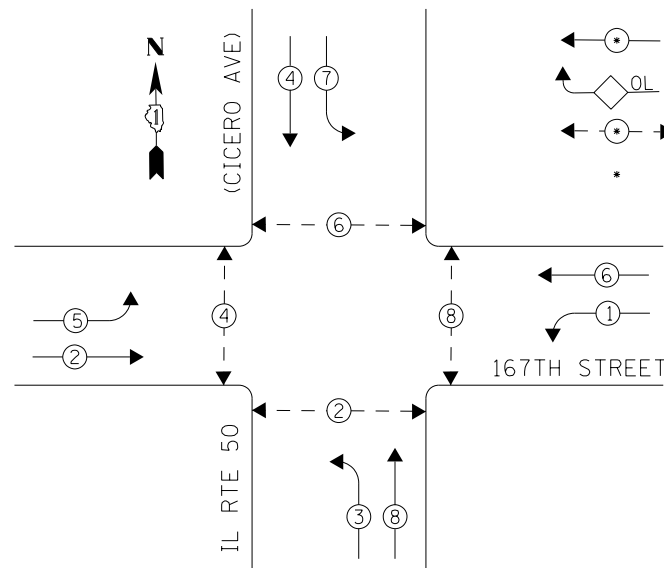
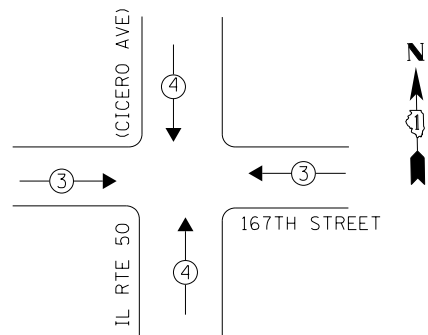


EXISTING CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↓ ↑

LEGEND

- ← ⊙ → DUAL ENTRY PHASE
- ◊ OL OVERLAP
- ← ⊙ → PEDESTRIAN PHASE
- \* NUMBER REFERS TO ASSOCIATED PHASE

- REC RED LIGHT ENFORCEMENT CABINET
- ⊙ RED LIGHT ENFORCEMENT DETECTION UNIT
- F RED LIGHT ENFORCEMENT FLASH UNIT
- 📷 RED LIGHT ENFORCEMENT CAMERA

CONSTRUCTION NOTES

- 1 THE CONTRACTOR SHALL REPLACE THE EXISTING TRAFFIC SIGNAL POST WITH THE PROPOSED TRAFFIC SIGNAL POST, 14 FT. AND ATTACH THE PROPOSED POST TO THE EXISTING FOUNDATION.
- 3 THE CONTRACTOR SHALL REPLACE THE EXISTING TRAFFIC SIGNAL POST WITH THE PROPOSED TRAFFIC SIGNAL POST, 16 FT. AND ATTACH THE PROPOSED POST TO THE EXISTING FOUNDATION.

NOTES

- 1) ALL COSTS RELATED TO ATTACHING THE POSTS TO THE EXISTING FOUNDATION SHALL BE INCLUDED IN THE UNIT COST OF TRAFFIC SIGNAL POST OF THE SIZE SPECIFIED
- 2) PRIOR TO REMOVING ANY TRAFFIC SIGNAL POST SPECIFIED TO BE REPLACED IN THE SAME LOCATION THE CONTRACTOR SHALL VERIFY THAT THE PATTERN, SPACING, AND CONDITION OF THE EXISTING BOLTS ARE SUITABLE FOR RE-USE WITH A NEW POST. IF THE BOLTS ARE NOT USABLE, REPLACE AS DIRECTED BY THE ENGINEER.
- 3) THE CONTRACTOR SHALL RELOCATE EXISTING SIGN PANELS FROM POSTS THAT ARE INDICATED FOR REPLACEMENT TO THE NEW POSTS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THE COST OF REMOVAL, RELOCATION AND ANY NEW MOUNTING HARDWARE NECESSARY TO COMPLETE THIS WORK SHALL BE INCLUDED IN THE UNIT COST OF TRAFFIC SIGNAL POST OF THE SIZE SPECIFIED.

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

CONTRACTOR SHALL REPLACE BROKEN MOUNTING BRACKETS AT ALL RETROFIT SIGNAL HEADS OR AS DIRECTED BY THE ENGINEER. THE COST OF THIS WORK SHALL BE INCLUDED IN THE CORRESPONDING SIGNAL HEAD, LED, RETROFIT PAY ITEM OF THE TYPE AND NUMBER OF SIGNAL HEADS, FACES, AND SECTIONS AS SPECIFIED IN THE PLANS.

SCHEDULE OF QUANTITIES

Items	Unit	Quantity
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED, RETROFIT	EACH	2
SIGNAL HEAD, LED, 3-FACE, 2-3 SECTION, 1-5 SECTION, BRACKET MOUNTED, RETROFIT	EACH	2
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED, RETROFIT	EACH	4

