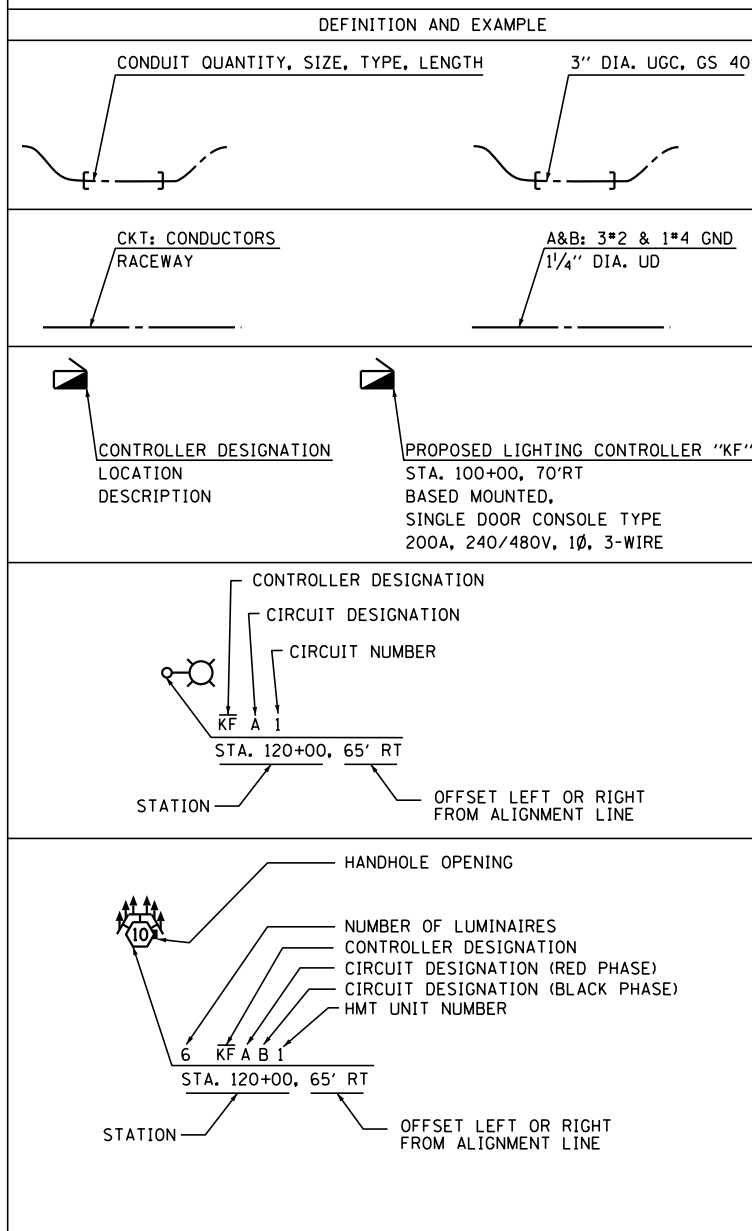


LIGHTING AND ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	EXISTING HIGH MAST LIGHTING TOWER UNIT TO BE REMOVED, 100FT, 750W HPS LUMINAIRES, ARROWS INDICATE QUANTITY AND ORIENTATION OF LUMINAIRES
	EXISTING UNDERPASS LUMINAIRE TO BE REMOVED
	EXISTING PEDESTAL MOUNTED LIGHTING CONTROLLER, TO BE REMOVED
	EXISTING UTILITY SERVICE CONNECTION, POLE MOUNTED
	EXISTING ELECTRIC UTILITY POLE
	EXISTING JUNCTION BOX
	EXISTING CONDUIT TO BE REMOVED
	EXISTING UNDERGROUND UNIT DUCT TO BE ABANDONED
	PROPOSED HIGH MAST LIGHTING TOWER UNIT, 100FT, 400W HPS TYPE M-C-III LUMINAIRES, ARROWS INDICATE QUANTITY AND ORIENTATION OF LUMINAIRES
	PROPOSED LIGHTING UNIT MOUNTED ON BREAKAWAY TRANSFORMER BASE, 47.5FT M.H., 400W HPS TYPE M-C-III COBRAHEAD LUMINAIRE MOUNTED ON 10FT DAVIT ARM U.N.O.
	PROPOSED STRUCTURE MOUNTED LIGHTING UNIT, 47.5FT M.H., 400W HPS TYPE M-C-III COBRAHEAD LUMINAIRE MOUNTED ON 8FT DAVIT ARM U.N.O.
	PROPOSED UNDERPASS LUMINAIRE, SUSPENDED MOUNT, 70W HPS TYPE M-C-III
	PROPOSED LIGHTING CONTROLLER, SIZE AND TYPE AS NOTED
	PROPOSED UTILITY SERVICE CONNECTION, POLE MOUNTED
	PROPOSED ELECTRIC UTILITY POLE
	PROPOSED JUNCTION BOX, SIZE AND TYPE AS NOTED
	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
	CONDUIT TURNED UP
	CONDUIT TURNED DOWN

