

ROADWAY ELECTRICAL SYMBOL															
SYMBOL	DESCRIPTION														
	EXISTING HIGH MAST TOWER TO REMAIN														
	EXISTING HIGH MAST TOWER TO BE REMOVED														
	PROPOSED HIGH MAST TOWER ARROWS INDICATE QUANTITY AND ORIENTATION OF LUMINAIRES. NUMBER INDICATES TOWER TYPE														
	<table border="1"> <tr> <th>TYPE</th> <th>TOWER HEIGHT</th> </tr> <tr> <td>1</td> <td>30.0m (100ft.)</td> </tr> <tr> <td>2</td> <td>33.5m (110ft.)</td> </tr> <tr> <td>3</td> <td>36.5m (120ft.)</td> </tr> <tr> <td>4</td> <td>40.0m (130ft.)</td> </tr> <tr> <td>5</td> <td>42.5m (140ft.)</td> </tr> <tr> <td>6</td> <td>45.5m (150ft.)</td> </tr> </table>	TYPE	TOWER HEIGHT	1	30.0m (100ft.)	2	33.5m (110ft.)	3	36.5m (120ft.)	4	40.0m (130ft.)	5	42.5m (140ft.)	6	45.5m (150ft.)
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	PROPOSED LIGHTING UNIT														
	PROPOSED LIGHTING UNIT, TWIN ARMS														
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	EXISTING TEMPORARY LIGHTING UNIT TO REMAIN														
	TEMPORARY LIGHTING UNIT WITH TWIN MAST ARM														
	EXPOSED CONDUIT														
	RACEWAY OR DIRECT BURIAL CABLE UNDERGROUND WITHOUT ENCASEMENT														
	EXISTING UNDERGROUND WIRING TO REMAIN														
	EXISTING CONDUIT EXPOSED														
	FLEXIBLE CONDUIT														
	EXISTING UNIT DUCT TO BE ABANDONDED														
	AERIAL ELECTRIC CABLE														
	EXISTING AERIAL ELECTRIC CABLE														
	RACEWAY EMBEDDED IN STRUCTURE														
	RIGID GALVANIZED STEEL CONDUIT SLEEVE, TRENCHED OR PUSHED														
	CONDUIT TURNED DOWN														
	CONDUIT TURNED UP														
	EXISTING UNDERPASS LUMINAIRE														
	UNDERPASS LUMINAIRE														
	ELECTRIC CONNECTION TO SIGN STRUCTURE CANTILEVER SIGN STRUCTURE														
	ELECTRIC CONNECTION TO SIGN STRUCTURE TRUSS TYPE SIGN STRUCTURE														
	ELECTRIC CONNECTION TO SIGN STRUCTURE BRIDGE MOUNTED SIGN STRUCTURE														
	DUCT BANK														

ROADWAY ELECTRICAL SYMBOL	
SYMBOL	DESCRIPTION
	ELECTRIC JUNCTION BOX, TYPE AND SIZE AS INDICATED
	ELECTRIC HANDHOLE
	ELECTRIC PULLBOX
	EXISTING LIGHTING CONTROLLER, DUPLEX
	EXISTING UTILITY SERVICE CONNECTION, POLE MOUNTED
	EXISTING UTILITY SERVICE CONNECTION, PAD MOUNTED
	PROPOSED LIGHTING CONTROLLER, DUPLEX
	PROPOSED UTILITY SERVICE CONNECTION, POLE MOUNTED
	PROPOSED UTILITY SERVICE CONNECTION, PAD MOUNTED
	TEMPORARY WOOD POLE
	ELECTRIC UTILITY POLE
	ELECTRIC GROUND ROD
	ELECTRIC SERVICE WEATHERHEAD
	EXISTING DYNAMIC MESSAGE SIGN
	EXISTING FLASHING BEACON SIGN
	EXISTING CLOSED CIRCUIT TELEVISION CAMERA
	EXISTING MICROWAVE DETECTOR
	EXISTING DETECTOR LOOP
	PROPOSED DYNAMIC MESSAGE SIGN
	PROPOSED FLASHING BEACON SIGN
	PROPOSED CLOSED CIRCUIT TELEVISION CAMERA
	PROPOSED MICROWAVE DETECTOR
	PROPOSED DETECTOR LOOP

CALL-OUT SAMPLES

DEFINITION	EXAMPLE
 CKT. NO. LOCATION	 6 ABC1 STA. 28+169, 48 LT
 TOWER HANDHOLE INDICATOR	
 QUANTITY OF LUMINAIRES	
 LIGHTING CONTROL CABINET	
 CIRCUIT NUMBERS	
 POLE NUMBER	
 CKT. NO. LOCATION MOUNTING HEIGHT (MH) MAST ARM (MA) LUMINAIRE WATTAGE (W)	 CA1 STA. 600+29, 64 LT 14.5M MH, 4.5M MA, 400W
 LIGHTING CONTROL CABINET CIRCUIT NUMBER POLE NUMBER	
 WOOD POLE DESIGNATION LOCATION	 WP 18 STA. 1721+30, 65 RT WP18 - 18.3M POLE HEIGHT WP27 - 27.4M POLE HEIGHT
 CONTROLLER DESIGNATION LOCATION & DESCRIPTION	 LIGHTING CONTROLLER DA STA. 1652+29, 86 LT 240/480 V, 1Ø, 3 WIRE
 CONDUIT QUANTITY, SIZE, TYPE, LENGTH INSTALLATION TYPE PUSHED, TRENCHED	 100MM (4") DIA. RGC, 40' TRENCHED
 CKT: CONDUCTORS RACEWAY	 A&B: 3*4 & 1*6 GND. 30mm (1 1/4") DIA. UNIT DUCT
 NEW OR EXISTING CABLE IN DUCT EMPTY DUCT 120LM DUCT IDENTIFICATION	 CONCRETE ENCASED 100MM DIA. CNC CONDUIT WITH CABLE (TYPICAL, U.N.O.) 120LM 100MM DIA. CNC CONDUIT, SPARE DUCT BANK LENGTH
 SIGN DESIGNATION # OF FLOURESCENT LUMINAIRES	 B-1 6 LUMINAIRES

ABBREVIATIONS

SYMBOL	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
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)
ER	EXISTING RELOCATED UNIT
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
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATTS
M	METER
MA	MAST ARM
MM	MILLIMETER
MH	MOUNTING HEIGHT
NO. #	NUMBER
P	PROPOSED
PB	PUSH BUTTON
PNL	PANEL
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
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
UD	UNIT DUCT
U.N.O.	UNLESS NOTED OTHERWISE
WP	WOOD POLE
XFMR	TRANSFORMER

GE16-1

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (INTERSTATE 80/294)
NAME	DATE	
		ELECTRICAL SYMBOL LIST AND ABBREVIATIONS

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Engineers / Architects