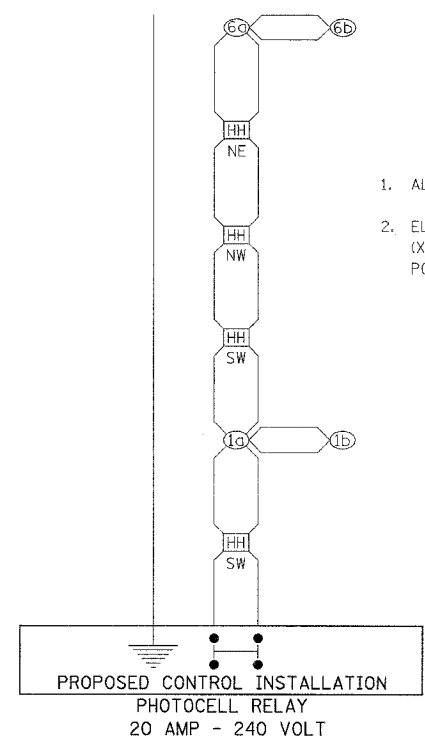
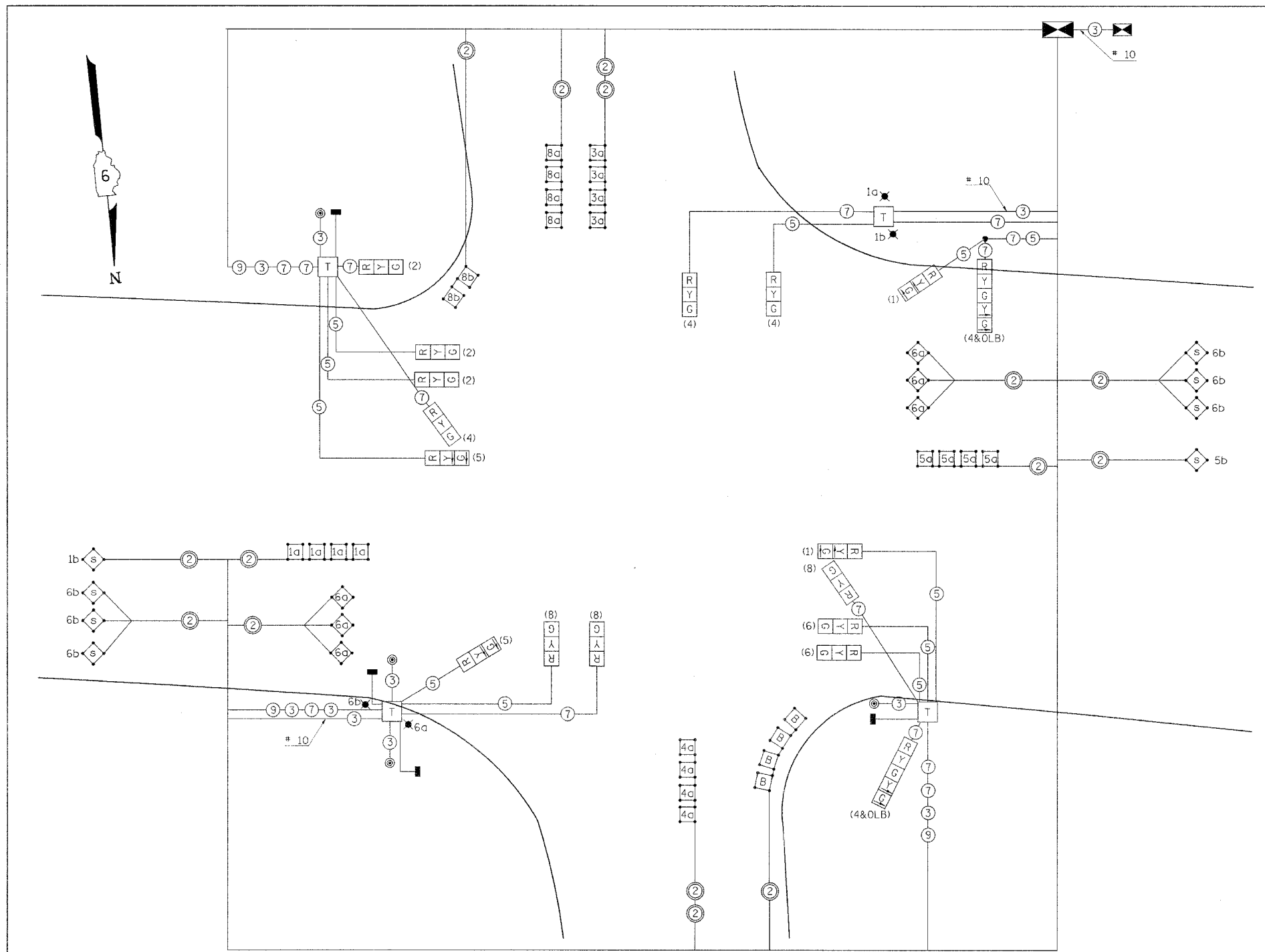


