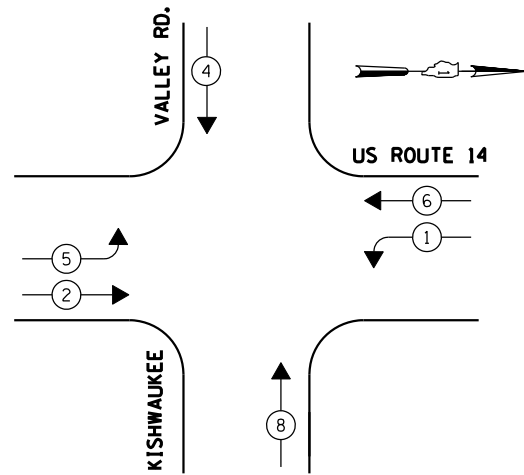
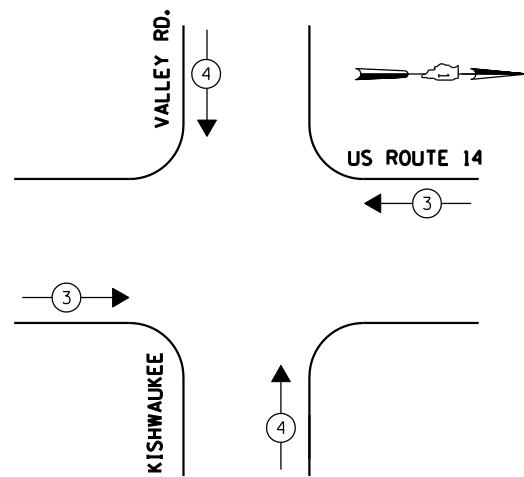


**CONTROLLER SEQUENCE**



**EXISTING PHASE DESIGNATION DIAGRAM**

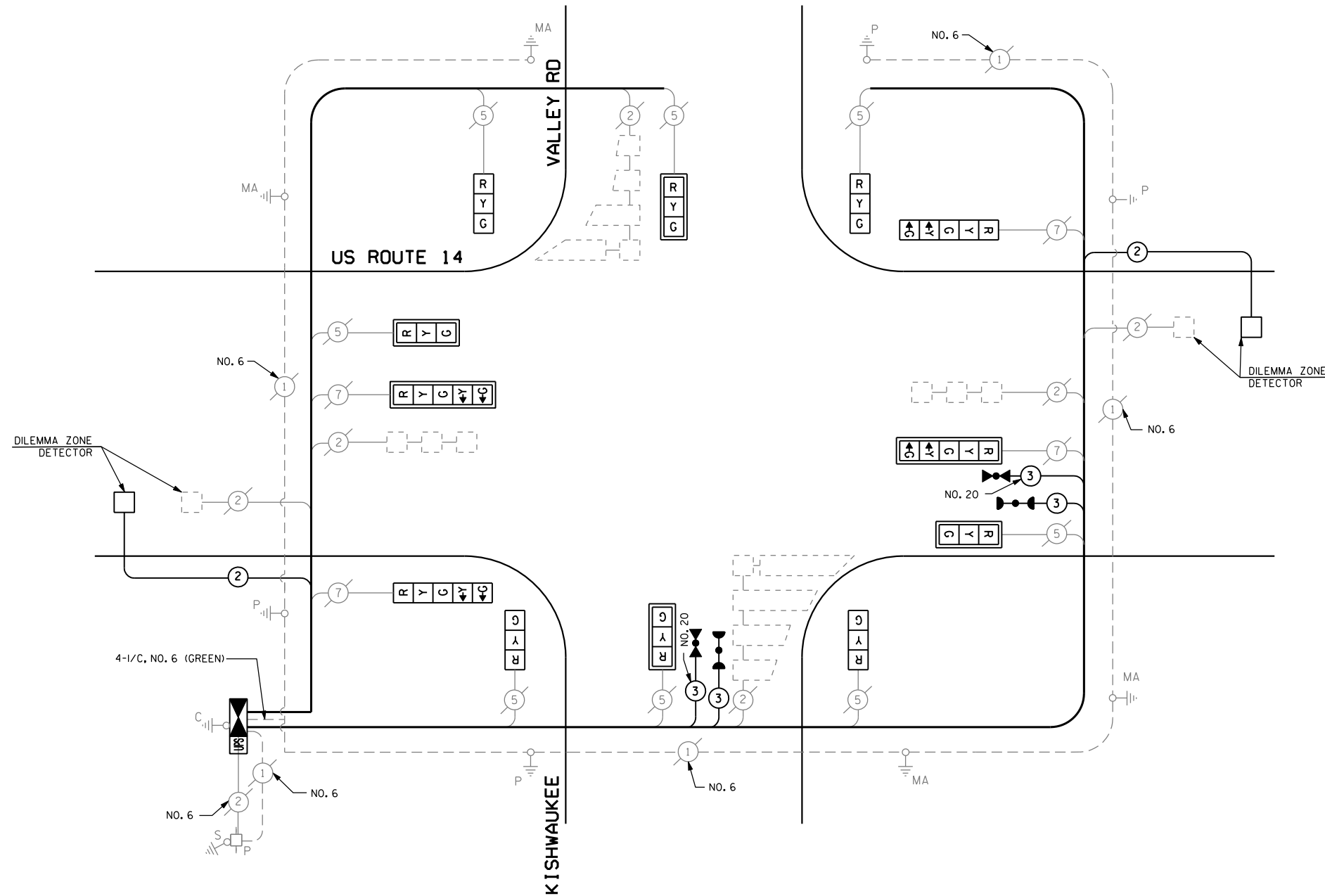
**PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	↔	↕

