ROUTE	SECTION	COUNTY	SHEET	SHEETS
FAU 2657	081	LAKE	33	92
93-00081-04-CH		ILLINOIS	BUFFALO GROVE ROAD	

Contract No. 83656

LEGEND:

- LIGHT UNIT, STEEL, 10.5m MOUNTING HEIGHT WITH 1.8m MAST ARM AND 250W HPS, M-C-III LUMINAIRE
- REM — EXISTING LIGHT UNIT TO BE REMOVED
- EXISTING LIGHT UNIT TO REMAIN
- ComEd COMPANY POWER POLE
- UNIT DUCT, 3#6 XLP, 1#8 GROUND, 30mm POLYETHYLENE
- PROPOSED LIGHTING CONTROLLER
- GROUND ROD, 19mm DIA. x 3.0m
- HANDHOLE PER IDOT STANDARD
- CONDUIT PUSHED, 75mm DIA. GALVANIZED STEEL

PAY ITEM NO.	PAY ITEM	UNIT	QUANTITY
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
80400200	ELECTRIC UTILITY SERVICE CONNECTION	L. SUM	1
82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	36
84200500	REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE	EACH	6
84200700	LIGHTING FOUNDATION REMOVAL	EACH	6
M8070140	GROUND ROD, 19mm DIA. x 3m	EACH	38
M8101070	CONDUIT PUSHED, 75mm DIA. GALVANIZED STEEL	METER	195
M8150200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	METER	1600
M8170100	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4/0	METER	165
M8304415	LIGHT POLE, STEEL, SQUARE TAPERED, 10.5M M.H., 1.8m MAST ARM	EACH	32
	LIGHT POLE, STEEL, SQUARE TAPERED, 10.5M M.H., DUAL 1.8m MAST ARMS	EACH	2
M8360100	LIGHT POLE FOUNDATION, 600MM DIAMETER	METER	102
MX810150	CONDUIT ENCASED CONCRETE 100mm DIA., PVC 1 WIDE X 1 HIGH	METER	40
MX816010	UNIT DUCT, 3#6 XLP, 1#8 GROUND, 30mm POLYETHYLENE	METER	1710
XX003722	LIGHTING CONTROLLER, CONSOLE TYPE, 240/480 VOLT	EACH	1
	BREAKAWAY BASE, VALMONT CS-370 14-1/2" BOLT CIRCLE	EACH	34

GENERAL NOTES:

1. QUANTITIES OF PUSHED CONDUIT, ELECTRICAL CABLE AND TRENCH WHERE INDICATED ON THE PLANS, ARE APPROXIMATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS AND SHALL INSTALL RACEWAYS IN COMPLETE CONFORMANCE WITH SPECIFIED REQUIREMENTS.
2. EQUIPMENT GROUND CONDUCTORS SHALL BE SPLICED AND BONDED TO EACH LIGHT POLE.
3. A STAGING SCHEDULE FOR MATERIAL INSTALLATION, REMOVAL AND APPROXIMATE DATE OF PROPOSED ENERGIZING OF PERMANENT LIGHTING, SHALL BE SUBMITTED PRIOR TO THE COMMENCMENT OF WORK TO ASSURE COORDINATION WITH EXPEDITED WORK SCHEDULE.
4. COMMONWEALTH EDISON COMPANY SHALL BE CONTACTED AS SOON AS POSSIBLE AND NOTIFIED OF PENDING SERVICE CONNECTIONS AND INSTALLATIONS TO INSURE CONTINUITY OF NIGHT TIME HOURS OF LIGHTING OPERATION.
5. CONDUIT PUSHED AND IN TRENCH SHALL EXTEND 610mm BEYOND THE SHOULDER, CURB, BARRIER WALL AND/OR GUARDRAIL, AS APPLICABLE.
6. THE PROPOSED LIGHTING CONTROL CABINETS SHALL BE INSTALLED WITHIN THE RIGHT-OF-WAY WITH THE EXACT LOCATION TO BE CONFIRMED IN THE FIELD BY THE ENGINEER.
7. PROVIDE A 19mm DIA. X 3m LONG GROUND ROD AT THE BASE OF EACH LIGHT UNIT. 3 GROUND RODS AT THE LIGHTING CONTROLLER.
8. THE ELECTRICAL WORK SHALL BE IN CONFORMANCE WITH THE NATIONAL AND LOCAL ELECTRICAL CODES, AND THE IDOT STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS, AND RECURRING SPECIAL PROVISIONS.
9. THE CONTRACTOR SHALL USE EXTREME CAUTION NOT TO DAMAGE THE EXISTING UNDERGROUND UTILITIES AND CONDUITS. IF ANY ITEM IS DAMAGED BY THE CONTRACTOR'S FORCES, IT SHALL BE REPLACED IN KIND AT THE CONTRACTOR'S EXPENSE. CLOSE COORDINATION WITH UNDERGROUND UTILITIES IS REQUIRED AND IT SHALL BE REFLECTED IN CONTRACTOR'S BID.
10. OFF-SET FOUNDATIONS SHALL BE PROVIDED WHERE POLE TOO CLOSE TO EITHER EXISTING OR PROPOSED UNDERGROUND UTILITIES OR STORM SEWER AS DIRECTED BY THE ENGINEER.
11. THE EXISTING LIGHT UNITS TO BE REMOVED SHALL BE KEPT IN PLACE AND OPERATIONAL UNTIL THE NEW LIGHT UNITS ARE INSTALLED AND ENERGIZED FOR OPERATION.
12. ONCE THE PROPOSED LIGHT UNITS ARE INSTALLED AND FULLY OPERATIONAL, THE EXISTING LIGHT UNITS (POLES, MAST ARMS, AND LUMINARES) TO BE REMOVED SHALL BE DISCONNECTED, REMOVED AND DELIVERED TO THE VILLAGE OF BUFFALO GROVE TO A STORAGE FACILITY DESIGNATED BY THE ENGINEER.
13. IN THE INSTANCES WHERE THE PROPOSED LIGHTING FOUNDATIONS ENCROACH ON THE EXISTING SIDEWALKS, THE CONTRACTOR SHALL REMOVE THE ENCROACHING PIECE OF SIDEWALK BY SAW CUTTING. UPON INSTALLATION OF THE LIGHT POLE FOUNDATION THE SIDEWALK SHALL BE RESTORED. THE COST FOR THE REMOVAL AND RESTORATION SHALL BE INCLUDED IN THE COST FOR LIGHT POLE FOUNDATION, 600mm. NO ADDITIONAL COSTS SHALL BE ALLOWED.
14. THE PROPOSED LIGHT POLE SETBACKS ARE FOR THE ULTIMATE ROADWAY DESIGN, AND WILL BE 4.5m FROM THE FUTURE BACK OF CURB.

ANTONIOUS D. OSMANI
062-052871
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS
STATE OF ILLINOIS

Exp. 11/30/05

Globetrotters®
Engineering Corporation
ENGINEERS ARCHITECTS
300 South Wacker Drive
Chicago, Illinois 60606
Tel. 312/922-6400

REVISIONS	
NAME	DATE

LakeCounty
Division of Transportation

LIGHTING
ELECTRICAL GENERAL NOTES

BUFFALO GROVE ROAD AT PORT CLINTON ROAD

SCALE: NONE DRAWN BY: GDS
DATE: 04/15/04 CHECKED BY: ADO

LAKE COUNTY DIVISION OF TRANSPORTATION
METRIC PLAN

E-1

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