

F.A. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
39	50-4B	LASALLE	337
STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

**INDEX OF DRAWINGS**

SHT. No.	SHEET NAME
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**GENERAL ELECTRICAL NOTES:**

- ELECTRICAL WORK SHALL CONFORM WITH NATIONAL ELECTRIC CODE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS, QUANTITIES, AND TYPE OF UTILITIES IN AREAS TO BE EXCAVATED PRIOR TO COMMENCEMENT OF ANY WORK AND SHALL HAND EXCAVATE AS REQUIRED IN ORDER TO NOT INTERRUPT ANY EXISTING SERVICES. IF IN PERFORMING WORK DAMAGE TO EXISTING UTILITIES OCCURS, CONTRACTOR SHALL NOTIFY UTILITY IMMEDIATELY AND PAY ANY COST INCURRED FOR REPAIR OR REPLACEMENT.
- ELECTRICAL EQUIPMENT, RACEWAY, ETC. ARE SHOWN IN APPROXIMATE LOCATIONS ONLY. CONTRACTOR SHALL INSTALL ELECTRICAL EQUIPMENT, RACEWAYS, ETC. WHERE DIRECTED BY THE ENGINEER IN ORDER TO BEST SUIT JOB CONDITIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL EXISTING STATE OWNED LIGHTING UTILITIES WITHIN THE LIMITS OF THE CONTRACT.
- ALL STATE OWNED SALVAGEABLE LIGHTING EQUIPMENT REMOVED UNDER THIS CONTRACT SHALL BE RETURNED TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DISTRICT 3, AS DIRECTED BY THE ENGINEER.

**CONSTRUCTION NOTES:**

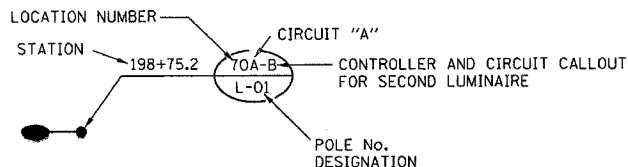
- CONDUCTORS SHALL BE COPPER WITH XLP-USE INSULATION AS NOTED ON THE PLAN SHEETS.
- CONDUCTORS SHALL BE INSTALLED IN CONDUIT, 2" PVC. SCHED. 40, UNLESS NOTED.
- THE GROUND CONDUCTOR SHALL HAVE NO SPLICE OR KINKS BELOW GRADE, IT SHALL BE SOLIDLY CONNECTED TO THE GROUNDING LUG OF EACH POLE AND TO THE GROUND ROD AT THE SERVICE INSTALLATION.
- ALL POLES AND THE STREET LIGHT CONTROLLERS SHALL BE CONNECTED TO A CONTINUOUS GROUND CONSISTING OF A GREEN INSULATED ELECTRICAL CONDUCTOR 600 V. XLP, 1/C. NO. 4. THIS CONDUCTOR SHALL BE PLACED INSIDE THE CONDUIT ALONG WITH THE INSULATED CABLES.
- THE EXISTING LIGHT CONTROLLER CONCRETE FOUNDATION SHALL BE REMOVED TO A DEPTH AT LEAST 3 FEET BELOW THE FINAL GRADE AND DISPOSED OF OUTSIDE THE RIGHT-OF-WAY. THE HOLE SHALL THEN BE BACKFILLED WITH APPROVED MATERIALS AND RECONSTRUCTED TO MATCH THE ADJOINING AREA. COMPACTION SHALL BE BY A METHOD APPROVED BY THE ENGINEER. EXISTING CONDUIT/UNITDUCT SHALL BE ABANDONED. REMOVAL OF EXISTING CABLE IN CONDUIT SHALL BE INCLUDED IN THE POLE FOUNDATION REMOVAL PAY ITEM.
- ALL LIGHTING POLE UNITS SHALL HAVE A MOUNTING PAD INSTALLED PER ARTICLE 1069.03 OF STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- LIGHTING FOUNDATION INCLUDING ANCHOR BOLTS, SHALL BE INCLUDED WITH CONCRETE SUPERSTRUCTURE.
- ALL NON-METALLIC JUNCTION BOXES SHALL BE MANUFACTURED PER ARTICAL 1088.05.

