

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	QUANTITY
80400100	ELECTRIC SERVICE INSTALLATION	EACH	2
80400200	ELECTRIC UTILITY SERVICE CONNECTION	L. SUM	1
81000700	CONDUIT IN TRENCH, 2 1/2" DIA GALVANIZED STEEL	FOOT	115
81021370	CONDUIT PUSHED, 4" DIA PVC	FOOT	488
81702460	ELECTRIC CABLE IN CONDUIT 600 V (XLP-TYPE USE) 3-1/C NO. 3/0	FOOT	200
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	150
82102400	LUMINAIRE, SODIUM VAPOR HORIZONTAL MOUNT, 400 WATT	EACH	4
82500505	LIGHTING CONTROLLER, SPECIAL	EACH	2
83050760	LIGHT POLE, ALUMINUM, 47 1/2 FT M.H., 8 FT MAST ARM	EACH	4
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	250
83600215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	28
83800205	BREAKAWAY DEVICE TRANSFORMER BASE 15" BOLT CIRCLE	EACH	4
XX008283	POLYETHYLENE DUCT BORED AND PULLED, 1/4" DIA WITH ELECTRIC CABLE, 600 V (XHHW-2), 5-1/C NO.6 AND 1-1/C NO.6 GROUND	FOOT	1500
X0326654	ORNAMENTAL LIGHT UNIT COMPLETE	EACH	40
	ELECTRIC CABLE IN CONDUIT 600 V (XHHW-2) 7-1/C NO.6 1/C NO. 6 GROUND	FOOT	850
	POLYETHYLENE DUCT BORED AND PULLED, 1/4" DIA WITH ELECTRIC CABLE, 600 V (XHHW-2), 2-1/C NO.6 AND 1-1/C NO.6 GROUND	FOOT	2250
	POLYETHYLENE DUCT BORED AND PULLED, 1/2" DIA WITH ELECTRIC CABLE, 600 V (XHHW-2), 7-1/C NO.6 AND 1-1/C NO.6 GROUND	FOOT	1800

ORNAMENTAL LIGHTING UNIT COMPLETE

POLE HEIGHT	STEEL MAST ARM	FESTOON-OUTLET 20A GF1	LUMINAIRE 200W HPS	QUANTITY
24'-3"	6 FT	YES	YES	19
24'-3"	6 FT	NO	YES	15
21'-6"	6 FT	YES	YES	6
TOTAL				40 EACH

GROUND ROD:

THE CONTRACTOR SHALL FURNISH AND INSTALL AS IDENTIFIED ON THE PROJECT PLANS GROUNDING ROD WITH THE FOLLOWING APPLICABLE PAY ITEMS.

- #836 - LIGHT POLE FOUNDATION
- #825 - LIGHTING CONTROLLER
- #814 - HANDHOLE
- #813 - JUNCTION BOX
- #804 - ELECTRIC SERVICE INSTALLATION
- #830 - LIGHT POLE WOOD

THE GROUNDING ROD DIAMETER AND LENGTH IS NOTED ON THE PROJECT PLANS. THE GROUNDING ROD SHALL CONFORM TO THE ARTICLE #1087.01 (b) OF THE STANDARD SPECIFICATIONS.

THIS ITEM SHALL ALSO INCLUDE BARE COPPER GROUNDING ELECTRODE CONDUCTOR (SIZE AS SHOWN ON THE PLAN) AND MECHANICAL GROUND CLAMP (UL LISTED) AND/OR EXOTHERMIC WELD CONNECTION FOR CONTINUOUS GROUNDING (NEC ARTICLE #250) FOR ELECTRIC POWER SERVICE AND SYSTEM EQUIPMENT.

THE GROUNDING ROD SHALL BE INSTALLED AS SHOWN IN THE CONTRACT PLANS AND AS DIRECTED BY THE ENGINEER. MATERIAL COST OF GROUNDING ROD WITH ATTACHED APPURTENANCES AND LABOR COST FOR INSTALLATION SHALL NOT BE PAID SEPARATELY BUT SHALL BE INCLUDED WITH THE ABOVE ASSOCIATED PAY ITEMS.

