

**IDOT LEGEND**

	EXISTING IDOT LIGHTING UNIT
	PROPOSED LIGHTING UNIT 47.5' M.H., 6' D.A., WITH 400W, 240V PHASE TO NEUTRAL HPS LUMINAIRE, MC III
	PROPOSED LIGHTING UNIT 47.5' M.H., 15' D.A., WITH 400W, 240V PHASE TO NEUTRAL HPS LUMINAIRE, MC III WITH TRANSFORMER BASE BREAKAWAY DEVICE
	PROPOSED LIGHTING UNIT ON COMBINATION TRAFFIC SIGNAL POLE 45' M.H., 15' D.A., WITH 400W, 240V PHASE TO NEUTRAL HPS LUMINAIRE, MC III
	PROPOSED LIGHTING UNIT 47.5' M.H., 10' D.A., WITH 400W, 240V PHASE TO NEUTRAL HPS LUMINAIRE, MC III WITH TRANSFORMER BASE BREAKAWAY DEVICE
	PROPOSED 180 DEGREE DUAL ARM LIGHTING UNIT 47.5' M.H., DUAL 6' D.A., WITH 400W, 240V HPS LUMINAIRES
	PROPOSED 90 DEGREE DUAL ARM LIGHTING UNIT 47.5' M.H., DUAL 10' D.A., WITH 400W, 240V HPS LUMINAIRES
	PROPOSED 90 DEGREE DUAL ARM LIGHTING UNIT 47.5' M.H., DUAL 15' D.A., WITH 400W, 240V HPS LUMINAIRES
	TEMPORARY LIGHTING UNIT 50' M.H., 15' MAST ARM., WITH 400W, 240V HPS LUMINAIRE, TYPE III, 6 AMP FUSE
	EXISTING TEMPORARY LIGHTING UNIT INSTALLED IN PREVIOUS CONTRACT 60L76 (TO BE REMOVED IN THIS CONTRACT)
	EXISTING LIGHTING UNIT TO BE REMOVED AND SALVAGED
	EXISTING UNDERPASS LUMINAIRE TO BE REMOVED
	PROPOSED UNDERPASS LUMINAIRE, WATTAGE AND TYPE PER PLANS
	UNDERGROUND RIGID GALVANIZED STEEL CONDUIT (RGSC) SIZE AND LENGTH AS INDICATED
	UNIT DUCT, AS SPECIFIED IN PLANS
	EXISTING CABLE AND CONDUIT TO REMAIN IN PLACE
	EXISTING OVERHEAD UTILITY POWER LINE
	AERIAL CABLE, AS SPECIFIED IN PLANS
	PROPOSED LIGHTING CONTROLLER CABINET, SINGLE DOOR, CONSOLE TYPE, 240/480V, SINGLE PHASE, 3 WIRE
	PROPOSED LIGHTING CONTROLLER CABINET, DOUBLE DOOR, CONSOLE TYPE, RADIO CONTROLLED CONTROLLER 240/480V, SINGLE PHASE, 3 WIRE
	EXISTING LIGHTING CONTROLLER CABINET
	EXISTING LIGHTING CONTROLLER CABINET TO BE REMOVED
	GROUND ROD, 5/8" DIA. X 10 FT
	WOOD POLE, SIZE AS NOTED
	PROPOSED ELECTRIC UTILITY SERVICE TRANSFORMER
	EXISTING ELECTRIC UTILITY SERVICE TRANSFORMER
	JUNCTION BOX, SIZE AND TYPE AS NOTED
	EXISTING HANDHOLE TO BE REMOVED

