

### SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	QUANTITY
* 42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	500
* 44000600	SIDEWALK REMOVAL	SO 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	2
80400200	ELECTRIC UTILITY SERVICE CONNECTION	L. SUM	1
81000700	CONDUIT IN TRENCH, 2 1/2" DIA GALVANIZED STEEL	FOOT	470
81021370	CONDUIT PUSHED, 4" DIA PVC	FOOT	1,475
81603090	UNIT DUCT 600 V, 3-1/C NO.4, 1/C NO.6 GROUND (XLP TYPE-USE), 1 1/2" DIA. POLYETHYLENE	FOOT	20,360
81702460	ELECTRIC CABLE IN CONDUIT 600 V (XLP-TYPE USE) 3-1/C NO. 3/0	FOOT	530
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	450
82102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	124
83050710	LIGHT POLE, ALUMINUM, 47.5 FT M.H., 6 FT MAST ARM	EACH	124
X83050215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	96
83600357	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8" x 8"	EACH	112
83800205	BREAKAWAY DEVICE, TRANSFORMER BASE 15 INCH BOLT CIRCLE	EACH	124
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1
84500120	REMOVAL ELECTRIC SERVICE INSTALLATION	EACH	1
84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1
Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	6
X8040310	ELECTRICAL SERVICE DISCONNECT	EACH	2
X8250505	LIGHTING CONTROLLER, SPECIAL	EACH	2

\* SPECIALTY ITEMS

### GENERAL NOTES

- THE EXISTING LIGHTING SYSTEM SOUTH AND NORTH ON BASSWOOD ROAD, SOUTH ON COMMONS DRIVE, SOUTH AND NORTH NATIONAL PARKWAY, NORTH ON ROOSEVELT ROAD, NORTH ON EAST DRIVE IS MAINTAINED BY THE VILLAGE OF SCHAUMBURG. EXISTING CIRCUIT SYSTEM AT WOODFIELD SHOPPING AREA, ON WEST DRIVE, MIDDLE DRIVE AND EAST DRIVE IS MAINTAINED BY THE PRIVATE DEVELOPER BOTH EXISTING LIGHTING SYSTEM IS SEPARATE FROM THE PROPOSED GOLF ROAD LIGHTING IMPROVEMENT.
- 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
- 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 AND REMOVAL OF THE EXISTING CIRCUITS, FURNISHING AND INSTALLING QUICK DISCONNECT WITH FUSES AND CIRCUIT CABLES IN THE LIGHT POLE SHALL BE INCLUDED IN THE PAY ITEM "LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 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 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 ISSUED BY THE VILLAGE OF SCHUMBURG.
- 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.
- THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT 847-705-4470. A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.

### LEGEND

- EXISTING LIGHTING UNIT, REMIAN IN PLACE MAINTAINED BY THE STATE 48' MH, 8' MA 400W HPS, M-C-III
- EXISTING LIGHT TOWER UNIT, REMIAN IN PLACE MAINTAINED BY THE STATE 100' MH, 3-700W HPS, M-C-III
- EXISTING LIGHTING UNIT, REMIAN IN PLACE MAINTAINED BY PRIVATE DEVELOPERS 40' MH, 0.75' MA 400W HPS, M-C-III
- EXISTING TWIN ARM LIGHTING UNIT, REMIAN IN PLACE MAINTAINED BY PRIVATE DEVELOPERS 50' MH, 2-0.75' MA 400W HPS
- EXISTING LIGHTING UNIT, REMIAN IN PLACE MAINTAINED BY THE VILLAGE OF SCHAUMBURG 30' MH, 6' MA 200 HPS
- EXISTING LIGHTING UNIT, REMIAN IN PLACE MAINTAINED BY THE VILLAGE OF SCHAUMBURG 40' MH, 6' MA 250 HPS
- EXISTING TWIN ARM LIGHTING UNIT, REMIAN IN PLACE MAINTAINED BY THE VILLAGE OF SCHAUMBURG 40' MH, 2'-6" MA 250W HPS, M-C-III
- EXISTING LIGHTING CONTROLLER TO BE REMOVED
- EXISTING ELECTRIC UTILITY SERVICE PAD MOUNTED TRANSFORMER
- EXISTING LIGHTING CIRCUIT
- GROUND ROD, 5/8" DIA x 10 FT (PLEASE REFER SHEET \*E-3 FOR NOTE)
- PROPOSED UNIT DUCT BORED AND PULLED UNIT DUCT 600 V, 3-1/C NO. 4, 1/C NO. 6 GROUND (XLP TYPE-USE), 1 1/2" POLYETHYLENE
- LIGHTING CONTROLLER, SPECIAL 200 AMPERE, 240/480 VOLT, 1 PHASE, 3 WIRE, PHOTOCCELL CONTROL
- SERVICE CABLE IN CONDUIT ELECTRIC CABLE IN CONDUIT 600 V (XLP-TYPE USE-2), 3-1/C NO. 3/0 2 1/2" DIA CONDUIT
- PROPOSED LIGHT POLE, ALUMINUM 47.5 FT MOUNTING HEIGHT, 6 FT MAST ARM, 15" DIA BOLT CIRCLE, LUMINAIRE 400 WATT CLEAR HPS LAMP, M-C-III, MULTI TAP CWA BALLAST (240 VOLT LINE TO NEUTRAL) POLE MOUNTED ON METAL FOUNDATION WITH BREAKAWAY TRANSFORMER BASE
- PVC CONDUIT, SCHEDULE 80 CONDUIT IN TRENCH (T) OR PUSHED (P)
- LENGTH  
DIAMETER
- STA.  
A3 (R)
- COLOR OF PHASE WIRE
- POLE NUMBER IN CIRCUIT
- BRANCH CIRCUIT BREAKER IDENTIFICATION
- EXISTING TRAFFIC SIGNAL POLE
- REMOVE EXISTING ABANDONED CIRCUIT

### 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.

### UTILITIES

- EXISTING ROW
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING GAS LINE
- EXISTING ELECTRIC CABLE
- EXISTING TELEPHONE LINE

UTILITIES INFORMATION FOR REFERENCE ONLY (BY OTHERS). SUNJOY INC. IS NOT RESPONSIBLE FOR ANY ERROR AND OMISSION. THE CONTRACTOR SHOULD VERIFY EACH UTILITY WITH THE RESPECTIVE UTILITY COMPANY OR VILLAGE OF SCHAUMBURG.

THE PREESEMBLED 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 1/2" DIA. POLYETHYLENE"



REVISIONS	
NAME	DATE
SUNJOY INC.	9/18/10

VILLAGE OF SCHAUMBURG, ILLINOIS  
DEPARTMENT OF ENGINEERING AND PUBLIC WORKS  
IL ROUTE 58 (GOLF ROAD) LIGHTING IMPROVEMENTS  
BASSWOOD ROAD TO I-290 UNDERPASS  
SUMMARY OF QUANTITIES,  
GENERAL NOTES, LEGEND

SCALE: NONE  
DATE: 10-05-09  
DRAWN BY: HKO  
CHECKED BY: JS

C:\SUNJOY\Projects\Village of Schaumburg\Golf Road\17 - W - Sum - Quan.dgn 3/10/2011