

# PRELIMINARY ESTIMATE OF COST - TRAFFIC SIGNALS

LOCATION: Belmont Ave @ Edgington St; Franklin Park, IL

<u>ITEM NO.</u>	<u>CODE NO.</u>	<u>QUAN.</u>	<u>UNIT</u>	<u>ITEM DESCRIPTION</u>	<u>UNIT PRICE</u>	<u>COST</u>
1	70102635	1	L SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	\$ 30,000.00	\$ 30,000.00
2	72000100	36	SQ FT	SIGN PANEL - TYPE 1	\$ 40.00	\$ 1,440.00
3	81028200	750	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	\$ 35.00	\$ 26,250.00
4	81028220	150	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	\$ 45.00	\$ 6,750.00
5	81028240	500	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	\$ 55.00	\$ 27,500.00
6	81400100	5	EACH	HANDHOLE	\$ 1,800.00	\$ 9,000.00
7	81400200	2	EACH	HEAVY-DUTY HANDHOLE	\$ 2,000.00	\$ 4,000.00
8	81400300	1	EACH	DOUBLE HANDHOLE	\$ 3,500.00	\$ 3,500.00
9	87301215	1200	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	\$ 1.50	\$ 1,800.00
10	87301225	1500	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	\$ 1.60	\$ 2,400.00
11	87301245	3000	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	\$ 1.80	\$ 5,400.00
12	87301255	1500	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	\$ 2.00	\$ 3,000.00
13	87301305	1000	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	\$ 1.25	\$ 1,250.00
14	87301805	150	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	\$ 4.50	\$ 675.00
15	87301900	750	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	\$ 2.00	\$ 1,500.00
16	87502500	4	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	\$ 1,500.00	\$ 6,000.00
17	87700200	4	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	\$ 14,000.00	\$ 56,000.00
18	87800100	20	FOOT	CONCRETE FOUNDATION, TYPE A	\$ 300.00	\$ 6,000.00
19	87800150	4	FOOT	CONCRETE FOUNDATION, TYPE C	\$ 500.00	\$ 2,000.00
20	87800400	54	FOOT	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	\$ 350.00	\$ 18,900.00

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21	88030020	7	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	\$ 990.00	\$ 6,930.00
22	88030050	5	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	\$ 950.00	\$ 4,750.00
23	88030100	3	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	\$ 1,405.00	\$ 4,215.00
24	88030110	3	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	\$ 1,465.00	\$ 4,395.00
25	88102717	8	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	\$ 950.00	\$ 7,600.00
26	88200410	10	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	\$ 250.00	\$ 2,500.00
27	88500100	6	EACH	INDUCTIVE LOOP DETECTOR	\$ 210.00	\$ 1,260.00
28	88600100	400	FOOT	DETECTOR LOOP, TYPE I	\$ 25.00	\$ 10,000.00
29	88700200	2	EACH	LIGHT DETECTOR	\$ 1,300.00	\$ 2,600.00
30	88700300	1	EACH	LIGHT DETECTOR AMPLIFIER	\$ 2,100.00	\$ 2,100.00
31	89000100	1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION	\$ 65,000.00	\$ 65,000.00
32	89502300	3000	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT	\$ 2.00	\$ 6,000.00
33	89502375	1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	\$ 4,000.00	\$ 4,000.00
34	89502380	6	EACH	REMOVE EXISTING HANDHOLE	\$ 600.00	\$ 3,600.00
35	89502385	5	EACH	REMOVE EXISTING CONCRETE FOUNDATION	\$ 650.00	\$ 3,250.00
36	X0324085	350	FOOT	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	\$ 2.00	\$ 700.00
37	X1400107	1	EACH	FULL ACTUATED CONTROLLER AND TYPE SUPER P CABINET	\$ 32,000.00	\$ 32,000.00
38	X1400150	1	EACH	SERVICE INSTALLATION, GROUND MOUNTED, METERED	\$ 4,000.00	\$ 4,000.00
39	X1400388	2	EACH	VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	\$ 10,000.00	\$ 20,000.00
40	X8620200	1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	\$ 8,500.00	\$ 8,500.00

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41	X8760200	8	EACH	ACCESSIBLE PEDESTRIAN SIGNALS	\$ 1,800.00	\$ 14,400.00
42	X8809005	18	EACH	LED SIGNAL FACE, LENS COVER	\$ 450.00	\$ 8,100.00
43	Z0073510	1	EACH	TEMPORARY TRAFFIC SIGNAL TIMING	\$ 2,000.00	\$ 2,000.00
44		1	LSUM	TRAFFIC SIGNAL INTERCONNECT	\$ 30,000.00	\$ 30,000.00
45		1	LSUM	ENGINEERING/DESIGN COSTS	\$ 35,000.00	\$ 35,000.00
				TOTAL		\$ 496,265.00

Contingency - 30%	\$ 148,879.50
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Total	\$ 645,144.50
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Does not include cost for:  
 Roadway/sidewalk/pavement markings  
 Utility adjustments or ROW takings  
 Street Lighting modifications  
 Survey/permit fees