

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	10-00102-00-LT	COOK	13	2
		ILLINOIS	CONTRACT NO. 63564	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	QUANTITY
* 42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	500
* 44000600	SIDEWALK REMOVAL	SQ FT	500
67100100	MOBILIZATION	L SUM	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
81000700	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	160
81021370	CONDUIT PUSHED, 4" DIA., PVC	FOOT	710
81603090	UNIT DUCT, 600V, 3-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1/4" DIA. POLYETHYLENE	FOOT	5,900
81702460	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 3/0	FOOT	196
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	150
82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	26
83008200	LIGHT POLE, ALUMINUM, 40 FT. M.H., 6 FT. MAST ARM	EACH	26
8300215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	24
83600357	LIGHT POLE FOUNDATION METAL, 15" BOLT CIRCLE, 8" X 8'	EACH	23
83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	26
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	2
84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	2
Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	2.0
X8210405	LUMINAIRE SHIELD	EACH	14
X8250505	LIGHTING CONTROLLER, SPECIAL	EACH	1

* SPECIALTY ITEMS

GENERAL NOTES

- THE EXISTING LIGHTING SYSTEM AT PLUM GROVE AND SCHAUMBURG ROAD INTERSECTION IS OWNED AND MAINTAINED BY THE VILLAGE OF SCHAUMBURG ENGINEERING AND PUBLIC WORKS DEPARTMENT TEL: (847-923-6600) LIGHTING SYSTEM SHALL REMAIN OPERATIONAL THROUGHOUT THE PROJECT AT ALL TIMES BETWEEN DUSK TO DAWN OR AS DIRECTED BY THE ENGINEER. NO LIGHTING CIRCUIT OR PORTION THEREOF SHALL BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.
- BEFORE PERFORMING ANY EXCAVATION, REMOVAL OR INSTANTION WORK AT THE PROJECT SITE, THE CONTRACTOR SHALL NOTIFY THE FIELD ENGINEER VILLAGE OF SCHAUMBURG TEL: 847-923-6600 AND REQUEST FOR VILLAGE PRECONSTRUCTION INSPECTION FOR THE VILLAGE MAINTAINED LIGHTING/ELECTRICAL EQUIPMENT. THE REQUEST FOR THE PRECONSTRUCTION INSPECTION SHALL BE MADE NOT LESS THAN SEVEN (7) CALENDER DAYS PRIOR TO THE DESIRED INSPECTION DATE.
- THE CONTRACTOR SHALL CONDUCT WITH THE VILLAGE ELECTRIC MAINTENANCE CONTRACTOR AN INVENTORY OF THE EXISTING LIGHTING/ELECTRICAL EQUIPMENTS, WHICH WILL BE AFFECTED BY THE IMPROVEMENT. THIS INVENTORY RECORD SHALL BE IN WRITING AND SIGNED BY ALL PARTIES. THE CONTRACTOR SHALL SUBMIT RECORD COPY TO MR. STEVEN WEINSTOCK
- AT THE CONTRACTOR'S REQUEST, THE VILLAGE ELECTRIC MAINTENANCE CONTRACTOR SHALL MARK AND/OR STAKE (ONLY ONCE PER LOCATION), WITHIN PROJECT LIMITS, ALL UNDERGROUND CABLE ROUTES OWNED AND MAINTAINED BY THE VILLAGE, SEVEN (7) DAYS ADVANCE NOTICE IS REQUIRED BY THE VILLAGE ELECTRIC MAINTENANCE CONTRACTOR.
- THE PROPOSED LIGHTING IMPROVEMENT SHALL BE COORDINATED WITH THE ENGINEER. THE CONTRACTOR SHALL GIVE IN WRITING TO THE ENGINEER FOR REVIEW, CONSTRUCTION STAGING FOR THE PROPOSED ROADWAY LIGHTING IMPROVEMENT AND THE CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FROM THE ENGINEER. THE CONTRACTOR SHALL MAINTAIN THE EXISTING LIGHTING SYSTEM AS DESCRIBED IN PAY ITEM- " MAINTANANCE OF LIGHTING SYSTEM"
- BELOW GROUND SPLICING OF THE UNIT DUCT AND CIRCUIT CABLES WILL NOT BE PERMITTED.
- DISCONNECTION OF THE EXISTING CIRCUIT, FURNISHING AND INSTALLING QUICK DISCONNECT WITH FUSES AT THE LIGHT POLE HANDHOLE SHALL BE INCLUDED IN THE PAY ITEM "LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT."
- 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 HIGHWAY LIGHTING SYSTEM PER ARTICLE 801.09 OF THE STANDARD SPECIFICATIONS FOR THE ENGINEER'S INSPECTION AND APPROVAL. THE EXACT LOCATIONS OF ALL OTHER ROADWAY LIGHTING ITEMS, INCLUDING THE 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 WITH THE CONTRACTOR.

