

PROJECT UNIT COST ANALYSIS

ESTIMATE OF QUANTITIES

PROJECT ID 2984-48-90
 ATC CONTROLLER & COMM UPGRADE GRANT #5 - 88 INTERSECTIONS
 VARIOUS HIGHWAYS
 MILWAUKEE COUNTY

Item No.	Std. Bid Item No.	Description	Unit		Excluded Costs	City Unit	City Total
71052	SPV.0060.205	ATC Controller and Cabinet Installed	Each	69	\$ 946,791.09	\$ 16,578.91	\$ 1,143,945.06
71101	678.0200	Fiber Optic Splice Enclosure	Each	14	\$ 5,250.00	\$ 547.26	\$ 7,661.57
71102	678.0300	Fiber Optic Splice	Each	14	\$ -	\$ 76.09	\$ 1,065.27
71103	SPV.0060.212	Fiber Optic Patch Panel	Each	14	\$ 8,400.00	\$ 910.40	\$ 12,745.53
71104	SPV.0060.213	Ethernet Switch	Each	69	\$ 94,162.92	\$ 1,794.75	\$ 123,837.51
71105	SPV.0060.214	Fiber Optic Patch Cords	Each	14	\$ 811.30	\$ 77.84	\$ 1,089.81
71109	SPV.0060	Cellular Modem	Each	55	\$ 14,960.00	\$ 541.70	\$ 29,793.61

SUBTOTAL COST \$ 1,320,138.36
E & C (8%) \$ 105,611.07
TOTAL COST \$ 1,425,749.43

APPROVED BY:



JOSEPH C. BLAKEMAN, PE
 TRAFFIC CONTROL ENGINEER

TRANSPORTATION SECTION
 TRAFFIC AND LIGHTING DESIGN UNIT
 JAIME ORTIZ-ZUASNABAR
 REVISED: JUNE 26, 2019

* 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.