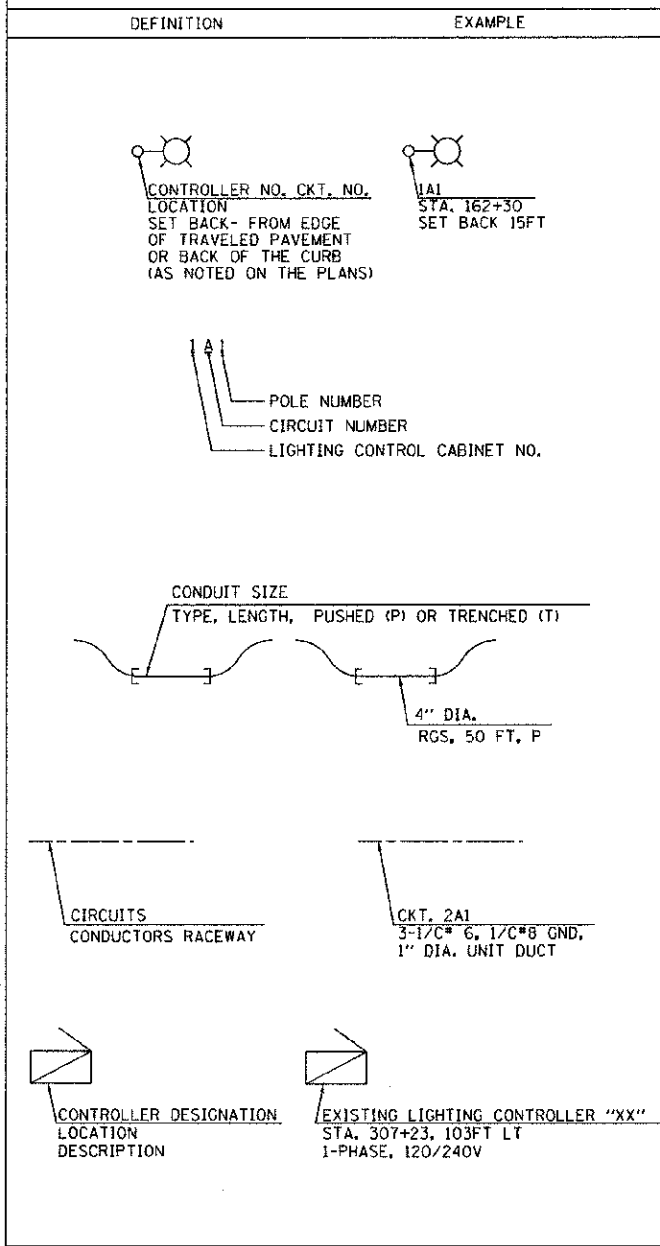


**LEGEND**

- PROPOSED LIGHTING UNIT - NAPERVILLE  
40' M.H., 12' M.A., 310W, 120V HPS LUMINAIRE  
GROUND MOUNTED WITH TRANSFORMER BASE BREAKAWAY
- PROPOSED BRIDGE MOUNTED LIGHTING UNIT - NAPERVILLE  
40' M.H., 12' M.A., 310W, 120V HPS LUMINAIRE
- PROPOSED LIGHTING UNIT - BOLINGBROOK  
35' M.H., 10' M.A., 250W, 240V HPS LUMINAIRE  
GROUND MOUNTED WITH TRANSFORMER BASE BREAKAWAY
- PROPOSED TWIN ARM COMBINATION LIGHTING UNIT  
45' M.H., 2-10' M.A., 2-250W, 240V HPS LUMINAIRES  
VILLAGE OF BOLINGBROOK
- EXISTING LIGHTING UNIT TO REMAIN  
40' M.H., 12' M.A., 310W, 120V HPS LUMINAIRE  
CITY OF NAPERVILLE
- EXISTING LIGHTING UNIT TO REMAIN  
35' M.H., 10' M.A., 250W, 240V HPS LUMINAIRE  
VILLAGE OF BOLINGBROOK
- EXISTING LIGHTING UNIT TO REMAIN AS  
TEMPORARY LIGHTING DURING CONSTRUCTION  
40' M.H., 12' M.A., 310W, 120V HPS LUMINAIRE  
CITY OF NAPERVILLE
- EXISTING LIGHTING UNIT TO REMAIN AS  
TEMPORARY LIGHTING DURING CONSTRUCTION  
35' M.H., 10' M.A., 250W, 240V HPS LUMINAIRE  
VILLAGE OF BOLINGBROOK
- EXISTING LIGHTING UNIT TO BE REMOVED AND RELOCATED  
40' M.H., 12' M.A., 310W, 120V HPS LUMINAIRE  
CITY OF NAPERVILLE
- EXISTING LIGHTING UNIT TO BE REMOVED AND RELOCATED  
35' M.H., 10' M.A., 250W, 240V HPS LUMINAIRE  
VILLAGE OF BOLINGBROOK
- RELOCATED LIGHTING UNIT - NAPERVILLE  
40' M.H., 12' M.A., 310W, 120V HPS LUMINAIRE  
TRANSFORMER BASE BREAKAWAY
- RELOCATED LIGHTING UNIT - BOLINGBROOK  
35' M.H., 10' M.A., 250W, 240V HPS LUMINAIRE  
TRANSFORMER BASE BREAKAWAY
- TEMPORARY TWIN LIGHT FIXTURES AND MAST ARMS - BOLINGBROOK  
35' M.H., 2-10' M.A., 2-250W, 240V HPS LUMINAIRES  
ATTACHED TO TEMPORARY TRAFFIC SIGNALS WOOD POLE @ 90°
- RIGID GALVANIZED STEEL (RGS) CONDUIT  
PUSHED (P), OR TRENCHED (T)  
SIZE AS INDICATED
- UNIT DUCT, AS SPECIFIED IN PLANS
- EXISTING WIRING TO REMAIN
- PROPOSED LIGHTING CONTROLLER CABINET,  
SINGLE DOOR, CONSOLE TYPE, 100A, 120/240V, 1Ø  
CITY OF NAPERVILLE MAINTAINED
- EXISTING LIGHTING CONTROLLER CABINET,  
SINGLE DOOR, CONSOLE TYPE, 100A, 120/240V, 1Ø  
CITY OF NAPERVILLE MAINTAINED
- EXISTING LIGHTING CONTROLLER CABINET,  
SINGLE DOOR, CONSOLE TYPE, 100A, 240/480V, 1Ø  
VILLAGE OF BOLINGBROOK MAINTAINED

