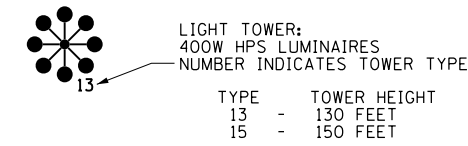
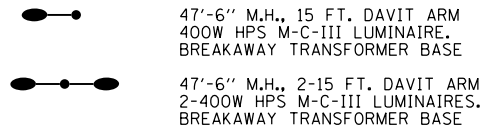


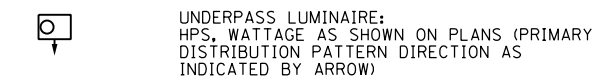
ELECTRICAL SYMBOLS FOR PROPOSED WORK



LIGHTING UNIT: TYPE AS INDICATED



TEMPORARY LUMINAIRE AND POLE



MANHOLE

ELECTRIC HANDHOLE: TYPE AS INDICATED

TYPE E1: PRECAST CONCRETE, 21.5"x21.5"x30", IDOT STANDARD 814001

TYPE E2: PRECAST CONCRETE-HEAVY DUTY, 22"x22"x30", IDOT STANDARD 814001

TYPE C1: COMMUNICATIONS VAULT, 49 5/8"x32 1/8"x57"

TYPE S1: PRECAST CONCRETE-HEAVY DUTY, 22"x22"x36"

TYPE S2: PRECAST CONCRETE-HEAVY DUTY SPECIAL, 30"x30"x36"

JUNCTION BOX: TYPE AND SIZE AS INDICATED ON PLANS

PULL BOX: TYPE AND SIZE AS INDICATED ON PLANS

TELEPHONE CONNECTION

FIBER OPTIC COMMUNICATIONS HUT



EXISTING LIGHTING UNIT, TWIN LUMINAIRE

EXISTING LIGHTING UNIT

EXISTING TEMPORARY LIGHTING UNIT

EXISTING CDOT LIGHTING UNIT

EXISTING UNDERPASS LUMINAIRE

EXISTING ELECTRIC MANHOLE

EXISTING ELECTRIC HANDHOLE

EXISTING JUNCTION BOX

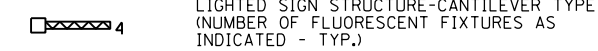
EXISTING PULL BOX

EXISTING TELEPHONE CONNECTION

EXISTING FIBER OPTIC COMMUNICATIONS HUT

EXISTING ELECTRIC HANDHOLE/MANHOLE

EXISTING CDOT SURVEILLANCE CABINET



LIGHTED SIGN STRUCTURE-TRUSS TYPE

LIGHTED SIGN STRUCTURE-BRIDGE MOUNT TYPE

DYNAMIC MESSAGE SIGN

FLASHING BEACON SIGN

CLOSED CIRCUIT TELEVISION CAMERA

MICROWAVE DETECTOR

DETECTOR LOOP

CONTROLLER CABINET: LIGHTING, RADIO CONTROL DUPLEX TYPE WITH SCADA (DOOR SIDE AS INDICATED)

CONTROLLER CABINET: SURVEILLANCE

CONTROLLER CABINET: SURVEILLANCE, TYPE 334

RAMP METER SIGNAL POLE/HEAD

RAMP METER FLASHER POST

TEMPORARY WOOD POLE, 60 FOOT LENGTH UNLESS NOTED OTHERWISE

HIGHWAY ADVISORY RADIO ANTENNA

ELECTRIC UTILITY POLE

CCTV CAMERA POLE

POLE MOUNTED ELECTRIC UTILITY TRANSFORMER(S)

ELECTRICAL SYMBOLS FOR EXISTING CONDITIONS

EXISTING CDOT ELECTRIC HANDHOLE/MANHOLE

EXISTING LIGHTED SIGN STRUCTURE-CANTILEVER TYPE

EXISTING LIGHTED SIGN STRUCTURE-TRUSS TYPE

EXISTING LIGHTED SIGN STRUCTURE-BRIDGE MOUNT TYPE

EXISTING DYNAMIC MESSAGE SIGN

EXISTING FLASHING BEACON SIGN

EXISTING CLOSED CIRCUIT TELEVISION CAMERA

EXISTING MICROWAVE DETECTOR

EXISTING DETECTOR LOOP

EXISTING LIGHTING CONTROLLER, DUPLEX

EXISTING CONTROLLER CABINET

EXISTING RAMP METER SIGNAL POLE/HEAD

PAD MOUNTED ELECTRIC UTILITY TRANSFORMER

GROUND ROD

MAIN SERVICE FUSED DISCONNECT SWITCH (RATING AS INDICATED)

