

ABBREVIATIONS	
ABBREVIATION	DESCRIPTION
AC	ALTERNATING CURRENT
A/C	AERIAL CABLE
B.O.C.	BACK OF CURB
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CM	CENTIMETER
CP	CONTROL PANEL
CT	CURRENT TRANSFORMER
DA	DAVIT ARM
DC	DIRECT CURRENT
DIA	DIAMETER
DP	DISTRIBUTION PANEL
E	EXISTING UNIT TO REMAIN
ECA	ELECTRIC CABLE ASSEMBLY
E.O.P.	EDGE OF PAVEMENT
FT	FEET OR FOOT
FU	FUSE
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATTS
M	METER
MA	MAST ARM
MC	MULTI-CONDUCTOR
MM	MILLIMETER
M.H.	MOUNTING HEIGHT
MW	MESSENGER WIRE
NO. #	NUMBER
N.T.S.	NOT TO SCALE
P	PROPOSED
PB	PUSH BUTTON
PNL	PANEL
PVC	POLYVINYL CHLORIDE
PVCC	PVC COATED RIGID GALVANIZED CONDUIT
RGC	RIGID GALVANIZED CONDUIT
PT	POTENTIAL TRANSFORMER
R	EXISTING UNIT TO BE REMOVED (OWNER SALVAGED U.N.O.)
EX. ROW	EXISTING RIGHT OF WAY
RR	EXISTING UNIT TO BE REMOVED AND REINSTALLED
RECP	RECEPTACLE
RGC	RIGID GALVANIZED CONDUIT
SEL SW	SELECTOR SWITCH
SPARE	SPARE
SPACE	SPACE
SS	STAINLESS STEEL
STA	STATION
T/F	TOP OF FOUNDATION
UD	UNIT DUCT
U.N.O.	UNLESS NOTED OTHERWISE
UGC, GS	UNDERGROUND CONDUIT, GALVANIZED STEEL
WP	WOOD POLE
XFMR	TRANSFORMER
HPS	HIGH PRESSURE SODIUM
LPS	LOW PRESSURE SODIUM
LTFM	LIQUID TIGHT FLEXIBLE METALLIC

LIGHTING AND ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
	EXISTING LIGHT UNIT TO BE REMOVED AND RELOCATED
	EXISTING LIGHTING UNIT TO REMAIN
	EXISTING LIGHTING CONTROLLER, TO REMAIN
	EXISTING UNIT DUCT, TO REMAIN
	EXISTING UNDERGROUND UNIT DUCT TO BE ABANDONED
	TEMPORARY LIGHT POLE, WOOD, 60 FT., CLASS 4, WITH 15' MAST ARM AND 400 WATT HPS TYPE M-C-III COBRAHEAD LUMINAIRE.
	TEMPORARY WOOD POLE, 40 FT., CLASS 4
	PROPOSED LIGHTING UNIT MOUNTED ON BREAKAWAY TRANSFORMER BASE, 47.5FT M.H., 400W HPS TYPE M-C-III COBRAHEAD LUMINAIRE MOUNTED ON 15FT MAST ARM U.N.O.
	LIGHTING UNIT, TO BE REINSTALLED
	PROPOSED LIGHTING CONTROLLER, 240/480 VOLT, 10, 3 WIRE
	PROPOSED UTILITY SERVICE CONNECTION, POLE MOUNTED
	PROPOSED UNIT DUCT, SIZE AND TYPE AS NOTED
	PROPOSED CABLE OR UNIT DUCT IN EXPOSED OR EMBEDDED CONDUIT, SIZE AND TYPE AS NOTED
	PROPOSED CABLE OR UNIT DUCT IN UNDERGROUND CONDUIT, SIZE AND TYPE AS NOTED
	PROPOSED AERIAL LIGHTING CABLE WITH MESSENGER WIRE
	ELECTRIC GROUND ROD
	GUY WIRE

GENERAL NOTES

1. THE ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST CODES, STANDARDS AND THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2012, AND SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR FULL MAINTENANCE OF THE EXISTING LIGHTING SYSTEM, AS DESCRIBED IN SPECIAL PROVISION "MAINTENANCE OF LIGHTING SYSTEM."

