

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00017-00-PV	KANE	232	140

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	QUANTITY
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
80400200	ELECTRIC UTILITY SERVICE CONNECTION	L. SUM	1
81000800	CONDUIT IN TRENCH, 3" DIA GALVANIZED STEEL	FOOT	240
81018900	CONDUIT PUSHED, 4" DIA GALVANIZED STEEL	FOOT	306
81701345	ELECTRIC CABLE IN CONDUIT 600 V (EPR-TYPE USE-2) 3-1/C NO. 3/0	FOOT	280
81800320	AERIAL CABLE, 3-1/C NO.4 WITH MESSENGER WIRE	FOOT	800
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	500
82102310	LUMINAIRE, SODIUM VAPOR HORIZONTAL MOUNT, 310 WATT	EACH	4
82102400	LUMINAIRE, SODIUM VAPOR HORIZONTAL MOUNT, 400 WATT	EACH	22
82500505	LIGHTING CONTROL, SPECIAL	EACH	1
83050760	LIGHT POLE, ALUMINUM, 47'-6" FT MH, 8 FT MAST ARM	EACH	8
83050800	LIGHT POLE, ALUMINUM, 47'-6" FT MH, 12 FT MAST ARM	EACH	14
83100200	TEMPORARY WOOD POLE 40 FOOT, CLASS 4	EACH	2
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	180
83600215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	40
83800205	BREAKAWAY DEVICE TRANSFORMER BASE 15" BOLT CIRCLE	EACH	22
84100110	REMOVAL OF TEMPORARY LIGHTING UNITS	EACH	2
84200500	REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE	EACH	2
84200600	REMOVAL OF EXISTING LIGHTING UNIT, NO SALVAGE	EACH	6
84200705	LIGHTING FOUNDATION REMOVAL, PARTIAL	EACH	7
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1
84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1
	TEMPORARY LUMINAIRE, SODIUM VAPOR HORIZONTAL MOUNT, 310 WATT WITH PHOTOCELL CONTROL	EACH	4
	TEMPORARY LUMINAIRE, SODIUM VAPOR HORIZONTAL MOUNT, 400 WATT WITH PHOTOCELL CONTROL	EACH	4
	POLYETHYLENE DUCT BORED AND PULLED, 1/4" DIA WITH ELECTRIC CABLE 600V (EPR TYPE RHW), 3-1/C NO. 6 AND 1/C NO. 6 GROUND	FOOT	5,350
X0323574	MAINTENANCE OF LIGHTING SYSTEMS	CAL MO	4

1. EXISTING LIGHTING

1.1 THE CONTRACTOR SHALL CONDUCT AN INSPECTION OF THE EXISTING LIGHTING SYSTEM WITH THE STATE ELECTRIC MAINTENANCE CONTRACTOR AT NO COST AND PRIOR TO ANY CONSTRUCTION AS SPECIFIED IN THE STANDARD SPECIFICATIONS AND DIRECTED BY THE ENGINEER.

1.2 THE CONTRACTOR SHALL TAKE OVER MAINTENANCE OF THE EXISTING LIGHTING SYSTEM FROM THE STATE ELECTRIC CONTRACTOR AS SPECIFIED IN THE STANDARD SPECIFICATIONS AND DIRECTED BY THE ENGINEER.

1.3 THE CONTRACTOR SHALL GIVE IN WRITING TO THE ENGINEER A SCHEDULE OF WORK FOR THE LIGHTING IMPROVEMENT AND OBTAIN WRITTEN APPROVAL FROM THE ENGINEER AS SPECIFIED IN THE STANDARD SPECIFICATIONS.

1.4 THE LIGHTING SYSTEM SHALL REMAIN IN OPERATION DURING NIGHT HOURS FROM DUSK TO DAWN AS SPECIFIED IN THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

2. SALVAGED MATERIAL:

2.2 THE SALVAGED MATERIALS- EXISTING LIGHT POLE WITH MAST ARM, IDENTIFIED DURING INITIAL INSPECTION WITH STATE MAINTENANCE CONTRACTOR SHALL BE DELIVERED TO THE STATE STORAGE YARD AS SPECIFIED IN THE SPECIAL PROVISIONS AND AS DIRECTED BY THE ENGINEER.

