

ROADWAY LIGHTING SHEET INDEX

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DETAILS

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GENERAL NOTES - ROADWAY LIGHTING

- SPlicing OF CONDUCTORS SHALL BE IN POLE BASES OR WEATHER TIGHT JUNCTION BOXES ONLY. SPLICES BELOW GRADE WILL NOT BE PERMITTED.
- LIGHTING CIRCUIT SHALL BE WIRED IN ACCORDANCE WITH THE PLANS. DEVIATIONS WILL NOT BE PERMITTED WITHOUT PRIOR APPROVAL OF THE ENGINEER.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO RESTORE ANY SPECIALIZED LANDSCAPING (DECORATIVE ROCKS, PLANTS, ETC.).
- ALL WORK SHALL CONFORM TO THE LATEST IDOT AND IDOT DISTRICT 1 STANDARDS, SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS, SPECIAL PROVISIONS, REQUIREMENTS OF THE CITY OF ST. CHARLES, NATIONAL ELECTRICAL CODE, AND NATIONAL ELECTRICAL SAFETY CODE.
- BURIED UTILITY LOCATIONS SHOWN ON THE PLAN SHEETS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL VERIFY LOCATIONS OF ALL UTILITIES BEFORE STARTING WORK.
- THE CONTRACTOR SHALL LOCATE AND PROTECT EXISTING UNDERGROUND DUCT RUN ON THE NORTH SIDE OF IL RTE. 64 FROM THE WEST SIDE OF CEDAR RD. TO THE WEST SIDE OF DUNHAM RD. AND EXTENDING NORTH ON DUNHAM AND CEDAR RDS. THE DUCT RUN CONTAINS A 34,500 VOLT SUBTRANSMISSION LINE. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS WHEN WORKING IN THAT AREA TO AVOID CONTACT WITH THE DUCT RUN. THIS WORK MUST BE CLOSELY COORDINATED WITH THE ST. CHARLES ELECTRIC UTILITY.
- ALL ELECTRICAL EQUIPMENT SHALL BE UL LISTED AND LABELLED.
- ALL CONDUITS SHALL BE SEALED.
- ALL CIRCUIT WIRES SHALL BE LABELED WITH CIRCUIT IDENTIFICATION.
- ALL LAMPS SHALL BE FURNISHED AS PART OF THE CONTRACT.

GENERAL NOTES - ROADWAY LIGHTING (CONTINUED)

- CIRCUITS SHALL BE TESTED PER SPECIFICATION.
- THE LOCATIONS OF ALL PROPOSED EQUIPMENT ARE ILLUSTRATED DIAGRAMMATICALLY. THE ACTUAL LOCATION IN THE FIELD SHALL MEET THE APPROVAL OF THE ENGINEER.
- ALL MEASUREMENTS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY MEASUREMENTS IN THE FIELD.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTING INSTALLATIONS AND DATA PRIOR TO BIDDING.
- THE CONTRACTOR MUST MAINTAIN SAFE EQUIPMENT AND WORKING CLEARANCES FROM THE EXISTING SCEU OVERHEAD ELECTRIC LINES. THE CONTRACTOR SHALL PLAN HIS WORK CONSIDERING SCEU'S LINES TO BE IN SERVICE AND ENERGIZED THROUGHOUT THE CONSTRUCTION PERIOD.
- EQUIPMENT GROUNDING CONDUCTORS SHALL BE CONTINUOUS.
- ALL NEW UNIT DUCTS AND UNDERGROUND CONDUITS SHALL BE PLACED A MINIMUM OF 30" BENEATH THE GROUND SURFACE (FINAL GRADE), UNLESS NOTED OTHERWISE.
- THE CONTRACTOR SHALL COORDINATE INSTALLATION OF CONDUITS, FOUNDATIONS AND UNIT DUCTS WITH THE ROADWAY, CURB AND SIDEWALK WORK, AND WITH UNDERGROUND UTILITIES.
- AT LOCATIONS, WHERE, DUE TO RIGHT-OF-WAY AND SETBACK LIMITS, THE POLE FOUNDATION ENCRoACHES ON THE SIDEWALK, THE FOUNDATION SHALL BE LOCATED SO AS TO MAINTAIN THE REQUIRED ADA MINIMUM SIDEWALK WIDTH OF 36 INCHES.

