








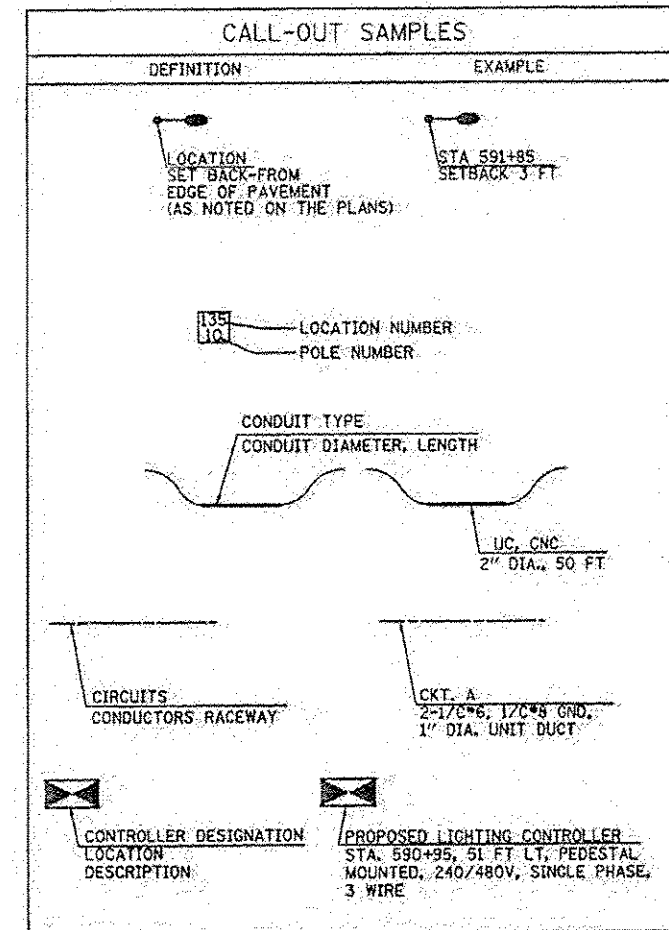


**LIGHTING LEGEND**

-  PROPOSED LIGHTING UNIT  
50' M.H., 12' M.A., WITH 400W HPS LUMINAIRE, ABOVE PHASE TO PHASE, MC III (UNLESS OTHERWISE NOTED), 480V BALLAST
-  LIGHTING UNIT COMBINATION TRAFFIC SIGNAL POLE  
45' M.H., 15' M.A., WITH 400W HPS LUMINAIRE, ~~240V~~ <sup>120V</sup> PHASE TO PHASE, MC III (BY OTHERS, REFER TO TRAFFIC SIGNAL PLANS)
-  UNDERGROUND RIGID GALVANIZED STEEL CONDUIT (RGSC)  
SIZE AND LENGTH AS INDICATED
-  UNDERGROUND CONDUIT COILABLE NONMETALLIC CONDUIT, SIZE AND LENGTH AS INDICATED
-  UNIT DUCT, AS SPECIFIED IN PLANS
-  EXISTING CABLE AND CONDUIT TO REMAIN IN PLACE
-  EXISTING OVERHEAD UTILITY POWER LINE
-  PROPOSED LIGHTING CONTROLLER PEDESTAL MOUNTED, 240/480V, SINGLE PHASE, 3 WIRE
-  PROPOSED ELECTRIC UTILITY SERVICE POLE

