

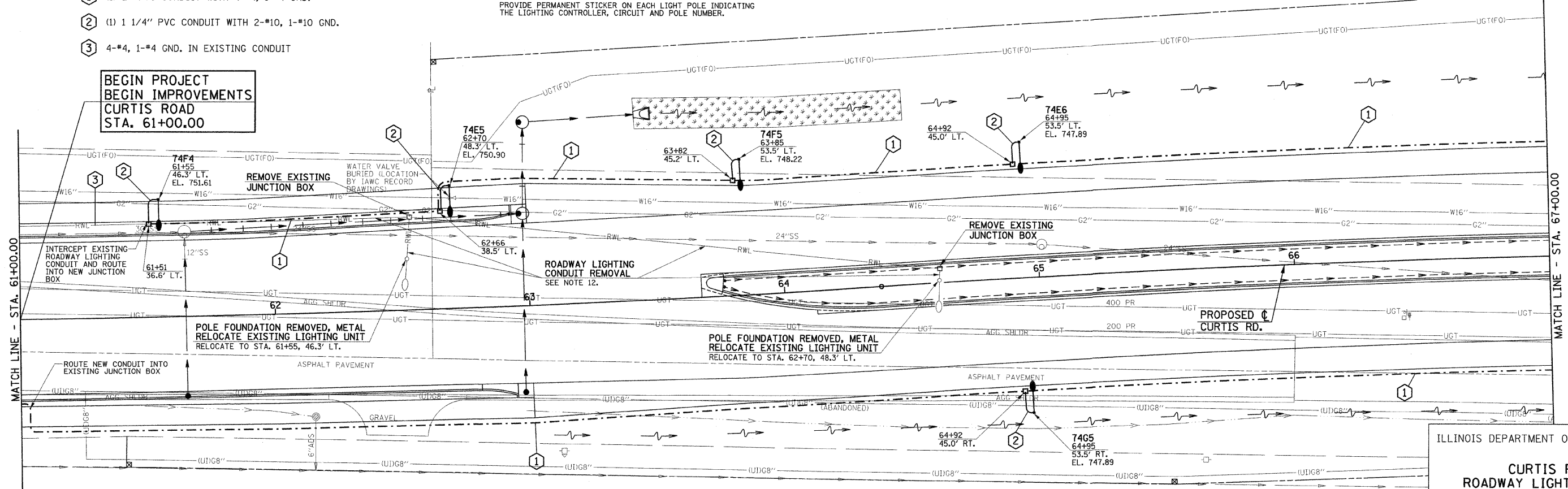
### ELECTRICAL GENERAL NOTES

- ALL ELECTRICAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE 2005 NATIONAL ELECTRICAL CODE, THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", AND ALL APPLICABLE LOCAL ORDINANCES.
- THE CONTRACTOR SHALL FURNISH ALL MATERIALS FOR A COMPLETE AND WORKABLE SYSTEM.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS AND FOR PROVIDING ALL SUPERVISION, LABOR, MATERIAL AND TOOLS FOR THE PROJECT.
- ALL LOCATIONS AND DIMENSIONS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD VERIFY ALL ELECTRICAL EQUIPMENT LOCATIONS AND EQUIPMENT DIMENSIONS.
- ALL CONDUITS WITH WIRING SHALL BE PROVIDED WITH AN INSULATED COPPER GROUNDING CONDUCTOR SIZED IN ACCORDANCE WITH THE 2005 NATIONAL ELECTRICAL CODE.
- ALL SERVICE LATERAL CONDUITS SHALL BE SCHEDULE 40 PVC EXCEPT ALL ELBOWS AND VERTICAL RISERS WHICH SHALL BE RIGID GALVANIZED STEEL (RGS). ALL ELBOWS SHALL BE LONG RADIUS TYPE. CONTRACTOR SHALL VERIFY AND COMPLY WITH ALL AMEREN IP REQUIREMENTS FOR THE SERVICE INSTALLATION.
- CONDUIT ROUTING SHOWN IS SCHEMATIC ONLY. CONTRACTOR SHALL COORDINATE EXACT ROUTING AND INSTALLATION WITH ALL OTHER SITE WORK BEING PERFORMED. COORDINATE ALL POLE LOCATIONS WITH ENGINEER IN FIELD.
- PROVIDE PULLSTRING IN ALL CONDUITS, INCLUDING CONDUITS WITH CONDUCTORS INSTALLED.
- ALL CONDUIT SHALL BE 30" BELOW FINAL GRADE UNLESS DIRECTED OTHERWISE BY THE ENGINEER. CONTRACTOR IS RESPONSIBLE FOR REPAIR TO ALL UNDERGROUND UTILITIES DAMAGED DURING INSTALLATION OF ROADWAY LIGHTING SYSTEM.
- GROUND RODS SHALL BE 3/4" DIA. X 10'-0" LONG COPPER CLAD STEEL. GROUNDING ELECTRODE CONDUCTORS SHALL BE #6 SOLID COPPER AND SHALL BE EXOTHERMICALLY WELDED TO GROUNDING ELECTRODE. GROUND ROD SHALL BE INSTALLED ONLY AT CONCRETE POLE FOUNDATIONS AND LIGHTING CONTROLLER.
- POLE WIRING WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED WITH THE LUMINAIRE PER ARTICLE 821.03 OF THE STANDARD SPECIFICATIONS.
- THE EXISTING ROADWAY LIGHTING CABLES AND CONDUITS THAT ARE NOT INCORPORATED IN THE PROPOSED ROADWAY LIGHTING WORK SHALL BE REMOVED, AND THE TRENCHES SHALL BE BACKFILLED IN ACCORDANCE WITH ARTICLE 819.04 OF THE STANDARD SPECIFICATIONS. THE EXISTING CABLE AND CONDUIT REMOVAL AND BACKFILLING THE TRENCH WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR ROADWAY LIGHTING CONDUIT REMOVAL. EXISTING ROADWAY LIGHTING CABLE THAT IS REMOVED FROM EXISTING CONDUIT TO REMAIN IN PLACE WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF ROADWAY LIGHTING CONDUIT REMOVAL, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE CONTRACTOR SHALL USE CARE IN CONSTRUCTING THE CONCRETE FOUNDATIONS FOR THE STREET LIGHTS THAT ARE NEAR TRENCH EXCAVATIONS FOR BOX CULVERTS OR STORM SEWERS. THE TRENCH BACKFILL, SPECIAL MATERIAL OR CONTROLLED LOW-STRENGTH MATERIAL SHALL BE BLOCKED OUT AT THE CONCRETE FOUNDATION LOCATIONS TO ALLOW FOR THEIR LATER CONSTRUCTION.
- THE AUGERED CONDUITS MAY BE CONSTRUCTED IN TRENCHES PRIOR TO CONSTRUCTING PAVEMENTS WITH THE APPROVAL OF THE ENGINEER. THE CONDUITS WILL THEN BE PAID FOR AS CONDUIT IN TRENCH, 2" DIA., PVC AND AS TRENCH AND BACKFILL WITH SCREENINGS OR SAND.