GENERAL NOTES - ROADWAY LIGHTING (CONTINUED)

- THE EXISTING LIGHTING SYSTEM VOLTAGE WITHIN THE PROJECTS LIMITS IS 240V.
- THE COST OF SPlicing TEMPORARY CONDUCTORS TO EXISTING CONDUCTORS IN EXISTING POLES SHALL BE INCIDENTAL TO THE PAY ITEM FOR AERIAL CABLE.
- TEMPORARY LIGHTING SHALL REMAIN IN SERVICE UNTIL THE PERMANENT LIGHTING SYSTEM IS IN OPERATION.
- ALL SALVAGED MATERIALS SHALL BE RETURNED TO THE SCEU.
- TO MAINTAIN THE STRUCTURAL INTEGRITY OF THE LIGHT POLES, THE LIGHT POLES SHALL NOT BE ERRECTED AND/OR LEFT TO STAND WITHOUT LUMINAIRES.
- THE LOCATION OF THE EXISTING LIGHTING CONTROLLER FOR THE EXISTING LIGHTING UNITS WEST OF 8TH AVENUE IS AT 5TH AVENUE AND IL RTE. 64 (MAIN STREET).
- THE LOCATION OF THE EXISTING LIGHTING CONTROLLER FOR THE EXISTING LIGHTING UNITS NEAR KIRK ROAD IS EAST OF KIRK AT THE MALL ENTRANCE ON THE NORTH SIDE OF IL RTE 64 (MAIN STREET).
- THE CONTRACTOR SHALL REQUEST A FORMAL MAINTENANCE TRANSFER FROM THE SCEU BEFORE WORK BEGINS. CONTACT THE SCEU OFFICE, PHONE (630) 377-4407.
- ALL POLE FOUNDATIONS ARE 24" DIAMETER CONCRETE STANDARD FOUNDATIONS UNLESS NOTED OTHERWISE.
- PROVIDE A 3'-0" SETBACK FROM BACK OF CURB TO FACE OF POLE OR POLE BASE, UNO.
- IF POLE SETBACKS NEED TO BE CHANGED AS A RESULT OF UNFORSEEN FIELD CONDITIONS, THE MINIMUM POLE SETBACK FROM BACK OF CURB TO FACE OF POLE SHALL BE 2'-0".
- WHERE AERIAL CABLES ARE SHOWN ATTACHED TO AN EXISTING OR PROPOSED LIGHTING UNIT, THE CONTRACTOR SHALL PROVIDE GUY WIRES TO SUPPORT THE POLE. THIS WORK SHALL BE INCLUDED IN THE PAY ITEM FOR AERIAL CABLE.
- ALL PROPOSED CONDUITS SHOWN ON THE PLANS AS TRENCHED OR PUSHED SHALL BE INCLUDED UNDER THE "UNDERGROUND CONDUIT" PAY ITEM FOR THE SIZE SHOWN.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	129 R-2	KANE	243	145
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

ELECTRICAL STAGING PLAN

ROADWAY	LIGHTING
<b>PRE-CONSTRUCTION</b>	
	FURNISH, INSTALL AND ENERGIZE TEMPORARY LIGHTING AS SHOWN ON SHEETS LT-06, LT-07 AND LT-08. ALL TEMPORARY LUMINAIRES TO HAVE INDIVIDUAL PHOTOCELL CONTROL.
	CITY OF ST. CHARLES TO RELOCATE THE WOOD POLE AT THE SOUTHWEST CORNER OF 8TH AVENUE AND IL RTE. 64.
	CITY OF ST. CHARLES TO REMOVE THE EXISTING STREET LIGHT AND WOOD POLE AT THE SOUTHWEST CORNER OF 11TH AVENUE AND IL RTE. 64.
<b>STAGE 1</b>	
EASTBOUND AND WESTBOUND TRAFFIC MOVED TO NORTH SIDE OF IL RTE 64.	EXISTING LIGHTING ON NORTH SIDE OF IL RTE 64 TO REMAIN IN SERVICE. REMOVE EXISTING LIGHTING FROM SOUTH SIDE.
	FURNISH, INSTALL PROPOSED LIGHTING SYSTEM ON SOUTH SIDE.
	FURNISH, INSTALL AND ENERGIZE LIGHTING CONTROLLERS.
	FURNISH, INSTALL TEMPORARY AERIAL CABLE FEEDS FROM CONTROLLERS TO LIGHTING UNITS ON SOUTH SIDE.
	ENERGIZE PROPOSED LIGHTING UNITS ON SOUTH SIDE.
<b>STAGE 2</b>	
EASTBOUND AND WESTBOUND TRAFFIC MOVED TO SOUTH SIDE OF IL RTE 64.	REMOVE EXISTING AND TEMPORARY LUMINAIRES, MAST ARMS AND WOOD POLES.
	FURNISH, INSTALL AND ENERGIZE PROPOSED LIGHTING SYSTEM ON NORTH SIDE.
	FURNISH, INSTALL PERMANENT FEEDS FROM CONTROLLERS TO LIGHTING UNITS ON SOUTH SIDE.
	REMOVE TEMPORARY FEEDS FROM CONTROLLERS TO LIGHTING UNITS ON SOUTH SIDE.
<b>STAGE 3</b>	
ROADWAY WORK COMPLETE. WESTBOUND TRAFFIC MOVED TO NORTH SIDE OF IL RTE 64.	REMOVE TEMPORARY AERIAL CABLES FROM LIGHTING CONTROLLERS TO LIGHT UNITS ON SOUTH SIDE OF IL RTE 64.
	REMOVE WOOD POLES AT LIGHTING CONTROLLERS.

