

ROADWAY ELECTRICAL SYMBOL	
SYMBOL	DESCRIPTION
	PROPOSED LIGHTING UNIT: 250W, 240V, HPS LUMINAIRE WITH TYPE III DISTRIBUTION, 37'-8" ALUMINUM POLE SHAFT ON 24" DIAMETER CONCRETE FOUNDATION, 40'-0" MOUNTING HEIGHT, 12'-0" MAST ARM, WITH 5A FUSES AND TRANSFORMER BASE
	EXISTING CITY OF WEST CHICAGO STREET LIGHTING UNIT: 35'-0" MOUNTING HEIGHT, 10'-0" MAST ARM, 250W HPS LUMINAIRE
	EXISTING GOLF COURSE LIGHTING UNIT TO REMAIN
	EXISTING STREET LIGHTING UNIT TO BE REMOVED
	EXISTING GOLF COURSE LIGHTING UNIT TO BE REMOVED AND RELOCATED
	TEMPORARY LIGHTING UNIT: 250W, 240V, HPS LUMINAIRE WITH TYPE III DISTRIBUTION, 50'-0" CLASS 4 WOOD POLE, 40'-0" MOUNTING HEIGHT, 12'-0" MAST ARM, WITH 5A FUSES
	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 REMOVED
	AERIAL ELECTRIC CABLE
	EXISTING AERIAL ELECTRIC CABLE
	EXISTING AERIAL ELECTRIC CABLE TO BE REMOVED
	CONCEALED CONDUIT IN STRUCTURE
	UNDERGROUND CONDUIT
	CONDUIT TURNED UP
	CONDUIT TURNED DOWN
	ELECTRIC JUNCTION BOX, TYPE AND SIZE AS INDICATED
	ELECTRIC HANDHOLE
	EXISTING LIGHTING CONTROLLER
	EXISTING UTILITY SERVICE CONNECTION, POLE MOUNTED
	EXISTING UTILITY SERVICE CONNECTION, PAD MOUNTED
	PROPOSED LIGHTING CONTROLLER
	PROPOSED UTILITY SERVICE CONNECTION, POLE MOUNTED
	PROPOSED UTILITY SERVICE CONNECTION, PAD MOUNTED
	WOOD POLE
	ELECTRIC UTILITY POLE
	ELECTRIC GROUND ROD
	MAIN SERVICE DISCONNECT SWITCH (RATING AS INDICATED)

CALL-OUT SAMPLES	
DEFINITION	EXAMPLE
<p>CONDUIT QUANTITY, SIZE, TYPE, LENGTH</p> <p>4" (100mm) DIA, RGC, 40'</p>	<p>CONDUIT QUANTITY, SIZE, TYPE, LENGTH</p> <p>A&B: 3*4 & 1*6 GND 1/2" DIA. UD</p>
<p>CKT: CONDUCTORS RACEWAY</p> <p>CKT: CONDUCTORS RACEWAY</p>	<p>A&B: 3*4 & 1*6 GND 1/2" DIA. UD</p> <p>A&B: 3*4 & 1*6 GND 1/2" DIA. UD</p>
<p>CONTROLLER DESIGNATION LOCATION & DESCRIPTION</p> <p>GND ROD TYPE</p>	<p>LIGHTING CONTROLLER "T1"</p> <p>LIGHTING CONTROLLER "T1" STA. 1652+29, 86 LT 240/480V, 1Ø, 3 WIRE</p>
<p>GND CABLE SIZE, TYPE (2/0 BARE COPPER FOR CONTROLLERS & 4/0 BARE COPPER FOR BUILDINGS)</p> <p>2/0 BARE COPPER</p>	<p>COPPER CLAD STEEL GND ROD</p> <p>COPPER CLAD STEEL GND ROD</p>
<p>WOOD POLE DESIGNATION LOCATION</p> <p>WP60 - 60FT POLE HEIGHT</p>	<p>WP60</p> <p>WP60 STA. 1721+30, 65 RT</p>
<p>CKT. NO. LOCATION</p> <p>CKT. NO. LOCATION</p>	<p>CA1</p> <p>CA1 STA. 600+29, 64 LT</p>
<p>LIGHTING CONTROL CABINET</p> <p>LIGHTING CONTROL CABINET</p>	<p>CIRCUIT NUMBERS</p> <p>CIRCUIT NUMBERS</p>