**CALL-OUT SAMPLES**



**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
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
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.)
RL	RELOCATED
RR	EXISTING UNIT TO BE REMOVED AND RELOCATED (REINSTALLED)
RECP	RECEPTACLE
RGC	RIGID GALVANIZED CONDUIT
RGS	RIGID GALVANIZED STEEL
SEL SW	SELECTOR SWITCH
SPARE	SPARE
SPACE	SPACE
SS	STAINLESS STEEL
STA	STATION
T	TEMPORARY LIGHTING UNIT
TB	TRANSFORMER BASE
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
UC	UNDERGROUND CONDUIT
UD	UNIT DUCT
U.N.O.	UNLESS NOTED OTHERWISE
WP	WOOD POLE
XFMR	TRANSFORMER

**GENERAL NOTES:**

1. THE CONTRACTOR SHALL VERIFY ALL OF THE INFORMATION SHOWN ON THE CONTRACT DRAWINGS WHICH WOULD AFFECT THE WORK UNDER THIS CONTRACT.
2. 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.
3. ALL NEW CONDUITS, UNIT DUCTS, DIRECT BURIAL CABLES, AND APPURTENANCES ARE INDICATED DIAGRAMMATICALLY ON THE DRAWINGS, THE ACTUAL LOCATIONS IN THE FIELD SHALL MEET WITH APPROVAL OF THE ENGINEER.
4. THE ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND ASSOCIATED SUPPLEMENTAL CONDITIONS (LATEST EDITION). WORK WITHIN THE CITY OF NAPERVILLE SHALL BE PERFORMED ACCORDING TO CITY STANDARDS AND SPECIAL PROVISIONS FIRST.
5. THE SCALE SHOWN ON PLAN DRAWINGS APPLIES ONLY TO THE FULL SIZE PLANS AND NOT TO REDUCED SIZE PLANS.
6. 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.
7. ALL LUMINAIRES SHALL BE ORIENTED WITH THE OPTICS PERPENDICULAR TO THE ROADWAY UNLESS OTHERWISE INDICATED OR DIRECTED BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE APPLICABLE LUMINAIRE PAY ITEMS. SEPARATE PAYMENT WILL NOT BE MADE.
8. CONDUITS AND UNIT DUCTS SHALL BE INSTALLED AT A MINIMUM 30" 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. THE CONTRACTOR SHALL COORDINATE RACEWAY DEPTH WITH THE ELECTRICAL DETAILS AND THE ENGINEER.
9. PAYMENT FOR TRENCH AND BACKFILL FOR ELECTRICAL WORK IS INCLUDED AS PART OF THE CONDUIT OR UNIT DUCT BID PRICE. NO SEPARATE MEASUREMENT OR PAYMENT FOR TRENCH AND BACKFILL FOR ELECTRICAL WORK.
10. 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.
11. BREAKAWAY DEVICE, TRANSFORMER BASE, 9" HIGH, SHALL BE FURNISHED AND INSTALLED ON ALL NEW AND RELOCATED GROUND MOUNTED POLES. EXISTING BREAKAWAY BASES SHALL BE RELOCATED AND REUSED. EXISTING COUPLINGS SHALL NOT BE REUSED, AND NEW TRANSFORMER BASES SHALL REPLACE COUPLINGS. BRIDGE PARAPET MOUNTED POLES SHALL NOT HAVE BREAKAWAY BASES INSTALLED. BREAKAWAY BASES ARE PAID FOR ON A PER EACH NEW BASE FURNISHED AND INSTALLED.
