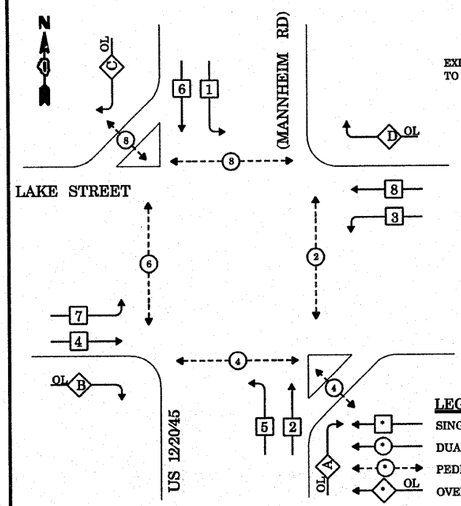
CONTROLLER SEQUENCE

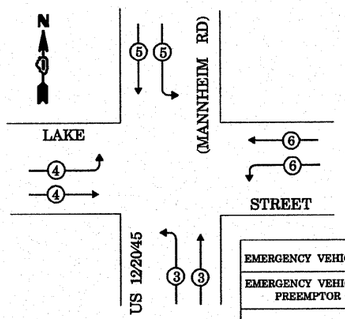


PHASE DESIGNATION DIAGRAM

RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP PHASE		PERMISIVE PHASE		PROTECTED PHASE		DISPLAY
A	=	2	+	3	-	2
B	=	4	+	5	-	4
C	=	6	+	7	-	6
D	=	8	+	1	-	8