### CONDUIT/CABLE SCHEDULE

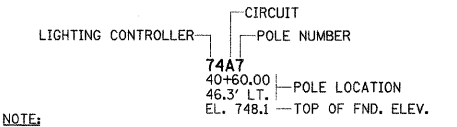
- (1) 2" PVC CONDUIT WITH 4-#4, 1-#4 GND.
- (2) 1 1/4" PVC CONDUIT WITH 2-#10, 1-#10 GND.
- (3) 4-#4, 1-#4 GND. IN EXISTING CONDUIT

**BEGIN PROJECT  
BEGIN IMPROVEMENTS  
CURTIS ROAD  
STA. 61+00.00**



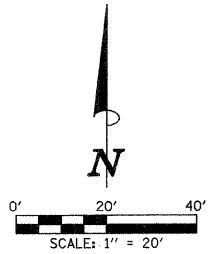
**EXISTING ROADWAY LIGHTING CONTROLLER #74**  
CURTIS ROAD STA. 45+65, 50' LT.

### CIRCUIT DESIGNATION SCHEME



**NOTE:**  
PROVIDE PERMANENT STICKER ON EACH LIGHT POLE INDICATING THE LIGHTING CONTROLLER, CIRCUIT AND POLE NUMBER.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	136
STA. 56+00.00		TO STA. 67+00.00		
ILLINOIS F.A. PROJ. NO. RS-HPP-1805(00D)				
CONTRACT NO. 91368				



### ROADWAY LIGHTING LEGEND

- PROPOSED TRAFFIC SIGNAL HANDHOLE. (SEE TRAFFIC SIGNAL PLANS FOR LOCATION)
- PROPOSED 250W HPS LUMINAIRE, WITH M-C-III DISTRIBUTION, WITH 15' TRUSS ARM MOUNTED ON 40' TRAFFIC SIGNAL MAST ARM POLE. TRUSS ARM ORIENTATION SHALL BE AS INDICATED ON PLANS. TRUSS ARM, POLE, POLE FOUNDATION, AND INTERNALLY ILLUMINATED STREET NAME SIGN TO BE PROVIDED AND INSTALLED AS PART OF THE TRAFFIC SIGNAL INSTALLATION. COORDINATE LUMINAIRE INSTALLATION AND SIGN WIRING WITH POLE AND SIGNAL INSTALLATION.
- PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET.
- PROPOSED LIGHTING CONTROLLER (X INDICATES CONTROLLER #).
- PROPOSED 250W HPS LUMINAIRE, WITH M-C-III DISTRIBUTION, WITH 8' TRUSS ARM MOUNTED ON 40' POLE, WITH AUGERED STEEL FOUNDATION.
- PROPOSED 250W HPS LUMINAIRE, WITH M-C-III DISTRIBUTION, WITH 8' TRUSS ARM MOUNTED ON 40' POLE, WITH CONCRETE FOUNDATION. (SEE NOTE 13)
- PROPOSED JUNCTION BOX, SPECIAL. ALL JUNCTION BOXES SHALL BE 12"W x 12"L x 12"D UNLESS OTHERWISE NOTED.
- PROPOSED PVC CONDUIT (SCH. 80), AUGERED. SEE CONDUIT/CABLE SCHEDULE FOR QUANTITIES. (SEE NOTE 14)
- PROPOSED PVC CONDUIT (SCH. 40) IN TRENCH. SEE CONDUIT/CABLE SCHEDULE FOR QUANTITIES.
- EXISTING 250W HPS LUMINAIRE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CURTIS ROAD  
ROADWAY LIGHTING PLANS**

DATE : 10-08  
DRAWN BY : JRM/JAJ  
CHECKED BY : JJP

SCALE : 1"=20'  
SHEET 136 OF 242 SHEETS C01401