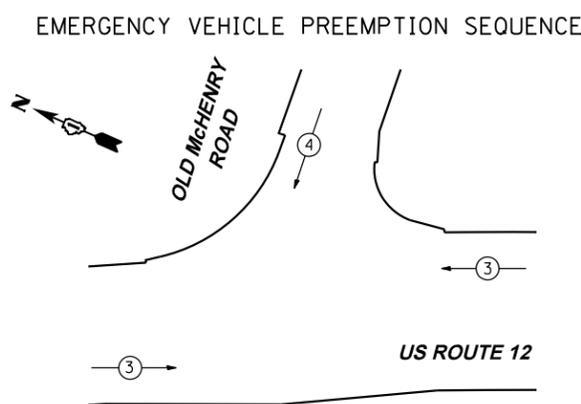


CONTROLLER SEQUENCE



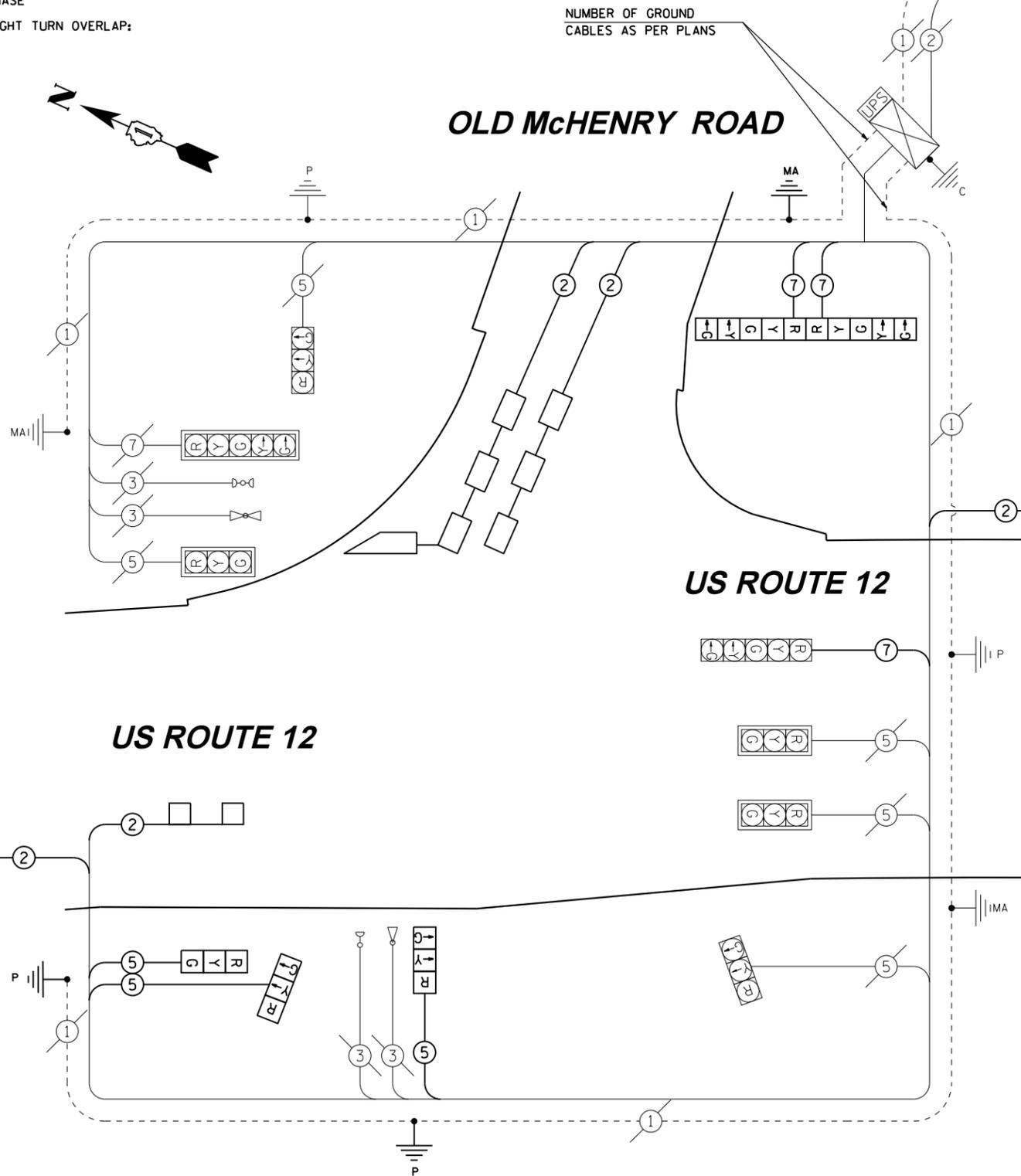
PROPOSED EMERGENCY VEHICLE PREEMPTORS

EMERGENCY VEHICLE PREEMPTORS	3	4
MOVEMENT	← →	↓

PHASE DESIGNATION DIAGRAM LEGEND

⊙	DUAL ENTRY PHASE
⊠	SINGLE ENTRY PHASE
⊙	PEDESTRIAN PHASE
*	NUMBER REFERS TO ASSOCIATED PHASE
OL	RIGHT TURN OVERLAP:

OVERLAP LETTER	=	PERMISSIVE PHASE	+	PROTECTED PHASE
A	=	2	+	8
D	=	8	+	1



CABLE PLAN

RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

SCHEDULE OF QUANTITIES

ITEM	UNIT	TOTAL
SIGN PANEL - TYPE 1	SQ FT	7.50
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	98
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	230
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	48
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	113
HEAVY-DUTY HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	695
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	163
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	539
TRAFFIC SIGNAL POST, 14 FT.	EACH	1
TRAFFIC SIGNAL POST, 18 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	12
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10
DRILL EXISTING HANDHOLE	EACH	1
DRILL EXISTING HEAVY DUTY HANDHOLE	EACH	2
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	5
DETECTOR LOOP, TYPE I	FOOT	531
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	2
REMOVE EXISTING CONCRETE FOUNDATION	EACH	4
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	WATTAGE INCAND.	LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12		17	0.50	102.0
(YELLOW)	8		25	0.25	50.0
(GREEN)	8		15	0.25	30.0
ARROW	16		12	0.10	19.2
PED. SIGNAL	0		25	1.00	-
CONTROLLER	1	100		1.00	100.0
ILLUM. SIGN	0		25	0.05	-
FLASHER			25	0.50	
ENERGY COST TO: Illinois Department of Transportation & Lake County					TOTAL= 301.2

ILLINOIS DEPARTMENT OF TRANSPORTATION & LAKE COUNTY

ENERGY SUPPLY CONTACT: DAVID GARDNER (630) 691-4393 COMMONWEALTH EDISON

FILE NAME =	USER NAME = *USER*	DESIGNED - BA	REVISED -
		DRAWN - BA	REVISED -
MODELNAME	PLOT SCALE = *SCALE*	CHECKED - WK	REVISED -
	PLOT DATE = *DATE*	DATE - 3/27/13	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE

SCALE: N.T.S. SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	TR-TS	LAKE	58	36
CONTRACT NO. 60T88				
ILLINOIS FED. AID PROJECT				