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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	B2-1-N-1	Cook	196	93
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

ELECTRICAL SYMBOLS FOR PROPOSED WORK

- LIGHTING UNIT:
47.5 FT. M.H., 15 FT. M.A.
400W HPS M-C-III LUMINAIRE
BREAKAWAY TRANSFORMER BASE
(MULTIPLE DESIGNATIONS AS REQ'D.)
- EXISTING LIGHTING UNIT TO REMAIN
- LOCATION OF REINSTALLED LIGHTING UNIT
- COMBINATION LIGHTING UNIT:
45 FT. M.H., 15 FT. M.A.
400W HPS M-C-III LUMINAIRE
- TWIN LIGHTING UNIT:
--- FT. M.H., 2--- FT. M.A.
--- W HPS M-C-III LUMINAIRE
BREAKAWAY TRANSFORMER BASE
- UNDERPASS LUMINAIRE:
--- WATT ---
- JUNCTION BOX, TYPE AND SIZE INDICATED
- LIGHT TOWER:
FT. MOUNTING HEIGHT
W HPS LUMINAIRES
NUMBER OF MOUNTS AS SPEC'D.
ORIENTATION ANGLE AS INDICATED
WITH 90 BEING PERPENDICULAR TO THE
ROADWAY THE TOWER IS STATIONED FROM.
HANDHOLE LOCATION AS INDICATED.
- ELECTRIC CONNECTION TO SIGN STRUCTURE
CANTILEVER SIGN STRUCTURE
- ELECTRIC CONNECTION TO SIGN STRUCTURE
TRUSS TYPE SIGN STRUCTURE
- ELECTRIC CONNECTION TO SIGN STRUCTURE
BRIDGE MOUNTED SIGN
- AERIAL ELECTRIC CABLE, 3-1/C #2 ALUMINUM
WITH MESSENGER WIRE
- UNIT DUCT AS INDICATED BY CALL OUT
- RIGID GALVANIZED STEEL CONDUIT,
PVC COATED, ATTACHED TO STRUCTURE
DIAMETER AND NUMBER & TYPE OF
CONDUCTORS AS INDICATED
- RIGID GALVANIZED STEEL CONDUIT
BELOW GRADE, DIAMETER AND
LENGTH AS INDICATED.
- DUCT BANK:
---" DIA. PVC CONDUIT
--- H X --- W ENCASED
IN CONCRETE.
- LIGHTING CONTROLLER, DUPLEX
(DOOR SIDE AS INDICATED)
- UTILITY SERVICE CONNECTION, POLE MOUNTED
- UTILITY SERVICE CONNECTION, PAD MOUNTED
- GROUND ROD
- TEMPORARY LIGHTING UNIT:
50 FT. M.H., 15 FT. M.A.
400W HPS M-C-III LUMINAIRE
- TEMPORARY LIGHTING UNIT:
70 FT. M.H., 15 FT. M.A.
750W HPS M-C-III LUMINAIRE

ELECTRICAL SYMBOLS FOR EXISTING CONDITIONS

- GENERAL DESIGNATIONS**
- E EXISTING EQUIPMENT TO REMAIN
 - R EXISTING EQUIPMENT TO BE REMOVED
 - EXISTING LIGHTING UNIT TO REMAIN
 - EXISTING COMBINATION LIGHTING UNIT TO REMAIN
 - EXISTING LIGHTING UNIT, TWIN LUMINAIRE,
TO REMAIN
 - TEMPORARY LIGHTING UNIT
 - EXISTING LIGHTING UNIT TO BE REMOVED
AND RELOCATED
 - EXISTING LIGHTING UNIT TO BE REMOVED
 - EXISTING UNDERPASS LUMINAIRE
 - TEMPORARY LIGHTING UNIT TO BE REMOVED
 - EXISTING TEMPORARY LIGHTING UNIT
TO BE REMOVED AND REINSTALLED
 - LOCATION OF REINSTALLED TEMPORARY LIGHTING UNIT
 - EXISTING TEMPORARY LIGHTING UNIT
 - EXISTING ELECTRIC CONNECTION TO SIGN
STRUCTURE, CANTILEVER TYPE
 - EXISTING ELECTRIC CONNECTION TO SIGN,
STRUCTURE, TRUSS TYPE
 - EXISTING ELECTRIC CONNECTION TO SIGN
STRUCTURE, BRIDGE MOUNT TYPE
 - EXISTING UNIT DUCT TO BE ABANDONED
 - EXISTING EXPOSED CONDUIT
 - EXISTING UNIT DUCT
 - EXISTING JUNCTION BOX
 - EXISTING LIGHTING CONTROLLER, DUPLEX
 - EXISTING UTILITY SERVICE CONNECTION, POLE MOUNTED
 - EXISTING UTILITY SERVICE CONNECTION, PAD MOUNTED