PHOTOCELL

AERIAL CABLE

FLEXIBLE CONDUIT

RACEWAY EMBEDDED IN STRUCTURE

EXPOSED CONDUIT

RACEWAY OR DIRECT BURIAL CABLE UNDERGROUND WITHOUT ENCASEMENT

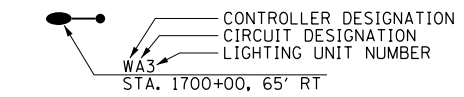
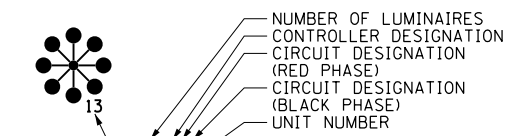
RIGID GALVANIZED STEEL CONDUIT SLEEVE, INSTALLED BELOW PAVEMENT

UNDERGROUND REINFORCED CONCRETE ENCASED CONDUIT DUCTBANK, UNLESS NOTED OTHERWISE. (NUMBER, TYPE, AND SIZE OF DUCTS AS SHOWN)

CONDUIT TURNED DOWN

CONDUIT TURNED UP

GENERAL ELECTRICAL CALLOUTS



CKTS. C&D: 3*2, 1#4 GND, 1 1/4" UD

4" RGC CONDUIT SLEEVE BELOW PAVEMENT

HANDHOLE NUMBER, TYPE DESIGNATION, HHXX TYPE E1

JB, SS, 18"x18"x8" ATS

CONDUIT-SPARE, CONDUIT WITH CABLE OR UNITDUCT, DUCTBANK LENGTH, 150LF

FIBER OPTIC START LOCATION, END LOCATION, FO O1 CO1 - CABLE DESIGNATOR

NN SHELTER NUMBER, C CCTV CAMERA, H HAR, V VEHICLE DETECTOR, R RAMP METER, S DYNAMIC MESSAGE SIGN

4 SM, 1-4 FIBER COUNT, SINGLE MODE, NUMBER OF FIBERS

NUMBER OF LUMINAIRES, CONTROLLER DESIGNATION, SIGN STRUCTURE NUMBER

PROPOSED IDOT CONTROLLER "U", STA. 1528+10, 160LT

TYPICAL EXISTING TO BE REMOVED SYMBOLS

EXISTING LIGHTING UNIT TO BE REMOVED

EXISTING UNDERPASS LUMINAIRE TO BE REMOVED

EXISTING JUNCTION BOX TO BE REMOVED

EXISTING LIGHTED SIGN STRUCTURE-CANTILEVER TYPE TO BE REMOVED

DYNAMIC MESSAGE SIGN TO BE REMOVED

FLASHING BEACON SIGN TO BE REMOVED

EXISTING LIGHTING CONTROLLER, DUPLEX TO BE REMOVED

EXISTING CONTROLLER CABINET TO BE REMOVED

EXISTING DETECTOR LOOP TO BE REMOVED

EXISTING RAMP METER SIGNAL POLE/HEAD TO BE REMOVED

EXISTING RAMP METER FLASHER TO BE REMOVED

EXISTING POLE MOUNTED UTILITY SERVICE CONNECTION TO BE REMOVED

EXISTING LIGHT TOWER, PAD, AND FOUNDATION TO BE REMOVED

FILE PATH = p:\388035\part1\ecommon\me\local\p\AECOM\Documents\01_Americas\Transportation\62629938_Circle\Phase_1\000_CAD\01E_Electrical\Sheets\60W28_Contract\160W28-sht-Light-01



D160W28-sht-Light-01
USER NAME = myersc
PLOT SCALE = 1:8000 / 1"
PLOT DATE = 3/21/2014

DESIGNED - WDS
DRAWN - CAM
CHECKED - WDS
DATE - 03/28/14

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: N.T.S. SHEET 1 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-010R	COOK	747	291
CONTRACT NO. 60W28				
ILLINOIS FED. AID PROJECT				