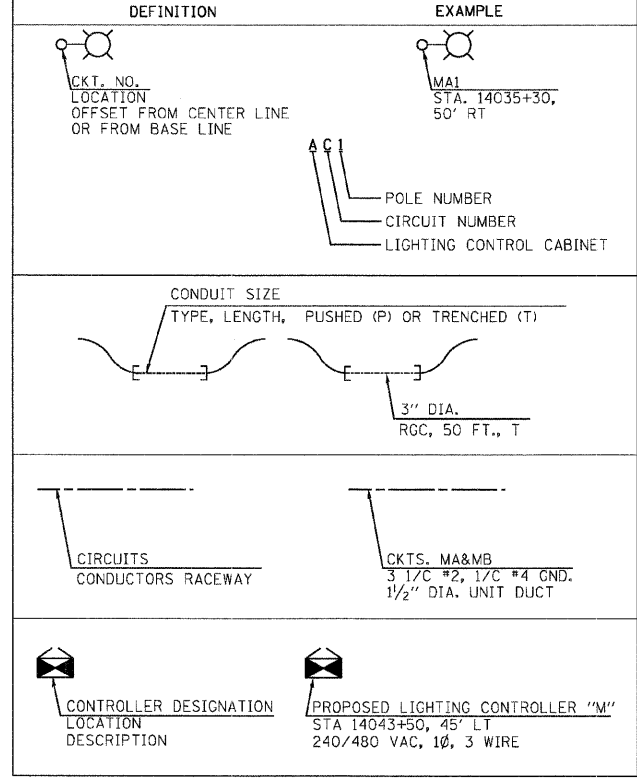


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	991&21 R-3&9-1H-1-BR-2	WILL	303	124
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

**LEGEND**

- PROPOSED LIGHTING UNIT WITH BREAKAWAY DEVICE (TRANSFORMER BASE) 47.5' M.H., 15' M.A., 310W HPS, TYPE MC-III, 240V LUMINAIRE
- PROPOSED LIGHTING UNIT, BRIDGE MOUNTED 47.5' M.H., 15' M.A., 310W HPS, TYPE MC-III, 240V LUMINAIRE
- PROPOSED COMBINATION LIGHTING UNIT 45' M.H., 15' M.A., 310W HPS, TYPE MC-III, 240V LUMINAIRE
- EXISTING LIGHTING UNIT TO BE REMOVED 40' M.H., 6' M.A., 400W, 240V HPS LUMINAIRE
- EXISTING HIGH MAST TOWER TO REMAIN 100' M.H., (3) 1000W HPS, TYPE MC-II, 240V LUMINAIRES
- LIGHT POLE, WOOD, 60FT, CLASS IV, TEMPORARY LIGHTING UNIT 50' M.H., 15' M.A., 400W, TYPE MC-III, 240V HPS LUMINAIRE
- RIGID GALVANIZED STEEL CONDUIT (RGC) PUSHED (P), OR TRENCHED (T) SIZE AS INDICATED
- PVC CONDUIT, EMBEDDED IN STRUCTURE, SIZE AS NOTED
- UNIT DUCT, AS SPECIFIED IN PLANS
- EXISTING UNDERGROUND WIRING TO REMAIN UNLESS OTHERWISE NOTED
- EXISTING UNIT DUCT TO BE ABANDONED OR REMOVED
- AERIAL CABLE WITH MESSENGER WIRE, AS SPECIFIED IN PLANS
- PROPOSED LIGHTING CONTROLLER
- EXISTING LIGHTING CONTROLLER TO BE USED AS TEMPORARY
- ELECTRIC UTILITY POLE
- ELECTRIC GROUND ROD
- JUNCTION BOX, SIZE AND TYPE AS SPECIFIED