**ABBREVIATIONS**

A/C	AERIAL CABLE
AC	ALTERNATE CURRENT
AS	ATTACHED TO STRUCTURE
CKT	CIRCUIT
CB	CIRCUIT BREAKER
ELCBL	ELECTRIC CABLE
ES	EMBEDDED IN STRUCTURE
FND	FOUNDATION
GND	GROUND
GFI	GROUND FAULT INTERRUPTION
HH	HANDHOLE
HPS	HIGH PRESSURE SODIUM VAPOR
JB	JUNCTION BOX
KVA	KILOVOLT AMPERE
LED	LIGHT EMITTING DIODE
L.F.	LINEAR FEET
LUM	LUMINAIRE
MH	MOUNTING HEIGHT
NM	NON-METALLIC
NO.	NUMBER
OPP	OPPOSITE
PNL	PANEL
PROJ	PROJECT
PROP	PROPOSED
RCOC	REMOTE CONTROL OUTDOOR CIRCUIT (LIGHTING CONTROLLER)
REQ'D	REQUIRED
GRS	GALVANIZED RIGID STEEL
SS	STAINLESS STEEL
TEMP	TEMPORARY
V	VOLT
W	WATT
WP	WEATHER PROOF
XFMR	TRANSFORMER

**LEGEND**

- (1) PROPOSED STREET LIGHT UNIT, 45 FOOT ALUMINUM POLE, 6 FOOT DAVIT ARM, 250W HPS, MCII LUMINAIRE. STAGE 1.
- (2) PROPOSED STREET LIGHT UNIT, 45 FOOT ALUMINUM POLE, 6 FOOT DAVIT ARM, 250W HPS, MCII LUMINAIRE. STAGE 2.
- (1) PROPOSED STREET LIGHT UNIT, 45 FOOT ALUMINUM POLE, 6 FOOT DAVIT ARM - TWIN, 250W HPS, MCII LUMINAIRE. STAGE 1.
- NAVIGATION UNIT, COLOR AS NOTED
- X(1) EXISTING STREET LIGHT UNIT TO BE REMOVED IN STAGE 1, SALVAGE.
- X(2) EXISTING STREET LIGHT UNIT TO BE REMOVED IN STAGE 2, SALVAGE.
- EXISTING STREET LIGHT UNIT TO REMAIN.
- GROUND (GREEN) (1-1/C \*4)
  - 1-1/C\*4 (UNLESS OTHERWISE NOTED), PHASE, CIRCUIT A.
  - 1-1/C\*4 (UNLESS OTHERWISE NOTED), PHASE, CIRCUIT B.
  - PROPOSED ST. LT. CABLE IN CONDUIT
  - 1-1/C\*4 (UNLESS OTHERWISE NOTED), PHASE CIRCUIT B.
  - 1-1/C\*4 (UNLESS OTHERWISE NOTED), PHASE, CIRCUIT A.
- PROPOSED STREET LIGHT CONTROLLER, 200 AMP-480 VOLT-DUAL
- EXISTING STREET LIGHT CONTROLLER, TO BE REMOVED
- PROPOSED JUNCTION BOX, SIZE AS NOTED.
- PROPOSED ELECTRICAL SERVICE INSTALLATION
- TEMPORARY AERIAL CABLE, 3-1/C NO.6, WITH MESSENGER WIRE



- PROPOSED CONDUIT, 2" (UNLESS OTHERWISE INDICATED), PVC (SCH. 40), EMBEDDED IN STRUCTURE (UNLESS OTHERWISE INDICATED).
- PROPOSED CONDUIT, 2" (UNLESS NOTED), GR, ATTACHED TO STRUCTURE.
- EXISTING UNDERGROUND CONDUIT TO REMAIN.



*Richard E. Stark*  
EXPIRATION DATE 11-30-06

SEAL PERTAINS TO LIGHTING SHEETS 1 TO 22 AND ITS SHEETS 1 TO 5

REVISIONS	
NAME	DATE

LIGHTING SHEET 1 OF 22

ILLINOIS DEPARTMENT OF TRANSPORTATION  
ABRAHAM LINCOLN MEMORIAL BRIDGE  
OVER THE ILLINOIS RIVER  
F.A.I. ROUTE 39  
INDEX, GENERAL NOTES, ELECTRICAL  
NOTES, LEGEND AND ABBREVIATIONS

DATE \_\_\_\_\_ DRAWN BY DJK  
CHECKED BY GHT

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