CALL-OUT SAMPLE



INDEX OF DRAWINGS:

DRAWING NO.	TITLE
L-1	LEGEND, ABBREVIATION, GENERAL NOTES, AND INDEX OF DRAWINGS
L-2	SCHEDULE OF LIGHTING AND ELECTRICAL QUANTITIES
L-3	EXISTING LIGHTING REMOVAL AND TEMPORARY LIGHTING PLANS
L-4	PROPOSED LIGHTING PLANS (SHEET 1 OF 6)
L-5	PROPOSED LIGHTING PLANS (SHEET 2 OF 6)
L-6	PROPOSED LIGHTING PLANS (SHEET 3 OF 6)
L-7	PROPOSED LIGHTING PLANS (SHEET 4 OF 6)
L-8	PROPOSED LIGHTING PLANS (SHEET 5 OF 6)
L-9	PROPOSED LIGHTING PLANS (SHEET 6 OF 6)
L-10	UNDERPASS LIGHTING PLAN
L-11	LIGHTING CONTROLLER "KF" WIRING DIAGRAM
L-12	CONDUIT TRANSITION DETAILS
L-13	UNDERPASS LUMINAIRE MOUNTING DETAILS
L-14	HIGH MAST TOWER PAD DETAIL- TYPE A
L-15	HIGH MAST TOWER PAD DETAIL- TYPE B

ABBREVIATIONS

ABBREVIATION	DESCRIPTION
AC	ALTERNATING CURRENT
A/C	AERIAL CABLE
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
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 RGC	PVC COATED RIGID GALVANIZED CONDUIT
PT	POTENTIAL TRANSFORMER
R	EXISTING UNIT TO BE REMOVED (OWNER SALVAGED U.N.O.)
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
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

GENERAL NOTES

- 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.
- CONTRACTOR SHALL INSTALL CONDUIT EXPANSION/DEFLECTION COUPLING AT STRUCTURE JOINTS AS NEEDED PER IDOT-D1 STANDARD DRAWING NO. BE-703 AT NO ADDITIONAL COST.
- FOR LIGHT POLE AND HIGH MAST TOWER FOUNDATIONS, THE ENGINEER SHALL DETERMINE THE CLASS OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE GIVEN IN THE IDOT-01 STANDARD DETAILS BE301 AND BE501.

IDOT-D1 STANDARDS:

DRAWING NO.	STANDARD NO.	TITLE
L-16	BE-215	LIGHTING CONTROLLER SINGLE DOOR
L-17	BE-220	ELECTRIC SERVICE INSTALLATION AERIAL, REMOTE DISCONNECT
L-18	BE-301	LIGHT POLE FOUNDATION 40' (12.192 m) TO 47 1/2' (14.478 m) M.H. 15" (381 mm) BOLT CIRCLE
L-19	BE-410	DAVIT LIGHT POLE 47'-6" (14.478 m) MOUNTING HEIGHT
L-20,21,22	BE-500	HIGH MAST LIGHT TOWER 90 FT TO 110 FT (27 m TO 34 m) (3 SHEETS)
L-23,24	BE-501	HIGH MAST LIGHT TOWER 90 FT TO 110 FT (27 m TO 34 m) FOUNDATION DETAIL (2 SHEETS)
L-25	BE-702	MISC. ELECTRICAL DETAILS SHEET A
L-26	BE-703	MISCELLANEOUS ELECTRICAL DETAILS, SHEET B
L-27	BE-900	J BOX EMBEDDED IN BARRIER WALL - INSTALLATION OF CONDUIT IN BRIDGE PARAPET EXPANSION JOINT - ELECTRIC CONNECTION TO UNDERPASS LIGHTING SUSPENDED MOUNT UNDERPASS LUMINAIRE INSTALLATION DETAILS



Exp: 11/30/2013
Gregory Kelly
LIGHTING SHEETS L-1 TO L-27

J:\265\cdgn\Sheets\106033-sh1-light-01.dgn 6/26/2012 11:26:06 AM



USER NAME = kprejapati	DESIGNED - KP	REVISED -
	DRAWN - WC/RP	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED - GR	REVISED -
PLOT DATE = 6/26/2012	DATE - 06/15/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 30 AT IL ROUTE 31
LEGEND, ABBREVIATION, GENERAL NOTES, AND INDEX OF DRAWINGS
SCALE: N.T.S. SHEET NO. 1 OF 27 SHEETS STA. ----- TO STA. -----

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	(10 & 11 VB) R-3	*	507	195
* KANE AND KENDALL			CONTRACT NO. 60133	
ILLINOIS FED. AID PROJECT				