

## PROJECT UNIT COST ANALYSIS

**ESTIMATE OF QUANTITIES**  
 PROJECT ID 2984-28-92  
 ATC CONTROLLER & COMM UPGRADE GR 3 - 79 INTERSECTIONS  
 VARIOUS INTERSECTIONS  
 MILWAUKEE COUNTY

Item No.	Std. Bid Item No.	Description	Unit	Quantity	Excluded Costs	City Unit	City Total
71032B	SPV.0060.221	EVP Phase Selector Card 4 Channel	Each	39	\$ 109,005.00	\$ 3,269.94	\$ 127,527.52
71052	SPV.0060.205	ATC Controller and Cabinet Installed	Each	69	\$ 792,252.48	\$ 14,348.10	\$ 990,018.97
71101	678.0200	Fiber Optic Splice Enclosure	Each	34	\$ 12,750.00	\$ 577.57	\$ 19,637.46
71102	678.0300	Fiber Optic Splice	Each	34	\$ -	\$ 95.12	\$ 3,234.11
71103	SPV.0060.212	Fiber Optic Patch Panel	Each	34	\$ 22,370.30	\$ 1,037.06	\$ 35,259.96
71104	SPV.0060.213	Ethernet Switch	Each	79	\$ 107,809.72	\$ 1,858.00	\$ 146,781.67
71109	SPV.0060.209	Cellular Modem	Each	45	\$ 18,000.00	\$ 748.58	\$ 33,686.27

**LFA CONSTRUCTION COST**    \$ 1,356,145.96  
**LFA EXCLUDED COST**        \$ 1,062,187.50  
**STATE REVIEW COST (8%)**    \$ 108,491.68  
**TOTAL PROJECT COST**        \$ 1,464,637.64

APPROVED BY:

SCOTT C. REINBACHER, P.E.  
 TRAFFIC ENGINEER SENIOR

TRANSPORTATION SECTION  
 TRAFFIC AND LIGHTING DESIGN UNIT  
 REVISED: OCTOBER 4, 2021

\* 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.