



CABLE PLAN LEGEND

- | PROPOSED | EXISTING | |
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| | | 8" (200mm) TRAFFIC SIGNAL SECTION |
| | | 12" (300mm) TRAFFIC SIGNAL SECTION |
| | | 12" (300mm) PEDESTRIAN SIGNAL SECTION |
| | | 12" (300mm) PEDESTRIAN SIGNAL SECTION |
| | | CONTROLLER CABINET SERVICE INSTALLATION |
| | | TELEPHONE CONNECTION |
| | | MAGNETIC DETECTOR |
| | | PUSHBUTTON DETECTOR |
| | | VEHICLE DETECTOR, INDUCTION LOOP |
| | | DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED. |
| | | SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD |
| | | RAILROAD CONTROL CABINET |
| | | ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN" |
| | | ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN" |
| | | GROUND ROD AT HANDHOLE, DOUBLE HANDHOLE, OR CONTROLLER |
| | | GROUND ROD AT POST OR MAST ARM POLE |
| | | GROUND ROD AT ELECTRIC SERVICE INSTALLATION |
| | | GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN) |
| | | FIBER OPTIC CABLE IN CONDUIT NO. 62.5125 2-MM12F & SM12F |
| | | MICROWAVE VEHICLE SENSOR |
| | | VIDEO DETECTOR |
| | | CLOSED CIRCUIT TV |
| | | EMERGENCY VEHICLE LIGHT DETECTOR |
| | | CONFIRMATION BEACON |
| | | UNINTERRUPTIBLE POWER SUPPLY |

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM	QUANTITY	UNIT	ITEM
825	SQ FT	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
825	SQ FT	SIDEWALK REMOVAL	2	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 20 FT.
0.1	L SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.
0.1	L SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.
0.1	L SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	16	FOOT	CONCRETE FOUNDATION, TYPE A
58.5	SQ FT	SIGN PANEL - TYPE 1	4	FOOT	CONCRETE FOUNDATION, TYPE C
30	SQ FT	SIGN PANEL - TYPE 2	30	FOOT	CONCRETE FOUNDATION, TYPE E 30" DIAMETER
272	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	30	FOOT	CONCRETE FOUNDATION, TYPE E 36" DIAMETER
134	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	12	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
264	SQ FT	THERMOPLASTIC PAVEMENT MARKING REMOVAL	10	EACH	INDUCTIVE LOOP DETECTOR
449	FOOT	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	800	FOOT	DETECTOR LOOP, TYPE I
39	FOOT	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	3	EACH	PEDESTRIAN PUSH-BUTTON
10	FOOT	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
191	FOOT	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	4	EACH	ILLUMINATED SIGN, L.E.D.
38	FOOT	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	2*	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT
342	FOOT	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	1*	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT
8	EACH	HANDHOLE	1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
2	EACH	HEAVY-DUTY HANDHOLE	6	EACH	REMOVE EXISTING HANDHOLE
1	EACH	DOUBLE HANDHOLE	9	EACH	REMOVE EXISTING CONCRETE FOUNDATION
493	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK	10	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	2	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, BRACKET MOUNTED
1	EACH	TRANSCIEVER - FIBER OPTIC	2	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, BRACKET MOUNTED
300	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	2	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED
1461	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	2	EACH	PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED
2092	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	1	EACH	PEDESTRIAN SIGNAL HEAD, L.E.D., 2-FACE, BRACKET MOUNTED
703	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	1	EACH	TEMPORARY TRAFFIC SIGNAL TIMINGS
2250	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1-PAIR	1	EACH	SERVICE INSTALLATION, POLE MOUNT
103	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	1	EACH	UNINTERRUPTIBLE POWER SUPPLY
569	FOOT	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	1	EACH	RAILROAD PROTECTIVE LIABILITY INSURANCE
244	FOOT	ELECTRIC CABLE IN CONDUIT, NO. 20 3C, TWISTED, SHIELDED	1	EACH	RAILROAD, FULL-ACTUATED CONTROLLER AND TYPE V CABINET (SPECIAL)
128	FOOT	ELECTRIC CABLE IN CONDUIT, RAILROAD NO. 14 3C			
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.			

TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16		17	0.50	136.00
(YELLOW)	16		25	0.25	100.00
(GREEN)	16		15	0.25	60.00
ARROW	8		12	0.10	9.60
PED. SIGNAL	4		25	1.00	100.00
CONTROLLER	1		100	1.00	100.00
ILLUM. SIGN	4	84		0.05	16.80
FLASHER				0.05	-
ENERGY COSTS TO:					TOTAL=
VILLAGE OF MELROSE PARK					522.40
1000 N. 25TH AVENUE					
MELROSE PARK, IL 60160					
ENERGY SUPPLY CONTACT: MR. MIKE BELL					
PHONE: (708) 410-5314					
COMPANY: COMED					

NOTE:
PUSHBUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.