GENERAL NOTES

- THE CONTRACTOR SHALL SUBMIT PER ARTICLE 801.05 OF THE STANDARD SPECIFICATIONS FOR THE ENGINEER APPROVAL, WITHIN 30 DAYS AFTER CONTRACT EXECUTION, EIGHT (8) COPIES OF APPROVABLE MANUFACTURER'S PRODUCT DATA AND DETAIL SHOP DRAWINGS THE SUBMITTAL SHALL INCLUDE:
 - TRENCH: ELECTRICAL WARNING TAPE
 - FOUNDATION: CLASS "SI" CONCRETE, REINFORCEMENT, PVC 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
 - ELECTRICAL ITEMS: ELECTRIC TAPES, QUICK DISCONNECT WITH FUSE, LAMPS.
 - LIGHTING CONTROLLER: CABINET DETAILS COLOR, PANEL WIRING, CATALOG CUTS FOR ELECTRICAL MATERIALS.
 - METAL FOUNDATION: FABRICATION DETAILS
 - LIGHT POLE: POLE DETAIL SHOP DRAWING, WIND LOAD CALCULATIONS, POLE WIRING
 - LUMINAIRE: LUMINAIRE CATALOG CUT, LUMINAIRE INTERNAL ELECTRIC COMPONENTS. PHOTOMETRY DATA FILE.
- ALL ELECTRIC CABLE CIRCUIT SHALL BE FULLY PIGMENTED COLOR CODED AND TAGGED AS SHOWN ON THE DRAWINGS.
 - RED/BLACK - CIRCUIT PHASE WIRES
 - WHITE-NEUTRAL.
 - GREEN-GROUND
- THE CONTRACTOR SHALL SUBMIT FOUR (4) SETS, OF RECORD DRAWINGS FULL SIZE COMPLETE, NEAT AND ACCURATE TO THE ENGINEER FOR REVIEW AND COMMENT, AS SPECIFIED PER ARTICLE 801.16 OF THE STANDARD SPECIFICATIONS. THE "RECORD DRAWINGS" SHALL BE UPDATED ON A 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 LIGHT POLE SETBACK SHALL BE 3.0' FROM THE BACK OF CURB (B6.24) TO THE FACE OF FOUNDATION.
- RESTORATION OF PARKWAY AND PROJECT SITE SHALL BE INCIDENTAL TO CONTRACT IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS AND THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL CODES AND ORDINANCES.
- THE PROPOSED TRENCH SHALL BE (30 INCH) BELOW FINISHED GRADE, PER SECTION 819 OF THE STANDARD SPECIFICATIONS.
- ALL ELECTRICAL EQUIPMENT AND PRODUCT SHALL BE UL LISTED AND LABELED
- POLE FUSES AND ASSOCIATED HARDWARE/MATERIAL AND INSTALLATION SHALL BE INCLUDED IN THE LUMINAIRE PAY ITEM.
- THE ENGINEER WILL NOT AUTHORIZE PARTIAL ACCEPTANCE OF THE PROJECT. FINAL INSPECTION AND ACCEPTANCE OF THE PROJECT WILL ONLY BE PERMITTED PER ARTICLE 801.15 OF THE STANDARD SPECIFICATIONS.
- ALL WORK SHALL BE COORDINATED WITH THE CONCURRENT RECONSTRUCTION PROJECT ACCORDING TO THE SPECIAL PROVISIONS.
- THE CONTRACTOR SHALL VERIFY BOLT CIRCLE OF EXISTING LIGHT POLE TO BE REMOVED.
- POLYETHYLENE DUCT WITH ELECTRIC CABLE (XLP-TYPE USE) SHALL MEET THE REQUIREMENTS OF THE ARTICLE 816 OF THE STANDARD SPECIFICATIONS.

