

ROADWAY ELECTRICAL SYMBOLS	
SYMBOL	DESCRIPTION
	PROPOSED LIGHTING UNIT: 400W, 240V PHASE TO NEUTRAL, HPS LUMINAIRE WITH TYPE III DISTRIBUTION, 45'-2" ALUMINUM POLE SHAFT ON 24" DIAMETER CONCRETE FOUNDATION, 47'-6" MOUNTING HEIGHT, 12'-0" MAST ARM, WITH 5A FUSES, T-BASE AND 20A, 120V GFCI RECEPTACLE, 15'-0" ABOVE THE BASE OF POLE IF INDICATED
	PROPOSED COMBINATION POLE LIGHTING UNIT: 400W, 240V PHASE TO PHASE, HPS LUMINAIRE WITH TYPE III DISTRIBUTION, INSTALLED ON 12'-0" MAST ARM AT 45'-0" MOUNTING HEIGHT, ON POLE AND FOUNDATION SUPPLIED BY THE TRAFFIC SIGNAL CONTRACTOR, WITH 5A FUSES
	RELOCATED LIGHTING UNIT, PROVIDE NEW 250W HPS, 240V, MC-III LUMINAIRE IN PROPOSED LOCATION
	RELOCATED LIGHTING UNIT IN PROPOSED LOCATION
	EXISTING LIGHTING UNIT
	EXISTING COMBINATION POLE LIGHTING UNIT INSTALLED IN AN EARLIER STAGE
	EXISTING LIGHTING UNIT TO BE REMOVED
	EXISTING LIGHTING UNIT TO BE REMOVED AND RELOCATED
	TEMPORARY LIGHTING UNIT: 400W, 240V PHASE TO NEUTRAL, HPS LUMINAIRE WITH TYPE III DISTRIBUTION, 60'-0" CLASS 4 WOOD POLE, 47'-6" MOUNTING HEIGHT, 12'-0" MAST ARM, WITH 5A FUSES
	EXISTING TEMPORARY LIGHTING UNIT TO REMAIN
	EXISTING TEMPORARY LIGHTING UNIT TO BE REMOVED
	UNDERPASS LUMINAIRE, 100 WATT, 240V PHASE TO NEUTRAL, HPS, WITH TYPE III DISTRIBUTION, WALL MOUNTED
	EXISTING PEDESTRIAN LIGHTING UNIT
	EXISTING BOLLARD LIGHTING UNIT
	ELECTRIC JUNCTION BOX, TYPE AND SIZE AS INDICATED
	ELECTRIC HANDHOLE
	GROUND RECEPTACLE

ROADWAY ELECTRICAL SYMBOLS	
SYMBOL	DESCRIPTION
	EXISTING LIGHTING CONTROLLER
	EXISTING COMBINATION LIGHTING CONTROLLER
	EXISTING COMBINATION SERVICE DISCONNECT CABINET, SEE TRAFFIC SIGNAL PLANS
	EXISTING UTILITY SERVICE CONNECTION, POLE MOUNTED TRANSFORMER
	EXISTING UTILITY SERVICE CONNECTION, PAD MOUNTED TRANSFORMER
	PROPOSED LIGHTING CONTROLLER 200A, 240/480V, 1Ø, 3W, SINGLE DOOR, BASE MOUNTED
	PROPOSED COMBINATION LIGHTING CONTROLLER ATTACHED TO TRAFFIC SIGNAL CONTROL CABINET 120/240V, 1Ø, 3W
	PROPOSED COMBINATION LIGHTING AND TRAFFIC SIGNAL SERVICE DISCONNECT CABINET. SEE TRAFFIC SIGNAL PLANS FOR PROPOSED LOCATION
	PROPOSED UTILITY SERVICE CONNECTION, POLE MOUNTED TRANSFORMER
	PROPOSED UTILITY SERVICE CONNECTION, PAD MOUNTED TRANSFORMER
	TEMPORARY WOOD POLE, 60' CLASS 4
	ELECTRIC UTILITY POLE
	ELECTRIC GROUND ROD
	ELECTRIC SERVICE WEATHERHEAD
	EXPOSED CONDUIT
	DIRECT BURIED CABLE, UNIT DUCT, OR RACEWAY
	EXISTING DIRECT BURIED CABLE, UNIT DUCT, OR RACEWAY TO REMAIN
	EXISTING CONDUIT EXPOSED
	EXISTING DIRECT BURIED CABLE, UNIT DUCT, OR RACEWAY TO BE ABANDONED (SEE GENERAL NOTE 1, DRAWING GE-2)
	AERIAL ELECTRIC CABLE
	EXISTING AERIAL ELECTRIC CABLE
	EXISTING AERIAL ELECTRIC CABLE TO BE REMOVED
	CONCEALED CONDUIT IN STRUCTURE
	UNDERGROUND CONDUIT SLEEVE
	CONDUIT TURNED UP
	CONDUIT TURNED DOWN
	LIQUID TIGHT FLEXIBLE METAL CONDUIT