<p>POLE NUMBER</p> <p>POLE NUMBER</p>	<p>DISCONNECT TYPE, FUSE SIZE, ENCLOSURE TYPE MOUNTING TYPE</p> <p>DISCONNECT TYPE, FUSE SIZE, ENCLOSURE TYPE MOUNTING TYPE</p>
<p>2-POLE MAIN SERVICE DISCONNECT, 200A FUSE, NEMA 4X ENCLOSURE POLE MOUNTED.</p> <p>2-POLE MAIN SERVICE DISCONNECT, 200A FUSE, NEMA 4X ENCLOSURE POLE MOUNTED.</p>	<p>2-POLE MAIN SERVICE DISCONNECT, 200A FUSE, NEMA 4X ENCLOSURE POLE MOUNTED.</p> <p>2-POLE MAIN SERVICE DISCONNECT, 200A FUSE, NEMA 4X ENCLOSURE POLE MOUNTED.</p>

ABBREVIATIONS	
ABBREVIATION	DESCRIPTION
AC	ALTERNATING CURRENT
A/C	AERIAL CABLE
AFG	ABOVE FINISHED GRADE
A/R	AERIAL CABLE TO BE REMOVED
ATS	ATTACHED TO STRUCTURE
B	BASELINE
BOC	BACK OF CURB
CB	CIRCUIT BREAKER
CKT	CIRCUIT
C	CENTERLINE
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
EM	EXISTING UNIT TO BE MODIFIED (e.g. NEW LUMINAIRE, BALLAST OR MAST ARM)
EOP	EDGE OF PAVEMENT
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
HPS	HIGH PRESSURE SODIUM
IDOT	ILLINOIS DEPARTMENT OF TRANSPORTATION
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATTS
M	METER
MA	MAST ARM
MM	MILLIMETER
MTG HT	MOUNTING HEIGHT
MW	MESSENGER WIRE
NO. #	NUMBER
P	PROPOSED
PB	PUSH BUTTON
PNL	PANEL
PRO.	PROPOSED
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 RELOCATED
RECP	RECEPTACLE
RGC	RIGID GALVANIZED CONDUIT
SEL SW	SELECTOR SWITCH
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
TYP.	TYPICAL
UD	UNIT DUCT
U.N.O.	UNLESS NOTED OTHERWISE
WP	WOOD POLE
XFMR	TRANSFORMER

- GENERAL NOTES:**
- THE CONTRACTOR SHALL VERIFY ALL OF THE INFORMATION SHOWN ON THE CONTRACT DRAWINGS WHICH WOULD AFFECT THE WORK UNDER THIS CONTRACT.
 - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS PROJECT, SPECIFICALLY AS THEY RELATE TO LUMP SUM ITEMS AND UNIT PRICE ITEMS.
 - ALL NEW CONDUIT, JUNCTION BOXES AND APPURTENANCES ARE INDICATED DIAGRAMMATICALLY ON THE DRAWINGS. THE ACTUAL LOCATIONS IN THE FIELD SHALL MEET WITH APPROVAL OF THE ENGINEER.
 - THE ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND ASSOCIATED SUPPLEMENTAL CONDITIONS AND THE NATIONAL ELECTRIC CODE.
 - THE SCALE SHOWN ON PLAN DRAWINGS APPLIES ONLY TO THE FULL SIZE PLANS AND NOT TO REDUCED SIZE PLANS.
 - THE CONTRACTOR SHALL FURNISH AND INSTALL LUMINAIRE LAMPS IN ACCORDANCE WITH THE SUPPLIER'S RECOMMENDATIONS AND IN ACCORDANCE WITH THE SPECIFICATIONS. THE COST OF THIS WORK AND MATERIAL SHALL BE INCLUDED IN THE APPLICABLE LUMINAIRE PAY ITEM. SEPARATE PAYMENT WILL NOT BE MADE.
