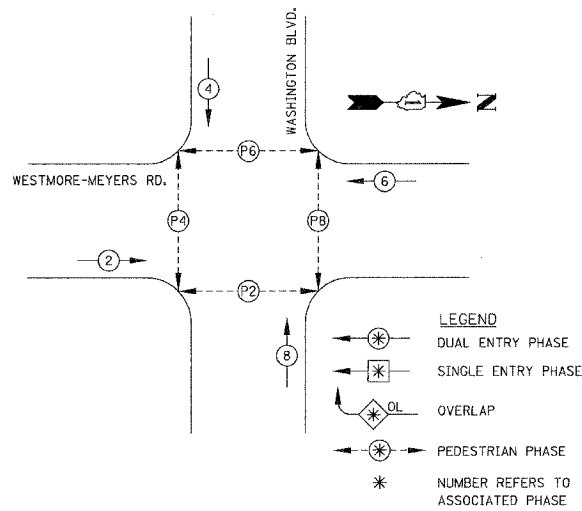
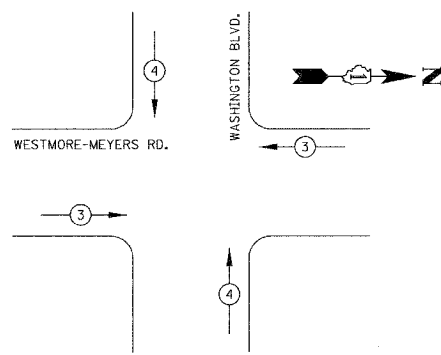


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2638	00-00139-00-RS	DUPAGE	68	54
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
PROJECT NO.: M-8003 (663)				

