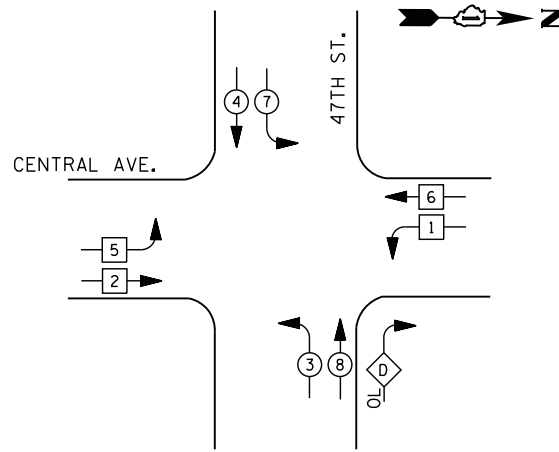




**CONTROLLER SEQUENCE**

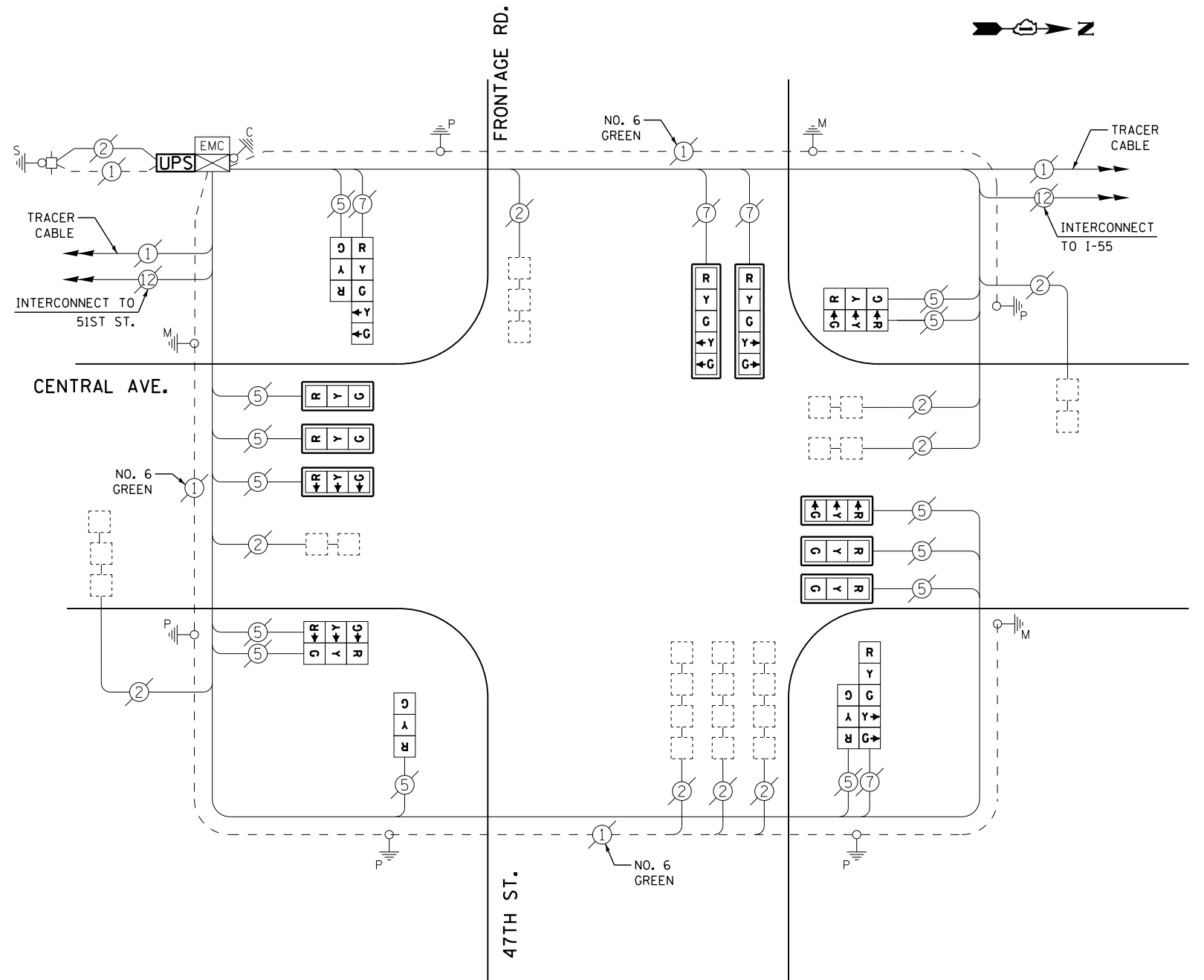


**PHASE DESIGNATION DIAGRAM**

- 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
D	= 8	+ 1



**CABLE PLAN**

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

**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 TRAFFIC SIGNAL BACKPLATE

**SCHEDULE OF QUANTITIES**

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

**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	8	135	12	0.10	10
PED. SIGNAL	0	90	25	1.00	0
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		252	25	0.05	
VIDEO SYSTEM		150	-	1.00	
TOTAL =					426

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

ENERGY SUPPLY - **CONTACT JOE STACHO**  
 PHONE 630-424-5704  
 COMMONWEALTH EDISON

FILE NAME = M:\p\03\1481\2103 PTB 168-011 SINGH IDOT VAR-VAR\WD14-001 Central\_Cook Co. LED\4\_Design\CAD\Sheet\_Files\3805\_CAB\_CDOK.dgn

USER NAME = .USERNAME.	DESIGNED - DW	REVISED -
	DRAWN - CC	REVISED -
PLOT SCALE = 20.000' / in.	CHECKED - KMM	REVISED -
PLOT DATE = 5/13/2014	DATE -	REVISED -

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**CENTRAL AVENUE AND 47TH STREET SCHEDULE OF QUANTITIES, CABLE PLAN, AND PHASE DESIGNATION DIAGRAM**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2014-019TS	COOK	90	47
CONTRACT NO. 60Y05				
ILLINOIS				

TS #3805 FOREST VIEW