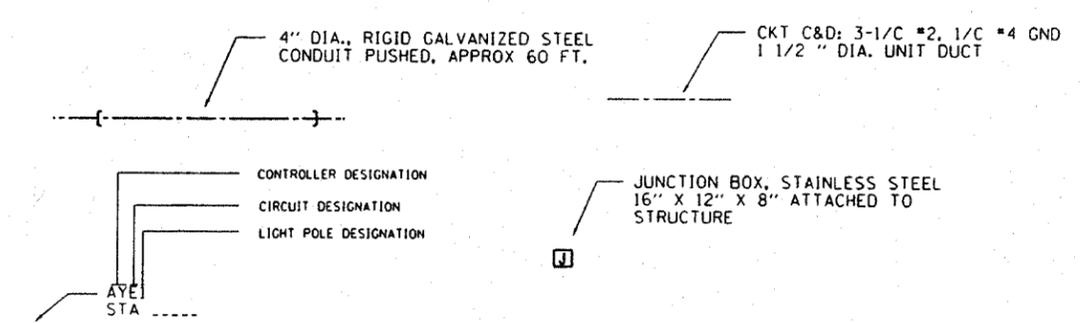
GENERAL ELECTRICAL PLAN NOTES

1. THE CONTRACTOR SHALL REQUEST A FORMAL MAINTENANCE TRANSFER BEFORE ANY WORK, LIGHTING OR OTHER, BEGINS. THE CONTRACTOR SHALL CONTACT THE ELECTRICAL MAINTENANCE OFFICE AT (847) 221-3079
2. TO MAINTAIN THE STRUCTURAL INTEGRITY OF THE LIGHT POLES, THE LIGHT POLES SHALL NOT BE ERECTED AND/OR LEFT TO STAND WITHOUT LUMINAIRES. NOTE THAT THE LIGHT POLES WILL NOT PAID FOR UNTIL THE POLES ARE FULLY APPROVED AND THE LUMINAIRES ARE INSTALLED.
3. THE QUANTITIES OF RACEWAYS WHERE INDICATED IN THESE PLANS ARE APPROXIMATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS AND SHALL INSTALL RACEWAYS IN COMPLETE COMPLIANCE WITH THE SPECIFIED REQUIREMENTS.
4. THE EQUIPMENT GROUNDING CONDUCTORS SHALL BE SPLICED AND BONDED TO EACH JUNCTION BOX AND PULL BOX THE CONDUCTORS PASS THROUGH. JUNCTION BOXES SHALL BE EQUIPPED WITH GROUND LUGS FOR GROUND WIRE TERMINATION WITHOUT DEGRADATION OF THE JUNCTION BOX RATING
5. ALL RELOCATED AND NEW LIGHT POLES SHALL HAVE A MINIMUM SETBACK OF 12 FEET FROM EDGE OF TRAVELED PAVEMENT OR BACK OF CURB. (UNLESS OTHERWISE NOTED)
6. SYSTEM VOLTAGE IS 240/480V, 3 WIRE, SINGLE PHASE. LUMINAIRE BALLAST SHALL BE CONNECTED AT 240V.

TEMPORARY LIGHTING PLAN NOTES:

1. ALL TEMPORARY WOOD LIGHT POLES SHALL HAVE A MINIMUM SETBACK OF 17 FEET FROM PROPOSED EDGE OF TRAVELED PAVEMENT.
2. AT NO TIME SHALL THE ROADWAY BE LEFT UNLIT. THE TEMPORARY LIGHTING SHALL BE INSTALLED AS SHOWN ON THE STAGE 1 PLANS BEFORE EXISTING LIGHTING IS REMOVED.
3. ONCE THE TEMPORARY LIGHTING IS INSTALLED AND OPERATIONAL TO THE SATISFACTION OF THE ENGINEER, THE EXISTING LIGHT POLES TO BE RELOCATED SHALL BE REMOVED AND STORED.
4. ALL RELOCATED AND NEW LIGHT POLES WITHIN THE PROJECT LIMITS SHALL BE OPERATIONAL BEFORE THE START OF STAGE 2 CONSTRUCTION. ONCE COMPLETE ALL TEMPORARY LIGHT POLES SHALL BE REMOVED EXCEPT TEMPORARY LIGHT POLES TE3, TE7, TF6, AND TF8. THESE TEMP. POLES SHALL BE REMOVED ONCE THE PROPOSED COMBINATION LIGHT POLES ARE INSTALLED AND OPERATIONAL.

GENERAL ELECTRICAL CALLOUTS



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**U.S. ROUTE 20 @
SHALES PARKWAY**

LIGHTING SYMBOLS AND NOTES

SCALE: VERT. NONE
HORIZ. NONE
DATE 2/4/2008

DRAWN BY AC
CHECKED BY MEA/MJ