









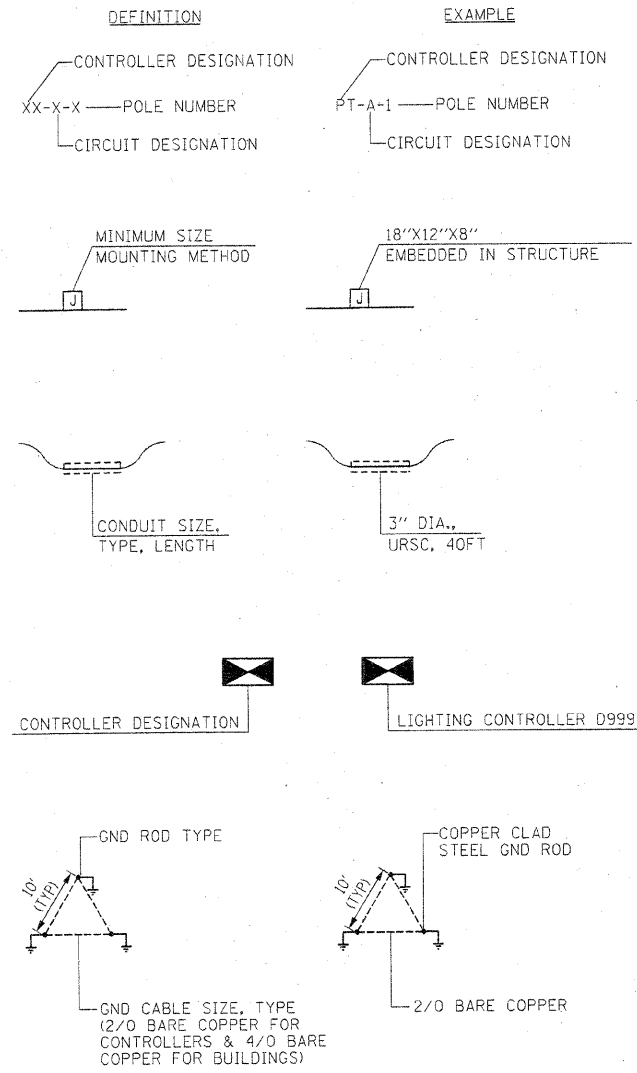


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
856	01-00170-26-TL	WILL	171	113
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO: 63570				

ELECTRICAL SYMBOLS

-  LIGHTING UNIT:
45 FT. M.H., 10 FT. M.A.,
310W HPS M-C-II LUMINAIRE, UNO
9" BREAKAWAY TRANSFORMER BASE
-  COMBINATION TRAFFIC SIGNAL AND
LUMINAIRE LIGHTING UNIT
-  UNIT DUCT
2 #6 XLP-TYPE USE & 1 #6 XLP GND IN 1/4" DIA.
SCHEDULE 40 POLYETHYLENE DUCT
-  LIGHTING CONTROLLER CABINET
-  EXISTING UTILITY POLE
-  GROUND ROD
-  AERIAL CABLE
-  UNIT DUCT INSTALLED IN CASING IN TRENCH
-  DIRECT BURIED CONDUIT IN TRENCH
-  ELECTRIC UTILITY SERVICE

CALL-OUT SAMPLES



ABBREVIATIONS

- A AMPERE
- AC ALTERNATING CURRENT
- A/C AERIAL CABLE
- AFG ABOVE FINISHED GRADE
- CB CIRCUIT BREAKER
- CKT CIRCUIT
- COMED COMMONWEALTH EDISON
- DIA DIAMETER
- DP DISTRIBUTION PANEL
- E EXISTING LIGHTING UNIT TO REMAIN
- EOP EDGE OF PAVEMENT
- EPR ETHYLENE PROPYLENE RUBBER
- FT FEET OR FOOT
- FU FUSE
- GND GROUND
- HID HIGH INTENSITY DISCHARGE
- HPS HIGH PRESSURE SODIUM
- IDOT ILLINOIS DEPARTMENT OF TRANSPORTATION
- IN INCH/INCHES
- JB JUNCTION BOX
- KV KILOVOLT
- M METER
- MA MAST ARM
- MH MOUNTING HEIGHT
- MIN MINIMUM
- NO, # NUMBER
- PB PUSH BUTTON
- P POLE
- PH PHASE
- PNL PANEL
- PVC POLYVINYL CHLORIDE
- R EXISTING LIGHTING UNIT TO BE REMOVED (OWNER SALVAGED UNLESS NOTED OTHERWISE)
- RECP RECEPTACLE
- RGSC RIGID GALVANIZED STEEL CONDUIT
- SS STAINLESS STEEL
- STA STATION
- TC TRAY CABLE
- TYP TYPICAL
- UD UNIT DUCT
- UNO UNLESS NOTED OTHERWISE
- URSC UNDERGROUND RIGID SHEET CONDUIT
- V VOLT
- VA VOLT-AMPERE
- W WATT
- WP WEATHERPROOF
- XFMR TRANSFORMER

