

FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	06-00132-00-PK	WILL	15	8
STA.	**	TO STA.	*	*
	UNION			

CONTRACT NUMBER 83974

BILL OF MATERIALS

ITEM NUMBER	ITEM	UNIT	QUANTITY
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
80400200	ELECTRIC UTILITY SERVICE INSTALLATION	L SUM	1
81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	40
81001000	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	140
81400100	HANDHOLE	EACH	2
81702400	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 2	FOOT	20
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1980
82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	23
82500505	LIGHTING CONTROLLER, SPECIAL	EACH	1
83600400	POLE FOUNDATION, METAL	EACH	16
84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	1
XX001368	PULL EXISTING CABLE FROM UNIT DUCT	FOOT	1140
XX003216	UNIT DUCT, 600V, 3-1/C NO. 6, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	2300
	LIGHT POLE ALUMINUM, 32 FT. M.H., 8 FT. MAST ARM	EACH	9
	LIGHT POLE ALUMINUM, 32 FT. M.H., 8 FT. MAST ARM - TWIN	EACH	7

NOTES:

- RELOCATION OF THE EXISTING LIGHTING UNIT MUST BE COMPLETED THE SAME DAY. ALL LIGHTING MUST BE OPERATIONAL THAT SAME EVENING.
- THE EXISTING METAL FOUNDATION SHALL BE REUSED FOR THE RELOCATED LIGHTING UNIT. THE COST TO REMOVE AND REINSTALL THE METAL FOUNDATION SHALL BE INCLUDED IN THE PAY ITEM "RELOCATE EXISTING LIGHTING UNIT".
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
- PAY ITEMS IN THE SUMMARY OF QUANTITIES HAVE BEEN ESTIMATED. IF, IN THE ENGINEER'S OPINION, ANY WORK IS NOT REQUIRED, THAT ITEM WILL BE DEDUCTED FROM THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL LIGHT POLES FOR EXAMINATION AND CONFIRMATION WITH THE ENGINEER PRIOR TO INSTALLATION OF LIGHTING FOUNDATIONS.
- ANY WORK REQUIRED BY THE CONTRACTOR TO EXPOSE UNDERGROUND UTILITIES NEAR PROPOSED POLE FOUNDATIONS SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF "POLE FOUNDATION, METAL".
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF FINISHED GRADE. THE ENGINEER MAY ASSIST THE CONTRACTOR, AS APPLICABLE, BUT THE RESPONSIBILITY FOR COORDINATING THE FINISHED GRADE ELEVATION WITH THE TOP OF THE FOUNDATION HEIGHTS SHALL REMAIN WITH THE CONTRACTOR.
- THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE ANY LIGHT STANDARD IS ERECTED.
- PHOTOCELL MATERIALS AND INSTALLATION ARE INCLUDED IN THE PAY ITEM "LIGHTING CONTROLLER, SPECIAL".
- GALVANIZED STEEL CONDUIT IN TRENCH TO BE CAPPED AT BOTH ENDS FOR FUTURE USE WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE PAY ITEM "CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL".
- THE INSTALLATION OF CONDUIT SLEEVES AND UNIT DUCTS SHALL BE SEQUENCED WITH THE REPLACEMENT OF THE PROPOSED PAVEMENT INCLUDING DRIVEWAYS AND SIDEWALKS. IF CONDUIT OR UNIT DUCT IS PUSHED BECAUSE FINAL SURFACE IS IN PLACE, THERE WILL BE NO ADDITIONAL COMPENSATION FOR PUSHING THE CONDUIT OR UNIT DUCT.
- MULTI-UNIT DUCT OR CONDUIT RUNS SHALL BE INSTALLED IN COMMON TRENCH AND BACKFILLED. TRENCH AND BACKFILL WILL NOT BE PAID FOR EACH UNIT DUCT OR CONDUIT, BUT WILL BE PAID FOR THE LENGTH OF THE COMMON TRENCH ONLY.
- A CITY OF NAPERVILLE BUILDING PERMIT IS REQUIRED.

VILLAGE OF NAPERVILLE
95TH STREET PARK AND RIDE

PARKING LOT	Filename	Illuminance		
		Average Illuminance (foot-candles) Avg	Minimum Illuminance (foot-candles) E _{min}	Uniformity Ratio E _{avg} to E _{min}
Naperville/IES Recommended Values	General Parking And Pedestrian Area Medium	2.4	0.6	4.0 : 1
Parking Lot	parking_lot_25 0w.A32	2.55	1.0	2.6 : 1
250th Avenue Entrance	parking_lot_25 0w.A32	2.50	1.1	2.3 : 1

Combined LLF = 0.7 Mast Arm Length = 8 ft.
Lamp Lumens = 28,000 lumens Mounting Height = 32 ft.
Wattage = 250 watt HPS
Photometric file: GE1002.ies

CITY OF NAPERVILLE
LIGHTING PLAN
95TH STREET PARK AND RIDE

REVISIONS	
NAME	DATE
PRE-FINAL SUBMITTAL	05.31.07
FINAL SUBMITTAL	08.31.07

DATE: 11/26/2007
DESIGNED BY: DNM
TECHNICIAN: SJC
CHECKED BY: JRJ

SCALE IN FEET

