









LEGEND

-  TEMPORARY LIGHTING UNIT, 50 FT. WOOD POLE, CLASS 3, 250W MULTI-MOUNT LUMINAIRE
-  TEMPORARY LIGHTING UNIT, 60 FT. WOOD POLE, CLASS 3, 400W MULTI-MOUNT LUMINAIRE
-  AERIAL CABLE, SIZE AND TYPE AS INDICATED
-  ELECTRIC CABLE IN TRENCH, SIZE AND TYPE AS INDICATED
-  UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3" DIA., SCHEDULE 80
-  EXISTING LIGHTING CONTROLLER
-  EXISTING LIGHTING TOWER
-  EXISTING ELECTRIC CABLE

CABLE SCHEDULE

- (A) AERIAL CABLE, 2-1/C NO. 1/0 ALUMINUM WITH MESSENGER WIRE
- (B) AERIAL CABLE, 2-1/C NO. 4/0 ALUMINUM WITH MESSENGER WIRE
- (C) ELECTRIC CABLE IN TRENCH, TRIPLEX 2-1/C NO. 1/0 AND NO. 2 GROUND, STRANDED ALUMINUM
- (D) ELECTRIC CABLE IN TRENCH, TRIPLEX 2-1/C NO. 4/0 AND NO. 2/0 GROUND, STRANDED ALUMINUM

TEMPORARY LIGHTING SYSTEM SCHEDULE OF QUANTITIES*

DESCRIPTION	UNIT	QUANTITY
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3" DIA.	FOOT	401
ELECTRIC CABLE IN TRENCH, TRIPLEX 2-1C NO. 1/0 NO. 2 GROUND	FOOT	1590
ELECTRIC CABLE IN TRENCH, TRIPLEX 2-1C NO. 4/0, NO. 2/0 GROUND	FOOT	3937
AERIAL CABLE, 2-1/C NO. 1/0 WITH MESSENGER WIRE	FOOT	3040
AERIAL CABLE, 2-1/C NO. 4/0 WITH MESSENGER WIRE	FOOT	1100
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 250 WATT	EACH	24
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 400 WATT	EACH	2
LIGHT POLE, WOOD, 50 FOOT, CLASS 3	EACH	24
LIGHT POLE, WOOD, 60 FOOT, CLASS 3	EACH	2
REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	26

*ITEMS ARE AN ESTIMATE ONLY AND WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST FOR TEMPORARY LIGHTING SYSTEM. THIS SCHEDULE SHOULD NOT BE CONSIDERED ALL INCLUSIVE.

