

## PROJECT UNIT COST ANALYSIS

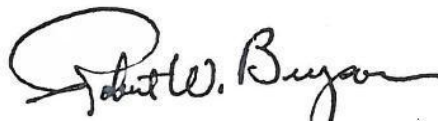
### ESTIMATE OF QUANTITIES

PROJECT ID 2155-03-91  
 W. FOND DU LAC AVE. & N. SHERMAN BLVD. INTERSECTION  
 STH 145  
 MILWAUKEE COUNTY

Item No.	Std. Bid Item No.	Description	Unit	Quantity	Excluded Costs	City Unit	City Total
71053	SPV.0060.01	ATC Controller Upgrade	Each	1	\$ 3,101.00	\$ 4,167.47	\$ 4,167.47
71057	658.0215	Backplates Signal Face 3 Section 12-inch	Each	8	\$ 288.00	\$ 65.67	\$ 525.36
71061	658.0115	Traffic Signal Face 4-12 Inch Vertical	Each	4	\$ 1,289.32	\$ 595.52	\$ 2,382.08
71062	658.0110	Traffic Signal Face 3-12 Inch Vertical	Each	12	\$ 2,982.36	\$ 469.30	\$ 5,631.60
71066	658.0412	Pedestrian Signal Face 12-Inch	Each	8	\$ 1,062.48	\$ 271.13	\$ 2,169.04
71067	SPV.0060.02	Pedestrian Countdown Signal Face 12-Inch	Each	8	\$ 1,062.48	\$ 271.13	\$ 2,169.04
71080	658.1115	Programmable Traffic Signal Face 4-12 Vertical	Each	1	\$ 2,440.74	\$ 2,855.08	\$ 2,855.08
71141	652.0220	Conduit Rigid Nonmetallic Schedule 40 1 1/2-Inch	LF	35	\$ 0.70	\$ 9.50	\$ 332.50
71143	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	80	\$ 4.80	\$ 9.54	\$ 763.20
71145	652.0230	Conduit Rigid Nonmetallic Schedule 40 2 1/2-Inch	LF	35	\$ 1.40	\$ 9.52	\$ 333.20
71147	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	270	\$ 5.40	\$ 9.50	\$ 2,565.00
71155	652.0900.S	Loop Detector Slots	LF	130	\$ 349.70	\$ 8.91	\$ 1,158.30
71156	SPV.0090.01	Cable Traffic Signal Loop Lead-In	LF	1,270	\$ 381.00	\$ 3.34	\$ 4,241.80
71170	655.0250	Cable Traffic Signal 9-14 AWG	LF	1,620	\$ 1,247.40	\$ 3.84	\$ 6,220.80
71171	655.0260	Cable Traffic Signal 12-14 AWG	LF	1,265	\$ 1,227.05	\$ 4.06	\$ 5,135.90
71172	SPV.0090.02	Cable Traffic Signal 17-14 AWG	LF	750	\$ 1,110.00	\$ 4.60	\$ 3,450.00
71176	674.0300	Remove Cable	LF	690	\$ -	\$ 1.10	\$ 759.00
71188	SPV.0060.03	Polymer Concrete Vault 13"x24"x18"	Each	8	\$ 1,798.48	\$ 375.30	\$ 3,002.40
71189	SPV.0060.04	Polymer Concrete Vault 17"x30"x18"	Each	1	\$ 269.23	\$ 422.52	\$ 422.52
71197	SPV.0060.05	Signal Standard 14'	Each	7	\$ 4,735.71	\$ 1,184.22	\$ 8,289.54
71198	SPV.0060.06	Signal Standard 1' Extension	Each	5	\$ 236.85	\$ 105.15	\$ 525.75
71199	SPV.0060.07	Signal Standard 2' Extension	Each	2	\$ 171.94	\$ 146.19	\$ 292.38
71700	SPV.0060.08	Signal Housing Relocated	Each	3	\$ -	\$ 219.10	\$ 657.30

**LFA CONSTRUCTION COST \$ 58,049.26**  
**STATE REVIEW COST (15%) \$ 8,707.39**  
**TOTAL COST \$ 66,756.65**

APPROVED BY:



ROBERT W. BRYSON  
 CHIEF TRAFFIC AND LIGHTING ENGINEER

TRANSPORTATION SECTION  
 TRAFFIC AND LIGHTING DESIGN UNIT  
 JOSEPH C. BLAKEMAN  
 REVISED: MAY 1, 2014 (FINAL)

\* 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.