

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	99-00232-00-WR	KANE	17	6A
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 63128				

**SUMMARY OF QUANTITIES**

ITEM	UNIT	QUANTITY
GROUND ROD 3/4" DIA. x 10 FT	EACH	25
LIGHT POLE, ALUMINUM, 40 FT MH, 10 FT MAST ARM	EACH	24
ELECTRIC SERVICE INSTALLATION	EACH	1
LIGHTING CONTROLLER, SPECIAL	EACH	1
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	240
LUMINAIRE, SODIUM VAPOR HORIZONTAL MOUNT, 250 WATT	EACH	30
ELECTRIC UTILITY SERVICE CONNECTION	L. SUM	1
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	50
BREAKAWAY DEVICE TRANSFORMER BASE 15" BOLT CIRCLE	EACH	24
CONDUIT IN TRENCH, 2 1/2" DIA GALVANISED STEEL	FOOT	60
CONDUIT PUSHED, 2 1/2" DIA GALVANISED STEEL	FOOT	270
CONDUIT PUSHED 4" DIA. GALVANISED STEEL	FOOT	74
ELECTRIC CABLE IN CONDUIT 600 V (XLP-TYPE USE-2) 1/C NO. 1/0	FOOT	270
POLYETHYLENE DUCT BORED AND PULLED, 1" DIA WITH ELECTRIC CABLE, 600 V (XLP-TYPE USE), 2-1/C NO.4 AND 1/C NO.6 GROUND	FOOT	5,000

**GENERAL NOTES**

- WHERE SEPARATE CIRCUIT RUNS ARE TO BE INSTALLED PARALLEL WITH EACH OTHER, ONE COMMON TRENCH SHALL BE USED AND SHALL BE MEASURED ONLY ONCE FOR PAYMENT, AS TRENCH AND BACKFILL FOR ELECTRICAL WORK.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL LIGHT POLES FOR EXAMINATION AND CONFIRMATION WITH THE ENGINEER AT THE PRECONSTRUCTION INSPECTION. THE EXACT LOCATIONS OF ALL OTHER ROADWAY LIGHTING ITEMS, INCLUDING THE LIGHTING CONTROLLER(S), SHALL BE CONFIRMED WITH THE ENGINEER PRIOR TO STARTING WORK.
- THE RESPONSIBILITY FOR COORDINATING FINISHED GRADE ELEVATION WITH THE TOP OF THE FOUNDATION HEIGHTS SHALL BE REMAIN WITH THE CONTRACTOR.
- THE CONTRACTOR SHALL SUBMIT FOR THE RESIDENT ENGINEER APPROVAL, WITHIN 30 DAYS AFTER CONTRACT EXECUTION, EIGHT (8) COPIES OF APPROVABLE MANUFACTURER'S PRODUCT DATA AND DETAIL SHOP DRAWINGS TO THE ATTENTION OF KANE COUNTY DIVISION OF TRANSPORTATION 41W011 BURLINGTON ROAD, ST. CHARLES, IL 60175, TEL. 630-584-1170 THE FOLLOWING:
  - TRENCH: ELECTRICAL WARNING TAPE
  - FOUNDATION: CLASS "SI" CONCRETE, REINFORCEMENT, RACEWAYS, ANCHOR BOLTS WITH NUTS & WASHERS.
  - CONDUIT: CONDUIT AND CONDUIT FITTINGS.
  - GROUND ROD: GROUND ROD, COPPER WIRE, EXOTHERMIC WELD.
  - UNIT DUCT/CABLES: UNIT DUCT, CABLES
  - ELECTRIC CABLES: ELECTRIC CABLES
  - LIGHT POLE/ARM: POLE DETAILS, SHOP DRAWING, & WIND LOAD CALCULATIONS, POLE WIRE
  - LUMINAIRE: ROADWAY LUMINAIRE WITH BALLAST ASSEMBLY.
  - ELECTRICAL ITEMS: ELECTRIC TAPES, QUICK DISCONNECT WITH FUSE, LAMPS.
  - LIGHTING CONTROLLER: CIRCUITRY DETAIL, CATALOG ON MATERIALS, PAINT.
- UNIT DUCT SHALL BE 1" DIA. DUCT WITH 2 NO. 4 (BLACK-RED) 1/c NO.6 (GREEN) GROUND SOLID COLOR CODED INSULATED CONDUCTOR.
- THE CONTRACTOR SHALL SUBMIT FOUR (4) SET FULL SIZED COMPLETE, NEAT AND ACCURATE "RECORD DRAWINGS" PLAN SETS TO THE ENGINEER FOR REVIEW AND COMMENT, AS SPECIFIED. THE "RECORD DRAWINGS" SHALL BE UPDATED ON REGULAR BASIS AND DEPICT ALL ROADWAY LIGHTING MATERIAL INSTALLATIONS WITH ANY CHANGES INDICATED IN RED. "RECORD DRAWINGS" SHALL BE SUBMITTED AT LEAST 7 DAYS BEFORE SCHEDULING A FINAL INSPECTION.
- THE CONTRACTOR SHALL NOTIFY J.U.L.I.E. AT (1-800-892-0123) TO LOCATE AND MARK/STAKE ALL UNDERGROUND UTILITIES.
- THE CONTRACTOR SHALL GIVE IN WRITING TO THE ENGINEER FOR REVIEW, CONSTRUCTION STAGING FOR THE PROPOSED ROADWAY LIGHTING WORK, AND THE CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FROM THE ENGINEER.
- THE LIGHT POLE SETBACK SHALL BE FROM THE BACK OF CURB TO THE FACE OF FOUNDATION.
  - 2.5 FT WHERE MULTIUSE PATH IS LOCATED
  - 7.5 FT ON OTHER POLE LOCATIONS
- RESTORATION OF PARKWAY AND PROJECT SITE SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS.
- THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL CODES AND ORDINANCES.
- THE PROPOSED TRENCH SHALL BE 30 INCH BELOW FINISHED GRADE
- ALL ELECTRICAL EQUIPMENT AND PRODUCT SHALL BE U/L LISTED AND LABELED.