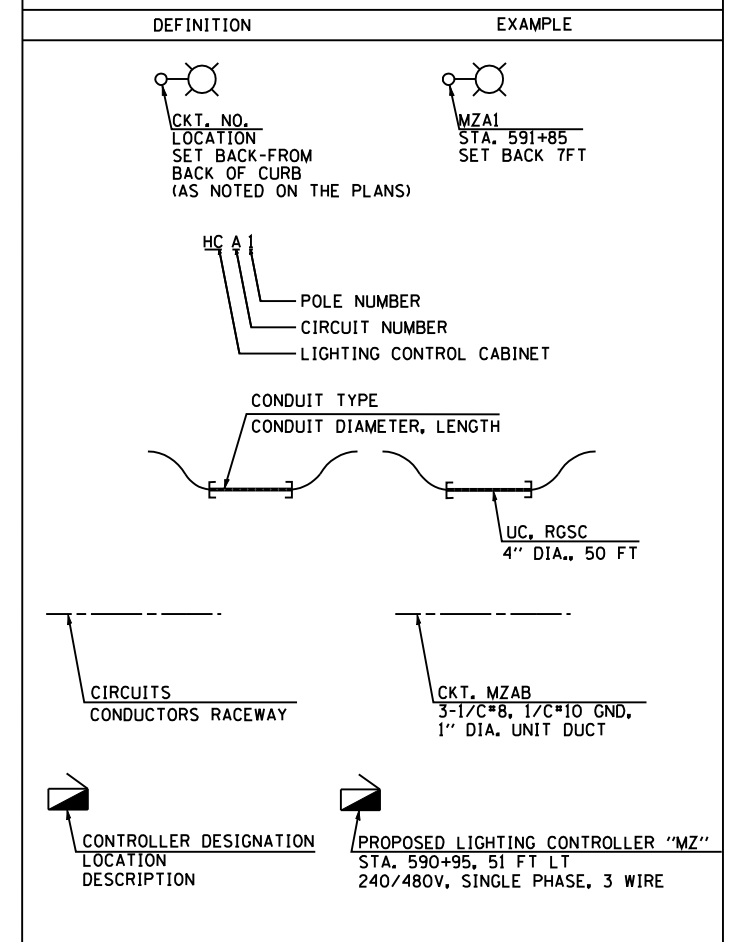
**IDOT ELECTRICAL BILL OF MATERIALS**

ITEM	UNIT	QUANTITY
ELECTRIC SERVICE INSTALLATION	EACH	3
ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	2253
CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL	FOOT	1103
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	463
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	14
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	20
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 16" X 14" X 6"	EACH	2
UNIT DUCT, 600V, 3-1/C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	3616
UNIT DUCT, 600V, 3-1/C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	33129
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	4557
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	105
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C 350 MCM	FOOT	150
AERIAL CABLE, 3-1/C NO. 4 WITH MESSENGER WIRE	FOOT	7273
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	172
UNDERPASS LUMINAIRE, 70 WATT, HIGH PRESSURE SODIUM VAPOR	EACH	6
UNDERPASS LUMINAIRE, 100 WATT, HIGH PRESSURE SODIUM VAPOR	EACH	8
LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 100AMP	EACH	1
LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 6 FT. DAVIT ARM	EACH	2
LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 10 FT. DAVIT ARM	EACH	104
LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. DAVIT ARM	EACH	19
LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 2-6 FT. DAVIT ARMS	EACH	5
LIGHT POLE, WOOD, 60 FOOT, CLASS 4, WITH 15FT MAST ARM	EACH	30
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	1200
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	126
REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	51
REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	25
REMOVAL OF POLE FOUNDATION	EACH	19
REMOVAL OF LIGHTING CONTROLLER	EACH	1
REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1
REMOVE EXISTING HANDHOLE	EACH	2
WOOD POLE, 60 FT, CLASS 4	EACH	1
TEMPORARY LIGHTING CONTROLLER	EACH	1
LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 200AMP (DUAL), RADIO SCADA	EACH	1
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	142
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	11
JUNCTION BOX, NON-METALLIC, EMBEDDED IN STRUCTURE, 12" X 10" X 6"	EACH	4
LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 2-15 FT. DAVIT ARMS	EACH	1
LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 2-10 FT. DAVIT ARMS	EACH	2

**GENERAL NOTES:**

- BREAKAWAY DEVICE, TRANSFORMER BASE, 9", FOR 47.5' LIGHT POLES SHALL BE INSTALLED ON ALL GROUND MOUNTED POLES WITH 15" BOLT CIRCLE ON 24" DIA. FOUNDATION AS SHOWN IN THE PLANS.
- 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.
- SETBACKS ARE MEASURED FROM EDGE OF TRAVELED PAVEMENT TO CENTER OF POLE.
- OFFSETS FOR TEMPORARY LIGHT POLES ARE MEASURED TO CENTER OF WOOD POLE.
- REMOVAL OF SIGN LIGHTING (INCLUDING ALL ASSOCIATED CONDUIT, WIRE, JUNCTION BOXES, AND HARDWARE) FOR OVERHEAD SIGN STRUCTURES TO BE REMOVED IS INCLUDED IN THE PRICE OF THE SIGN STRUCTURE REMOVAL.

**CALL-OUT SAMPLES**



**ABBREVIATIONS**

ABBREVIATION	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
D.A.	DAVIT ARM
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
LP	LIGHT POLE
M	METER
M.A.	MAST ARM
M.H.	MOUNTING HEIGHT
NO. #	NUMBER
RGSC	RIGID GALVANIZED STEEL CONDUIT
STA	STATION
T	TEMPORARY LIGHTING UNIT
TB	TRANSFORMER BASE
TMP	TEMPORARY
UC	UNDERGROUND CONDUIT
UD	UNIT DUCT
WP	WOOD POLE
XFMR	TRANSFORMER

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

FILE NAME	USER NAME = rsonson	DESIGNED - RAS	REVISED -
		DRAWN - BHH	REVISED -
	PLOT SCALE = NONE 1/4 IN.	CHECKED - MKR	REVISED -
	PLOT DATE = 6/18/2012	DATE - 6/19/2012	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IDOT LIGHTING GENERAL NOTES AND LEGEND  
I-94 FROM ROSECRANS RD TO STATE LINE**

SCALE: NONE SHEET NO. 1 OF 53 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	49-1-R-1	LAKE	677	361
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60L77	