SUMMARY OF QUANTITIES

ITEM _	UNIT	QUANTITY	AUCUTT	ROCHESTER
LIGHT POLE, ALUMINUM, 40 FT MH, 10 FT MAST ARM	EACH	24	12	12
ELECTRIC SERVICE INSTALLATION	EACH	1	1	
LIGHTING CONTROLLER, SPECIAL	EACH	1	1	_
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	220	110	110
LUMINAIRE, SODIUM VAPOR HORIZONTAL MOUNT, 250 WATT	EACH	28	14	14
ELECTRIC UTILITY SERVICE CONNECTION	L. SUM	1	1	-
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	190	190	-
BREAKAWAY DEVICE TRANSFORMER BASE 15" BOLT CIRCLE	EACH	24	12	12
CONDUIT IN TRENCH, 21/2" DIA GALVANIZED STEEL	FOOT	200	200	-
LIGHT POLE FOUNDATION, 24" DIAMETER OFFSET	FOOT	20	10	10
CONDUIT PUSHED 4" DIA. GALVANIZED STEEL	FOOT	194	150	44
ELECTRIC CABLE IN CONDUIT 600 V (XLP-TYPE USE-2) 1/C NO. 1/0	FOOT	220	220	-
UNIT DUCT 600 V, 2-1/C NO.4, 1/C NO.6 GROUND (XLP TYPE USE), 1" POLYETHYLENE	FOOT	4,450	2,250	2,200
LUMINAIRE SHIELD	EACH	3	-	3

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" 0D

GENERAL ELECTRIC MDCL-25-S-0-A-1-1-F-M-C-III-1-X * BALLAST TAPED FOR 240 VOLT CIRCUIT

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."

CONTRACT NO. 63541

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.
- 2. IT SHALL BE THE CONTRACTOR, 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 STAPTING WOOD! TO STARTING WORK.
- 3. THE RESPONSIBILITY FOR COORDINATING FINISHED GRADE ELEVATION WITH THE TOP OF THE FOUNDATION HEIGHTS SHALL BE REMAIN WITH THE CONTRACTOR.
- 4. 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:

- a. TRENCH: ELECTRICAL WARNING TAPE
 b. FOUNDATION: CLASS "SI" CONCRETE, REINFORCEMENT, RACEWAYS.
 ANCHOR BOLTS WITH NUITS & WASHERS.
 c. CONDUIT: CONDUIT AND CONDUIT FITTINGS.
 d. GROUND ROD: GROUND ROD, COPPER WIRE, EXOTHERMIC WELD.
 e. UNIT DUCT/CABLES: UNIT DUCT, CABLES
 f. ELECTRIC CABLES: ELECTRIC CABLES
 g. LIGHT POLE/ARM: POLE DETAILS, SHOP DRAWING, & WIND
 LOAD CALCULATIONS, POLE WIRE
 h. LUMINAIRE: ROADWAY LUMINAIRE WITH BALLAST ASSEMBLY.
 i. ELECTRICAL ITEMS: ELECTRIC TAPES, QUICK DISCONNECT WITH FUSE, LAMPS.
 j. LIGHTING CONTROLLER: CIRCUITRY DETAIL, CATALOG ON MATERIALS, PAINT.
- 5. UNIT DUCT SHALL BE 1" DIA, DUCT WITH 2 NO. 4 (BLACK-RED) 1/c NO.6 (GREEN) GROUND SOLID COLOR CODED INSULATED CONDUCTOR.
- 6. 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.
- 7. THE CONTRACTOR SHALL NOTIFY J.U.L.I.E. AT (1-800-892-0123) TO LOCATE AND MARK/STAKE ALL UNDERGROUND UTILITIES.
- 8. 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.
- 9. THE LIGHT POLE SETBACK SHALL BE FROM THE BACK OF CURB TO THE FACE OF FOUNDATOIN, a. 2.5 FT WHERE MULTIUSE PATH IS LOCATED b. 7.5 FT ON OTHER POLE LOCATIONS
- 10. RESTORATION OF PARKWAY AND PROJECT SITE SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS.
- 11. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL CODES AND ORDINANCES.
- 12. THE PROPOSED TRENCH SHALL BE 30 INCH BELOW FINISHED GRADE
- 13. ALL ELECTRICAL EQUIPMENT AND PRODUCT SHALL BE U/L LISTED AND LABELED.

LEGEND

EXISTING LIGHTING UNIT, 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, 15 FT MAST ARM.
LUMINAIRE HIGH PRESSURE SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT CLEAR LAMP,
240 VOLT BALLAST CWA (AUTO REG)

- STATION NUMBER (TYP) STA 19+42 -- POLE NUMBER (TYP) -LIGHTING CIRCUIT BREAKER DESIGNATION

GROUND ROD, 3/4" DIA. x 10 FT

UNIT DUCT 600 V, 2-1/C NO.4, 1/C NO.6 GROUND (XLP TYPE USE), 1" 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

 $\frac{1/P}{DIA \times L^2}$ CONDUIT IN TRENCH (T) OR PUSHED (P) GALVANIZED STEEL

----- CONDUIT IN TRENCH (T) OR PUSHED (P) GALVANIZED STEEL

THE PREASSEMBLED ELECTRIC CABLE UNIT DUCT SHALL BE INSTALLED AT A MINIMUM DEPTH OF 30 INCHES IN APPROVED METHOD BY THE ENGINEER - BORED AND PULLED AS SPECIFIED IN ARTICLE 816.03. UNIT DUCT INSTALLATION COST FOR BORED PULLED METHOD SHALL BE INCLUDED IN PAY ITEM-"UNIT DUCT 600V, 2-1/C NO.4 ,1/C NO.6 GROUND (XLP- TYPE USE), 1" DIA. POLYETHYLENE"

ELECTRICAL ENGINEER



PROJECT DRAWINGS #E-1 TO #E-11 ARE PREPARED BY SUNJOY INC.

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.



rjngroup 200 West Front Street Wheaton, IL 60187

ILLINOIS DEPARTMENT OF TRANSPORTATION KANE COUNTY DIVISION OF TRANSPORTATION ORCHARD ROAD RECONSTRUCTION AUCUTT RD & ROCHESTER DR LIGHTING IMPROVEMENT

SUMMARY OF QUANTITIES, **GENERAL NOTES AND LEGEND**

SCALE: VERT. NONE DATE 08-01-10

DRAWN BY CHECKED BY

E-1 OF E-11