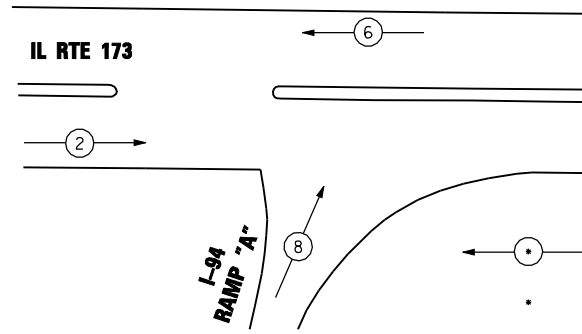


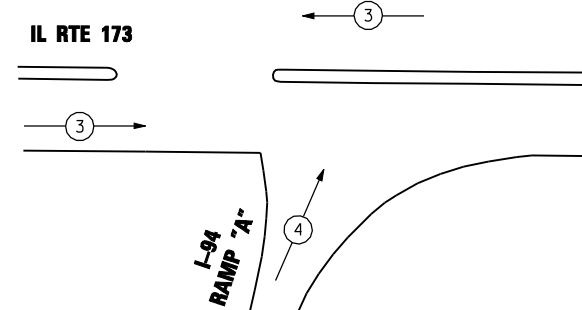
CONTROLLER SEQUENCE



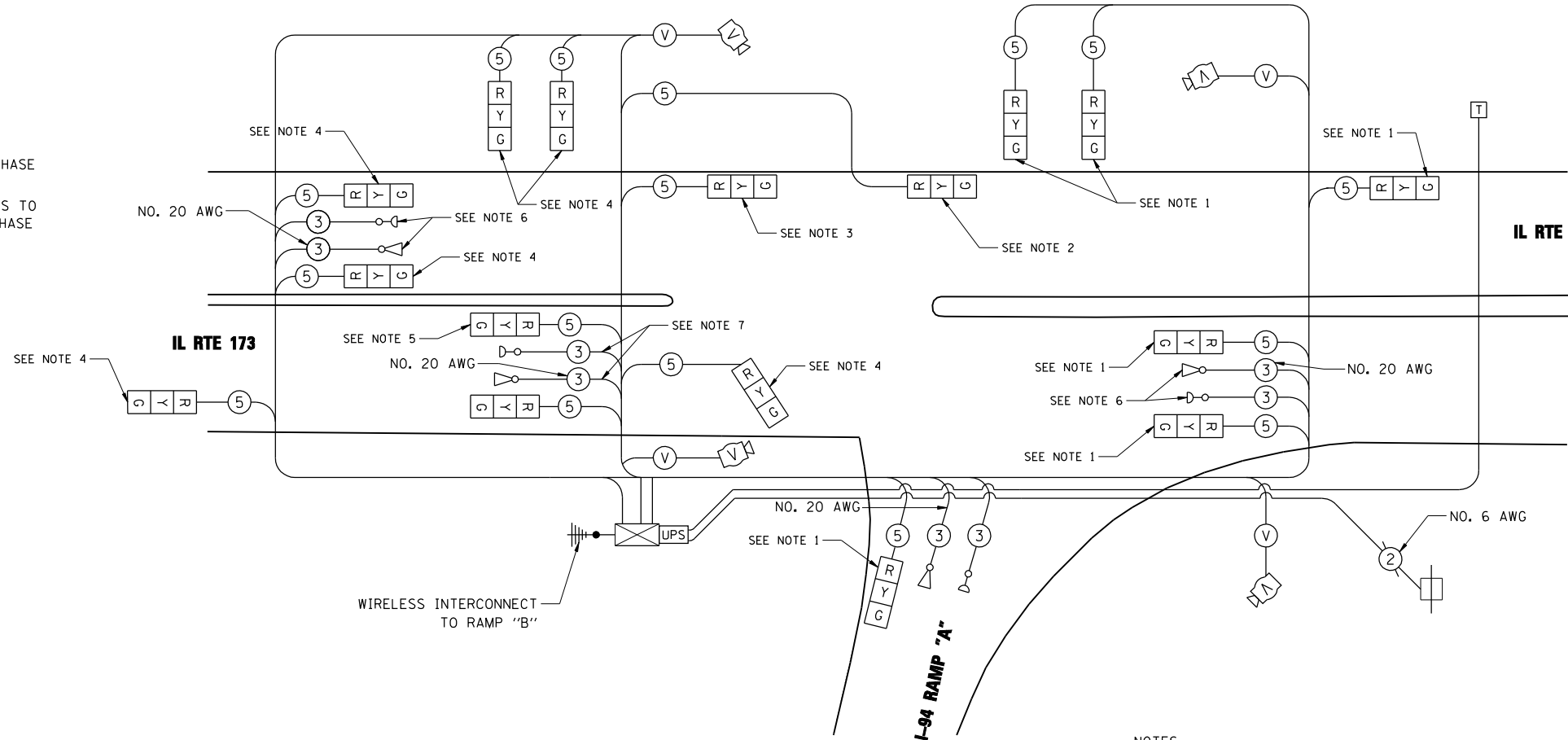
LEGEND  
 DUAL ENTRY PHASE  
 NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM

EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←	↑



CABLE PLAN

CABLE PLAN

NOTES:

- SIGNAL HEAD SHALL BE BAGGED AND DE-ENERGIZED DURING STAGES 1A AND 1C. SIGNAL HEAD SHALL BE ACTIVATED DURING STAGES 1B AND 2A.
- SIGNAL HEAD SHALL BE INSTALLED AND ACTIVATED FOR STAGE 1C ONLY. SIGNAL HEAD SHALL BE REMOVED UPON COMPLETION OF STAGE 1C.
- SIGNAL HEAD SHALL BE BAGGED AND DE-ENERGIZED DURING STAGE 1C. SIGNAL HEAD SHALL BE ACTIVATED DURING STAGES 1A, 1B AND 2A.
- SIGNAL HEAD SHALL BE BAGGED AND DE-ENERGIZED DURING STAGES 1B AND 2A. SIGNAL HEAD SHALL BE ACTIVATED DURING STAGES 1A AND 1C.
- SIGNAL HEAD SHALL BE ROTATED TO FACE EASTBOUND TRAFFIC DURING STAGES 1A AND 1C. SIGNAL HEAD SHALL BE ROTATED TO FACE WESTBOUND TRAFFIC DURING STAGES 1B AND 2A.
- EMERGENCY VEHICLE PREEMPTION EQUIPMENT RELOCATED BETWEEN STAGES 1A, 1B, 1C, AND 2A.
- EMERGENCY VEHICLE PREEMPTION DETECTOR AND CONFIRMATION BEACON SHALL BE ROTATED TO FACE EASTBOUND TRAFFIC DURING STAGES 1A AND 1C. EMERGENCY VEHICLE PREEMPTION DETECTOR AND CONFIRMATION BEACON SHALL BE ROTATED TO FACE WESTBOUND TRAFFIC DURING STAGES 1B AND 2A.
- THE EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR THIS INTERSECTION SHALL BE "OPTICOM" TO MATCH THE TOWNSHIP SYSTEM.

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.

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

TYPE	NO. OF LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	9	135	17	0.50	76.5
(YELLOW)	9	135	25	0.25	56.25
(GREEN)	9	135	15	0.25	33.75
ARROW	-	135	12	0.10	-
PED. SIGNAL	-	90	25	1.00	-
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN			25	0.50	

ENERGY COSTS TO: TOTAL = 266.5

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS/DISTRICT 1  
 201 WEST CENTER COURT/SCHAUMBURG, IL 60196

ENERGY SUPPLY: CONTACT: DOROTHY PROSEN  
 PHONE: (847) 816-5323  
 COMPANY: COM ED

**EJM ENGINEERING, INC.**  
 411 South Wells Street Suite 1000  
 Chicago, Illinois 60607

FILE NAME =	USER NAME = gra1	DESIGNED - GR	REVISED -
		DRAWN - GR	REVISED -
	PLOT SCALE = none	CHECKED - BKS	REVISED -
	PLOT DATE = 6/18/2012	DATE - 06/19/2012	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM,  
 AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE  
 IL RTE 173 AT I-94 RAMP "A"

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	49-1-R-1	LAKE	677	349
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60L77	

TS-18