

**GENERAL NOTES :**

1. ALL WORK TO CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND ANY APPLICABLE LOCAL CODES.
2. CONTRACTOR TO VERIFY LOCATION OF ALL UNDERGROUND UTILITIES BEFORE TRENCHING OR AUGURING.
3. BEFORE INSTALLING STANDARDS NEAR OVERHEAD FACILITIES CALL ComEd FOR APPROVAL OF LOCATION.
4. FOR LOCATION OF EXISTING UNDERGROUND ELECTRICAL CABLE CALL ComEd.
5. ALL CONDUIT TO BE 2.5" DIAMETER UNLESS OTHERWISE SPECIFIED.
6. ANY TREE TRIMMING REQUIRED AS DIRECTED BY THE ENGINEER SHALL BE PERFORMED BY THE CONTRACTOR, AND THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE LIGHT POLE ITEMS.
7. CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO RESTORE ANY SPECIALIZED LANDSCAPING, (i.e. DECORATIVE ROCKS, SHRUBS, PLANTS, ETC.) OR SHALL REPLACE IT, THE COST OF WHICH SHALL BE CONSIDERED INCIDENTAL TO THE LIGHT POLE ITEMS.
8. A PERMIT FOR THIS PROJECT SHALL BE REQUIRED FROM THE COOK COUNTY HIGHWAY DEPARTMENT. THE PERMIT HAS BEEN APPLIED FOR BUT THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING THIS PERMIT, PERMIT BOND AND ANY OTHER ASSOCIATED FEES BEFORE CONSTRUCTION BEGINS.
9. THE EXACT LOCATIONS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE LIGHTING SYSTEM. FOR THE LOCATIONS OF THE UTILITIES, CALL JULIE TOLL FREE AT 1-800-692-0123. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE EXISTING TRAFFIC SIGNAL CABLES AND CONDUITS.
10. CARE IS TO BE TAKEN AS NOT TO DAMAGE ANY OF THE EXISTING TRAFFIC SIGNAL CONDUITS, DETECTORS AND EQUIPMENT. IF ANY OF THE TRAFFIC SIGNAL CONDUIT AND/OR EQUIPMENT IS DAMAGED, THE CONTRACTOR SHALL REPAIR AND/OR REPLACE THE CONDUIT AND/OR EQUIPMENT AT NO COST TO THE COUNTY, STATE, OR THE VILLAGE.
11. THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENT FOR BURIED WARNING TAPE, SPECIFIED AS PART OF "TRENCH AND BACKFILL FOR ELECTRICAL WORK". THE INSTALLATION OF THE TAPE SHALL BE INSPECTED AND APPROVED BY THE RESIDENT ENGINEER PRIOR TO BACKFILLING OR DURING FLOWING OPERATIONS, AS APPLICABLE.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF FINISHED GRADE. THE RESIDENT ENGINEER MAY ASSIST THE CONTRACTOR, AS APPLICABLE, BUT THE RESPONSIBILITY FOR COORDINATING THE FINISHED GRADE ELEVATION WITH THE TOP OF THE FOUNDATION HEIGHTS AND THE LIGHT SHALL REMAIN WITH THE CONTRACTOR.
13. NO POLES SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE CURED, AS APPROVED BY THE ENGINEER.
14. THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENTS FOR WIRE MARKERS AND SHALL TAG ALL WIRE MARKERS AND SHALL TAG ALL WIRE ACCORDINGLY.
15. EQUIPMENT GROUND CONDUCTORS SHALL BE SPLICED AND BONDED AT EACH LIGHT POLE OR OTHER PIECE OF EQUIPMENT.
16. CONDUIT AND UNIT DUCT MUST BE POSITIONED IN THE FIELD TO AVOID CONFLICT WITH TREES, BUSHES, DRAINS AND OTHER UTILITIES AND LANDSCAPING.
17. ALL DISTURBED AREAS WHERE RESTORATION IS NOT COVERED BY APPLICABLE SECTIONS OF THE SPECIAL PROVISIONS MUST BE RESTORED TO THE SATISFACTION OF THE ENGINEER. THE COST OF WHICH SHALL BE INCLUDED IN THE COST OF THE LIGHT POLE ITEMS.
18. THE EXACT LOCATIONS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE LIGHTING SYSTEM. FOR THE LOCATIONS OF THE UTILITIES, CALL JULIE TOLL FREE AT 1-800-892-0123. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE EXISTING TRAFFIC SIGNAL CABLES AND CONDUITS.
19. 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.
20. ANY SIGNS AND BANNERS ON EXISTING LIGHT POLES SHALL BE REMOVED AND REINSTALLED ON THE NEW POLES. THE CONTRACTOR AND RESIDENT ENGINEER SHALL TAKE AN INVENTORY OF THE LOCATIONS OF THE POLE MOUNTED SIGNS, AND SHALL RELOCATE THEM TO THE NEW POLES CLOSEST TO THE EXISTING POLES, PRIOR TO REMOVAL OF THE OLD POLES. THE COST OF THIS SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE LIGHT POLE ITEMS.
21. ALL EXCAVATED SOILS FROM HARLEM AVENUE (IL43) MUST REMAIN IN THE STATE R.O.W. AND SHALL NOT BE MOVED OFF SITE OR PLACED ELSEWHERE ON THE PROJECT UNLESS DIRECTED BY THE ENGINEER.
22. SAW CUT JOINTS -- THE REMOVAL AND/OR REPLACEMENT OF ANY DRIVEWAYS, PAVEMENT, CURB, SIDEWALK, ETC., SHALL BE ACCOMPLISHED BY MEANS OF A SAW CUT JOINT AT THE DIRECTION OF THE ENGINEER. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE VARIOUS ITEMS.
23. FOR IDOT MAINTAINED LIGHT POLES FINAL DECISION FOR SALVAGE OR NO SALVAGE TO BE DETERMINED DURING SITE MEETING WITH IDOT MAINTENANCE DEPARTMENT PERSONNEL. CONTRACTOR SHALL CALL IDOT TO SETUP MEETING.

