



THE END OF THE TRACER CABLE SHALL BE TIED TO A CABLE HOOK IN THE DOUBLE HANDHOLE CLOSEST TO THE CONTROLLER FOUNDATION.

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**CABLE PLAN LEGEND**

PROPOSED	EXISTING	DESCRIPTION
[Symbol]	[Symbol]	8" (200mm) TRAFFIC SIGNAL SECTION
[Symbol]	[Symbol]	12" (300mm) TRAFFIC SIGNAL SECTION
[Symbol]	[Symbol]	12" (300mm) PEDESTRIAN SIGNAL SECTION
[Symbol]	[Symbol]	12" (300mm) PEDESTRIAN SIGNAL SECTION
[Symbol]	[Symbol]	CONTROLLER CABINET SERVICE INSTALLATION
[Symbol]	[Symbol]	TELEPHONE CONNECTION
[Symbol]	[Symbol]	MAGNETIC DETECTOR
[Symbol]	[Symbol]	PUSHBUTTON DETECTOR
[Symbol]	[Symbol]	VEHICLE DETECTOR, INDUCTION LOOP
[Symbol]	[Symbol]	DENOTES NUMBER OF CONDUCTORS, ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
[Symbol]	[Symbol]	SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD
[Symbol]	[Symbol]	RAILROAD CONTROL CABINET
[Symbol]	[Symbol]	ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"
[Symbol]	[Symbol]	ILLUMINATE SIGN, FIBER OPTIC "NO RIGHT TURN"
[Symbol]	[Symbol]	GROUND ROD AT HANDHOLE, DOUBLE HANDHOLE, OR CONTROLLER
[Symbol]	[Symbol]	GROUND ROD AT POST OR MAST ARM POLE
[Symbol]	[Symbol]	GROUND ROD AT ELECTRIC SERVICE INSTALLATION
[Symbol]	[Symbol]	GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
[Symbol]	[Symbol]	FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F & SM12F
[Symbol]	[Symbol]	MICROWAVE VEHICLE SENSOR
[Symbol]	[Symbol]	VIDEO DETECTOR
[Symbol]	[Symbol]	CLOSED CIRCUIT TV
[Symbol]	[Symbol]	EMERGENCY VEHICLE LIGHT DETECTOR
[Symbol]	[Symbol]	CONFIRMATION BEACON
[Symbol]	[Symbol]	UNINTERRUPTIBLE POWER SUPPLY

**SCHEDULE OF QUANTITIES**

QUANTITY	UNIT	ITEM
825	SQ FT	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
825	SQ FT	SIDEWALK REMOVAL
0.1	L SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501
0.1	L SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701
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68.5	SQ FT	SIGN PANEL - TYPE 1
30	SQ FT	SIGN PANEL - TYPE 2
272	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 12"
134	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 24"
264	SQ FT	THERMOPLASTIC PAVEMENT MARKING REMOVAL
449	FOOT	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL
39	FOOT	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL
10	FOOT	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL
191	FOOT	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL
38	FOOT	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL
342	FOOT	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL
8	EACH	HANDHOLE
2	EACH	HEAVY-DUTY HANDHOLE
1	EACH	DOUBLE HANDHOLE
493	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1	EACH	TRANSCIEVER - FIBER OPTIC
300	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
1461	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
2092	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
703	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
2250	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1-PAIR
103	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
669	FOOT	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C
244	FOOT	ELECTRIC CABLE IN CONDUIT, NO. 20 3C, TWISTED, SHIELDED
128	FOOT	ELECTRIC CABLE IN CONDUIT, RAILROAD NO. 14 3C
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.

QUANTITY	UNIT	ITEM
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
2	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 20 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.
16	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE C
30	FOOT	CONCRETE FOUNDATION, TYPE E 30" DIAMETER
30	FOOT	CONCRETE FOUNDATION, TYPE E 36" DIAMETER
12	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
10	EACH	INDUCTIVE LOOP DETECTOR
800	FOOT	DETECTOR LOOP, TYPE I
3	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
4	EACH	ILLUMINATED SIGN, L.E.D.
2*	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT
2*	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
6	EACH	REMOVE EXISTING HANDHOLE
9	EACH	REMOVE EXISTING CONCRETE FOUNDATION
10	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED
2	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED
2	EACH	PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED
1	EACH	PEDESTRIAN SIGNAL HEAD, L.E.D., 2-FACE, BRACKET MOUNTED
1	EACH	TEMPORARY TRAFFIC SIGNAL TIMINGS
1	EACH	SERVICE INSTALLATION, POLE MOUNT
1	EACH	UNINTERRUPTIBLE POWER SUPPLY
1	EACH	RAILROAD PROTECTIVE LIABILITY INSURANCE
1	EACH	RAILROAD, FULL-ACTUATED CONTROLLER AND TYPE V CABINET (SPECIAL)

TYPE	NO. LAMPS	WATTAGE	% 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 = 522.40
VILLAGE OF MELROSE PARK				
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.