**GENERAL NOTES:**

1. SETBACKS ARE MEASURED FROM EDGE OF PAVEMENT TO CENTER OF POLE.
2. ALL PROPOSED LIGHTING UNITS SHALL BE LABELED ACCORDING TO THE STANDARD SPECIFICATIONS, WITH POLE NUMBERS ATTACHED WITH STAINLESS STEEL BANDING. LIGHTING UNIT NUMBERING SHALL BE AS DIRECTED BY THE ENGINEER.
3. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ELECTRICAL WORK WITH OTHER TRADES.
4. THE PROPOSED LIGHT POLES SHALL BE LOCATED AS NOTED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER. LIGHT POLE FOUNDATIONS SHALL BE INSTALLED PLUMB AND FLUSH WITH THE PROPOSED GRADE AND SHALL MEET THE HEIGHT REQUIREMENTS OF ARTICLE 836.03 OF THE STANDARD SPECIFICATIONS. AFTER UNIT DUCT IS INSTALLED, FOUNDATIONS SHALL BE FILLED WITH FINE AGGREGATE ACCORDING TO ARTICLE 836.03. WASHERS USED TO INSTALL THE POLE SHALL BE LARGE ENOUGH TO FULLY COVER THE SLOTTED HOLES IN THE POLE BASE PLATE.
5. CONTRACTOR SHALL INSTALL LIGHT POLES AT THE LOCATIONS INDICATED ON THE PLANS, MAINTAINING ADEQUATE CLEARANCE FROM UTILITY LINES. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY CLEARANCES PER THE NATIONAL ELECTRICAL SAFETY CODE AND/OR THE REQUIREMENTS OF THE UTILITY COMPANIES. THE LOCATION OF BURIED AND ABOVE GROUND UTILITIES SHOWN ARE APPROXIMATE AND ARE SHOWN FOR INFORMATION ONLY. REROUTING, DISCONNECTION, RELOCATION, PROTECTION ETC., OF ANY UTILITIES MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY, AND OWNER. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
6. THE CONTRACTOR IS RESPONSIBLE FOR UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THE COST OF THIS WORK IS TO BE INCLUDED WITH THE UNDERGROUND CONDUIT AND UNIT DUCT PAY ITEMS.
7. THE CONTRACTOR SHALL PROVIDE AND INSTALL A CONCRETE WORK PAD IN FRONT OF THE LIGHTING CONTROLLER PER SECTION 825 OF THE STANDARD SPECIFICATIONS.
8. INSTALL HORIZONTAL MOUNT LUMINAIRES PERPENDICULAR TO THE CENTERLINE OF THE ROADWAY AS REQUIRED BY ARTICLE 821.04 OF THE STANDARD SPECIFICATIONS.
9. UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA. SHALL BE SCHEDULE 80 AS NOTED IN THE PLANS.
10. REFER TO TRAFFIC SIGNAL PLANS FOR COMBINATION LIGHTING UNITS WIRING.
11. STAINLESS STEEL SCREEN INSTALLED AROUND BREAKAWAY COUPLINGS OR ANCHOR RODS AND NUTS SHALL BE ACCORDING TO ART. 1070.04(Q)(2)(c) OF THE STANDARD SPECIFICATIONS EXCEPT THE MINIMUM WIRE DIAMETER SHALL BE AWG. NO. 16 (1.6mm).
12. ANY CHARGE BY THE UTILITY COMPANY TO PROVIDE ELECTRICAL SERVICE AND/OR ELECTRICAL SERVICE CONNECTION TO THE SERVICE INSTALLATION WILL BE PAID FOR ACCORDING TO ARTICLE 109.05 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.



**SCHEDULE OF QUANTITIES**

CODE NO.	ITEM	UNIT	QUANTITY
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	50
81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	145
81028770	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3" DIA.	FOOT	230
81603040	UNIT DUCT, 600V, 2-1/2" NO. 6, 1/2" NO. 8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	4545
81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/2" NO. 2	FOOT	150
82102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	16
82500340	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 480VOLT, 60AMP	EACH	1
83010500	LIGHT POLE, ALUMINUM, 50 FT. M.H., 12 FT. MAST ARM	EACH	16
83600300	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	112
83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	16

**HIGHWAY STANDARDS**

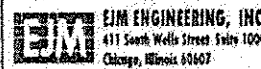
- 830001-01 LIGHT POLE ALUMINUM MAST ARM
- 836001-02 LIGHT POLE FOUNDATION
- 825016-02 LIGHTING CONTROLLER PEDESTAL MOUNTED, 480V
- 838001 BREAKAWAY DEVICES
- 821101 LUMINAIRE WIRING DIAGRAM

**ABBREVIATIONS**

ABBREVIATION	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
D.A.	DAVIT ARM
DIA.	DIAMETER
EX	EXISTING
E	EXISTING UNIT TO REMAIN
ECA	ELECTRIC CABLE ASSEMBLY
FT	FEET OR FOOT
FND MET	FOUNDATION METAL
FU	FUSE
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
HPS	HIGH PRESSURE SODIUM
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATTS
LP	LIGHT POLE
M	METER
M.A.	MAST ARM
M.H.	MOUNTING HEIGHT
NO.	NUMBER
PR	PROPOSED
RGSC	RIGID GALVANIZED STEEL CONDUIT
STA	STATION
T	TEMPORARY LIGHTING UNIT
TB	TRANSFORMER BASE
TMP	TEMPORARY
UC	UNDERGROUND CONDUIT
UD	UNIT DUCT
WP	WOOD POLE
XFMR	TRANSFORMER

E-01

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ILLINOIS ROUTE 47 AT US 52  
IDOT LIGHTING GENERAL NOTES, LEGEND & SCHEDULE OF QUANTITIES**

F.A.P. DATE: 3/26	SECTION: 1109, 1108R & BR-1	COUNTY: GRUNDY	TOTAL SHEETS: 619	SHEET NO.: 364
CONTRACT NO. 66884				