12. ALL REMOVED EQUIPMENT AND MATERIALS THAT WILL NOT BE REUSED SHALL BE RETURNED TO THE LOCAL MUNICIPALITY THAT OWNS THE EQUIPMENT. THE CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS TO SAFELY TRANSPORT AND DELIVER REMOVED EQUIPMENT TO THE MUNICIPALITY'S PUBLIC WORKS STORAGE FACILITY/YARD DESIGNATED BY EACH MUNICIPALITY. COST OF THIS WORK, INCLUDING PROPERLY PACKAGING AND HANDLING OF EQUIPMENT, SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE ITEMS BEING REMOVED.
13. CONTRACTOR SHALL APPLY FOR AN ELECTRIC SERVICE PERMIT FROM THE NAPERVILLE TRANSPORTATION, ENGINEERING, AND DEVELOPMENT (T.E.D.) BUSINESS GROUP. PERMIT MUST BE OBTAINED FOR ANY NEW, MODIFIED, OR RELOCATED ELECTRIC SERVICE WITHIN THE CITY OF NAPERVILLE LIMITS FOR THE LIGHTING CONTROLLERS SHOWN ON THE PLANS. THE CONTRACTOR MUST ALSO CONTACT THE NAPERVILLE DEPARTMENT OF PUBLIC UTILITIES- ELECTRICAL (NDPU-E) DISPATCH 24 HOURS IN ADVANCE TO SCHEDULE AN ELECTRIC SERVICE CONNECTION BY THE DEPARTMENT. CONTRACTOR SHALL FURNISH AND INSTALL SERVICE WIRING FOR ALL CONTROLLERS UP TO THE NDPU-E ELECTRIC SERVICE PEDESTAL. LEAVE A MINIMUM OF 15 FEET OF SERVICE WIRING COILED OUTSIDE THE PEDESTAL FOR NDPU-E CONNECTION.
14. ALL PROPOSED UNIT DUCTS SHALL BE USE-2 RATED. UNIT DUCTS FOR LIGHTING BRANCH CIRCUITS SHALL CONTAIN #6 CONDUCTORS. NUMBER OF CONDUCTORS SHALL BE AS SHOWN ON THE PLANS. CABLES FOR ELECTRIC SERVICES TO THE LIGHTING CONTROLLER CABINETS SHALL BE USE-2 RATED AND SHALL BE 3-1/2" # 2 CABLES IN 2" RIGID GALVANIZED STEEL CONDUIT.
15. LIGHTING AND ELECTRICAL SYMBOLS ARE OVERSIZED ON THE PLANS FOR CLARITY. CONTRACTOR SHALL USE STATIONS AND SETBACKS TO ACCURATELY LOCATE EQUIPMENT.
16. CONTRACTOR SHALL MAINTAIN 2' MINIMUM CLEARANCE BETWEEN EXISTING UTILITIES AND NEW FOUNDATIONS AND UNDERGROUND FACILITIES. IN AREAS WHERE FOUNDATIONS AND UNDERGROUND FACILITIES ARE PROPOSED ADJACENT TO EXISTING UTILITIES, THE CONTRACTOR SHALL POT HOLE BY VACUUM EXCAVATION OR HAND EXCAVATION TO LOCATE THE EXISTING UTILITY TO VERIFY MINIMUM CLEARANCE REQUIREMENT.



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DESIGNED - MAE	REVISIONS
DRAWN - MAE	REVISIONS
CHECKED - DAD	REVISIONS
DATE - 2/1/2012	REVISIONS

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**95TH STREET  
LIGHTING LEGEND & GENERAL NOTES**

SCALE: NONE    DRAWING NO. 1 OF 30    STA. TO STA.

F.A.U. R.T.E. 1644	SECTION 01-00181-00-PP	COUNTY WILL	TOTAL SHEETS 328	SHEET NO. 129
CONTRACT NO. 63647			ILLINOIS FED. AID PROJECT	