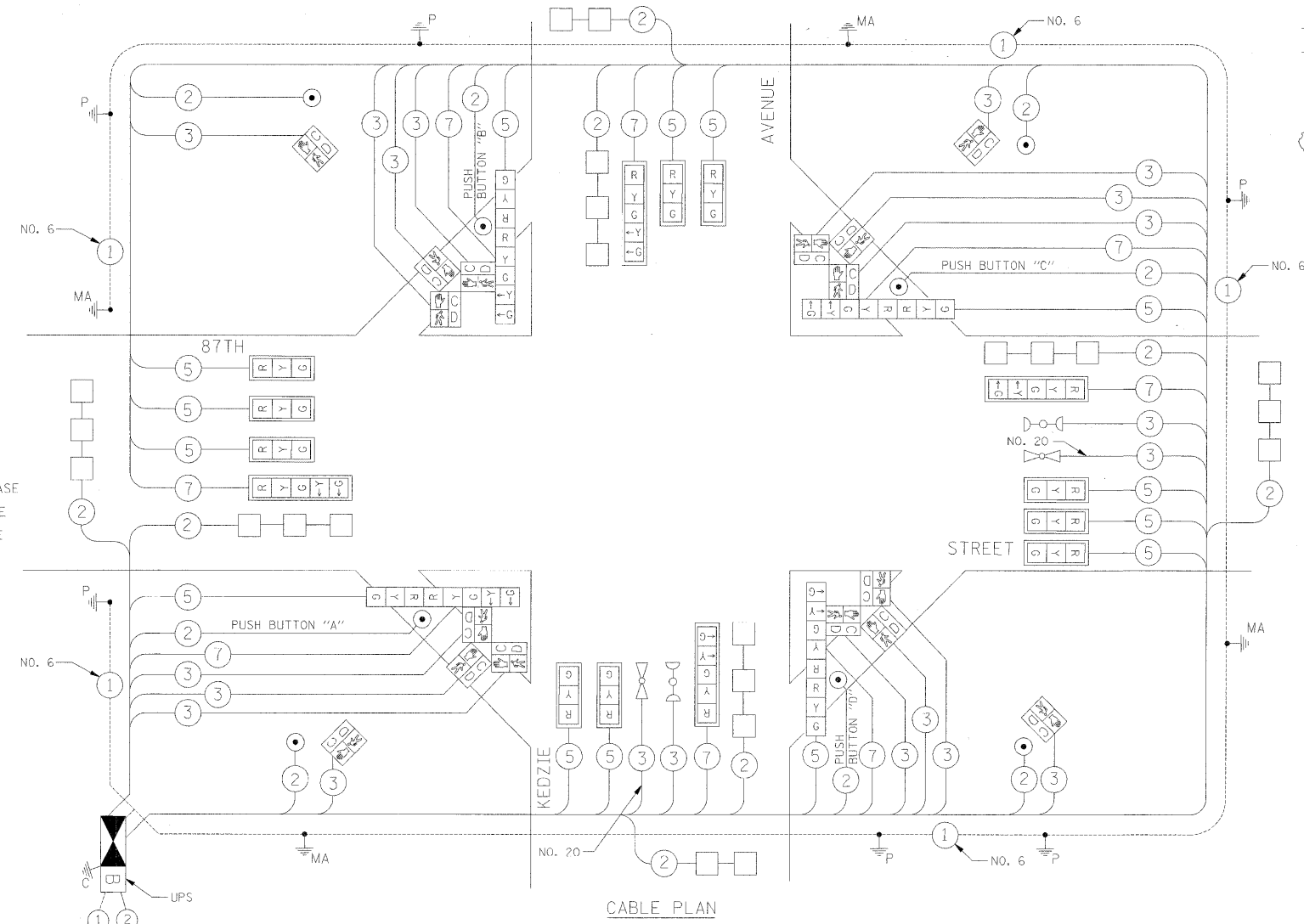
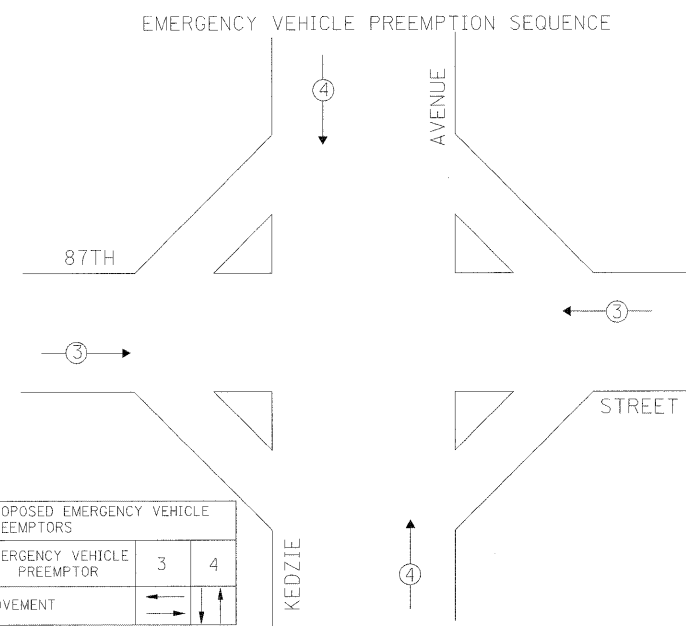