CIRCUIT CABLES

ALL CONDUCTORS SHALL BE INDIVIDUALLY FULLY PIGMENTED/COLOR CODED. THE COLOR CODED INSULATION FOR EACH WIRE SHALL RUN THE ENTIRE LENGTH OF THE CONDUCTOR FROM THE CIRCUIT BREAKER TO THE LUMINAIRE WITH THE SAME COLOR.

CAUTION

"THE CONTRACTOR MUST VERIFY WITH UTILITIES AGENCIES (AT&T, COMED, CAMCAST, NICOR, VINAKOM ETC.) 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."

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, 3-1/C NO.4, 1/C NO.6 GROUND (XLP- TYPE USE), 1/4" DIA. POLYETHYLENE"

LEGEND

- EXISTING LIGHTING UNIT TO REMAIN IN PLACE MAINTAINED BY THE VILLAGE
- EXISTING LIGHTING UNIT TO REMAIN IN PLACE MAINTAINED BY COMED
- EXISTING DECORATIVE LIGHTING UNIT REMAIN IN PLACE, MAINTAINED BY THE VILLAGE
- DECORATIVE LUMINAIRE MOUNTED ON LIGHT POLE, 2- 70 WATT HPS LAMP
- LIGHT POLE, ALUMINUM 40 FT MOUNTING HEIGHT, 6 FT MAST ARM 15" DIA BOLT CIRCLE. LUMINAIRE 250 WATT HPS M.C.III 240 VOLT (LINE TO NEUTRAL) MULTI-TAP BALLAST AUTO-REG TYPE POLE MOUNTED ON BREAKAWAY TRANSFORMER BASE
- HPS LAMP WATTAGE
40 - 400 WATT HPS LAMP
25 - 400 WATT HPS LAMP
- STATION FOR POLE LOCATION
- PHASE WIRE COLOR
POLE NUMBER IN CIRCLE
BRANCH CIRCUIT BREAKER DESIGNATION
- EXISTING LIGHTING CONTROLLER, REMAIN IN PLACE, MAINTAINED BY THE VILLAGE
- EXISTING BURIED LIGHTING CIRCUIT THE CONTRACTOR MUST VERIFY IN FIELD
- EXISTING LIGHTING CIRCUIT TO BE ABANDONED
- SERVICE CABLE CONDUIT 600 V (XLP-TYPE USE) 3 1/C NO. 3/0 2 1/2" DIA. CONDUIT
- PROPOSED POLYETHYLENE UNIT DUCT 3-1/C NO. 4 & 1-1/C NO. 6 GROUND, 600 V (XLP-TYPE USE), 1/4" DIA. POLYETHYLENE. CABLE SHALL BE FULLY PIGMENTED COLOR CODED
- GROUND ROD, 3/8" DIA. x 10 FT
- PROPOSED UTILITY SERVICE, TRANSFORMER POLE MOUNTED
- CONDUIT PVC (SCH. 80)
D x L x T/P
T IN TRENCH
P PUSHED
LENGTH
DIAMETER
- LIGHTING CONTROLLER SPECIAL
- UTILITY PAD MOUNTED TRANSFORMER
- CONDUIT PVC SCH. 80
T=TRENCH, P=PUSH
DIA x FT

NOTE:

- 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.

Sunjoy Inc.
Area Lighting
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SCHAUMBURG, ILLINOIS
60193-1572

REVISIONS	
NAME	DATE

VILLAGE OF SCHAUMBURG, ILLINOIS
DEPARTMENT OF ENGINEERING AND PUBLIC WORKS
ROADWAY LIGHTING IMPROVEMENTS
PLUM GROVE ROAD
SUMMARY OF QUANTITIES,
GENERAL NOTES AND LEGEND
SCALE: NONE
DATE: 9-21-09
DRAWN BY: HKQ
CHECKED BY: JS