

**SUMMARY OF QUANTITIES**

CONSTRUCTION TYPE CODE Y030-1E

CODE NO	DESCRIPTION	UNIT	QUANTITY
* 42400200	PORTLAND CEMENT CONCRETE SIDEWALK, 5"	SO. FT	825.00
* 44000600	SIDEWALK REMOVAL	SO. FT	825.00
67100100	MOBILIZATION	L. SUM	1.00
70102620	TRAFFIC CONTROL AND PROTECTION-701501	L. SUM	1.00
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1.00
80400200	ELECTRIC UTILITY SERVICE CONNECTION	L. SUM	1.00
81000700	CONDUIT TRENCH, 2 1/2" DIA GALVANIZED STEEL	FOOT	130.00
81021370	CONDUIT PUSHED, 4" DIA PVC	FOOT	176.00
81702460	ELECTRIC CABLE IN CONDUIT 600 V (XLP-TYPE USE) 3-1/C NO. 3/0	FOOT	155.00
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	500.00
82500505	LIGHTING CONTROLLER, SPECIAL	EACH	1.00
84200806	REMOVAL OF POLE FOUNDATION, CONCRETE	EACH	2.00
XX008282	LIGHT POLE FOUNDATION METAL 8" x 8 FT, 10" BOLT CIRCLE	EACH	37.00
XX008283	POLYETHYLENE DUCT BORED AND PULLED, 1 1/4" DIA WITH ELECTRIC CABLE 600 V (XHHW-2), 5-1/C NO. 6 AND 1-1/C NO. 6 GROUND	FOOT	3,500.00
XX008284	ORNAMENTAL LIGHT POLE, ALUMINUM WITH CONTEMPORARY ARM	EACH	37.00
XX008285	LUMINAIRE, BELL SHAPE SHADE, METAL HALIDE, PENDENT MOUNT	EACH	37.00

\* DENOTE SPECIALTY ITEMS

**GENERAL NOTES**

- THE EXISTING LIGHTING SYSTEM WITH CONTROLLER IS OWNED AND MAINTAINED BY THE THE CITY OF BRAIDWOOD THE EXISTING 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 INSTALLATION WORK AT THE PROJECT SITE, THE CONTRACTOR SHALL NOTIFY THE FIELD ENGINEER CITY OF BRAIDWOOD AND REQUEST FOR PRECONSTRUCTION INSPECTION FOR THE 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 CITY OF BRAIDWOOD 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 CITY OF BRAIDWOOD.
- AT THE CONTRACTOR'S REQUEST, THE CITY OF BRAIDWOOD SHALL MARK AND/OR STAKE (ONLY ONCE PER LOCATION), WITHIN PROJECT LIMITS, ALL UNDERGROUND CABLE ROUTES OWNED AND MAINTAINED BY THE CITY, SEVEN (7) DAYS ADVANCE NOTICE IS REQUIRED BY THE CITY OF BRAIDWOOD.
- 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.
- 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 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 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
  - TRENCH: ELECTRICAL WARNING TAPE
  - FOUNDATION:
    - OFFSET FOUNDATION: CLASS "SI" CONCRETE, REINFORCEMENT, PVC RACEWAYS, ANCHOR BOLTS WITH NUTS & WASHERS.
    - FOUNDATION METAL: FABRICATION, STUD BOLTS, NUTS AND 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 BALLAST ASSEMBLY, PHOTOMETRY FILE & LIGHTING LEVEL CALCULATIONS
  - 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 - LIGHTING CIRCUIT (LINE TO LINE)
  - WHITE - YELLOW/BLUE - FESTOON CIRCUIT (LINE TO 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.
- THE LIGHT POLE SETBACK VARIES FROM THE BACK OF CURB TO THE FACE OF FOUNDATION. THE CONTRACTOR SHALL VERIFY IN FIELD WITH THE ENGINEER.
- 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 LATEST 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, FUSE HOLDERS 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 SECTION 801.15 OF THE STANDARD SPECIFICATIONS.
- THE ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT 847-705-4470, MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.