TEMPORARY LIGHTING NOTES

- POLE HEIGHT SHALL BE INCREASED AS NECESSARY TO MAINTAIN REQUIRED CLEARANCE OF AERIAL CABLE OVER THE ROADWAY.
- GUYS AND ANCHORS ARE SHOWN AS AN EXAMPLE AND SHALL BE INSTALLED AS NECESSARY TO THE SATISFACTION OF THE ENGINEER.
- TEMPORARY WOOD POLES SHALL BE SET BACK A MINIMUM OF 30 FEET FROM EXISTING EDGE OF PAVEMENT AND OUTSIDE THE CLEAR ZONE OR 5 FEET BEHIND GUARDRAIL.
- NO LIGHTING CIRCUIT OR PORTION THEREOF SHALL BE REMOVED FROM NIGHTTIME OPERATION WITHOUT THE APPROVAL OF THE ENGINEER.
- CONTRACTOR SHALL VERIFY CIRCUIT BREAKERS IN THE EXISTING LIGHTING CONTROLLER ARE ADEQUATELY SIZED TO ACCOMMODATE THE ADDED LOAD OF THE TEMPORARY LIGHTING. FURNISH AND INSTALL NEW CIRCUIT BREAKERS AS NEEDED ACCORDING TO ARTICLE 1068.01(E)3 OF THE STANDARD SPECIFICATIONS. THE COST OF THIS WORK SHALL BE INCIDENTAL TO THE TEMPORARY LIGHTING SYSTEM PAY ITEM.
- LOCATIONS OF EXISTING LIGHTING FACILITIES SHOWN ON THE PLANS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS.
- CONTRACTOR SHALL FURNISH AND INSTALL A TEMPORARY STEP UP TRANSFORMER WITH NECESSARY OVERCURRENT PROTECTION NEAR THE EXISTING LIGHTING CONTROLLER ACCORDING TO ALL APPLICABLE PORTIONS OF SECTION 827 OF THE STANDARD SPECIFICATIONS AND AS SHOWN ON THE CIRCUIT DIAGRAM. INTERCEPT THE EXISTING UNIT DUCT FEEDING TOWER 2 AND CONNECT TO THE SECONDARY SIDE OF THE TRANSFORMER. FURNISH AND INSTALL NEW CABLE IN CONDUIT FROM THE EXISTING BRANCH CIRCUIT BREAKER TO THE PRIMARY SIDE OF THE TRANSFORMER. THE TRANSFORMER SHALL BE MOUNTED TO A TEMPORARY PEDESTAL OR BY OTHER MEANS APPROVED BY THE ENGINEER. THE TRANSFORMER AND PEDESTAL SHALL BE REMOVED AFTER CONSTRUCTION AND THE EXISTING UNIT DUCT SHALL BE RECONNECTED TO THE EXISTING BRANCH CIRCUIT BREAKER IN THE CONTROLLER WITHOUT ANY UNDERGROUND SPLICING. THE COST OF THIS WORK SHALL BE INCLUDED IN THE TEMPORARY LIGHTING SYSTEM PAY ITEM.
- THE CONTRACTOR SHALL TAKE INSULATION RESISTANCE MEASUREMENTS OF THE EXISTING HIGH MAST LIGHTING CIRCUITS BEFORE ANY MODIFICATIONS ARE MADE AND PROVIDE WRITTEN RESULTS TO THE ENGINEER. EXISTING CIRCUITS NOT TESTED AND PROPERLY DOCUMENTED SHALL BE SUBJECT TO THE INSULATION RESISTANCE REQUIREMENTS OF ARTICLE 801.13 AT THE CONTRACTOR'S EXPENSE. AFTER THE TEMPORARY LIGHTING SYSTEM IS REMOVED AND ALL TOWERS ARE MADE FULLY OPERATIONAL THE CONTRACTOR SHALL TAKE INSULATION RESISTANCE MEASUREMENTS ACCORDING TO ARTICLE 801.13 AND PROVIDE WRITTEN RESULTS TO THE ENGINEER. IF THE TEST RESULTS DO NOT MEET OR EXCEED THE ORIGINAL READINGS, THE CONTRACTOR SHALL PROVIDE ALL MATERIALS AND LABOR REQUIRED TO BRING THE CIRCUITS BACK UP TO THAT LEVEL AT HIS OWN EXPENSE. THE COST OF INSULATION RESISTANCE TESTING SHALL BE INCLUDED IN THE TEMPORARY LIGHTING SYSTEM PAY ITEM.
- SEE SHEET 244A FOR EXISTING INTERCHANGE LIGHTING PLAN.

PRINT DRIVER: L:\00-ESCAP\011
 SCALE: 1/8" = 1'-0"
 FILE NAME: 1000000.dwg

USER NAME = has	DESIGNED - MES	REVISED -
ESCA PROJECT NO. 1000005	DRAWN - HAS	REVISED -
PLOT SCALE = 0:2 1/4" = 1'-0"	CHECKED - MES	REVISED -
PLOT DATE = 1/29/2014 1:59:03 PM	DATE - 11/13	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY LIGHTING DETAILS

SCALE: SHEET NO. 1 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-3B-1, 3B-1(3))BR	FAYETTE	277	72
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 74175	