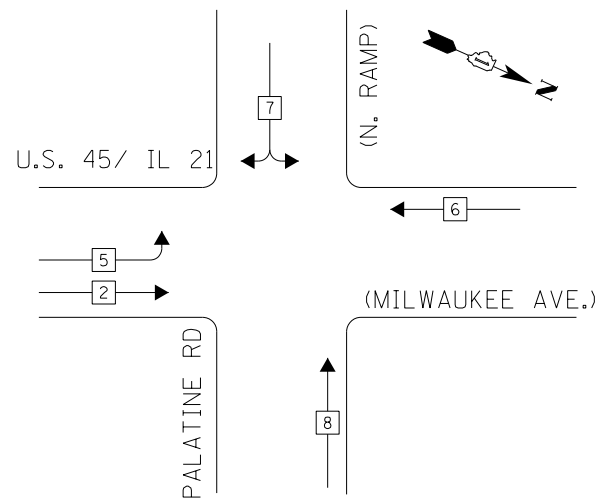
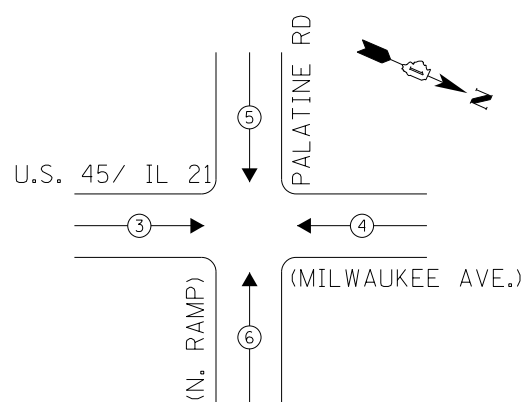




EXISTING CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

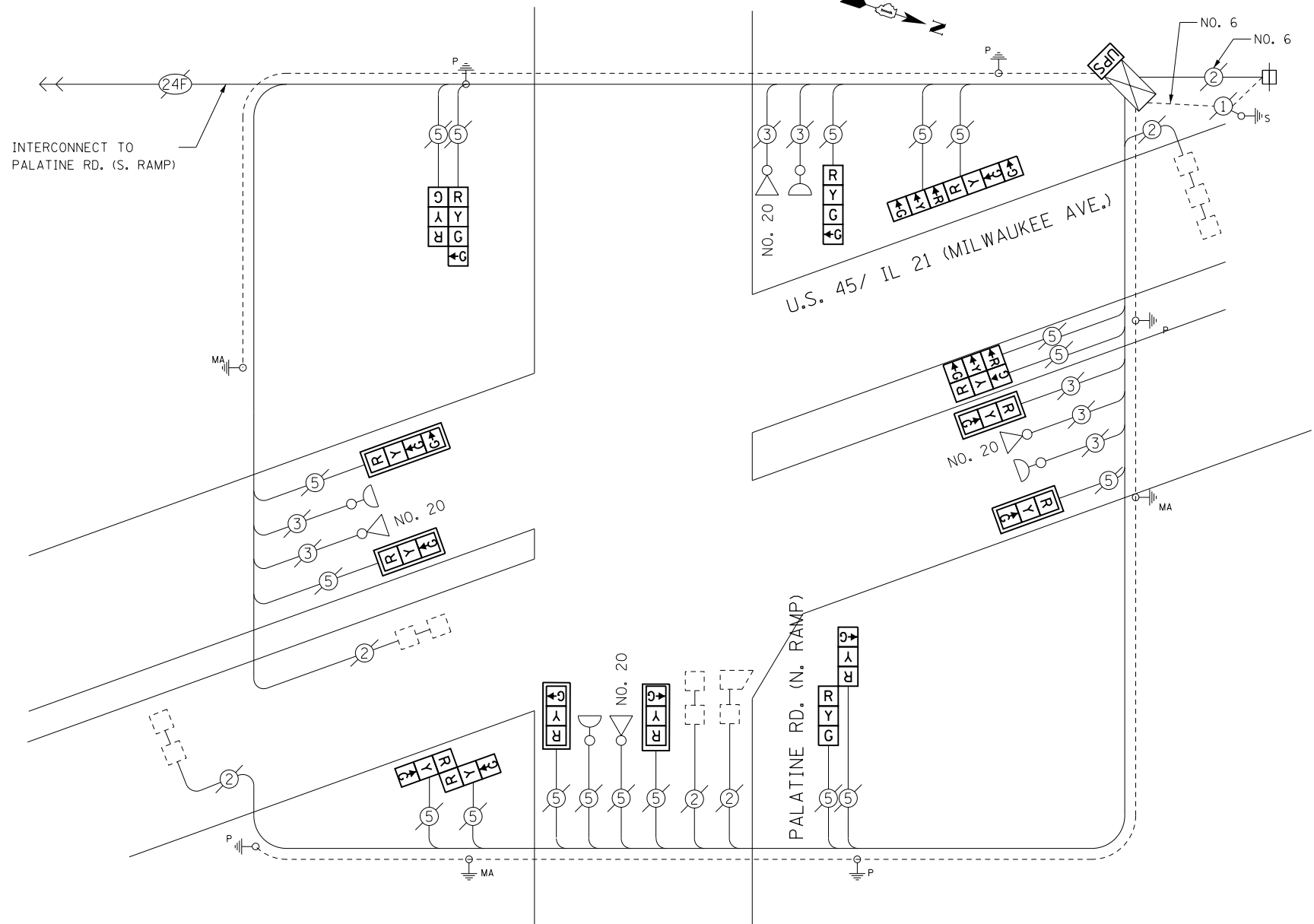
EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3	4	5	6
	→	←	↓	↑

