

PROJECT UNIT COST ANALYSIS

ESTIMATE OF QUANTITIES
 PROJECT ID 3700-06-71
 INSTALL VIDEO DETECTION - 7 CON. HWY. INTERSECTIONS
 VARIOUS HIGHWAYS
 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	2	\$ 5,590.00	\$ 3,269.84	\$ 6,539.68
71034	SPV.0060.219	EVP 1 Channel 2 Direction Infrared Detector	Each	2	\$ 913.00	\$ 813.00	\$ 1,626.00
71035	SPV.0060.223	EVP Confirmation Light Assembly	Each	4	\$ 168.76	\$ 259.69	\$ 1,038.76
71039	SPV.0060.224	Vehicular Video Detection System	Each	7	\$ 102,616.85	\$ 17,311.27	\$ 121,178.89
71062	658.0173	Traffic Signal Face 3S 12-Inch	Each	7	\$ 2,207.59	\$ 606.31	\$ 4,244.17
71066	658.0412	Pedestrian Signal Face 12-Inch	Each	5	\$ 869.25	\$ 409.05	\$ 2,045.25
71067	SPV.0060.267	Pedestrian Countdown Signal Face 12-Inch	Each	5	\$ 914.60	\$ 419.58	\$ 2,097.90
71141	652.0220	Conduit Rigid Nonmetallic Schedule 40 1 1/2-Inch	LF	10	\$ 0.20	\$ 8.93	\$ 89.30
71143	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	110	\$ 16.50	\$ 9.08	\$ 998.80
71145	652.0230	Conduit Rigid Nonmetallic Schedule 40 2 1/2-Inch	LF	120	\$ 3.60	\$ 8.94	\$ 1,072.80
71146	652.0615	Conduit Special 3-Inch	LF	180	\$ 59.40	\$ 16.42	\$ 2,955.60
71147	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	95	\$ 31.35	\$ 9.29	\$ 882.55
71154	655.0900	Traffic Signal EVP Detector Cable	LF	50	\$ 28.50	\$ 4.20	\$ 210.00
71170	655.0250	Cable Traffic Signal 9-14 AWG	LF	45	\$ 49.05	\$ 4.82	\$ 216.90
71171	655.0260	Cable Traffic Signal 12-14 AWG	LF	150	\$ 189.00	\$ 5.00	\$ 750.00
71172	SPV.0090.211	Cable Traffic Signal 17-14 AWG	LF	400	\$ 660.00	\$ 5.45	\$ 2,180.00
71173	SPV.0090.212	Cable Traffic Signal 20-14 AWG	LF	230	\$ 333.50	\$ 5.22	\$ 1,200.60
71188	SPV.0060.302	Polymer Concrete Vault 13"x24"x24"	Each	5	\$ 1,443.00	\$ 509.81	\$ 2,549.05
71189	SPV.0060.303	Polymer Concrete Vault 17"x30"x24"	Each	11	\$ 3,480.07	\$ 542.07	\$ 5,962.77
-	SPV.0060.316	Poles Type AL-26	Each	5	\$ 2,944.80	\$ 1,131.79	\$ 5,658.95

LFA CONSTRUCTION COST \$ 163,497.97
LFA EXCLUDED COST \$ 122,519.02

APPROVED BY:

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

TRANSPORTATION SECTION
 TRAFFIC AND LIGHTING DESIGN UNIT
 REVISED: APRIL 19, 2023 (FINAL)

* 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.