

PROJECT UNIT COST ANALYSIS

ESTIMATE OF QUANTITIES

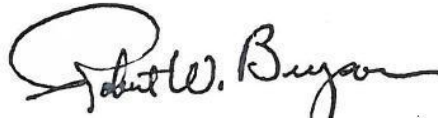
PROJECT ID 1693-35-99

INSTALL SEMI-ACTUATED OPERATION - 10 CONNECTING HIGHWAY INTERSECTIONS
VARIOUS HIGHWAYS
MILWAUKEE COUNTY

Item No.	Std. Bid Item No.	Description	Unit	Quantity	Excluded Costs	City Unit	City Total
71030	204.0155	Removing Concrete Sidewalk	SY	13	\$ -	\$ 6.57	\$ 85.39
71032	602.0410	Concrete Sidewalk 5-Inch	SF	117	\$ 143.91	\$ 7.89	\$ 922.55
71040	SPV.0105.01	Vehicular Microwave Detection System	LS	3	\$ 16,795.80	\$ 7,691.54	\$ 23,074.63
71065	658.0500	Pedestrian Push Buttons	Each	27	\$ 855.36	\$ 139.80	\$ 3,774.57
71143	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	155	\$ 9.30	\$ 8.41	\$ 1,303.08
71144	652.0610	Conduit Special 2 1/2-Inch	LF	70	\$ 1.40	\$ 7.78	\$ 544.60
71155	652.0900.S	Loop Detector Slots	LF	1,020	\$ 2,743.80	\$ 8.43	\$ 8,594.83
71156	SPV.0090.01	Cable Traffic Signal Loop Lead-In	LF	2,235	\$ 670.50	\$ 3.09	\$ 6,914.86
71172	SPV.0090.02	Cable Traffic Signal 17-14 AWG	LF	90	\$ 133.20	\$ 4.36	\$ 392.20
71188	SPV.0060.01	Polymer Concrete Vault 13"x24"x18"	Each	3	\$ 674.43	\$ 379.15	\$ 1,137.46
71195	SPV.0060.02	Signal Standard 5'	Each	4	\$ 2,123.52	\$ 1,031.85	\$ 4,127.38

TOTAL CITY COST \$ 50,871.55
TOTAL EXCLUDED COSTS \$ 24,151.22

APPROVED BY:



ROBERT W. BRYSON
CHIEF TRAFFIC AND LIGHTING ENGINEER

TRANSPORTATION SECTION
TRAFFIC AND LIGHTING DESIGN UNIT
JOSEPH C. BLAKEMAN
REVISED: OCTOBER 17, 2013

* 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.