GENERAL NOTES

- 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.
- BELOW GROUND SPlicing OF THE UNIT DUCT AND CIRCUIT CABLES WILL NOT BE PERMITTED.
- 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 SECTION 801.09 OF THE STANDARD SPECIFICATIONS FOR THE ENGINEER'S INSPECTION AND APPROVAL. 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 WITH THE CONTRACTOR.
- THE CONTRACTOR SHALL SUBMIT PER SECTION 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 TO THE ATTENTION OF MR. STEPHEN TRAVIA BUREAU OF TRAFFIC DISTRICT #1, ILLINOIS DEPARTMENT OF TRANSPORTATION, 201 WEST CENTER COURT, SCHALMBURG, IL 60196, AND TO THE PLAINFIELD TOWNSHIP HIGHWAY DEPARTMENT ENGINEER 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.
- 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 SECTION 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.
- ~~RESTORATION OF PARKWAY AND PROJECT SITE SHALL BE 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 INCHES BELOW FINISHED GRADE, PER SECTION 819 OF THE STANDARD SPECIFICATIONS.
- ALL ELECTRICAL EQUIPMENT AND PRODUCT SHALL BE UL LISTED AND LABELED.
- POLE FUSES AND FUSE HOLDERS 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 SECTION 801.15 OF THE STANDARD SPECIFICATIONS.
- POLYETHYLENE DUCT WITH ELECTRIC CABLE (XLP-TYPE USE) SHALL MEET THE REQUIREMENTS OF THE ARTICLE 816 OF THE STANDARD SPECIFICATIONS.
- PVC CONDUIT SHALL BE SCHEDULE 80 AND SHALL MEET THE REQUIREMENTS ARTICLE 1088.01 (b) OF THE STANDARD SPECIFICATIONS.
- PENDENT MOUNT LUMINAIRE SHALL BE FURNISHED AND INSTALLED WITH LAMP GRIP RETAINER.

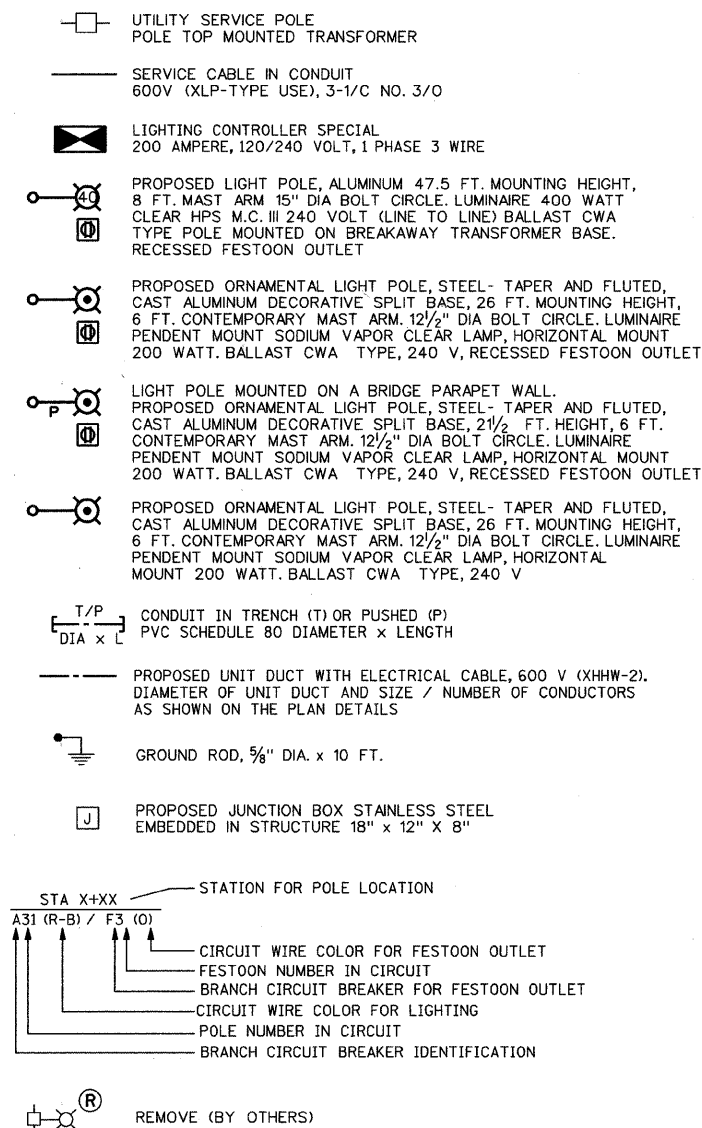
CAUTION

"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."

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR55	90-16103-01-BR	WILL	255	107
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83126

LEGEND



NOTE:

- 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.



Sunjoy Area Lighting
212 TIMBERCREST DRIVE
SCHALMBURG, ILLINOIS
60193-1572

ILLINOIS DEPARTMENT OF TRANSPORTATION
T.R. 55 (RENNICK RD.)
PLAINFIELD TOWNSHIP, WILL COUNTY

SUMMARY OF QUANTITIES, GENERAL NOTES AND LEGEND

SCALE: NONE
DATE: OCT. 30, 2009
DRAWN BY: HKQ
CHECKED BY: JS

REVISED 2-27-10

C:\SUNJOY\Projects\RENNICK ROAD\E-1_of_E-17.dgn

4/8/2010