




















F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2002-022 K	WILL	172	66
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT # 62389				

ELECTRICAL SYMBOLS FOR PROPOSED WORK

-  LIGHTING UNIT:
47.5 FT. M.H. 15 FT. M.A.,
400W HPS M-C-III LUMINAIRE
BREAKWAY TRANSFORMER BASE
-  LIGHTING UNIT:
47.5 FT. M.H. 15 FT. M.A.,
400W HPS M-C-III LUMINAIRE
PARAPET MOUNTED
-  COMBINATION LIGHTING UNIT:
45 FT. M.H., 15 FT. M.A.
400W HPS M-C-III LUMINAIRE
-  RELOCATED LIGHTING UNIT
-  UNDERPASS LUMINAIRE:
70 WATT HPS
-  JUNCTION BOX, TYPE AND SIZE INDICATED
-  UNIT DUCT
3-1/C #2 WITH 1/C #4 GND IN
1/4" DIA. POLYETHYLENE
-  CONDUIT ATTACHED TO STRUCTURE
1" DIAMETER, GALVANIZED STEEL,
PVC COATED, CONDUCTORS AS INDICATED
-  RIGID GALVANIZED STEEL CONDUIT
IN TRENCH OR PUSHED AS INDICATED
-  GROUND ROD
-  ELECTRICAL CONNECTION TO SIGN STRUCTURE
CANTILEVER SIGN STRUCTURE
-  ELECTRIC CONNECTION TO SIGN STRUCTURE
TRUSS TYPE SIGN STRUCTURE
-  600V, 3 POLE, 30 AMPERE FUSED DISCONNECT SWITCH

ELECTRICAL SYMBOLS FOR EXISTING CONDITIONS AND TEMPORARY LIGHTING DETAILS

- GENERAL DESIGNATIONS**
- E EXISTING EQUIPMENT TO REMAIN
 - R EXISTING EQUIPMENT TO BE REMOVED
 -  EXISTING LIGHTING CONTROLLER
 -  EXISTING LIGHTING UNIT TO REMAIN
 -  EXISTING LIGHTING UNIT TO BE REMOVED
AND RELOCATED
 -  TEMPORARY LIGHTING UNIT, 50 FT MH,
15 FT MAST ARM 400 W HPS M-C-III LUMINAIRE
 -  AERIAL TYPE CABLE, 3-1/C NO. 1/0
ALUMINUM WITH MESSENGER WIRE
 -  EXISTING UTILITY SERVICE CONNECTION, POLE 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 (630) 860-3670
2. THE CONTRACTOR SHALL CONTACT THE ELECTRIC UTILITY COMPANY TO COORDINATE THE ELECTRICAL SERVICE WORK.
3. 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 BE PAID FOR UNTIL THE POLES ARE FULLY APPROVED AND THE LUMINAIRES ARE INSTALLED.
4. 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.
5. 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.
6. REFER TO THE TRAFFIC SIGNAL PLANS FOR THE EXACT LOCATIONS OF COMBINATION TRAFFIC SIGNAL/LIGHT POLES AT THE INTERSECTION.
7. TRENCHES FOR LIGHTING RACEWAYS SHALL HAVE A MINIMUM DEPTH OF 760mm (36")
8. INDEPENDENT TESTING OF LUMINAIRES IS REQUESTED WHEN THE QUANTITY INDICATED IN THE SUMMARY OF QUANTITIES IS 50 OR MORE FOR A GIVEN PAY ITEM. TESTING SHALL BE IN ACCORDANCE WITH ARTICLE 1067.01(A)(7) OF THE STANDARD SPECIFICATIONS.
9. THE CONTRACTOR SHALL REMOVE AND STORE THE POLES TO BE RELOCATED AT NO ADDITIONAL COST. ANY REMOVED WIRING THAT IS NOT REUSABLE SHALL BECOME PROPERTY OF THE CONTRACTOR.

PLAN	SURVEYED	DATE
NO.	BY	

PROFILE	SURVEYED	DATE
NO.	BY	

LTG-01

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

LIGHTING SYMBOLS AND NOTES

K&E KAM ENGINEERING, INC.
CONSULTING ENGINEERS
707A Davis Road, Suite 205
Eglin, Illinois 60123-1369

SCALE: NONE
DATE: OCTOBER 25, 2004
DRAWN BY: SM
DESIGNED BY: SM
CHECKED BY: SM