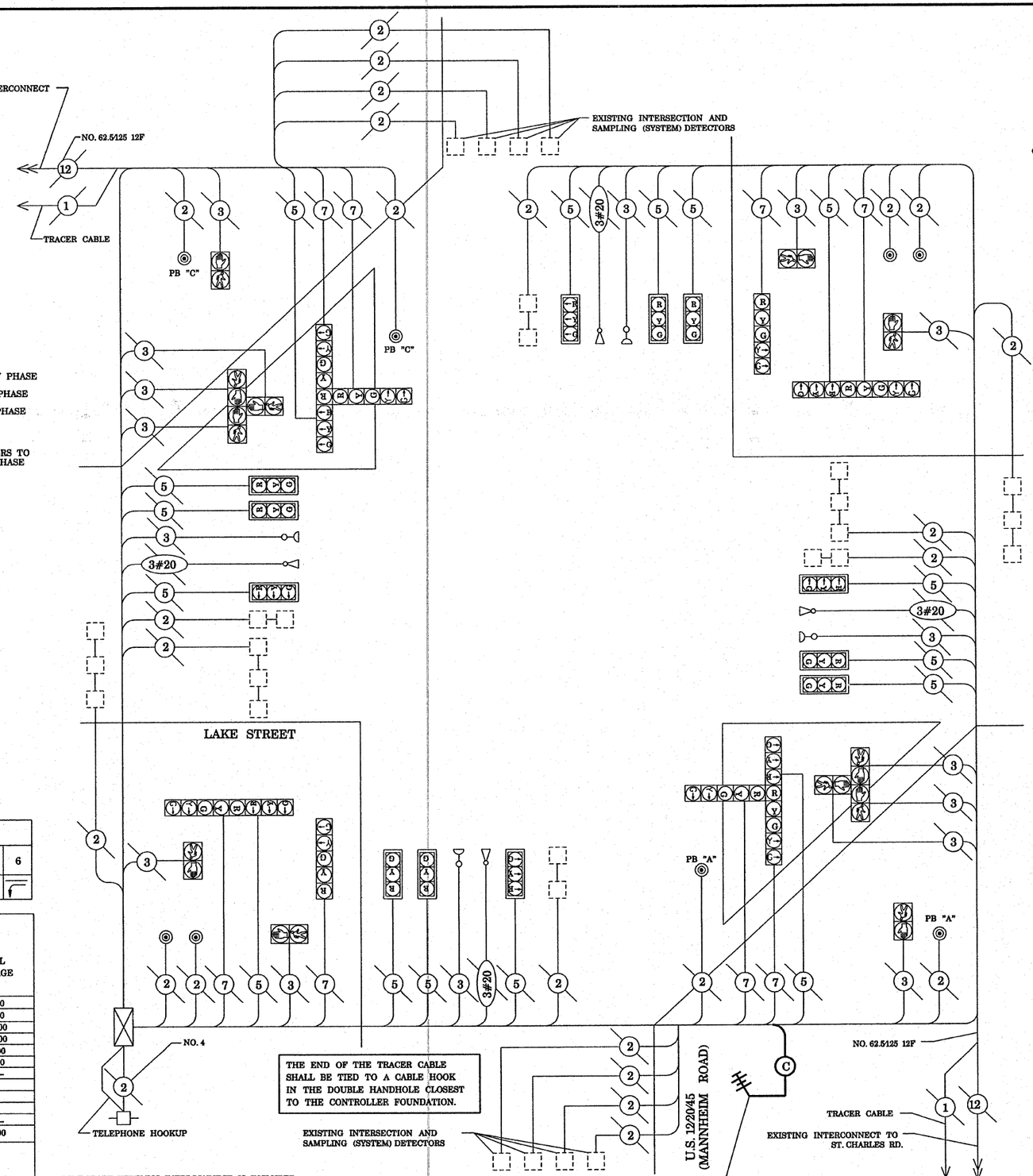
EMERGENCY VEHICLE PREEMPTION SEQUENCE



EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3	4	5	6
MOVEMENT				

TYPE	NO. LAMPS	X WATTAGE INCAND.	LED	X % 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	40		12	0.10	48.00
PED. SIGNAL	12		25	1.00	300.00
CONTROLLER	1		100	1.00	100.00
ILLUM. SIGN				0.05	-
FLASHER				0.05	-
ENERGY COSTS TO: VILLAGE OF MELROSE PARK				TOTAL =	744.00

ENERGY SUPPLY CONTACT: MR. MIKE BELL
PHONE: (708)410-5314
COMPANY: COMMONWEALTH EDISON



* TEMPORARY WIRELESS INTERCONNECT IS INCLUDED IN TEMPORARY TRAFFIC SIGNAL INSTALLATION PAY ITEM FOR HIRSCH (SOFFEL) AVENUE

CABLE PLAN

CABLE PLAN LEGEND

PROPOSED	EXISTING	
G	G	8" (200mm) TRAFFIC SIGNAL SECTION
R	R	12" (300mm) TRAFFIC SIGNAL SECTION
W	W	12" (300mm) PEDESTRIAN SIGNAL SECTION
		12"(300mm) PEDESTRIAN SIGNAL SECTION
		CONTROLLER CABINET
		SERVICE INSTALLATON
T	T	TELEPHONE CONNECTION
		MAGNETIC DETECTOR
		PUSHBUTTON DECTECTOR
		VEHICLE DETECTOR, INDUCTION LOOP
2	2	DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
R Y G Y G	R Y G Y G	SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD
"P"	"P" "E"	
		RAILROAD CONTROL CABINET
	"E"	ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"
	"E"	ILLUMINATE SIGN, FIBER OPTIC "NO RIGHT TURN"
H/C	H/C	GROUND ROD AT HANDHOLE, DOUBLE HANDHOLE, OR CONTROLLER
P	P	GROUND ROD AT POST OR MAST ARM POLE
S	S	GROUND ROD AT ELECTRIC SERVICE INSTALLATION
1	1	GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
24	24	FIBER OPTIC CABLE IN CONDUIT NO.62.5125 2-MM12F & SM12F
		MICROWAVE VEHICLE SENSOR
V	V	VIDEO DETECTOR
C	C	CLOSED CIRCUIT TV
		EMERGENCY VEHICLE LIGHT DETECTOR
		CONFIRMATION BEACON
B	B	UNINTERRUPTABLE POWER SUPPLY
		WIRELESS INTERCONNECT (ANTENNA)

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

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

FILE NAME = c:\projects\traffic\t070027\us12_20_45.dgn	USER NAME = kanthaphixaybc	DESIGNED - N.B.	REVISED -
		DRAWN - N.B.	REVISED -
	PLOT SCALE = 40.0000 ' / IN.	CHECKED - D.B.	REVISED -
	PLOT DATE = 10/10/2008	DATE - 09/04/2008	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING CABLE PLAN
US 12/20/45 (MANNHEIM ROAD) AT LAKE STREET

SCALE: NTS | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	2008-006 TS	COOK	104	50
		CONTRACT NO. 60E31		

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

...\traffic\t070027\us12_20_45.dgn 10/10/2008 2:19:54 PM User=kanthaphixaybc