**SUMMARY OF QUANTITIES**

S.I.	CODE NO.	PAY ITEM	UNIT	QUAN	CONSTRUCTION TYPE CODE		
					SAFETY 0021	LANDSCAPE 0031	TRAINEES 0042
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	4839		4839	
	X213 0010	EXPLORATION TRENCH, SPECIAL	FOOT	300	300		
	25200110	SODDING, SALT TOLERANT	SQ YD	4839		4839	
	25200200	SUPPLEMENTAL WATERING	UNIT	188		188	
*	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	5225	5225		
*	44000600	SIDEWALK REMOVAL	SQ FT	5225	5225		
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12		
	67100100	MOBILIZATION	L SUM	1	1		
	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1		
	70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1		
	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1		
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1		
	80400100	ELECTRIC SERVICE INSTALLATION	EACH	4	4		
	80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1	1		
	81018600	CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL	FOOT	9300	9300		
	81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	535	535		
	81702460	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 3/0	FOOT	475	475		
	81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	22100	22100		
	82102150	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 150 WATT	EACH	2	2		
	82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	161	161		
	82102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	31	31		
	83002400	LIGHT POLE, ALUMINUM, 40 FT. M.H., 10 FT. DAVIT ARM	EACH	109	109		
	83002500	LIGHT POLE, ALUMINUM, 40 FT. M.H., 12 FT. DAVIT ARM	EACH	19	19		
	83002600	LIGHT POLE, ALUMINUM, 40 FT. M.H., 15 FT. DAVIT ARM	EACH	36	36		
	83050775	LIGHT POLE, ALUMINUM, 40 FT. M.H., 15 FT. DAVIT ARM	EACH	13	13		
	83050775	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 10 FT. DAVIT ARM	EACH	5	5		
	83050805	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 12 FT. DAVIT ARM	EACH	12	12		
	83050825	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. DAVIT ARM	EACH	12	12		
	83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	1225	1225		
	83600215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	7	7		
	83600357	LIGHT POLE FOUNDATION METAL, 15" BOLT CIRCLE, 8" X 8"	EACH	18	18		
	83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	194	194		
	84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	127	127		
	84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	7	7		
	84200804	REMOVAL OF POLE FOUNDATION,	EACH	134	134		
	84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	6	6		
	84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	6	6		
	82500505	LIGHTING CONTROLLER, SPECIAL	EACH	4	4		
	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	52	52		
	Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	12	12		
	Z0078600	TRAINEES	HOUR	500		500	
	81603176	UNIT DUCT, 600V, 6-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	33790	33790		

\* - INDICATES SPECIALTY ITEMS

PLAN	DATE
BY	
REVISIONS	
PLOTTED	
ALIGNMENT CHECKED	
NOTE BOOK	
NO.	
FILE NAME	

PROFILE	DATE
BY	
REVISIONS	
PLOTTED	
GRADES CHECKED	
NOTE BOOK	
S.M. NOTED	



FILE NAME = 09301-QUAN-01 - P01

USER NAME =	DESIGNED -- PAP	REVISED -- 07-15-10
	CHECKED -- PKB	REVISED -- 07-30-10
PLOT SCALE = N/A	DRAWN -- MJD	REVISED -- 08-20-10
PLOT DATE = 04-28-10	CHECKED -- DWS	REVISED --

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCALE: N/A SHEET NO. 2 OF 19 SHEETS STA. N/A TO STA. N/A

HARLEM AVENUE  
STREET LIGHTING  
SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	06-00054-00-LT	COOK	19	2
CONTRACT NO. 63477				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARE-TE-00D1(808)				