GENERAL NOTES

1. PRIOR TO THE INSTALLATION OF NEW UNIT DUCTS, CONDUITS, HANDHOLES, JUNCTION BOXES, LIGHT STANDARD FOUNDATIONS AND APPURTENANCES, THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF EXISTING LIGHTING CONDUITS, CABLE AND UNDERGROUND UTILITIES.
2. THE CONTRACTOR SHALL VERIFY ALL OF THE DATA SHOWN ON THE CONTRACT PLANS WHICH WOULD AFFECT HIS/HER WORK UNDER THIS CONTRACT.
3. ALL NEW UNIT DUCTS, CONDUITS, HANDHOLES, JUNCTION BOXES, APPURTENANCES ARE ILLUSTRATED DIAGRAMATICALLY, THE ACTUAL LOCATION IN THE FIELD SHALL BE APPROVED BY THE ENGINEER.
4. CONDUITS, UNIT DUCT, HANDHOLES, JUNCTION BOXES, LIGHT STANDARD FOUNDATION AND APPURTENANCES SHALL BE POSITIONED IN THE FIELD TO AVOID CONFLICT WITH DRAINS AND ALL OTHER UTILITIES, BOTH UNDERGROUND AND ABOVE GROUND.
5. ALL DISTURBED AREAS WHERE RESTORATION IS NOT COVERED BY APPLICABLE SECTIONS OF THE SPECIAL PROVISIONS SHALL BE RESTORED TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE CONTRACT. SEPARATE PAYMENT WILL NOT BE MADE.
6. THE CABLE INSTALLATION FROM THE LIGHTING CONTROL CABINET TO THE LIGHT STANDARDS SHALL BE CONTINUOUS WITHOUT UNDERGROUND SPLICES. SPLICING OF CABLES IS PERMITTED ONLY IN THE BASE OF THE LIGHT STANDARDS AND IN ABOVE GROUND JUNCTION BOXES.
7. ALL PITS USED FOR BORING AND PULLING CONDUITS UNDER ROADWAYS AND DRIVEWAYS SHALL BE LOCATED FIVE (5) FEET (MINIMUM) CLEAR FROM THE EDGE OF SHOULDER. LOCATIONS OF THE CONDUIT CROSSINGS SHOWN ARE APPROXIMATE AND MAY BE SHIFTED AS NECESSARY TO MEET THE MINIMUM CLEARANCE REQUIREMENTS. THE PITS SHALL BE ADEQUATELY GUARDED TO PROTECT THE MOTORIST. THE CONTRACTOR SHALL SUBMIT PLANS OF EACH PIT TO THE ENGINEER PRIOR TO EXCAVATING EACH PIT. THE PIT PLANS SHALL SHOW THE PIT SIZE, PIT LOCATION, PROTECTION TO BE INSTALLED, AND MAINTENANCE OF TRAFFIC AT PIT SITE.
8. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL LUMINAIRE LAMPS IN ACCORDANCE WITH THE LUMINAIRE SUPPLIER RECOMMENDATIONS. THE CONTRACTOR SHALL COORDINATE THE LAMP TYPE, VOLTAGE, AND WATTAGE WITH THE LUMINAIRE SUPPLIER.
9. THE CONTRACTOR SHALL CONTACT THE ELECTRIC UTILITY COMPANY TO COORDINATE THE ELECTRICAL SERVICE WORK.
CONTACT: COMED
MR. JOSEPH ISABELLI
815.724.5699
10. TO MAINTAIN THE STRUCTURAL INTEGRITY OF THE LIGHT POLES, THE LIGHT POLES SHALL NOT BE ERECTED AND/OR LEFT TO STAND WITHOUT LUMINAIRES. THE LIGHT POLES WILL NOT BE PAID FOR UNTIL THE POLES ARE FULLY APPROVED WITH THE LUMINAIRES INSTALLED, CONNECTED, AND TESTED.
11. THE EQUIPMENT GROUNDING CONDUCTORS SHALL BE SPLICED AND BONDED TO EACH JUNCTION BOX AND PULL BOX THAT THE CONDUCTORS PASS THROUGH. JUNCTION BOXES AND PULL BOXES SHALL BE EQUIPPED WITH GROUND LUGS FOR THE GROUND WIRE TERMINATION. THE GROUND LUG INSTALLATION SHALL NOT DEGRADE THE JUNCTION BOX RATING.
12. TRENCHES FOR LIGHTING RACEWAYS SHALL HAVE A MINIMUM DEPTH OF 30".
13. PROPOSED LIGHT POLES ARE TO BE INSTALLED WITH BREAKAWAY DEVICE.

E-01

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		RENWICK ROAD & WEBER ROAD ELECTRICAL SYMBOLS, CALL-OUT SAMPLES, ABBREVIATIONS, AND GENERAL NOTES
SCALE: NONE		DRAWN BY: CJO
DATE: APRIL, 2011		CHECKED BY: RH