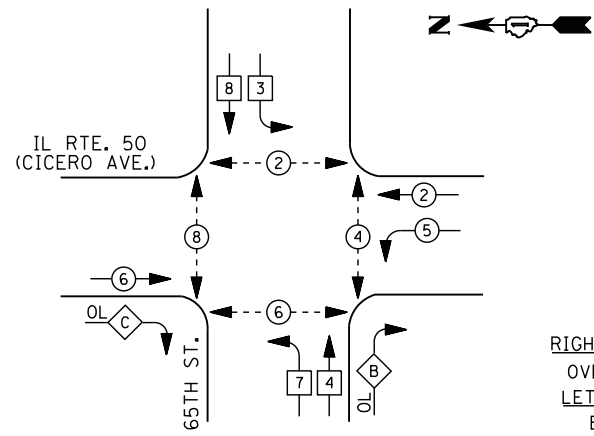




### CONTROLLER SEQUENCE



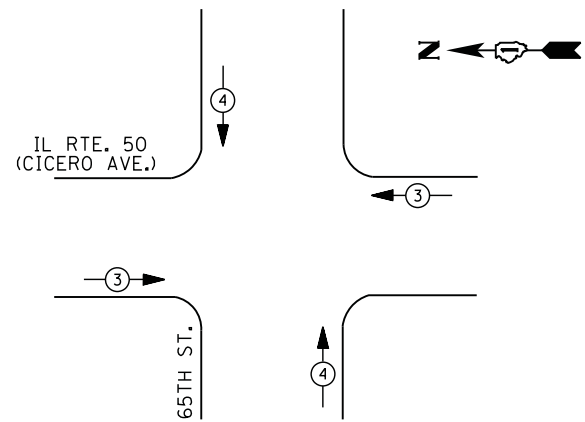
### LEGEND

- DUAL ENTRY PHASE
- PEDESTRIAN PHASE
- SINGLE ENTRY PHASE
- OVERLAP
- NUMBER REFERS TO ASSOCIATED PHASE

### RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B	= 4	+ 5
C	= 6	+ 7

### PHASE DESIGNATION DIAGRAM



### EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT		

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

TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	17	135	17	0.50	145
(YELLOW)	17	135	25	0.25	107
(GREEN)	17	135	15	0.25	64
ARROW	12	135	12	0.10	15
PED. SIGNAL	8	90	25	1.00	200
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		252	25	0.05	
VIDEO SYSTEM		150	-	1.00	
FLASHER LED					
TOTAL =					631