**LEGEND**

- ⊗ DUAL ENTRY PHASE
- ⊠ SINGLE ENTRY PHASE
- ◊ O.L. OVERLAP
- ⊙ PEDESTRIAN PHASE
- \* NUMBER REFERS TO ASSOCIATED PHASE



**MODIFIED CABLE PLAN**

(NOT TO SCALE)

ALL BACKPLATES SHALL BE RETROREFLECTIVE TRAFFIC SIGNAL BACKPLATES.

QUANTITY	UNIT	ITEM
12	SO FT	SIDEWALK REMOVAL
406	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.
2	EACH	HEAVY-DUTY HANDHOLE
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET
• 386	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
1253	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
2	EACH	DRILL EXISTING HANDHOLE
4	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
4	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED
8	EACH	INDUCTIVE LOOP DETECTOR
54	EACH	DETECTOR LOOP, TYPE I
• 2	EACH	LIGHT DETECTOR
• 1	EACH	LIGHT DETECTOR AMPLIFIER
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL
• 386	FOOT	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED
6	EACH	RETROREFLECTIVE TRAFFIC SIGNAL BACKPLATE

\* 100% COST TO CITY OF WOODSTOCK

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO LAMPS	WATTAGE		%OPERATION	
SIGNAL (RED)	12	INCAND.	17	0.50	102
		LED	25	0.25	75
		(GREEN)	15	0.25	45
ARROW	8		12	0.10	9.6
PED. SIGNAL			25	1.00	
CONTROLLER	1		100	1.00	100
ILLUM. SIGN			25	0.05	
FLASHER				0.50	
ENERGY COSTS TO:					TOTAL = 331.6
CITY OF WOODSTOCK 811 REGINA COURT WOODSTOCK, IL 60098					
ENERGY SUPPLY CONTACT: LISA COOK PHONE: (815) 477-5204 COMPANY: COMMONWEALTH EDISON					

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

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>MODIFIED CABLE PLAN, EXISTING PHASE DESIGNATION DIAGRAM, PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES US ROUTE 14 AT KISHWAUKEE VALLEY ROAD</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE. 305	SECTION 2011-020-TS	COUNTY MCHENRY	TOTAL SHEETS 20	SHEET NO. 12
CONTRACT NO. 60P15				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				