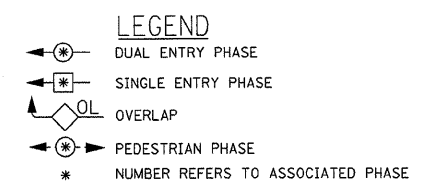
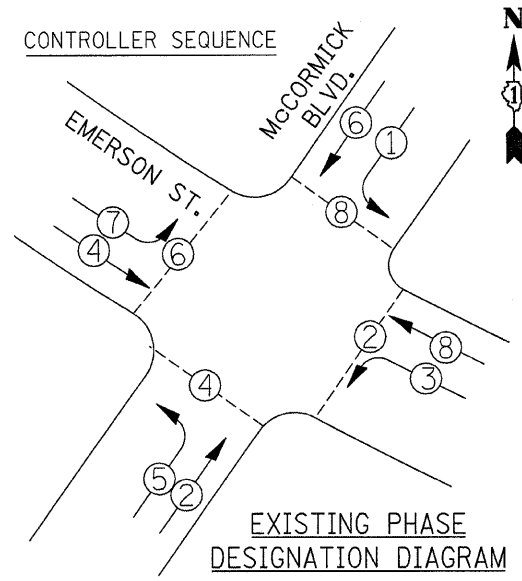


CABLE PLAN LEGEND



- | | | | |
|--|--|--|--|
| | G 8" (200mm) TRAFFIC SIGNAL SECTION | | R SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD |
| | R 12" (300mm) TRAFFIC SIGNAL SECTION | | "E" ILLUMINATED SIGN "NO LEFT TURN" |
| | W 12" (300mm) PEDESTRIAN SIGNAL SECTION | | "E" ILLUMINATED SIGN "NO RIGHT TURN" |
| | W 12" (300mm) PEDESTRIAN SIGNAL SECTION | | C GROUND ROD AT HANDHOLE(H), DOUBLE HANDHOLE(H), OR CONTROLLER(C) |
| | ☒ CONTROLLER CABINET | | P GROUND ROD AT POST (P) OR MAST ARM POLE (MA) |
| | ☐ SERVICE INSTALLATION | | S GROUND ROD AT ELECTRIC SERVICE INSTALLATION |
| | ☒ TELEPHONE CONNECTION | | ① GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN) |
| | ☐ MAGNETIC DETECTOR | | ②④ FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F |
| | ☒ EMERGENCY VEHICLE LIGHT DETECTOR | | B UNINTERRUPTIBLE POWER SUPPLY |
| | ☐ CONFIRMATION BEACON | | |
| | ⊙ PUSHBUTTON DETECTOR | | |
| | ☐ VEHICLE DETECTOR, INDUCTION LOOP | | |
| | ② DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED. | | |

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

CONTRACT NO. 60B98

CONSTRUCTION NOTE:

WEST BOUND PHASING SHALL BE TURNED OFF DURING CONSTRUCTION OF BRIDGE CLOSURE.

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
HEAVY-DUTY HANDHOLE	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1PAIR	FOOT	627
ELECTRIC CABLE IN CONDUIT, GROUNDING NO. 6 1C	FOOT	27.5
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	50
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16FT.	EACH	2
TRAFFIC SIGNAL POST, GALVANIZED STEEL 18FT.	EACH	2
SIGNAL HEAD, L.E.D. 1-FACE, 5 SECTION, MAST ARM MNTD.	EACH	4
SIGNAL HEAD, L.E.D. 1-FACE, 5 SECTION, BRACKET MNTD.	EACH	1
SIGNAL HEAD, L.E.D. 1-FACE, 3 SECTION, BRACKET MNTD.	EACH	2
SIGNAL HEAD, L.E.D. 2-FACE, 1-5, 1-3 SECT. BRACKET MNTD.	EACH	3
SIGNAL HEAD, L.E.D. 3-FACE, 2-5, 1-3 SECT. BRACKET MNTD.	EACH	1
PEDESTRIAN SIGNAL HEAD, L.E.D., 2-FACE, BRKT. MTD.	EACH	4
PEDESTRIAN PUSH-BUTTON DETECTOR LOOP, TYPE 1	EACH	4
INDUCTIVE LOOP DETECTOR	FOOT	170
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	2
SERVICE INSTALLATION, POLE MOUNT	EACH	4
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
UNINTERRUPTIBLE POWER SUPPLY	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (1.0)
D - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20'H-2" (6m+L-0.6m)=
E - M. ARM POLE		SIGNAL POST	2 (1.0)	BRACKET MOUNTED	13 (4.0)
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	PED. PUSHBUTTON	4 (1.2)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	ELECTRIC SERVICE	13.5 (4.1)
36" (900mm)	15 (4.6)	ELECTRIC SERVICE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
		GROUND CABLE	1 (0.5)	POST MOUNTED	6 (1.8)

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	%OPERATION	
SIGNAL (RED)	16	135	17	0.50	136.00
(YELLOW)	16	135	25	0.25	100.00
(GREEN)	16	135	15	0.25	60.00
ARROW	20	135	12	0.10	24.00
PED. SIGNAL	8	90	25	1.00	200.00
CONTROLLER	1	100	100	1.00	100.00
ILLUM. SIGN		84		0.05	

ENERGY COSTS TO: TOTAL = 620.00

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHUMBURG, ILLINOIS 60196-1096
CONTACT: LARRY D. SHANK
PHONE: (847) 291-3214
COMPANY: COM. EDISON

