

## PROJECT UNIT COST ANALYSIS

### ESTIMATE OF QUANTITIES

PROJECT ID 2967-00-91  
INSTALL SIGNAL FACE 12 INCH CITY OF MILWAUKEE (28 CON. HWY. INT.)  
VARIOUS HIGHWAYS  
MILWAUKEE COUNTY

Item No.	Std. Bid Item No.	Description	Unit	Quantity	Excluded Costs	City Unit	City Total
71060	658.0120	Traffic Signal Face 5-12 Inch Vertical	Each	6	\$ 2,964.54	\$ 844.44	\$ 5,066.64
71062	658.0110	Traffic Signal Face 3-12 Inch Vertical	Each	152	\$ 49,991.28	\$ 562.41	\$ 85,485.78
71198	SPV.0060.001	Signal Standard 1' Extension	Each	42	\$ 1,989.54	\$ 103.87	\$ 4,362.65
71198B	SPV.0060.002	Signal Standard 1' Extension Black	Each	9	\$ 426.33	\$ 154.10	\$ 1,386.91

**TOTAL CITY COST \$ 96,301.98**  
**TOTAL EXCLUDED COSTS \$ 55,371.69**

APPROVED BY:

ROBERT W. BRYSON  
CHIEF TRAFFIC AND LIGHTING ENGINEER

TRANSPORTATION SECTION  
TRAFFIC AND LIGHTING DESIGN UNIT  
JOSEPH C. BLAKEMAN  
REVISED: SEPTEMBER 9, 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.