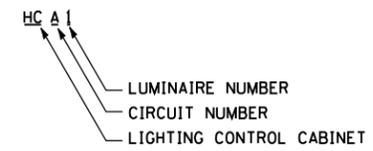


LIGHTING LEGEND

-  PROPOSED LIGHTING UNIT
47.5' M.H., 15' DAVIT ARM, WITH 400W, 240V HPS LUMINAIRE, TYPE III
6 AMP FUSE
-  PROPOSED LIGHTING UNIT
47.5' M.H., 15' DAVIT ARM, WITH 400W, 240V HPS LUMINAIRE, TYPE II
6 AMP FUSE
-  PROPOSED DUAL ARM LIGHTING UNIT
47.5' M.H., DUAL 10' DAVIT ARMS, WITH 400W, 240V HPS LUMINAIRES, TYPE III, 6 AMP
FUSE
-  PROPOSED LIGHTING UNIT
47.5' M.H., 6' DAVIT ARM, WITH 400W, 240V HPS LUMINAIRE, TYPE III (U.N.O.),
6 AMP FUSE
-  TEMPORARY LIGHTING UNIT
50' M.H. (U.N.O.), 15' MAST ARM, WITH 400W, 240V
TEMPORARY HPS LUMINAIRE, TYPE III, 6 AMP FUSE
-  EXISTING LIGHTING UNIT TO BE REMOVED
-  EXISTING TEMPORARY LIGHTING UNIT FROM PREVIOUS CONTRACT
TO BE REMOVED AT CONCLUSION OF THIS CONTRACT
-  EXISTING LIGHTING UNIT TO REMAIN
-  EXISTING CDOT TWIN ARM LIGHTING UNIT
TO BE REMOVED
-  RIGID GALVANIZED STEEL CONDUIT (RGC)
SIZE AS INDICATED
-  EXISTING UNIT DUCT
-  UNIT DUCT, AS SPECIFIED IN PLANS
-  AERIAL CABLE, 3-1/C NO.2 WITH MESSENGER WIRE (U.N.O.)
-  EXISTING AERIAL CABLE FROM PREVIOUS CONTRACT
-  PROPOSED LIGHTING CONTROLLER CABINET,
240/480V, SINGLE PHASE, 3 WIRE
-  EXISTING LIGHTING CONTROLLER CABINET
-  PROPOSED UNDERPASS LUMINAIRE
SIZE AND TYPE PER PLANS
-  EXISTING UNDERPASS LUMINAIRE
TO BE REMOVED
-  WOOD POLE, 60 FOOT, CLASS 4 (U.N.O.)
-  EXISTING ELECTRIC SERVICE LOCATION
-  GROUND ROD, 5/8" x 10'
-  JUNCTION BOX, SIZE AND TYPE AS NOTED

CALL OUT LEGEND:



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
DJA	DIAMETER
DMS	DIGITAL MESSAGE SIGN
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
TC	TRIPLEXED CABLE
TMP	TEMPORARY
UD	UNIT DUCT
U.N.O.	UNLESS NOTED OTHERWISE
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. GROUND RODS ARE INCLUDED IN THE COST OF THE ITEM FOR WHICH THEY ARE INSTALLED, INCLUDING WOOD LIGHT POLES.
5. IN AREAS WHERE NO TEMPORARY LIGHTING IS PROVIDED (AREAS WHERE ROADWAY WORK IS LIMITED TO RESURFACING OR NO ROADWAY WORK IS PROPOSED), EXISTING LIGHTING SHALL REMAIN IN OPERATION UNTIL THE PROPOSED LIGHTING IS ACTIVATED.
6. THE CONTRACTOR SHALL COORDINATE THE REMOVAL/INSTALLATION OF LIGHTING EQUIPMENT WITH THE CONSTRUCTION STAGING SO THAT AT NO TIME THE ROADWAY IS LEFT UNLIT.
7. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL DETAILS ASSOCIATED WITH BRIDGE MOUNTED LIGHTING.
8. LOCATIONS OF LIGHTING CONDUITS AND FOUNDATIONS IN CLOSE PROXIMITY TO EXISTING CHICAGO DEPARTMENT OF WATER MANAGEMENT FACILITIES MUST BE COORDINATED IN THE FIELD WITH A DEPARTMENT OF WATER MANAGEMENT REPRESENTATIVE. ALL EXCAVATION IN THESE LOCATIONS MUST BE PERFORMED BY HAND.
9. 20" x 13" x 12" NON-METALLIC JUNCTION BOXES EMBEDDED IN STRUCTURE WILL BE PAID FOR AS "JUNCTION BOX (SPECIAL)." 21" x 11" x 8" NON-METALLIC JUNCTION BOXES EMBEDDED IN STRUCTURE WILL BE PAID FOR AS "JUNCTION BOX, EMBEDDED IN STRUCTURE, SPECIAL."
10. SETBACKS FOR PROPOSED LIGHT POLES ARE MEASURED FROM CENTER OF POLE TO EDGE OF TRAVELED PAVEMENT.