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

ENERGY SUPPLY - CONTACT DONALD RIES  
PHONE 773-838-2905  
COMMONWEALTH EDISON

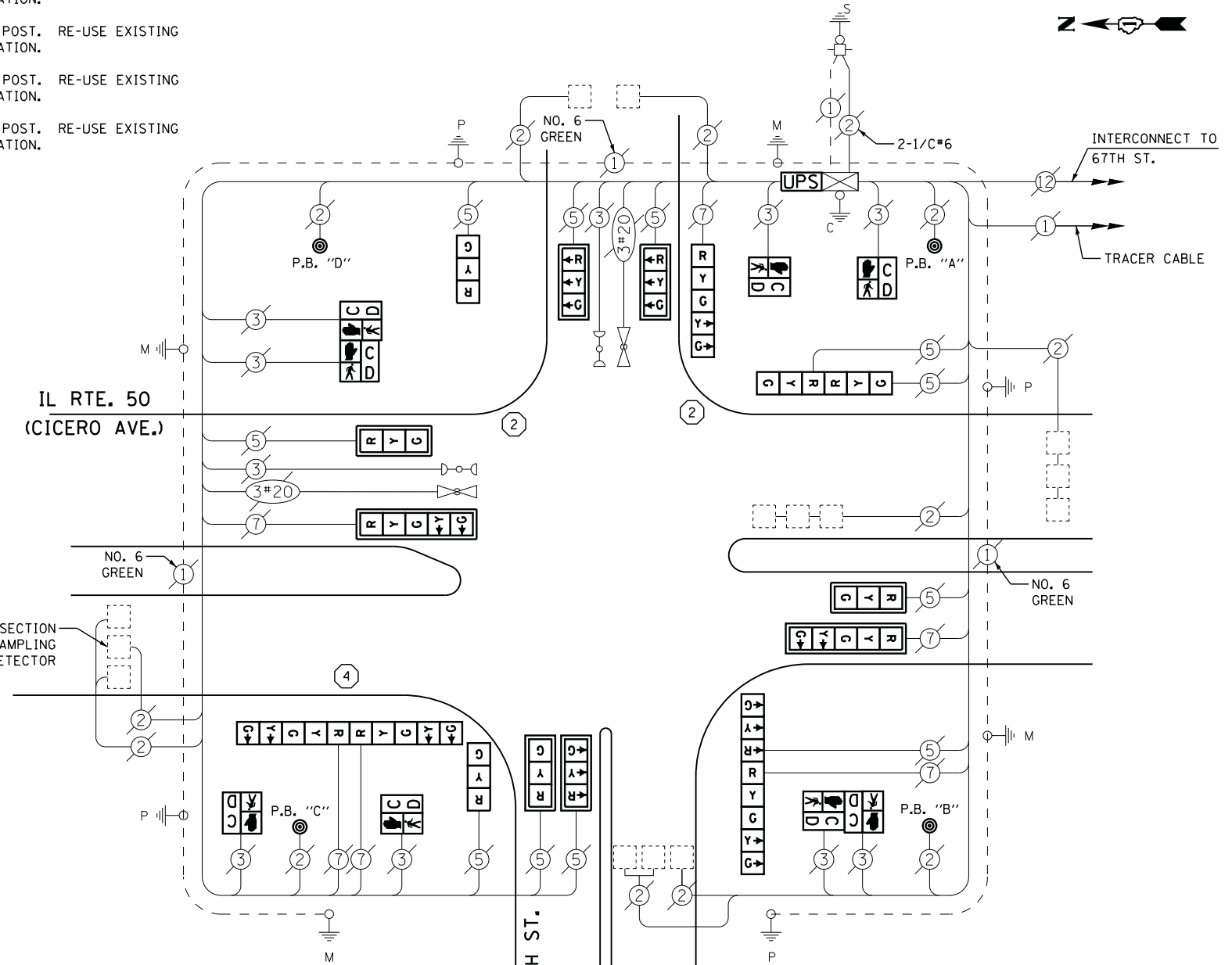
- 1 REPLACE 10 FT. PAINTED POST. RE-USE EXISTING  
TYPE A CONCRETE FOUNDATION.
- 2 REPLACE 14 FT. PAINTED POST. RE-USE EXISTING  
TYPE A CONCRETE FOUNDATION.
- 3 REPLACE 15 FT. PAINTED POST. RE-USE EXISTING  
TYPE A CONCRETE FOUNDATION.
- 4 REPLACE 16 FT. PAINTED POST. RE-USE EXISTING  
TYPE A CONCRETE FOUNDATION.
- 5 REPLACE 18 FT. PAINTED POST. RE-USE EXISTING  
TYPE A CONCRETE FOUNDATION.

IL RTE. 50 (CICERO AVE.)

EXISTING INTERSECTION AND SAMPLING (SYSTEM) DETECTOR

65TH ST.

### CABLE PLAN



- NOTES:
- PUSH BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4
  - PUSH BUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6
  - PUSH BUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8
  - PUSH BUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8

### SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
6	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
2	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET 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, 5-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
4	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
2	EACH	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
8	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
1	EACH	MODIFY EXISTING CONTROLLER CABINET
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
2	EACH	REMOVE AND REPLACE ANCHOR BOLTS
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
4	EACH	PEDESTRIAN PUSH-BUTTON, NON-LATCHING

### REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

8	EACH	SIGNAL HEAD, 3 - SECTION
3	EACH	SIGNAL HEAD, 5 - SECTION
1	EACH	SIGNAL HEAD, 2 - FACE, 1-3 SECTION, 1-5 SECTION
1	EACH	SIGNAL HEAD, 2 - FACE, 3 SECTION
1	EACH	SIGNAL HEAD, 2 - FACE, 5 SECTION
8	EACH	TRAFFIC SIGNAL BACKPLATE
8	EACH	PEDESTRIAN SIGNAL HEAD
4	EACH	PEDESTRIAN PUSH-BUTTON
3	EACH	SIGNAL POST

TS #2455  
CHICAGO

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL ROUTE 50 (CICERO AVENUE) AT 65TH STREET  
SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM  
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2014-043TS	COOK	61	35
CONTRACT NO. 60Y41				

SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.