SYMBOL LIST

DESCRIPTION	PROPOSED	EXISTING TO REMAIN	EXISTING TO BE REMOVED	TEMPORARY
PROPOSED LIGHTING UNIT: 47.5 FT MH, 15 FT MA 310W HPS M-C-III LUMINAIRE WITH BREAKAWAY COUPLING AND SKIRT, UNO				
PROPOSED LIGHTING UNIT: 47.5 FT MH, 2 - 15 FT MA 2 - 310W HPS M-C-III LUMINAIRE WITH BREAKAWAY COUPLING AND SKIRT				
EXISTING LIGHTING UNIT				
UNIT DUCT IN TRENCH, 1 1/2" DIA. POLYETHYLENE WITH 4 - 1/C NO. 4, 1/C NO. 6 GROUND, (XLP-TYPE USE)				
3" RGSC, PUSHED WITH UNIT DUCT (1 1/2" DIA. POLYETHYLENE WITH 4 - 1/C NO. 4, 1/C NO. 6 GROUND, (XLP-TYPE USE), UNLESS NOTED OTHERWISE				
3" RGSC, IN TRENCH WITH UNIT DUCT (1 1/2" DIA. POLYETHYLENE WITH 4 - 1/C NO. 4, 1/C NO. 6 GROUND, (XLP-TYPE USE)				
RGSC IN TRENCH, SIZE AND CONDUCTORS AS NOTED ON PLANS				
TEMPORARY LIGHTING UNIT: 60' CLASS 4 WOOD POLE, 400 W HPS WITH PHOTOCELL CONTROL, 50' MH, 15 FT MA, UNO				
TEMPORARY WOOD POLE 60' CLASS 4, UNO				
AERIAL CABLE, 3 - 1/C # 4 WITH MESSENGER WIRE				
GROUND ROD, COPPER-CLAD STEEL, 3/4" DIA. X 10' LONG, UNO				
LIGHTING CONTROLLER CABINET, SINGLE DOOR, BASE MOUNTED, 120/240V, 1-PH, 3-WIRE (DOOR SIDE AS INDICATED)				
SCEU SERVICE PEDESTAL (BY OTHERS)				
SCEU PADMOUNTED TRANSFORMER (BY OTHERS)				
MANHOLE				
WOOD POLE, CITY OF ST. CHARLES				
WOOD POLE, COMCAST				

ABBREVIATIONS

A	AMPERES
AC	ALTERNATING CURRENT
ADA	AMERICANS WITH DISABILITIES ACT
C	CONDUIT
CKT	CIRCUIT
DCO	DUPLEX CONVENIENCE OUTLET
DIA	DIAMETER
E	EXISTING LIGHTING UNIT TO REMAIN
EPR	ETHYLENE PROPOLYENE RUBBER
FT	FEET
GND	GROUND
HPS	HIGH PRESSURE SODIUM
IDOT	ILLINOIS DEPARTMENT OF TRANSPORTATION
IN	INCHES
LT	LEFT
MA	MAST ARM
MH	MOUNTING HEIGHT
MTW	MACHINE TOOL WIRE
P	PUSHED
PC	PHOTOCELL CONTROL
PH	PHASE
PVC	POLYVINYL CHLORIDE
R	EXISTING LIGHTING UNIT TO BE REMOVED (OWNER SALVAGED)
RGSC	RIGID GALVANIZED STEEL CONDUIT
RT	RIGHT
SB	SETBACK
SCEU	ST. CHARLES ELECTRIC UTILITY
STA	STATION
T	TEMPORARY
TYP	TYPICAL
UD	UNIT DUCT
UNO	UNLESS NOTED OTHERWISE
V	VOLTS
W	WATTS
W	WIRES

REVISIONS	
NAME	DATE



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ILLINOIS DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 64  
GENERAL NOTES, LEGEND, SHEET INDEX

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