LIGHTING BILL OF MATERIALS

ITEM	UNIT	QUANTITY
ELECTRIC SERVICE INSTALLATION	EACH	3
ELECTRIC UTILITY SERVICE CONNECTION	L SUM	0.5
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	2799
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	115
CONDUIT ATTACHED TO STRUCTURE, 1" DIA., GALVANIZED STEEL	FOOT	355
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	941
CONDUIT EMBEDDED IN STRUCTURE, 4" DIA., PVC	FOOT	3520
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 4" X 4" X 3"	EACH	16
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	30063
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1136
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	2020
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	6060
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C 350 MCM	FOOT	2493
AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE	FOOT	12475
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	176
LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 6 FT. DAVIT ARM	EACH	5
LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. DAVIT ARM	EACH	137
LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 2-10 FT. DAVIT ARMS	EACH	17
LIGHT POLE, WOOD, 60 FOOT, CLASS 4, WITH 15FT MAST ARM	EACH	53
LIGHT POLE, WOOD, 90 FOOT, CLASS 3, WITH 15FT MAST ARM	EACH	2
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	1463
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	137
REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	70
REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	152
REMOVAL OF POLE FOUNDATION	EACH	152
REMOVAL OF LIGHTING CONTROLLER	EACH	3
REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	3
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	350
CABLE IN CONDUIT, TRIPLEX, 2-1/C NO. 6 AND 1-1/C NO. 8 GROUND	FOOT	225
WOOD POLE, 60 FT, CLASS 4	EACH	4
JUNCTION BOX (SPECIAL)	EACH	2
JUNCTION BOX EMBEDDED IN STRUCTURE, SPECIAL	EACH	8
TEMPORARY LUMINAIRE, HIGH PRESSURE SODIUM VAPOR, 400 WATT	EACH	55
LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 200AMP (DUAL), RADIO SCADA	EACH	3
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	176
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	14
UNDERPASS LUMINAIRE, 90 WATT, CERAMIC METAL HALIDE	EACH	16

••: TOTAL CONSISTS OF 48 TYPE II LUMINAIRES AND 128 TYPE III LUMINAIRES

FILE NAME :	USER NAME = rswanson	DESIGNED - JWJ	REVISED -
		DRAWN - BHH	REVISED -
	PLOT SCALE = 50.0000' / IN.	CHECKED - MKR	REVISED -
	PLOT DATE = 5/3/2013	DATE - 3/29/13	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIGHTING GENERAL NOTES, LEGEND, AND SCHEDULE OF QUANTITIES
STONY ISLAND EXTENSION

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	279
			CONTRACT NO. 60J12	
ILLINOIS FED. AID PROJECT				

LT-01

S:\Projects\3810 Stony Island Feeder - BBA\Project Work\CADD Sheets\016012-akt-light-01.dgn