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	225	71
STA.		TO STA.		
FED. ROAD DIST. NO. -		ILLINOIS	FED. AID PROJECT	

* (12-1)2N,1-5,TS-3,B-1

WIRING DIAGRAM FOR ROADWAY LIGHTING



NOTES

1. ALL LUMINAIRES ARE 250 WATTS.
2. ELECTRIC CABLE IN CONDUIT, 600 V (XLP-TYPE USE) 3/C NO 10 IS USED IN POLES OR LUMINAIRES.

NOTE: ALL CABLES SHALL BE A.W.G. #14 UNLESS OTHERWISE NOTED.

- LEGEND**
- PROPOSED CABLE
 - 5a INDICATES 6'x6' LOOP WITH 2" CORE DRILLED CORNERS: NUMBER INDICATES PHASE, LOWER CASE LETTER INDICATES AMPLIFIER, "S" INDICATES SYSTEM LOOP.
 - T INDICATES TERMINAL BLOCK IN MAST ARM POLE BASE (SEE SPECIAL PROVISIONS) SEE NOTE NO. 1.
 - 6a INDICATES 5'x5' LOOP WITH 2" CORE DRILLED CORNERS: NUMBER INDICATES PHASE, LOWER CASE LETTER INDICATES AMPLIFIER, "S" INDICATES SYSTEM LOOP.
 - ② INDICATES 2/C TWISTED, SHIELDED CABLE IN CONDUIT.
 - ⑤ NUMBER IN CIRCLE INDICATES NUMBER OF CONDUCTORS IN THAT CABLE.
 - PROPOSED LUMINAIRE
 - PROPOSED PEDESTRIAN SIGNAL HEAD
 - ⊙ PROPOSED PEDESTRIAN PUSH-BUTTON
 - (4) NUMBER IN PARENTHESIS INDICATES PHASE.
 - ☒ PROPOSED FULL-ACTUATED CONTROLLER
 - ☒ PROPOSED LIGHTING CONTROLLER WITH PHOTOCELL RELAY
 - PROPOSED TRAFFIC SIGNAL POST

NOTES

1. ALL SIGNAL LENSES SHALL BE 12 INCHES.
2. ELECTRIC CABLE DENOTED AS #10, 3/C BEING INSTALLED TO THE COMBINATION MAST ARM POLES SHALL NOT GO THROUGH THE TERMINAL BLOCK BUT SHOULD BE SPLICED IN POLE. SEE LIGHT POLE FOUNDATION DETAIL.
3. ELECTRIC SERVICE IS SUPPLIED BY AMEREN CIPS.

- HH INDICATES PROPOSED TRAFFIC SIGNAL HANDHOLE
- NOTE: THE SIGNAL CONDUIT SYSTEM SHALL BE UTILIZED TO INSTALL WIRING FOR ALL THE PROPOSED LIGHTING SYSTEM, EXCEPT AS DENOTED ON THE PLANS.
- HANDHOLE DESIGNATIONS:
 NE NORTHEAST CORNER
 NW NORTHWEST CORNER
 SW SOUTHWEST CORNER
- ① NUMBER INDICATES POSITION OF POLE IN WIRING DIAGRAM. LETTER INDICATES LUMINAIRE ON POLE.
- INDICATES PROPOSED GROUND AT LIGHT STANDARD.
- ⊕ INDICATES CONTINUOUS GROUND FOR CONTROL INSTALLATION.

TRAFFIC SIGNAL CABLE DIAGRAM & WIRING DIAGRAM FOR ROADWAY LIGHTING INTERSECTION OF IL 13 & EMERALD LN /SYCAMORE ST

2/15/2008 11:06:40 AM C:\p04403\1034403.dwg