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

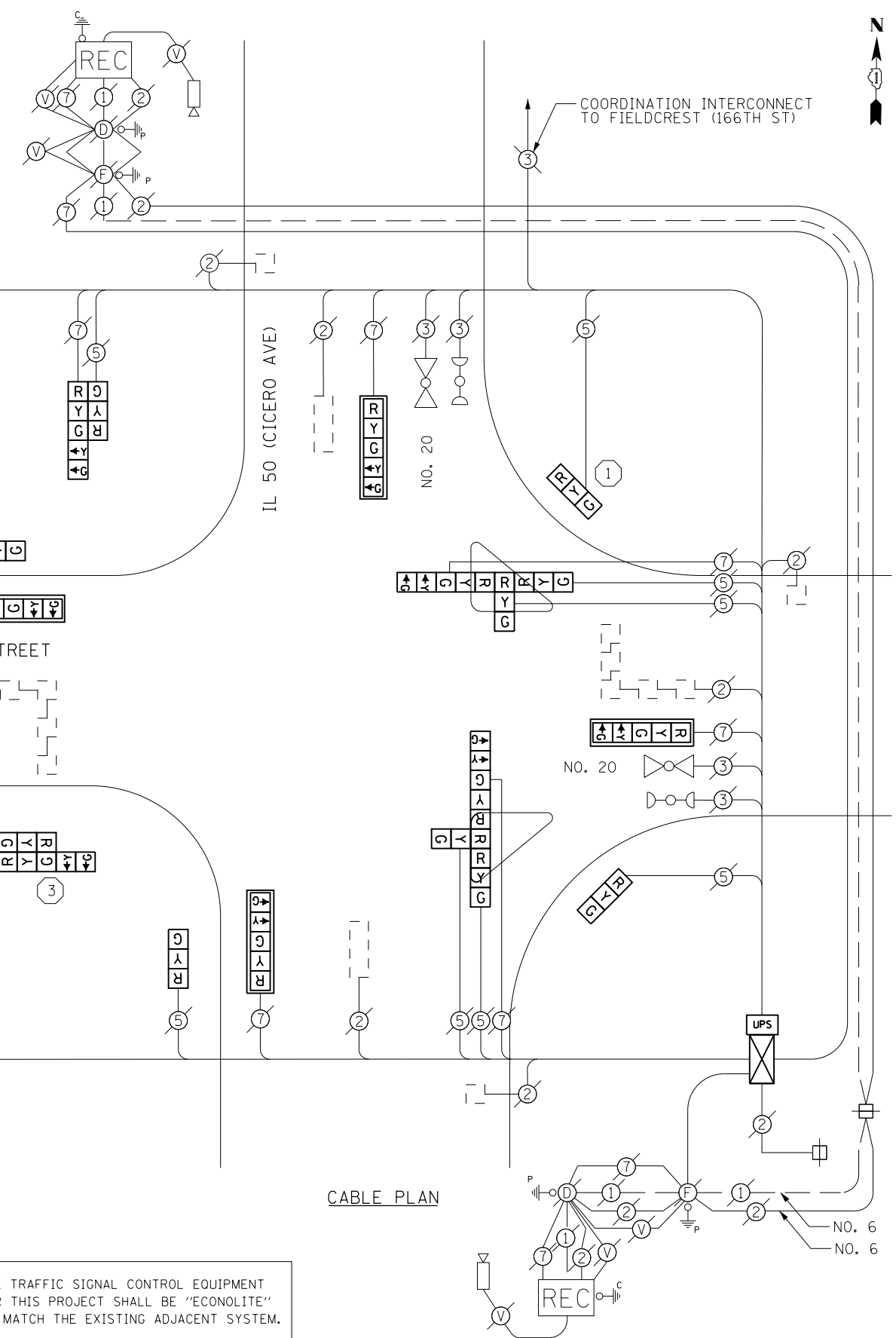
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	%OPERATION	TOTAL WATTAGE
SIGNAL (RED)	18	-	17	0.50	153.0
(YELLOW)	18	-	25	0.25	112.5
(GREEN)	18	-	15	0.25	67.5
ARROW	16	-	12	0.10	19.2
PED. SIGNAL	-	-	25	1.00	-
CONTROLLER	1	-	100	1.00	100.0
ILLUM. SIGN	-	-	25	0.05	-
VIDEO SYSTEM	-	150	-	1.00	-
BATTERY BACKUP	1	25	-	1.00	25.0
LUMINAIRE	-	250	-	0.50	-
FLASHER	-	-	25	0.50	-
<b>TOTAL =</b>				<b>477.2</b>	

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

ENERGY SUPPLY- **CONTACT BRAD SHINABARGAR**  
**PHONE 708-325-2692**  
**COMMONWEALTH EDISON**

FILE NAME = D160X65-sh1-TS2580.dgn	USER NAME = SE3	DESIGNED - PHL	REVISED -
Default	PLOT SCALE = 48.0000' / in.	DRAWN - PHL	REVISED -
	PLOT DATE = 2/4/2014	CHECKED - BKS	REVISED -
		DATE - \$SUBDATE	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



CABLE PLAN

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

TS 2580  
OAK FOREST

<p>IL 50 (CICERO AVE)/167TH STREET - CABLE PLAN</p> <p>SCHEDULE OF QUANTITIES, PHASE DESIG. DIAGRAM &amp; EVP SEQUENCE</p>		<p>F.A. RTE.</p> <p>SECTION</p> <p>COUNTY</p> <p>TOTAL SHEETS</p> <p>SHEET NO.</p>
<p>SCALE:</p> <p>SHEET OF SHEETS</p> <p>STA. TO STA.</p>	<p>STATE OF ILLINOIS</p> <p>DEPARTMENT OF TRANSPORTATION</p>	<p>2013-076TS</p> <p>COOK</p> <p>65</p> <p>16</p> <p>CONTRACT NO. 60X65</p> <p>ILLINOIS FED. AID PROJECT</p>