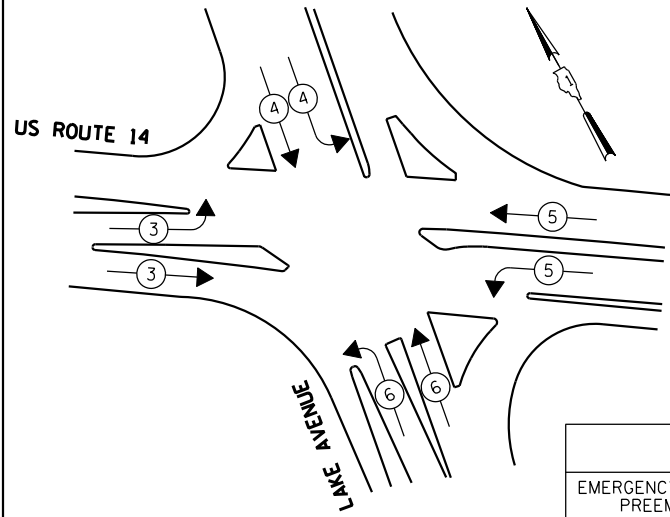


EXISTING PHASE DESIGNATION DIAGRAM

EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND

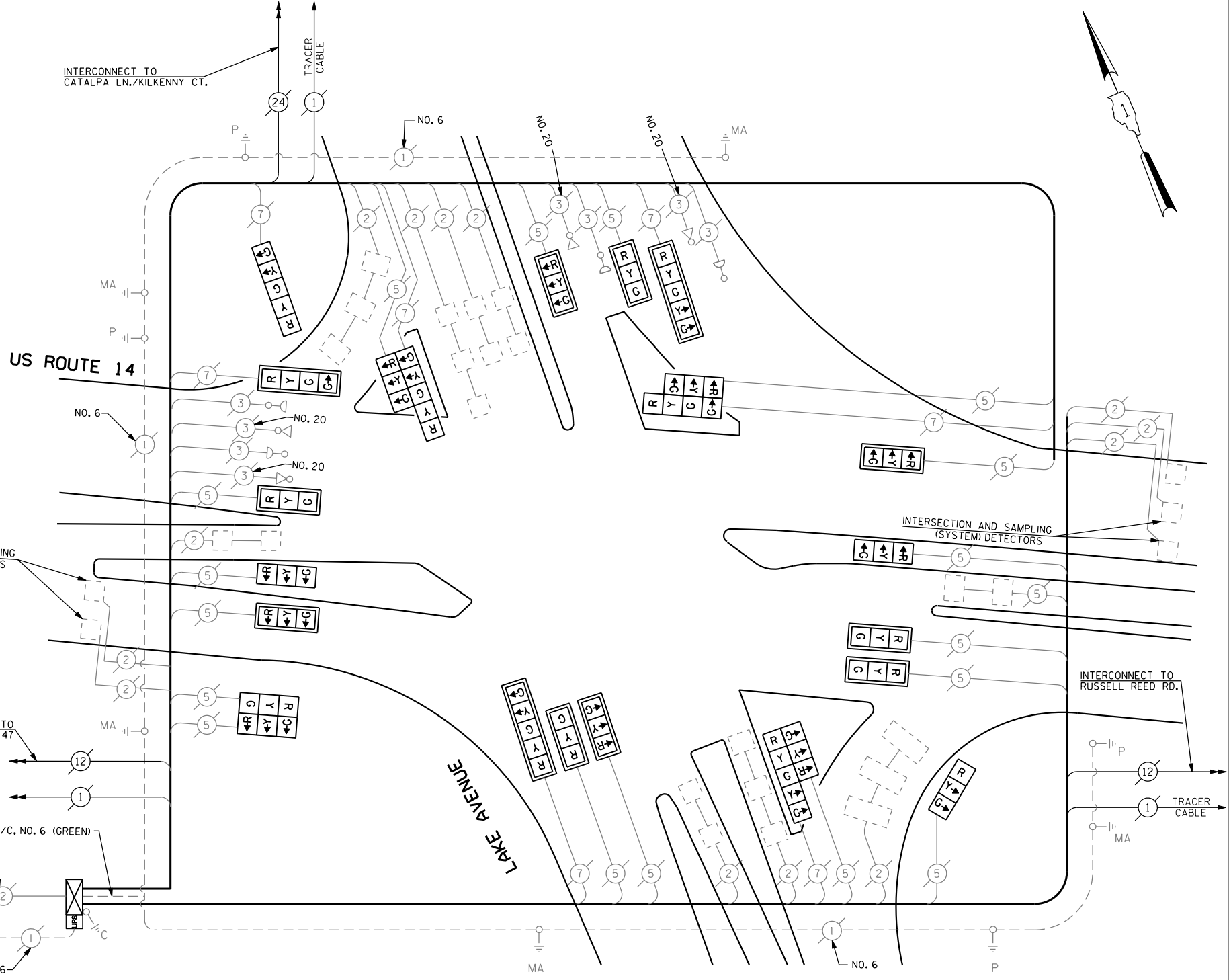
- ⊙ → DUAL ENTRY PHASE
- ⊙ → SINGLE ENTRY PHASE
- ⊙ → O.L. OVERLAP
- ⊙ → CONT. CONTINUOUS (HOT)
- ⊙ → PEDESTRIAN PHASE
- * NUMBER REFERS TO ASSOCIATED PHASE

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B	= 4	+ 5
D	= 8	+ 1

EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3	4	5	6
MOVEMENT	→	↘	←	↗

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
50	SO FT	SIGN PANEL - TYPE 1
45	SO FT	REMOVE SIGN PANEL - TYPE 1
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
9	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
3	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST-ARM MOUNTED
1	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED
1	EACH	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
1	EACH	MODIFY EXISTING CONTROLLER CABINET
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL
12	EACH	RETROREFLECTIVE TRAFFIC SIGNAL BACKPLATE



MODIFIED CABLE PLAN

(NOT TO SCALE)

ALL BACKPLATES SHALL BE RETROREFLECTIVE TRAFFIC SIGNAL BACKPLATES.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO LAMPS	WATTAGE	%OPERATION		
		INCAND.	LED		
SIGNAL (RED)	24		17	0.50	204.0
(YELLOW)	24		25	0.25	150.0
(GREEN)	26		15	0.25	97.5
ARROW	10		12	0.10	12.0
PED. SIGNAL			25	1.00	
CONTROLLER	1		100	1.00	100.0
ILLUM. SIGN			25	0.05	
FLASHER				0.50	
ENERGY COSTS TO:				TOTAL =	563.5
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096					
ENERGY SUPPLY CONTACT: LISA COOK PHONE: (815) 477-5204 COMPANY: COMMONWEALTH EDISON					

FILE NAME =	USER NAME = \$USER\$	DESIGNED - PKG	REVISED -
#FILE#		DRAWN - EA, MG	REVISED -
	PLOT SCALE = \$SCALE\$	CHECKED - PKG	REVISED -
	PLOT DATE = \$DATE\$	DATE - 06/01/2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MODIFIED CABLE PLAN, EXISTING PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES US ROUTE 14 AT LAKE AVENUE			
SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	

F.A.P. RTE. 305	SECTION 2011-020-TS	COUNTY MCHENRY	TOTAL SHEETS 20	SHEET NO. 19
CONTRACT NO. 60P15				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				