**LEGEND**

- EXISTING LIGHTING UNIT TO BE REMOVED, AND SALVAGE, BY OTHERS. (WOOD POLE WITH MAST ARM AND LUMINAIRE)
- EXISTING AERIAL CABLE TO BE REMOVED, BY OTHERS
- EXISTING LIGHTING POLE, REMAIN IN PLACE MAINTAINED BY THE CITY OF BRAIDWOOD 47.5' MH, 12' M.A. 310 W. HPS LAMP.
- EXISTING WOOD POLE, TO BE REMOVED AND SALVAGE, BY OTHERS
- LIGHTING FOUNDATION TO BE REMOVED
- EXISTING UTILITY SERVICE, POLE
- ELECTRIC SERVICE CABLE IN CONDUIT 600 V (XLP-TYPE USE), 3-1/c NO. 3/0 2 1/2" DIA CONDUIT
- LIGHTING CONTROLLER SPECIAL 200 AMPERE, 120/240 VOLT, 1 PHASE, 3 WIRE
- GROUND ROD, 5/8" DIA. x 10 FT
- PROPOSED ORNAMENTAL LIGHTING UNIT, ALUMINUM, 18 FT FLUTED POST WITH 16" DIA CAST ALUMINUM BASE, 10 DIA BOLT CIRCLE. POST TOP MOUNTED CONTEMPORARY ALUMINUM ARM 30", DUPLEX RECEPTACLE IN NEMA 3R HOUSING AND PROVISION FOR ONE PAIR OF BANNER ARM. POLE AND ARM PAINTED IN BLACK. LUMINAIRE, PENDENT MOUNT BELL SHAPE SHADE ALUMINUM HOUSING, FLAT TEMPERED GLASS LENS. 70 WATT CLEAR METAL HALIDE LAMP. MULTITAP BALLAST. REACTOR TYPE (HIGH POWER FACTOR LAG) 240 VOLT (LINE TO LINE) LUMINAIRE PAINTED IN BLACK
- FESTOON OUTLET DUPLEX 20 AMP, 120 VOLT, GFCI.
- T-TRENCH, P-PUSHED
- PVC CONDUIT
- D-DIAMETER AND L-LENGTH
- STA X+XX STATION FOR LIGHTING UNIT
- PHASE WIRE COLOR
- FESTOON OUTLET NUMBER IN CIRCUIT
- FESTOON CIRCUIT BREAKER IDENTIFICATION
- POLE NUMBER IN CIRCUIT
- BRANCH CIRCUIT BREAKER IDENTIFICATION
- PROPOSED POLYETHYLENE DUCT BORED AND PULLED, 1 1/4" DIA WITH ELECTRIC CABLE, 600 V (XHHW-2), 5-1/C NO. 6 & 1-1/C NO. 6 GROUND FULLY PIGMENTED COLOR CODED CABLE
  - B-BLACK } LIGHTING CIRCUIT (LINE TO LINE)
  - R-RED } LIGHTING CIRCUIT (LINE TO LINE)
  - G-GREEN (GROUND)
  - W-WHITE - (NEUTRAL)
  - Y-YELLOW - (NEUTRAL)
  - BL-BLUE } FESTOON CIRCUIT (LINE TO NEUTRAL)

**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 ADOPTED IN 2008 BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

**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."



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
CITY OF BRAIDWOOD, WILL COUNTY  
ILLINOIS ROUTE 113 (MAIN STREET)  
ORNAMENTAL LIGHTING IMPROVEMENT  
**SUMMARY OF QUANTITIES,  
GENERAL NOTES AND LEGEND**

SCALE: \_\_\_\_\_  
DATE: 10-15-09

DRAWN BY: HKQ  
CHECKED BY: JS