
























SYMBOL LIST

-  EXISTING LIGHTING CONTROLLER
 -  NEW LIGHTING CONTROLLET
 -  EXISTING LIGHT POLE TO REMAIN
 -  EXISTING ITEM TO BE REMOVED
 -  EXISTING LIGHT POLE TO BE REMOVED AND SALVAGED
 -  LIGHT POLE (INSTALL ONLY) ON NEW FOUNDATION
 -  TEMPORARY 750W HPS LUMINAIRE AND WOOD POLE, 90 FT., WITH 15 FT. MAST ARM
 -  NEW 400W HPS LUMINAIRE, POLE AND FOUNDATION, SINGLE ARM, GROUND MOUNTED
 -  NEW 400W HPS LUMINAIRE AND POLE SINGLE ARM, RETAINING WALL OR PARAPET MOUNTED
 -  NEW UNDERPASS LIGHT FIXTURE
 -  LOW DUTY LIGHTING HANDHOLE
 -  HIGH DUTY LIGHTING HANDHOLE
 -  GROUND ROD
 -  SERVICE TRANSFORMER ON UTILITY (COMED) POLE
 -  TEMPORARY WOOD POLE, 40 FT., CLASS 4
 -  UNIT DUCT, NO. AND SIZE OF WIRES AS NOTED ON PLANS
 -  EXISTING WIRING
 -  WIRING IN CONDUIT ATTACHED TO STRUCTURE
 -  WIRING IN CONDUIT EMBEDDED IN STRUCTURE
 -  AERIAL CABLE, 4-1/C NO. 2, WITH MESSENGER WIRE, UNLESS OTHERWISE NOTED
 -  UNDERGROUND CONDUIT, 4" DIA., TYPE AS NOTED.
 -  NEW LIGHTING JUNCTION BOX, TYPE AND SIZE AS NOTED
 -  WIRING/CONDUIT TAG
- S-FOR SINGLE, D-FOR DOUBLE, Q-FOR QUAD
ARM MAST, 15 FT. LONG
MOUNTING HEIGHT, 50 FT.
CIRCUIT NUMBER
- S15-50-C1**
M-C-II
- LIGHT DISTRIBUTION TYPE
CONTROL CATEGORY, C-FOR CUT-OFF, S-FOR SEMI CUT-OFF
SPACING RANGE, M-FOR MEDIUM, S-FOR SHORT

ABBREVIATIONS

- A AMPS
- DIA DIAMETER
- C CONDUIT
- GND GROUND
- FT FEET
- HPS HIGH PRESSURE SODIUM
- LT LEFT
- MC MEDIUM CUTOFF
- P PUSHED
- PC PHOTO CONTROL
- PH PHASE
- PVC POLYVINYL CHLORIDE
- RGS RIGID GALVANIZED STEEL
- RT RIGHT
- STA STATION
- UNO UNLESS NOTED OTHERWISE
- V VOLTS
- W WATTS

GENERAL NOTES

1. CONTRACTOR SHALL MAINTAIN EXISTING TO REMAIN AND TEMPORARY LIGHTING SYSTEM THROUGHOUT THE PROJECT LIMITS AND ADJACENT AREAS UNTIL NEW LIGHTING SYSTEM IS OPERATIONAL.
2. ALL UNIT DUCT SHALL BE PLOWED-IN UNLESS SPECIFICALLY NOTED ON THE PLANS TO BE INSTALLED IN (A)-TRENCH, (B)-4" SCH. 40 PVC DUCT, OR (C)-4" UNDERGROUND CONDUIT OR CASING TAGGED AS APPLICABLE.
3. PRIOR TO INSTALLATION OF NEW UNIT DUCT, CONDUITS, JUNCTION BOXES, LIGHT STANDARD FOUNDATION AND APPURTENANCES, THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF EXISTING CONDUITS, CABLES AND UNDERGROUND UTILITIES. THE CONTRACTOR SHALL CALL J.U.L.I.E. TO AID IN THIS TASK.
4. THE CONTRACTOR SHALL VERIFY ALL DATA SHOWN ON THE CONTRACT PLANS AND REFERENCE DRAWINGS WHICH WOULD AFFECT HIS WORK UNDER THIS CONTRACT AND THE OPERATION OF THE EXISTING ROADWAY LIGHTING AND SIGN LIGHTING SYSTEMS.
5. ALL NEW UNIT DUCT, CONDUIT, JUNCTION BOXES AND APPURTENANCES ARE ILLUSTRATED DIAGRAMMATICALLY. THE ACTUAL LOCATION IN THE FIELD SHALL MEET WITH THE APPROVAL OF THE ENGINEER.
6. THE ELECTRICAL MATERIALS SHALL BE NEW AND OF THE TYPE AND KINDS APPROVED BY THE FOLLOWING ORGANIZATIONS:

NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS
ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA
AMERICAN ASSOC. OF STATE HYWAY AND TRANSPORTATION OFFICIALS
U.S. DEPARTMENT OF TRANSPORTATION
UNDERWRITERS LABORATORIES
AMERICAN NATIONAL STANDARD INSTITUTE
INSULATED CABLE ENGINEERS ASSOCIATION
7. CONDUIT AND UNIT DUCT SHALL BE POSITIONED IN THE FIELD TO AVOID UTILITY INTERFERENCE - CONTRACTOR TO VERIFY LOCATION.
8. ALL PITS USED FOR INSTALLED PUSHED (JACKED) STEEL CASING UNDER EXISTING ROADWAYS SHALL BE LOCATED FIVE (5) FEET MINIMUM CLEARANCE FROM THE EDGE OF THE SHOULDER. LOCATIONS OF THE CONDUIT CROSSING SHOWN ARE APPROXIMATE AND MAY BE SHIFTED AS NECESSARY TO MEET THE MINIMUM CLEARANCE REQUIREMENTS. THE PITS MUST BE ADEQUATELY GUARDED TO PROTECT THE MOTORISTS. THE CONTRACTOR MUST SUBMIT PLANS FOR THE LOCATION AND SIZE OF THE PITS AND MAINTENANCE AND PROTECTION OF TRAFFIC AT THE SITE FOR THE APPROVAL OF THE ENGINEER.
9. LUMINAIRES MUST BE INSTALLED ON LIGHT STANDARDS WITHIN A MAXIMUM OF 48 HOURS AFTER LIGHT STANDARD IS ERECTED.
10. WHERE THE PROPOSED UNDERPASS LUMINAIRES ARE TO BE INSTALLED, THE LUMINAIRES AND RELATED WIRING SHALL BE INSTALLED AS SHOWN ON SHEET LT-20.
11. WHERE THE PROPOSED JUNCTION BOXES ARE TO BE INSTALLED, THE EMBEDDED JUNCTION BOXES SHALL BE INSTALLED AS SHOWN ON IDOT DISTRICT 1 DETAIL BE703.
12. TEMPORARY LIGHTING SHALL REMAIN IN SERVICE UNTIL THE PERMANENT LIGHTING SYSTEM IS IN OPERATION. THE CONTRACTOR MUST MAINTAIN SAFE EQUIPMENT AND WORKING CLEARANCES FROM THE EXISTING COMED OVERHEAD ELECTRIC LINES.

CABLEDUCT SCHEDULE

- (A)** UNIT DUCT, WITH 4-1/C NO. 2 AND 1/C NO. 4 GROUND, 600V (XLP-TYPE USE), 2" DIA. CNC IN UNDERGROUND CONDUIT, PVC, 4" DIA.
- (B)** UNIT DUCT, WITH 4-1/C NO. 2 AND 1/C NO. 4 GROUND, 600V (XLP-TYPE USE), 2" DIA. CNC
- (C)** UNIT DUCT, WITH 4-1/C NO. 2 AND 1/C NO. 4 GROUND, 600V (XLP-TYPE USE), 2" DIA. CNC IN CONDUIT EMBEDDED IN STRUCTURE, 4" DIA., PVC
- (D)** ELECTRIC CABLE, 600V (XLP-TYPE USE) (3)1/C NO. 3/0 IN UNDERGROUND CONDUIT, PVC, 3" DIA.
- (E)** ELECTRIC CABLE, 600V (XLP-TYPE USE) (4)1/C NO. 2, 1/C NO. 4 IN CONDUIT ATTACHED TO STRUCTURE, 2" DIA., PVC COATED GALVANIZED STEEL
- (F)** ELECTRIC CABLE, 600V (XLP-TYPE USE) (4)1/C NO. 10 IN CONDUIT ATTACHED TO STRUCTURE, 3/4" DIA., PVC COATED GALVANIZED STEEL
- (G)** UNIT DUCT, WITH 4-1/C NO. 2 AND 1/C NO. 4 GROUND, 600V (XLP-TYPE USE), 2" DIA. CNC IN UNDERGROUND CONDUIT, PVC COATED GALVANIZED STEEL, 4" DIA.
- (H)** UNIT DUCT, WITH 2-1/C NO. 2 AND 1/C NO. 4 GROUND, 600V (XLP-TYPE USE), 2" DIA. CNC
- (I)** ELECTRIC CABLE, 600V (XLP-TYPE USE) (3)1/C NO. 10 IN , 3/4" LIQUIDTIGHT FLEXIBLE METALLIC CONDUIT

FILE NAME	USER NAME	DESIGNED <i>MCP</i>	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TOLLWAY ELECTRICAL SYMBOLS, ABBREVIATIONS AND GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN <i>MLB</i>	REVISED			338	(112 & 113) WRS-5	DUPAGE	963	561	
PLOT SCALE		CHECKED <i>MCP</i>	REVISED			LT-06					
PLOT DATE		DATE <i>10/15/2012</i>	REVISED			CONTRACT NO. 60131					
					SCALE: AS SHOWN		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.		
ILLINOIS FED. AID PROJECT											