

GENERAL NOTES

1. THIS PROJECT INCLUDES THE INSTALLATION OF PEDESTRIAN LIGHTING ALONG MILWAUKEE AVE BETWEEN HOWARD ST. AND HARLEM AVE. INCLUDING PEDESTRIAN LIGHTING ALONG HOWARD ST AND HARLEM AVE. AT THE INTERSECTION WITH MILWAUKEE. PEDESTRIAN LIGHTING SHALL ALSO BE INSTALLED AT THE INTERSECTION OF MILWAUKEE AVE. AND OAKTON ST.
 2. THE CONTRACTOR SHALL CONTACT THE ELECTRIC UTILITY COMPANY TO COORDINATE THE ELECTRIC SERVICE WORK.
 3. THE CONTRACTOR SHALL SUBMIT FOR THE RESIDENT ENGINEER'S REVIEW WITHIN 30 DAYS AFTER CONTRACT EXECUTION, EIGHT COPIES OF APPROVED MANUFACTURER'S PRODUCT DATA AND DETAILED SHOP DRAWINGS TO THE RESIDENT ENGINEER.
 4. TO MAINTAIN THE STRUCTURAL INTEGRITY OF THE LIGHT POLES, THE LIGHT POLES SHALL NOT BE ERECTED AND/OR LEFT TO STAND WITHOUT LUMINAIRE. NOTE THAT THE LIGHT POLES WILL NOT BE PAID FOR UNTIL THE POLES ARE FULLY APPROVED AND THE LUMINAIRES ARE INSTALLED.
 5. THE QUANTITIES OF RACEWAY WHERE INDICATED IN THESE PLANS ARE APPROXIMATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS AND SHALL INSTALL RACEWAYS IN COMPLETE COMPLIANCE WITH THE SPECIFIED REQUIREMENTS.
 6. THE CONTRACTOR SHALL NOTIFY J.U.L.I.E. TO LOCATE AND MARK/STAKE ALL UNDERGROUND UTILITIES.
 7. THE CONTRACTOR SHALL NOTIFY THE VILLAGE OF NILES TO LOCATED AND MARK/STAKE ALL VILLAGE OWNED UNDERGROUND UTILITIES.
 8. TRENCHES FOR LIGHTING RACEWAYS SHALL HAVE A MINIMUM DEPTH OF 30".
 9. 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.
 10. THE CONTRACTOR SHALL COORDINATE THE FOUNDATION HEIGHTS WITH THE FINISHED SIDEWALK ELEVATION SO FOUNDATION DOES NOT PROTRUDE BEYOND SPECIFIED REQUIREMENTS.
 11. AT THE COMPLETION OF THE PROJECT THE LIGHTING SYSTEMS SHALL BE OWNED AND MAINTAINED BY THE VILLAGE OF NILES.
 12. LIGHTING SYSTEM INSTALLATION SHALL CONFORM TO THE LATEST IDOT STANDARDS, NEC AND LOCAL CODES.
 13. ALL ELECTRICAL EQUIPMENT AND PRODUCTS SHALL BE U/L LISTED AND LABELED.
 14. THE CONTRACTOR SHALL SUBMIT FOUR (4) SETS OF FULL SIZED COMPLETE AND ACCURATE "RECORD DRAWINGS" TO THE ENGINEER FOR REVIEW AND COMMENT, AS SPECIFIED. THE "RECORD DRAWINGS" SHALL BE UPDATED ON A REGULAR BASIS AND DEPICT ALL ROADWAY LIGHTING MATERIAL INSTALLATIONS WITH ANY CHANGES INDICATED IN RED. "REPRODUCIBLE RECORD DRAWINGS" SHALL BE SUBMITTED AT LEAST 7 DAYS BEFORE SCHEDULING A FINAL INSPECTION.
 15. PROPOSED PEDESTRIAN LIGHTING UNITS SHALL BE SET AT THE BACK OF PROPOSED SIDEWALK.
 16. CONTRACTOR SHALL TAKE CARE INSTALLING UNIT DUCT TO AVOID CONFLICTS WITH EXISTING UNDERGROUND UTILITIES AND TREES. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE AS DIRECTED BY THE ENGINEER.
 17. CONTRACTOR SHALL TAKE CARE INSTALLING LIGHT POLE FOUNDATIONS TO AVOID CONFLICTS WITH UNDERGROUND UTILITIES. SOME POLE LOCATIONS WHICH WILL REQUIRE OFFSET FOUNDATIONS HAVE BEEN INDICATED ON THE PLANS. THE ENGINEER SHALL DETERMINE IF ADDITIONAL LOCATIONS ARE REQUIRED.
 18. ALL UNIT DUCT SHALL BE INSTALLED USING THE BORED AND PULLED METHOD. THE COST SHALL BE INCLUDED WITH PAY ITEM UNIT DUCT, 600V, 3 1/2" NO. 6 AND 1/2" NO. 8 GROUND (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE
 19. THE CONTRACTOR SHALL CHISEL ARROWS LOCATING ALL CONDUIT CROSSINGS ACROSS ROADWAYS. THE CHISEL MARKS SHALL BE ON THE CURB.
 20. GROUND RODS SHALL BE FURNISHED AND INSTALLED AS REQUIRED PER PLAN FOR EACH LIGHTING UNIT. THE COST SHALL BE INCLUDED WITH PAY ITEMS LIGHT POLE FOUNDATION 24" DIAMETER AND LIGHT POLE FOUNDATION 24" DIAMETER, OFFSET. GROUND RODS SHALL BE FURNISHED AND INSTALLED AS REQUIRED PER PLAN FOR EACH LIGHTING CONTROLLER. THE COST SHALL BE INCLUDED WITH PAY ITEM LIGHTING CONTROLLER.
 21. RESTORATION OF PARKWAY AND PROJECT SITE SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND CONTRACT DOCUMENTS.
- THE EXISTING STREET LIGHTING SHALL REMAIN OPERATIONAL DURING CONSTRUCTION OF THE PROPOSED PEDESTRIAN LIGHTING.