**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
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATTS
LT	LEFT
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
RT	RIGHT
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
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 CONDUIT, UNIT DUCTS, DIRECT BURIAL CABLE, 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.
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. THE CONTRACTOR SHALL FURNISH AND INSTALL POLE WIRING AT EACH POLE. THIS SHALL BE CONSIDERED AS A PART OF THE LIGHT POLE PAY ITEMS. NO EXTRA COMPENSATION WILL BE ALLOWED FOR THIS ITEM.
8. 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.
9. FOR THE EXISTING LIGHT POLE AND FOUNDATIONS THAT ARE TO BE REMOVED, THE ASSOCIATED UNDERGROUND CONDUITS AND CABLE SHALL BE SEPARATED FROM RESPECTIVE FOUNDATIONS AT 2.5 FEET BELOW GRADE AND SHALL BE ABANDONED.
10. ALL LIGHTING EQUIPMENT REMOVED AS PART OF THIS CONTRACT SHALL REMAIN THE PROPERTY OF THE IDOT AND SHALL BE DELIVERED TO THE STATE MAINTENANCE FACILITY.
11. CONDUITS AND UNIT DUCTS SHALL BE INSTALLED AT A MINIMUM 30" DEPTH BELOW GRADE AND POSITIONED IN THE FIELD TO AVOID CONFLICT WITH ROADWAY UNDERRAINS 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.
12. WHERE MULTIPLE CONDUITS ADJACENT TO EACH OTHER ARE INSTALLED IN A COMMON TRENCH, TRENCH AND BACKFILL WILL NOT BE PAID FOR EACH CONDUIT, BUT WILL BE PAID FOR THE LENGTH OF THE COMMON TRENCH ONLY.
13. 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.
14. WHEREVER THE TEMPORARY AERIAL CABLE IS REQUIRED TO CROSS AN EXISTING AND/OR PROPOSED ROADWAY, THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF TWENTY (20) FEET OF VERTICAL CLEARANCE OVER THE ROADWAY AT ALL TIMES.
15. THE CONTRACTOR SHALL MARK AND STAKE EACH LIGHT POLE LOCATION AND UNIT DUCT PATH AND SHALL OBTAIN APPROVAL OF THE ENGINEER, COORDINATED WITH THE BUREAU OF ELECTRICAL OPERATIONS, BEFORE FOUNDATION AND CABLE CONSTRUCTION IS BEGUN. THIS DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR PROPER CONSTRUCTION, INCLUDING HEIGHT, BUT FAILURE TO GAIN THE APPROVAL LEAVES FOUNDATION AND CABLE WORK SUBJECT TO RELOCATION AT THE CONTRACTOR'S EXPENSE.

**SCHEDULE OF QUANTITIES**

QUANTITY	UNIT	DESCRIPTION
59	EACH	GROUND ROD, 5/8" DIA. X 10 FT.
1	EACH	ELECTRIC SERVICE INSTALLATION
1	L SUM	ELECTRIC UTILITY SERVICE CONNECTION
56	FOOT	CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL
1,133	FOOT	CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL
448	FOOT	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC
4	EACH	JUNCTION BOX EMBEDDED IN STRUCTURE 18" X 12" X 6"
110	FOOT	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE USE) 3-1/2 350MCM
240	FOOT	AERIAL CABLE, 3-1/2 NO. 4 WITH MESSENGER WIRE
11,744	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
65	EACH	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 310 WATT
4	EACH	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT
60	EACH	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. MAST ARM
4	EACH	LIGHT POLE, WOOD, 60 FOOT, CLASS 4, WITH 15FT MAST ARM
580	FOOT	LIGHT POLE FOUNDATION, 24" DIAMETER
58	EACH	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE
4	EACH	REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE
4	EACH	LIGHTING FOUNDATION REMOVAL
1	EACH	REMOVAL OF ELECTRIC SERVICE INSTALLATION
14	CAL MO	MAINTENANCE OF LIGHTING SYSTEM
65	EACH	LUMINAIRE SAFETY CABLE ASSEMBLY
470	FOOT	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE-RHW) 3-1/2 NO. 2 AND 1/2 NO. 4 GROUND
16,247	FOOT	UNIT DUCT, WITH 3-1/2 NO. 2 AND 1/2 NO. 4 GROUND, 600V (EPR-TYPE RHW), 1/2" DIA., POLYETHYLENE
1	EACH	LIGHTING CONTROLLER, DUPLEX CONSOLE TYPE
4	EACH	REMOVE TEMPORARY LIGHTING UNITS AND SALVAGE
1	EACH	REMOVE EXISTING LIGHTING CONTROLLER AND SALVAGE
1	EACH	REMOVE AND RELOCATE EXISTING LIGHTING CONTROLLER

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION MANHATTAN-MONEE ROAD AT I-57 LEGENDS, GENERAL NOTES, AND SCHEDULE OF QUANTITIES
NAME	DATE	

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DATE: 10/09/2006  
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CHECKED BY: PKG

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