




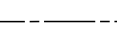
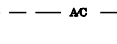
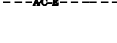








LEGEND

	PROPOSED LIGHTING UNIT 47.5' M.H., 6' DAVIT ARM., WITH 400W, 240V HPS LUMINAIRE, TYPE III, 6 AMP FUSE
	TEMPORARY LIGHTING UNIT 50' M.H., 15' MAST ARM., WITH 400W, 240V HPS LUMINAIRE, TYPE III, 6 AMP FUSE
	EXISTING LIGHTING UNIT TO BE REMOVED AND SALVAGED
	TEMPORARY LIGHTING UNIT TO BE LEFT IN PLACE AT CONCLUSION OF CONTRACT
	UNDERGROUND RIGID GALVANIZED STEEL CONDUIT (RGC) SIZE AS INDICATED IN PLANS
	UNIT DUCT, AS SPECIFIED IN PLANS
	AERIAL CABLE, AS SPECIFIED IN PLANS
	EXISTING AERIAL CABLE
	CONDUIT EMBEDDED IN STRUCTURE, AS SPECIFIED IN PLANS
	TEMPORARY LIGHTING CONTROLLER CABINET, 240/480V, SINGLE PHASE, 3 WIRE
	WOOD POLE, SIZE AS NOTED
	ELECTRIC UTILITY SERVICE CONNECTION
	GROUND ROD, 5/8" x 10'
	JUNCTION BOX, SIZE AND TYPE AS NOTED

ABBREVIATIONS

SYMBOL	DESCRIPTION
AC	ALTERNATING CURRENT
A/C	AERIAL CABLE
AFG	ABOVE FINISHED GRADE
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CM	CENTIMETER
CNC	COILABLE NONMETALLIC CONDUIT
CT	CURRENT TRANSFORMER
CP	CONTROL PANEL
DIA	DIAMETER
E	EXISTING UNIT TO REMAIN
ECA	ELECTRIC CABLE ASSEMBLY
FT	FEET OR FOOT
FND MET	FOUNDATION METAL
FU	FUSE
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
HPS	HIGH PRESSURE SODIUM
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATTS
M	METER
M.A.	MAST ARM
M.H.	MOUNTING HEIGHT
NO. #	NUMBER
PH	PHASE
RGC	RIGID GALVANIZED CONDUIT
RGS	RIGID GALVANIZED STEEL
STA	STATION
T	TEMPORARY LIGHTING UNIT
TB	TRANSFORMER BASE
TMP	TEMPORARY
UD	UNIT DUCT
WP	WOOD POLE
XFMR	TRANSFORMER

GENERAL NOTES:

1. THE ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND ASSOCIATED SUPPLEMENTAL SPECIFICATIONS (LATEST EDITION), AS WELL AS THE NATIONAL ELECTRICAL CODE.
2. ALL LUMINAIRES SHALL BE ORIENTED WITH THE OPTICS PERPENDICULAR TO THE ROADWAY UNLESS OTHERWISE INDICATED OR DIRECTED BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE APPLICABLE LUMINAIRE PAY ITEMS.
3. WHEREVER TEMPORARY AERIAL CABLE IS REQUIRED TO CROSS AN EXISTING AND/OR PROPOSED ROADWAY, THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF 20 FEET OF VERTICAL CLEARANCE OVER THE ROADWAY AT ALL TIMES.
4. THE TEMPORARY LIGHTING SYSTEM MUST BE INSTALLED AND OPERATIONAL PRIOR TO THE START OF STAGE 2 CONSTRUCTION. UNLESS NOTED OTHERWISE, ALL TEMPORARY LIGHTING EQUIPMENT SHALL BE LEFT IN PLACE AT THE CONCLUSION OF THE CONTRACT AS DENOTED ON THE INTERIM LIGHTING PLAN, AND ITS MAINTENANCE TRANSFERRED TO IDOT. THE INTERIM LIGHTING WILL BE REMOVED AND REPLACED WITH A PERMANENT LIGHTING SYSTEM IN A FUTURE CONTRACT.
5. THE EXISTING LIGHT POLES, MAST ARMS, LUMINAIRES AND BREAKAWAY DEVICES SHALL BE SALVAGED TO IDOT.
6. GROUND RODS ARE INCLUDED IN THE COST OF THE ITEM FOR WHICH THEY ARE INSTALLED, INCLUDING WOOD LIGHT POLES AND THE TEMPORARY LIGHTING CONTROLLER.
7. SETBACKS FOR TEMPORARY LIGHT POLES ARE MEASURED FROM CENTERLINE OF ROADWAY TO CENTER OF TEMPORARY POLE.

LIGHTING SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
ELECTRIC SERVICE INSTALLATION	EACH	1
ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	68
CONDUIT ATTACHED TO STRUCTURE, 1" DIA., GALVANIZED STEEL	FOOT	40
CONDUIT ATTACHED TO STRUCTURE, 3" DIA., GALVANIZED STEEL	FOOT	80
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	617
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 14" X 12" X 6"	EACH	4
UNIT DUCT, 600V, 3-1/C NO. 4, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	502
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 2	FOOT	96
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 4 & 1/C NO. 6 GROUND	FOOT	636
AERIAL CABLE, 3-1/C NO. 4 WITH MESSENGER WIRE	FOOT	2575
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	23
LIGHT POLE, WOOD, 60 FOOT, CLASS 4, WITH 15FT MAST ARM	EACH	21
REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	2
REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	8
REMOVAL OF POLE FOUNDATION	EACH	8
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	5274
TEMPORARY LIGHTING CONTROLLER	EACH	1
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	2
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	10
JUNCTION BOX, NON-METALLIC, EMBEDDED IN STRUCTURE, 8" X 6" X 6"	EACH	4
LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 6 FT. DAVIT ARM	EACH	2
WOOD POLE, 100 FOOT, CLASS 2	EACH	2
WOOD POLE, 60 FOOT, CLASS 4	EACH	1

EJM ENGINEERING, INC.
411 South Wells Street Suite 1000
Chicago, Illinois 60607

FILE NAME =	USER NAME = rswanson	DESIGNED - RAS	REVISED -
		DRAWN - RAS	REVISED -
	PLOT SCALE = 50,0000' / IN.	CHECKED - DLT	REVISED -
	PLOT DATE = 1/11/2012	DATE - 12/2/11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIGHTING GENERAL NOTES AND LEGEND
RUSSELL ROAD**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	49-1(HB & HB-1R)	LAKE	225	103
			CONTRACT NO. 60L76	
ILLINOIS FED. AID PROJECT				