

## PROJECT UNIT COST ANALYSIS

### ESTIMATE OF QUANTITIES

PROJECT ID 2445-08-90

W. NORTH AVE. - N. 7TH STREET AND AT N. 8TH STREET INTERSECTIONS

IH 43

MILWAUKEE COUNTY

Item No.	Std. Bid Item No.	Description	Unit	Quantity	Excluded Costs	City Unit	City Total
71032	602.0410	Concrete Sidewalk 5-Inch	Sq Ft	40	\$ 49.20	\$ 7.89	\$ 315.79
71033	SPV.0060	Opticom 711 Detector w/ Selector Card	Each	2	\$ 4,320.50	\$ 2,590.16	\$ 5,180.31
71034	SPV.0060	Opticom 721 Detector w/ Selector Card	Each	2	\$ 4,430.50	\$ 2,650.73	\$ 5,301.46
71035	SPV.0060	Opticom Flood Lights	Each	6	\$ 249.78	\$ 216.95	\$ 1,301.68
71057	658.0215	Backplates Signal Face 3 Section 12-inch	Each	6	\$ 216.00	\$ 66.01	\$ 396.07
71062	658.0110	Traffic Signal Face 3-12 Inch Vertical	Each	11	\$ 3,617.79	\$ 615.86	\$ 6,774.51
71141	652.0220	Conduit Rigid Nonmetallic Schedule 40 1 1/2-Inch	LF	15	\$ 0.30	\$ 8.33	\$ 125.01
71143	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	85	\$ 5.10	\$ 8.38	\$ 712.12
71144	652.0610	Conduit Special 2 1/2-Inch	LF	620	\$ 12.40	\$ 7.75	\$ 4,806.19
71145	652.0230	Conduit Rigid Nonmetallic Schedule 40 2 1/2-Inch	LF	125	\$ 5.00	\$ 8.36	\$ 1,044.47
71147	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	20	\$ 0.40	\$ 8.33	\$ 166.67
71154	SPV.0090	Opticom Cable	LF	400	\$ 164.00	\$ 3.21	\$ 1,285.21
71170	655.0250	Cable Traffic Signal 9-14 AWG	LF	70	\$ 53.90	\$ 3.61	\$ 252.69
71171	655.0260	Cable Traffic Signal 12-14 AWG	LF	65	\$ 63.05	\$ 3.83	\$ 248.94
71172	SPV.0090	Cable Traffic Signal 17-14 AWG	LF	425	\$ 629.00	\$ 4.39	\$ 1,866.40
71173	SPV.0090	Cable Traffic Signal 20-14 AWG	LF	390	\$ 553.80	\$ 4.33	\$ 1,686.94
71176	674.0300	Remove Cable	LF	360	\$ -	\$ 1.05	\$ 379.54
71188	SPV.0060	Rectangular Vault 13"x24"x18"	Each	2	\$ 449.62	\$ 385.33	\$ 770.66
71189	SPV.0060	Rectangular Vault 17"x30"x18"	Each	5	\$ 1,346.15	\$ 434.26	\$ 2,171.28
71190	SPV.0060	Mast Arm Fabricated	Each	4	\$ 236.20	\$ 1,621.64	\$ 6,486.56
71191	SPV.0060	Mast Arm Pole	Each	2	\$ 3,254.22	\$ 2,335.72	\$ 4,671.43
71197	SPV.0060	Signal Standard 13'	Each	2	\$ 1,353.06	\$ 1,206.30	\$ 2,412.59
71198	SPV.0060	Signal Standard 1' Extension	Each	2	\$ 94.74	\$ 104.89	\$ 209.78
71198B	SPV.0060	Signal Standard 1' Extension Black	Each	1	\$ 47.37	\$ 156.19	\$ 156.19
71700	SPV.0060	Signal Housing Relocated	Each	2	\$ -	\$ 316.29	\$ 632.57

**TOTAL CITY COST \$ 49,039.27**  
**TOTAL EXCLUDED COSTS \$ 21,152.08**

APPROVED BY:

ROBERT W. BRYSON  
 CHIEF TRAFFIC AND LIGHTING ENGINEER

TRANSPORTATION SECTION  
 TRAFFIC AND LIGHTING DESIGN UNIT

JOSEPH C. BLAKEMAN  
 REVISED: JUNE 8, 2011

\* Please note that the Total City Cost includes the embedded costs of mobilization, traffic control, mounting hardware, equipment removal, and construction staking electrical installations which are included in the times used for calculating City Unit Costs on the attached worksheets.