 - THE CONTRACTOR SHALL FURNISH AND INSTALL POLE WIRING AT EACH POLE. THIS WORK SHALL BE INCLUDED IN THE LIGHT POLE PAY ITEM. SEPARATE PAYMENT WILL NOT BE MADE.
 - ALL LUMINAIRES SHALL BE ORIENTED WITH THE OPTICS PERPENDICULAR TO THE ROADWAY UNLESS OTHERWISE INDICATED OR DIRECTED BY THE ENGINEER. THE LUMINAIRES MAY REQUIRE NIGHT-TIME OPTICAL ADJUSTMENT UPON INSPECTION BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE APPLICABLE LUMINAIRE PAY ITEMS. SEPARATE PAYMENT WILL NOT BE MADE.
 - FOR THE EXISTING LIGHT POLE AND FOUNDATIONS THAT ARE TO BE REMOVED, THE ASSOCIATED UNDERGROUND CONDUITS AND CABLES SHALL BE SEPARATED FROM RESPECTIVE FOUNDATIONS AT 2.5 FEET (760 mm) BELOW GRADE AND SHALL BE REMOVED. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF "REMOVAL OF POLE FOUNDATION" PAY ITEM. SEPARATE PAYMENT WILL NOT BE MADE.
 - EXISTING UNDERGROUND WIRING SHOWN ON PLANS IS DIAGRAMMATIC. CONTRACTOR SHALL MAINTAIN CONTINUITY TO ALL EXISTING WIRING TO EXISTING LIGHTING TO REMAIN. THIS WORK SHALL BE INCLUDED IN THE COST OF THE PAY ITEMS FOR LIGHT POLE. SEPARATE PAYMENT WILL NOT BE MADE.
 - ALL LIGHTING EQUIPMENT REMOVED AS PART OF THIS CONTRACT SHALL REMAIN THE PROPERTY OF THE OWNER AND SHALL BE DELIVERED TO THE OWNER'S ELECTRICAL MAINTENANCE FACILITY IN ACCORDANCE WITH THE SPECIAL PROVISIONS.
 - CONDUITS AND UNIT DUCTS SHALL BE INSTALLED AT A MINIMUM 30 INCH DEPTH BELOW GRADE AND POSITIONED IN THE FIELD TO AVOID CONFLICT WITH ROADWAY UNDERDRAINS AND OTHER EXISTING AND PROPOSED UTILITIES. THE CONTRACTOR SHALL INCREASE DEPTH OF UNIT DUCT AND CONDUIT AS REQUIRED AT NO ADDITIONAL COST TO THE STATE. THE CONTRACTOR SHALL COORDINATE RACEWAY DEPTH WITH THE ELECTRICAL DETAILS AND THE ENGINEER.
 - WHERE THE CONTRACTOR'S EXCAVATION MEETS AN OBSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR DIRECTION IN WRITING PRIOR TO EXCAVATION. THE CONTRACTOR SHALL RESTORE ANY DAMAGE TO EXISTING SYSTEMS OR UTILITIES AND REMOVE EXISTING OBSTRUCTIONS AND FOUNDATIONS TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE APPROPRIATE PAY ITEM.
 - SETBACK FOR THIS PROJECT IS THE DISTANCE FROM THE BACK OF CURB TO THE FACE OF THE POLE BASE.
 - EXISTING KAUTZ ROAD LIGHTING IS OWNED AND MAINTAINED BY THE CITY OF WEST CHICAGO. THE PROPOSED LIGHTING FOR KAUTZ ROAD WILL BE OWNED AND MAINTAINED BY THE CITY OF WEST CHICAGO.
 - THE CONTRACTOR SHALL MAINTAIN ALL TEMPORARY LIGHTING DURING CONSTRUCTION. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF "MAINTENANCE OF LIGHTING SYSTEM" PAY ITEM.