PHASE DESIGNATION DIAGRAM



CABLE PLAN

SUMMARY OF QUANTITIES

QUANTITY	UNIT	ITEM	QUANTITY	UNIT	ITEM
40	SQ FT	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	2587	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1-PAIR
128	SQ FT	DETECTABLE WARNINGS	121	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
1	L SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	651	FOOT	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C
1	L SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	367	FOOT	ELECTRIC CABLE IN CONDUIT, NO. 20 3C, TWISTED, SHIELDED
1	L SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.
1	L SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	4	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
27	SQ FT	SIGN PANEL - TYPE 1	4	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.
696	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	24	FOOT	CONCRETE FOUNDATION, TYPE A
235	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	4	FOOT	CONCRETE FOUNDATION, TYPE C
1020	FOOT	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	60	FOOT	CONCRETE FOUNDATION, TYPE E 36" DIAMETER
15	FOOT	CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	4	EACH	DRILL EXISTING HANDHOLE
10	FOOT	CONDUIT IN TRENCH, 5" DIA., GALVANIZED STEEL	10	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED
224	FOOT	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	4	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED
134	FOOT	CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL	4	EACH	SIGNAL HEAD, L.E.D., 2-FACE, 1-3 SECTION, 1-5 SECTION BRACKET MOUNTED
82	FOOT	CONDUIT PUSHED, 3 1/2" DIA., GALVANIZED STEEL	4	EACH	PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
85	FOOT	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	4	EACH	PEDESTRIAN SIGNAL HEAD, L.E.D., 3-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
309	FOOT	CONDUIT PUSHED, 5" DIA., GALVANIZED STEEL	4	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
9	EACH	HANDHOLE	841	FOOT	INDUCTIVE LOOP DETECTOR
4	EACH	HEAVY-DUTY HANDHOLE	8	EACH	DETECTOR LOOP, TYPE I
3	EACH	DOUBLE HANDHOLE	1	EACH	PEDESTRIAN PUSH-BUTTON
1040	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK	1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	UNINTERRUPTIBLE POWER SUPPLY	19	EACH	REMOVE EXISTING HANDHOLE
1810	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	12	EACH	REMOVE EXISTING CONCRETE FOUNDATION
4048	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	102.8	SQ FT	TEMPORARY INFORMATION SIGNING
3964	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	1	EACH	TEMPORARY TRAFFIC SIGNAL TIMINGS
2153	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	1	EACH	SERVICE INSTALLATION, POLE MOUNT

TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	22	17	0.50	187.00	
(YELLOW)	22	0.25	137.50		
(GREEN)	22	15	0.25	82.50	
ARROW	16	12	0.10	19.20	
PED. SIGNAL	16	25	1.00	400.00	
CONTROLLER	1	100	1.00	100.00	
ILLUM. SIGN			0.05	-	
FLASHER			0.05	-	
ENERGY COSTS TO:					TOTAL = 926.20
VILLAGE OF EVERGREEN PARK 9418 S. KEDZIE AVENUE EVERGREEN PARK, IL 60805					
ENERGY SUPPLY CONTACT:	VALERIE MURPHY				
PHONE:	(708)235-2346				
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'-4"-2"
E - M. ARM POLE	10 (3.0)	SIGN. POST	2 (1.0)	6m-L-0.6m=	
24" (600mm)	15 (4.6)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
30" (750mm)		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)

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
[Symbol]	[Symbol]	SERVICE INSTALLATION
[Symbol]	[Symbol]	TELEPHONE CONNECTION
[Symbol]	[Symbol]	MAGNETIC DETECTOR
[Symbol]	[Symbol]	PUSHBUTTON DETECTOR
[Symbol]	[Symbol]	VEHICLE DETECTOR, INDUCTION LOOP
[Symbol]	[Symbol]	2 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]	"E" RAILROAD CONTROL CABINET
[Symbol]	[Symbol]	"E" ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"
[Symbol]	[Symbol]	"E" ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"
[Symbol]	[Symbol]	H/C GROUND ROD AT HANDHOLE, DOUBLE HANDHOLE, OR CONTROLLER
[Symbol]	[Symbol]	P GROUND ROD AT POST OR MAST ARM POLE
[Symbol]	[Symbol]	S GROUND ROD AT ELECTRIC SERVICE INSTALLATION
[Symbol]	[Symbol]	1 GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
[Symbol]	[Symbol]	24 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
[Symbol]	[Symbol]	PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER

NOTE:
 PUSHBUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4
 PUSHBUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6
 PUSHBUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8
 PUSHBUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8