LIGHTING BILL OF MATERIALS

SUMMARY OF QUANTITIES - ROADWAY LIGHTING IMPROVEMENT

PAY ITEM	DESCRIPTION	UNIT	QUANTITY
* 80400100	ELECTRIC SERVICE INSTALLATION	EACH	2
* 80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	100
81018900	CONDUIT PUSHED, 4" DIA. GALVANIZED STEEL	FOOT	560
81603050	UNIT DUCT, 600V, 3-1/2" NO. 6, 1/2" NO. 8 GROUND (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	3745
81702160	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/2" #1/0	FOOT	336
* 81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	100
* 82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	9
82500350	LIGHTING CONTROLLER, BASE MOUNTED, 240 VOLT, 100 AMP	EACH	2
83007500	LIGHT POLE, ALUMINUM, 35 FT. H.H., 12 FT. MAST ARM	EACH	9
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	288
84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	2
* X8250500	LIGHTING UNIT COMPLETE, SPECIAL	EACH	48
* X8360215	LIGHT POLE FOUNDATION 24" DIAMETER, OFFSET	FOOT	18
* Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	6

* REQUIRES SPECIAL PROVISIONS

LEGEND

-  PROPOSED LIGHTING UNIT: 35FT MH, 12FT MA, 250W, 120V HPS LUMINAIRE
-  EXISTING LIGHTING UNIT TO REMAIN
-  UNIT DUCT, 600V, 3-1/2" # 6, 1/2" #8 GROUND (XLP-TYPE USE) 1" DIA. POLYETHYLENE
-  ELECTRIC SERVICE POLE
-  PROPOSED LIGHTING CONTROLLER
-  RIGID GALVANIZED STEEL CONDUIT PUSHED AS INDICATED
-  RIGID GALVANIZED STEEL CONDUIT IN TRENCH AS INDICATED
-  GROUND ROD
-  ELECTRIC CABLE IN CONDUIT, 3-1/2" NO. 1/0
-  PROPOSED ORNAMENTAL LIGHTING UNIT: ALUMINUM POST WITH CAST ALUMINUM BASE 16 FT HEIGHT POST TOP MOUNTED LUMINAIRE 50 WATT HPS, 120V

LTC-01

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FILE NAME =	USER NAME = #USER#	DESIGNED - BL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	VILLAGE OF NILES LIGHTING IMPROVEMENTS GENERAL NOTES, LEGEND AND SUMMARY OF QUANTITIES	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#	PLOT SCALE = #SCALE#	DRAWN - RV	REVISED -			3513	10-00-111-00-LS	COOK	162	29	
	PLOT DATE = #DATE#	CHECKED - MSA	REVISED -			CONTRACT NO. 62622					
		DATE - 06-17-11	REVISED -			ILLINOIS FED. AID PROJECT					