

PROJECT UNIT COST ANALYSIS

ESTIMATE OF QUANTITIES

PROJECT ID 2080-00-92
N. TEUTONIA AVE. - W. GROELING AVE. TO W. CAPITOL DR.
LOCAL STREET
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	4	\$ 11,004.00	\$ 3,197.91	\$ 12,791.64
71033	SPV.0060.218	EVP 1 Channel 1 Direction Infrared Detector	Each	3	\$ 1,334.16	\$ 741.46	\$ 2,224.37
71034	SPV.0060	EVP 1 Channel 2 Direction Infrared Detector	Each	5	\$ 2,282.50	\$ 755.08	\$ 3,775.39
71035	SPV.0060.223	EVP Confirmation Light Assembly	Each	13	\$ 548.47	\$ 230.99	\$ 3,002.81
71039	SPV.0060.224	Vehicular Video Detection System	Each	4	\$ 30,389.40	\$ 9,013.47	\$ 36,053.89
71052	SPV.0060.205	ATC Controller and Cabinet Installed	Each	4	\$ 54,886.44	\$ 16,578.92	\$ 66,315.66
71052A	SPV.0060.215	Electrical Service Utility Installed	Each	4	\$ 9,430.34	\$ 5,715.16	\$ 11,430.32
71060	658.0175	Traffic Signal Face 5S 12-Inch	Each	4	\$ 1,667.24	\$ 674.09	\$ 2,696.37
71061	658.0174	Traffic Signal Face 4S 12-Inch	Each	3	\$ 1,028.16	\$ 588.40	\$ 1,765.21
71062	658.0173	Traffic Signal Face 3S 12-Inch	Each	29	\$ 7,318.44	\$ 483.91	\$ 14,033.30
71064	658.0171	Traffic Signal Face 1S 12-Inch	Each	4	\$ 427.89	\$ 237.79	\$ 951.14
71065	658.0500	Pedestrian Push Buttons	Each	8	\$ 256.00	\$ 150.58	\$ 1,204.61
71066	658.0412	Pedestrian Signal Face 12-Inch	Each	22	\$ 3,005.42	\$ 323.88	\$ 7,125.35
71067	SPV.0060.267	Pedestrian Countdown Signal Face 12-Inch	Each	22	\$ 2,994.20	\$ 323.29	\$ 7,112.37
71080	658.1115	Programmable Traffic Signal Face 4-12 Vertical	Each	1	\$ 2,507.50	\$ 3,336.36	\$ 3,336.36
71081	658.1110	Programmable Traffic Signal Face 3-12 Vertical	Each	4	\$ 7,558.56	\$ 2,512.69	\$ 10,050.74
71102	678.0300	Fiber Optic Splice	Each	4	\$ -	\$ 76.09	\$ 304.37
71103	SPV.0060.212	Fiber Optic Patch Panel	Each	4	\$ 2,400.00	\$ 910.40	\$ 3,641.59
71104	SPV.0060.213	Ethernet Switch	Each	4	\$ 5,458.72	\$ 1,794.75	\$ 7,179.00
71105	SPV.0060.214	Fiber Optic Patch Cords	Each	4	\$ 231.80	\$ 77.84	\$ 311.37
71112	678.0072	Install Fiber Optic Cable Outdoor Plant 72-CT	LF	8,560	\$ 14,980.00	\$ 2.93	\$ 25,101.43
71143	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	260	\$ 15.60	\$ 8.57	\$ 2,227.25
71154	655.0900	Traffic Signal EVP Detector Cable	LF	990	\$ 445.50	\$ 3.40	\$ 3,369.81
71156	655.0700	Loop Detector Lead In Cable	LF	20	\$ 3.20	\$ 3.07	\$ 61.37
71161	SPV.0090.307	Cable Service 3 #4/1 #8 LTP	LF	1,135	\$ 1,918.15	\$ 4.30	\$ 4,879.73
71170	655.0250	Cable Traffic Signal 9-14 AWG	LF	130	\$ 59.80	\$ 3.42	\$ 444.00
71171	655.0260	Cable Traffic Signal 12-14 AWG	LF	2,700	\$ 2,268.00	\$ 3.85	\$ 10,408.20
71172	SPV.0090.211	Cable Traffic Signal 17-14 AWG	LF	1,240	\$ 1,463.20	\$ 4.25	\$ 5,267.63
71173	SPV.0090.212	Cable Traffic Signal 20-14 AWG	LF	490	\$ 676.20	\$ 4.48	\$ 2,194.91
71201	657.0100	Pedestal Base	Each	17	\$ 3,315.00	\$ 236.87	\$ 4,026.86
71202	657.0405	Traffic Signal Standards Aluminum 3.5-FT	Each	1	\$ 250.00	\$ 300.48	\$ 300.48
71205	657.0420	Traffic Signal Standards Aluminum 13-FT	Each	12	\$ 3,900.00	\$ 387.22	\$ 4,646.63
71206	657.0425	Traffic Signal Standards Aluminum 15-FT	Each	5	\$ 1,925.00	\$ 456.61	\$ 2,283.04
73291	SPV.0060.282	Socket 3' RSP	Each	20	\$ 730.60	\$ 63.27	\$ 1,265.48
73292	SPV.0060.283	Socket (Concrete Install)	Each	31	\$ 670.22	\$ 56.54	\$ 1,752.84
73295	SPV.0060.284	Pipe 2"x9'-6"	Each	38	\$ 2,052.00	\$ 66.66	\$ 2,532.94
73297	SPV.0060.285	Pipe 2"x11'-0"	Each	12	\$ 381.72	\$ 40.99	\$ 491.93
73298	SPV.0060.286	Pipe 2"x12'-10"	Each	1	\$ 54.00	\$ 66.65	\$ 66.65
73299	637.2220	Signs Type II Reflective SH	SF	644	\$ 3,979.92	\$ 14.23	\$ 9,160.95

SUBTOTAL COST \$ 275,787.99

E & C (8%) \$ 22,063.04

TOTAL COST \$ 297,851.03

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.