CALL-OUT SAMPLES	
DEFINITION	EXAMPLE
<p>CONDUIT QUANTITY, SIZE, TYPE, LENGTH</p> <p>4" RGC, 40'</p>	<p>1/4" UD, 3-1/2" #6 & 1/2" #8 GND (LIGHTING) 1/2" UD, 3-1/2" #2 & 1/2" #4 GND (RECEPTACLES)</p>
<p>CONTROLLER DESIGNATION RATINGS & DESCRIPTION LOCATION</p> <p>WOOD POLE LOCATION</p>	<p>LIGHTING CONTROLLER "C101"</p> <p>200A, 240/480V, 1Ø, 3 WIRE STA. 188+40, 70 RT</p>
<p>CONTROLLER.CIRCUIT.LIGHT (RECEPTACLE CIRCUIT #) STA. #, OFFSET</p> <p>CONTROLLER.CIRCUIT.LIGHT # (RECEPTACLE CIRCUIT #) STA. #, OFFSET</p>	<p>C101.A.2 (RECP R1)</p> <p>STA. 183+73, 58.7 RT</p>
<p>CONTROLLER.CIRCUIT.POLE # STA. #, OFFSET</p> <p>CONTROLLER.CIRCUIT.POLE # STA. #, OFFSET</p>	<p>T102.A.9</p> <p>STA. 227+22, 56.4 LT</p>
<p>POLE SETBACK: LIGHT POLE SETBACK IS MEASURED FROM FACE OF CURB TO CENTER OF POLE</p> <p>POLE OFFSET: LIGHT POLE OFFSET IS MEASURED FROM ROADWAY CENTERLINE TO CENTER OF TEMPORARY POLE</p>	

ABBREVIATIONS	
ABBREVIATION	DESCRIPTION
AC	ALTERNATING CURRENT
A/C	AERIAL CABLE
A.D.A.	AMERICANS WITH DISABILITIES ACT
AFG	ABOVE FINISHED GRADE
A/R	AERIAL CABLE TO BE REMOVED
ATS	ATTACHED TO STRUCTURE
B	BASELINE
BOE	IDOT BUREAU OF ELECTRICITY
CB	CIRCUIT BREAKER
CKT	CIRCUIT
C	CENTERLINE
CLC	COMBINATION LIGHTING CONTROLLER
CM	CENTIMETER
CNC	COILABLE NONMETALLIC CONDUIT
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
EM	EXISTING UNIT TO BE MODIFIED (e.g. NEW LUMINAIRE, BALLAST OR MAST ARM)
EOP	EDGE OF PAVEMENT
ER	EXISTING RELOCATED UNIT IN PROPOSED LOCATION
ET	EXISTING TEMPORARY UNIT TO REMAIN
ETR	EXISTING TEMPORARY RELOCATED UNIT
FT	FEET OR FOOT
FND BW	FOUNDATION BARRIER WALL
FND BW OS	FOUNDATION BARRIER WALL OFFSET
FND CON	FOUNDATION CONCRETE
FND CON OS	FOUNDATION CONCRETE OFFSET
FND MET	FOUNDATION METAL
FND PW	FOUNDATION PARAPET WALL
FU	FUSE
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
HPS	HIGH PRESSURE SODIUM
IDOT	ILLINOIS DEPARTMENT OF TRANSPORTATION
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATTS
LT	LEFT
LTFMC	LIQUIDTIGHT FLEXIBLE METAL CONDUIT
LTG	LIGHTING
M	METER
MA	MAST ARM
MM	MILLIMETER
MTG HT	MOUNTING HEIGHT
MW	MESSANGER WIRE
NO. #	NUMBER
P	PROPOSED
PB	PUSH BUTTON
PH, Ø	PHASE
PNL	PANEL
PVC	POLYVINYL CHLORIDE
PVCC RGC	PVC COATED RIGID GALVANIZED STEEL CONDUIT
PT	POTENTIAL TRANSFORMER
R	EXISTING UNIT TO BE REMOVED (OWNER SALVAGED U.N.O.)
RR	EXISTING UNIT TO BE REMOVED AND RELOCATED
RECP	RECEPTACLE
RGC	RIGID GALVANIZED STEEL CONDUIT
RT	RIGHT
SEL SW	SELECTOR SWITCH
SPARE	SPARE
SPACE	SPACE
SS	STAINLESS STEEL
STA	STATION
STRUCT	STRUCTURE
T	TEMPORARY LIGHTING UNIT
TMP	TEMPORARY
TR	TEMPORARY UNIT TO BE REMOVED, SALVAGE EQUIPMENT AS SPECIFIED
TRR	TEMPORARY UNIT TO BE REMOVED AND RELOCATED
TUR	TEMPORARY UNIT ON UTILITY POLE TO BE REMOVED
TYP.	TYPICAL
UD	UNIT DUCT
U.N.O.	UNLESS NOTED OTHERWISE
WP	WOOD POLE
XFMR	TRANSFORMER

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
D160M61-SHT-E01.dgn	michal_bartusiewicz	MAE	-
		DRAWN -	REVISED -
		MAE	-
		CHECKED -	REVISED -
		DAD	-
SHT.PLAN	PLOT DATE =	DATE -	REVISED -
	3/15/2013	03/13/2013	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 45 (LaGRANGE ROAD)
ELECTRICAL SYMBOL LIST AND ABBREVIATIONS

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-4	COOK	877	412
E-1			CONTRACT NO. 60M61	
ILLINOIS FED. AID PROJECT				