ROADWAY LIGHTING - BILL OF MATERIALS

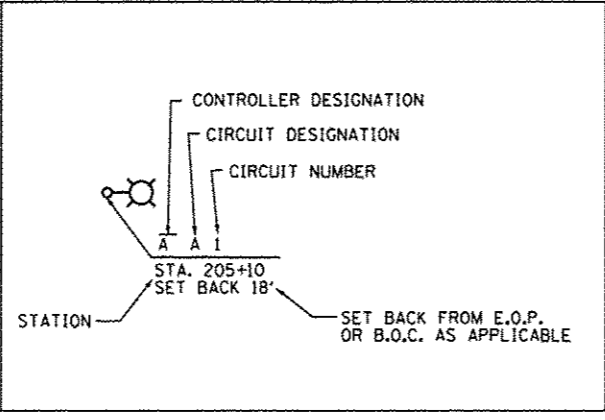
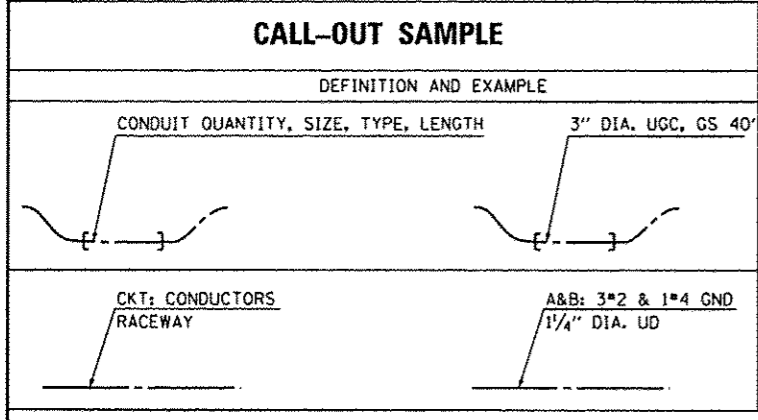
ITEM	UNIT	TOTAL QUANTITY
ELECTRIC SERVICE INSTALLATION	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	881
UNIT DUCT, 600V, 3-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	4644
AERIAL CABLE, 3-1/C NO.6 WITH MESSENGER WIRE	FOOT	2090
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	6
LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 200AMP (DUAL)	EACH	1
LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. MAST ARM	EACH	4
LIGHT POLE, WOOD, 60 FT. CLASS 4, WITH 15' MA	EACH	8
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	120
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	12
REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	8
REMOVAL OF POLE FOUNDATION	EACH	8
RELOCATE EXISTING LIGHTING UNIT	EACH	8
REMOVAL OF LIGHTING CONTROLLER	EACH	1
REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1
TEMPORARY LUMINAIRE, HIGH PRESSURE SODIUM VAPOR, 400 WATT HPS	EACH	9
TEMPORARY WOOD POLE, 40 FT., CLASS 4	EACH	2
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	6
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	4

IDOT-D1 STANDARDS:

STANDARD NO.	TITLE
BE-205A	LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 200AMP (DUAL) RADIO SCADA
BE-205B	LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 200AMP (DUAL) RADIO SCADA
BE-205C	LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 200AMP (DUAL) RADIO SCADA
BE-205D	LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 200AMP (DUAL) RADIO SCADA
BE-220	ELECTRIC SERVICE INSTALLATION AERIAL, REMOTE DISCONNECT
BE-301	LIGHT POLE FOUNDATION, CONCRETE, >=35 FT. M.H. (15" B.C.)
BE-400	LIGHT POLE, ALUMINUM, TRUSS TYPE, 47.5 FT. M.H.
BE-701	LUMINAIRE SAFETY CABLE ASSEMBLY
BE-702	MISC. ELECTRICAL DETAILS SHEET A
BE-800	TEMPORARY LIGHTING
BE-801	TEMPORARY AERIAL CABLE INSTALLATION

INDEX OF DRAWINGS:

DRAWING NO.	TITLE
E-1	LEGEND, ABBREVIATIONS, GENERAL NOTES, INDEX OF DRAWINGS, AND SCHEDULE OF QUANTITIES
E-2	EXISTING LIGHTING REMOVAL AND TEMPORARY LIGHTING PLANS
E-3	EXISTING LIGHTING REMOVAL AND TEMPORARY LIGHTING PLANS
E-4	PROPOSED LIGHTING PLANS (SHEET 1 OF 2)
E-5	PROPOSED LIGHTING PLANS (SHEET 2 OF 2)
E-6	LIGHTING CONTROLLER "M" WIRING DIAGRAM
E-7	EXISTING FIBER OPTIC UTILITIES (SHEET 1 OF 2)
E-8	EXISTING FIBER OPTIC UTILITIES (SHEET 2 OF 2)



SINGH SINGH & ASSOCIATES, INC. CONSULTING ENGINEERS	USER NAME = USER	DESIGNED = RP/DJ	REVISED =
	FILE NAME = D162W13-ant-light-01.dgn	DRAWN = RP/DJ	REVISED =
	PLOT SCALE = 5/8"=1'-0"	CHECKED = MK	REVISED =
	PLOT DATE = 12/17/2013	DATE = 12/17/2013	REVISED =

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LEGEND, ABBREVIATIONS, GENERAL NOTES, AND INDEX OF DRAWINGS

SCALE: 1"=200' SHEET 1 OF 8 SHEETS STA. TO STA.

F.A.P. RTE. 575	SECTION 14-N	COUNTY WILL	TOTAL SHEETS 163	SHEET NO. 94
CONTRACT NO. 60W13				
ILLINOIS FED. AID PROJECT				