PHASE DESIGNATION DIAGRAM/CONTROLLER SEQUENCE



EMERGENCY VEHICLE PREEMPTION SEQUENCE

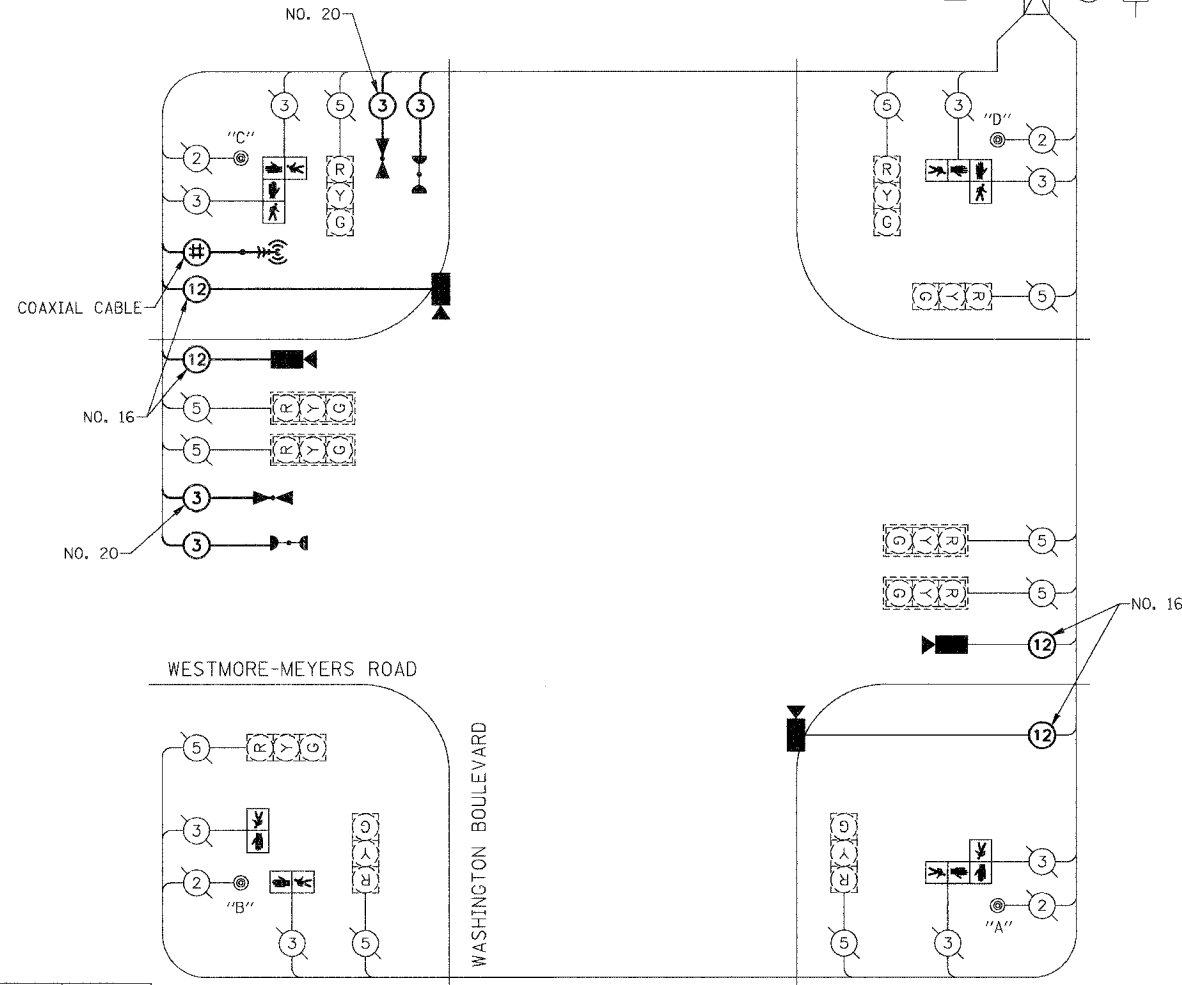


EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↑ ↓

- | EXISTING | PROPOSED | |
|----------|----------|--|
| | | 8" (200mm) TRAFFIC SIGNAL SECTION |
| | | 12" (300mm) TRAFFIC SIGNAL SECTION |
| | | 12" (300mm) PEDESTRIAN SIGNAL SECTION |
| | | LEFT TURN GREEN |
| | | LEFT TURN YELLOW |
| | | 12" (300mm) PEDESTRIAN SIGNAL SECTION |
| | | CONTROLLER |
| | | SERVICE INSTALLATION |
| | | TELEPHONE CONNECTION |
| | | DETECTOR LOOP |
| | | EMERGENCY VEHICLE LIGHT DETECTOR |
| | | CONFIRMATION BEACON |
| | | PEDESTRIAN PUSHBUTTON DETECTOR |
| | | 2 DENOTES NUMBER OF CONDUCTORS ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED. |
| | | 1 GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN) |
| | | 24 FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F SM12F |
| | | RAILROAD CONTROL CABINET |
| | | R "P" SIGNAL FACE WITH BACKPLATE "P" INDICATES PROGRAMMED HEAD. |
| | | "N" ILLUMINATED SIGN "NO LEFT TURN" |
| | | "R" ILLUMINATED SIGN "NO RIGHT TURN" |
| | | RADIO INTERCONNECT ANTENNA |
| | | IMAGE SENSOR |
| | | CX COAXIAL CABLE |

SCHEDULE OF QUANTITIES

DESCRIPTION	UNIT	QTY
COAXIAL CABLE IN CONDUIT	FOOT	108.5
ANTENNA, YAGI, 900 MHZ	EACH	1
RADIO TRANSCEIVER	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1
PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED	EACH	8
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CONDUIT, PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	112
ELECTRIC CABLE IN CONDUIT, COMMUNICATION, NO. 16 PAIR	FOOT	512
ELECTRIC CABLE IN CONDUIT, NO. 20, 3/C, TWISTED, SHIELDED	FOOT	200
DRILL EXISTING HANDHOLE	EACH	4
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	200
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
REMOVE EXISTING HANDHOLE	EACH	2
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	630
VIDEO DETECTION SYSTEM, COMPLETE INTERSECTION	EACH	1
VIDEO TRANSMISSION SYSTEM	EACH	1



CABLE PLAN

NOTE:

PUSHBUTTON "A" SHALL PLACE A CALL TO PHASES 2 & 8.
 PUSHBUTTON "B" SHALL PLACE A CALL TO PHASES 2 & 4.
 PUSHBUTTON "C" SHALL PLACE A CALL TO PHASES 4 & 6.
 PUSHBUTTON "D" SHALL PLACE A CALL TO PHASES 6 & 8.

TYPE	NO. LAMPS	WATTAGE INCAND.	LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	10	135		0.50	675.00
(YELLOW)	10	135		0.25	337.50
(GREEN)	10	135		0.25	337.50
ARROW	-	135		0.10	-
PED. SIGNAL	8		25	1.00	200.00
CONTROLLER	1	100		1.00	100.00
DET. CAMERA	4	25		1.00	100.00
FLASHER				0.50	-
ENERGY COSTS TO:					TOTAL = 1750.00

VILLAGE OF LOMBARD
 255 E. WILSON AVENUE
 LOMBARD, ILLINOIS 60148-3931

ENERGY SUPPLY: CONTACT:
 PHONE:
 COMPANY: COMMONWEALTH EDISON

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'±L-2'±
C - M. ARM POLE		SIGNAL POST	2 (1.0)	(6m±L-0.6m)±	
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
		ELECTRIC SERVICE	1 (0.5)	ELECTRIC SERVICE	13.5 (4.1)
		GROUND CABLE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
				POST MOUNTED	6 (1.8)

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		VILLAGE OF LOMBARD WESTMORE/MEYERS RESURFACING PROJECT
		TRAFFIC SIGNAL CABLE PLAN, SCHEDULE OF QUANTITIES AND SEQUENCE OF OPERATIONS WASHINGTON BOULEVARD
		SCALE: N.T.S. DRAWN BY: JMT
		DATE: 01/31/07 CHECKED BY: DEM