- LEGEND
- ◉ DUAL ENTRY PHASE
 - ◊ OVERLAP
 - ◉ PEDESTRIAN PHASE
 - NUMBER REFERS TO ASSOCIATED PHASE
 - ◉ SINGLE ENTRY PHASE

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

RETROFIT ALL EXISTING SIGNAL HEADS TO L.E.D.

THE CONTRACTOR SHALL REPLACE TRAFFIC SIGNAL BACKPLATES AS DIRECTED BY THE ENGINEER FOR MAST ARM MOUNTED TRAFFIC SIGNALS TO BE RETROFIT WITH LED.



CABLE PLAN

SCHEDULE OF QUANTITIES

ITEMS	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	6
MODIFY EXISTING CONTROLLER CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED, RETROFIT	EACH	2
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT	EACH	5
SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT	EACH	3
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED, RETROFIT	EACH	1
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED, RETROFIT	EACH	1

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

TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	%OPERATION	TOTAL WATTAGE
SIGNAL (RED)	17	-	17	0.50	144.5
(YELLOW)	17	-	25	0.25	106.25
(GREEN)	19	-	15	0.25	71.25
ARROW	-	-	12	0.10	-
PED. SIGNAL	-	-	25	1.00	-
CONTROLLER	1	100	-	1.00	100.0
ILLUM. SIGN	-	-	25	0.50	-
VIDEO SYSTEM	-	-	-	1.00	-
BATTERY BACKUP	1	25	-	1.00	25.0
LUMINAIRE	-	-	-	0.50	-
FLASHER	-	-	25	0.50	-
TOTAL =					447.0

ENERGY COSTS- BILLED TO: IDOT DISTRICT 1
 201 WEST CENTER COURT
 SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY- CONTACT DAVE SCHACHT
 PHONE 630-437-2129
 COMMONWEALTH EDISON

TS 1740
 PROSPECT HEIGHTS

FILE NAME = D160X82-sht-TS1740.dgn	USER NAME = SJohnson	DESIGNED - PHL	REVISED -
Default	PLOT SCALE = 48.0000' / in.	DRAWN - PHL	REVISED -
	PLOT DATE = 3/21/2014	CHECKED - BKS	REVISED -
		DATE - 03/09/2014	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

U.S. 45/IL 21. (MILWAUKEE AVE) & PALATINE RD (N. RAMP) - CABLE PLAN
 SCHEDULE OF QUANTITIES, PHASE DESIG. DIAGRAM & EVP SEQUENCE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2014-007TS	COOK	88	88
CONTRACT NO. 60X82				
ILLINOIS FED. AID PROJECT				