3. TEMPORARY LIGHTING

3.1 THE CONTRACTOR SHALL UTILIZE THE EXISTING LIGHTING CONTROLLER "KV" FOR THE TEMPORARY LIGHTING CIRCUITS.

3.2 THE CONTRACTOR SHALL INSTALL MAST ARM WITH LUMINAIRES ON THE TEMPORARY TRAFFIC SIGNAL WOOD POLE AND AERIAL CABLE CIRCUIT AS SHOWN ON THE PROJECT DRAWING AND AS DIRECTED BY THE A ENGINEER.

3.3 THE CONTRACTOR SHALL INSTALL A TEMPORARY WOOD POLE BETWEEN THE EXISTING LIGHTING CONTROLLER AND TEMPORARY TRAFFIC WOOD POLE TO CARRY THE ELECTRICAL POWER AS SHOWN ON THE PROJECT DRAWINGS AND AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL KEEP MINIMUM 30 FT CLEARANCE BETWEEN AERIAL CIRCUIT CABLE SAG AND GROUND LINE.

3.4 THE CONTRACTOR SHALL CONNECT AERIAL CIRCUITS WITH LIGHTING CONTROLLER "KV" CIRCUIT BREAKERS AND ENERGIZE TEMPORARY LIGHTING SYSTEM AS SHOWN ON THE PROJECT DRAWING AND AS DIRECTED BY THE ENGINEER.

3.5 THE TEMPORARY LIGHTING SYSTEM SHALL REMAIN IN OPERATION DURING NIGHT HOURS FROM DUSK TO DAWN AS SPECIFIED IN THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER AND UNTIL THE PERMANENT LIGHTING IS COMMISSIONED.

3.6 THE CONTRACTOR SHALL REMOVE THE TEMPORARY LIGHTING ONLY AFTER WRITTEN APPROVAL FROM THE ENGINEER. THE EXISTING LIGHTING CONTROLLER "KV" SHALL BE REMOVED AND NO SALVAGE OR SALVAGED AND DELIVERED TO THE STATE STORAGE YARD IN DISTRICT #1 AS DIRECTED BY THE ENGINEER.

CAUTION

"THE CONTRACTOR SHALL VERIFY THAT THERE ARE NO CONFLICTS BETWEEN THE PROPOSED LIGHT POLE FOUNDATION LOCATIONS AND EXISTING UTILITIES, PROPOSED UTILITIES, EXISTING DRIVEWAYS, AND PROPOSED DRIVEWAYS. IF A CONFLICT IS FOUND, THE CONTRACTOR SHALL IMMEDIATELY INFORM THE ENGINEER IN WRITING. IN THE EVENT OF A CONFLICT, THE CONTRACTOR SHALL OBTAIN WRITTEN INSTRUCTIONS FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY THE CONFLICT. FAILING TO SECURE SUCH INSTRUCTIONS, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS OWN RISK AND EXPENSE."

NOTE:

1. THE MATERIALS AND WORK FOR THIS PROJECT SHALL CONFORM TO THE LATEST N.E.C. AND APPLICABLE STANDARD SPECIFICATIONS AND SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS ISSUED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

REVISED 06-06-08
REVISED 05-21-08



ILLINOIS DEPARTMENT OF TRANSPORTATION
VILLAGE OF SUGAR GROVE, KANE COUNTY
INTERSECTION: GALENA BOULEVARD WITH
ILLINOIS ROUTE 47
**BILL OF MATERIAL
EXISTING AND TEMPORARY LIGHTING**
SCALE: NONE
DATE: 4-20-08
DRAWN BY: HKO
CHECKED BY: JS

