

PROJECT UNIT COST ANALYSIS

ESTIMATE OF QUANTITIES

PROJECT ID 2984-47-90
ATC CONTROLLER & COMM UPGRADE GRANT #4 - 65 INTERSECTIONS
VARIOUS HIGHWAYS
MILWAUKEE COUNTY

Item No.	Std. Bid Item No.	Description	Unit	Quantity	Excluded Costs	City Unit	City Total
71052	SPV.0060.01	ATC Controller and Cabinet Installed	Each	65	\$ 870,712.70	\$ 15,614.00	\$ 1,014,910.21
71101	678.0200	Fiber Optic Splice Enclosure	Each	29	\$ 10,875.00	\$ 538.72	\$ 12,354.00
71102	678.0300	Fiber Optic Splice	Each	29	\$ -	\$ 75.52	\$ 2,190.14
71103	SPV.0060.02	Fiber Optic Patch Panel	Each	29	\$ 17,400.00	\$ 907.04	\$ 26,304.16
71104	SPV.0060.03	Ethernet Switch	Each	29	\$ 20,278.25	\$ 1,019.79	\$ 29,573.85
71109	SPV.0060.04	Cellular Modem	Each	36	\$ 11,700.00	\$ 594.64	\$ 21,407.03

LFA CONSTRUCTION COST \$ 1,106,739.39
LFA EXCLUDED COST \$ 930,965.95
STATE REVIEW COST (10%) \$ 110,673.94
TOTAL PROJECT COST \$ 1,217,413.33

APPROVED BY:



JOSEPH C. BLAKEMAN, PE
TRAFFIC ENGINEER SENIOR

TRANSPORTATION SECTION
TRAFFIC AND LIGHTING DESIGN UNIT
SCOTT C. REINBACHER
REVISED: OCTOBER 10, 2016

* 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.