**LEGEND**

- EXISTING LIGHTING UNIT, TWIN ARM, REMAIN IN PLACE
- LIGHT POLE, ALUMINUM 40 FT MOUNTING HEIGHT, 10 FT MAST ARM 15" DIA BOLT CIRCLE. LUMINAIRE HIGH PRESSURE SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT CLEAR LAMP, 240 VOLT BALLAST CWA (AUTO REG) POLE MOUNTED ON BREAKAWAY TRANSFORMER BASE
- COMBINATION POLE, 40 FT MOUNTING HEIGHT, 8 FT MAST ARM. LUMINAIRE HIGH PRESSURE SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT CLEAR LAMP, 240 VOLT BALLAST CWA (AUTO REG)
- COMBINATION POLE, 40 FT MOUNTING HEIGHT, 2-8 FT MAST ARM. LUMINAIRE HIGH PRESSURE SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT CLEAR LAMP, 240 VOLT BALLAST CWA (AUTO REG)
- STA 19+42 — STATION NUMBER (TYP)
- B-7 — POLE NUMBER (TYP)
- LIGHTING CIRCUIT BREAKER DESIGNATION
- GROUND ROD, 3/4" DIA. x 10 FT
- UNIT DUCT WITH 2-1/C NO. 4 & 1/C NO. 6 GROUND, 600 V (XLP-TYPE USE) 1" DIA. POLYETHYLENE
- EXISTING UTILITY SERVICE POLE MOUNTED TRANSFORMER
- PROPOSED LIGHTING CONTROLLER
- ELECTRIC CABLE IN CONDUIT 600V (XLP - TYPE USE-2), 3- 1/C NO. 1/0
- CONDUIT IN TRENCH (T) OR PUSHED (P) GALVANIZED STEEL

LIGHT POLE AND ARM  
UNION METAL CATALOG NUMBER  
P09-Y194 -0.250" - 10'-0" x 6'-0" x 8" / 10 FT - 0.125" - 3'-0" OD  
\* PAINTED IN POWDER COATED DARK BRONZE COLOR FINISH

LUMINAIRE  
GENERAL ELECTRIC MDCL-25-S-0-A-1-1-F-M-C-III-1-X  
CATALOG NUMBER  
\* BALLAST TAPED FOR 240 VOLT CIRCUIT  
\* PAINTED IN POWER COATED DARK BRONZE COLOR FINISH

⊗ THE CONTRACTOR SHALL FURNISH COLOR CHIP TO THE OWNER FOR APPROVAL

**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 THE EVENT OF A CONFLICT, THE CONTRACTOR SHALL OBTAIN WRITTEN INSTRUCTIONS FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED. 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 APPLICABLE STANDARD SPECIFICATIONS AND SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS. ISSUED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION. SPECIAL PROVISIONS CHECK LIST IS ATTACHED WITH THIS PROJECT.



James R. Metz  
Exp. 11/30/05

PROJECT DRAWINGS #E-1 TO #E-7 ARE PREPARED BY SUNJOY INC.



REVISIONS	
NAME	DATE
SUNJOY INC.	10-25-05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
KANE COUNTY DIVISION OF TRANSPORTATION  
ORCHARD ROAD RECONSTRUCTION  
**SUMMARY OF QUANTITIES,  
GENERAL NOTES AND LEGEND**

SCALE: VERT. NONE  
HORIZ. DATE 04-03-05

DRAWN BY  
CHECKED BY