
71064GA	658.0625	LED Modules 12-Inch Green Arrow	Each	2	\$ 66.31	\$ 57.54	\$ 115.08
71065	658.0500	Pedestrian Push Buttons	Each	9	\$ 288.00	\$ 145.01	\$ 1,305.05
71066	658.0412	Pedestrian Signal Face 12-Inch	Each	16	\$ 2,592.16	\$ 340.76	\$ 5,452.19
71067	SPV.0060.06	Pedestrian Countdown Signal Face 12-Inch	Each	16	\$ 2,633.44	\$ 343.62	\$ 5,497.90
71101	678.0200	Fiber Optic Splice Enclosure	Each	2	\$ 750.00	\$ 524.81	\$ 830.48
71102	678.0300	Fiber Optic Splice	Each	2	\$ -	\$ 73.41	\$ 146.82
71103	SPV.0060.07	Fiber Optic Patch Panel	Each	2	\$ 1,200.00	\$ 883.53	\$ 1,767.05
71104	SPV.0060.08	Ethernet Switch	Each	2	\$ 1,398.50	\$ 1,650.86	\$ 3,301.71
71105	SPV.0060.09	Fiber Optic Patch Cords	Each	2	\$ 115.90	\$ 75.14	\$ 150.27
71143	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	50	\$ 3.50	\$ 8.51	\$ 425.71
71154	655.0900	Traffic Signal EVP Detector Cable	LF	1,550	\$ 635.50	\$ 3.31	\$ 5,125.92
71161	SPV.0090.01	Cable Service 3 #4/1 #8 LTP	LF	650	\$ 1,540.50	\$ 4.95	\$ 3,214.64
71170	655.0250	Cable Traffic Signal 9-14 AWG	LF	50	\$ 31.50	\$ 3.55	\$ 177.54
71171	655.0260	Cable Traffic Signal 12-14 AWG	LF	1,150	\$ 920.00	\$ 3.74	\$ 4,299.72
71172	SPV.0090.02	Cable Traffic Signal 17-14 AWG	LF	2,350	\$ 2,679.00	\$ 4.12	\$ 9,671.13
71176	674.0300	Remove Cable	LF	1,200	\$ -	\$ 1.10	\$ 1,314.85
71177	SPV.0060.10	Install Secondary Riser	Each	1	\$ 6.18	\$ 116.41	\$ 116.41
71178	SPV.0060.11	Remove Secondary Riser	Each	1	\$ -	\$ 109.57	\$ 109.57
71197	SPV.0060.12	Signal Standard 13' or 14'	Each	11	\$ 7,790.97	\$ 1,265.38	\$ 13,919.20
71198	SPV.0060.13	Signal Standard 1' Extension	Each	1	\$ 60.60	\$ 121.89	\$ 121.89
73288	638.2602	Removing Signs Type II	Each	145	\$ -	\$ 6.15	\$ 891.67
73289	638.3000	Removing Small Sign Supports	Each	68	\$ -	\$ 10.25	\$ 696.94
73291	SPV.0060.14	Socket 3' RSP	Each	65	\$ 2,243.15	\$ 58.71	\$ 3,816.23
73292	SPV.0060.15	Socket (Concrete Install)	Each	10	\$ 215.80	\$ 54.65	\$ 546.45
73295	SPV.0060.16	Sign Pipe 2"	Each	75	\$ 4,050.00	\$ 63.89	\$ 4,792.06
73299	637.2220	Signs Type II Reflective SH	SF	950	\$ 5,804.50	\$ 13.70	\$ 13,017.46

LFA CONSTRUCTION COST \$ 144,854.25
LFA EXCLUDED COST \$ 76,511.41
STATE REVIEW COST (15%) \$ 21,728.14
TOTAL PROJECT COST \$ 166,582.39

* 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.

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APPROVED BY:

A handwritten signature in black ink, appearing to read 'R. Bertran', with a large, stylized flourish at the end.

ROLLIN M. BERTRAN, P.E.
ENGINEER-IN-CHARGE

TRANSPORTATION SECTION
TRAFFIC AND LIGHTING DESIGN UNIT
JOSEPH C. BLAKEMAN
REVISED: DECEMBER 23, 2015