F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	06-00062-00-RS	COOK	41	28
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83920

GENERAL NOTES

1. THE OWNER, CITY OF NORTHLAKE SHALL BE NOTIFIED IN WRITING AT LEAST TWO (2) FULL WORKING DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION
2. UTILITIES MAY EXIST IN THE AREA WHERE WORK IS PROPOSED. ACTUAL DEPTH OF UTILITIES ARE UNKNOWN. SHOULD ANY GIVEN UTILITY INTERFERE WITH THE PROPOSED WORK, PIPE ROUTING, ETC. THE CONTRACTOR SHALL, AT NO EXTRA COST TO THE OWNER, RESOLVE ANY AND ALL INTERFERENCE PROBLEMS.
3. ALL UTILITY COMPANIES SHALL BE CONTACTED AND THEIR FACILITIES SHALL BE LOCATED PRIOR TO ANY WORK IN ANY EASEMENT, RIGHT-OF-WAY, OR SUSPECTED UTILITY LOCATION.
4. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE FOLLOWING SPECIFICATIONS, WHICH ARE HEREBY MADE A PART HEREOF:
   A. "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS", AS PREPARED BY IDOT.
   B. NATIONAL ELECTRICAL CODE.
   C. MUNICIPAL CODES & STANDARDS.
5. THE CONTRACT DRAWINGS AND SPECIFICATIONS ARE NOT INTENDED TO SHOW EVERY AND ALL DETAILS OF WORK TO BE PERFORMED OR EQUIPMENT TO BE SUPPLIED. THE INTENT OF THE CONTRACT DRAWINGS AND SPECIFICATIONS IS TO ILLUSTRATE THE CONCEPTUAL DESIGN AND LAYOUT. THE CONTRACTOR SHALL BE KNOWLEDGEABLE AND REGULARLY ENGAGED IN THE TYPE OF WORK DESCRIBED BY THESE CONTRACT DRAWINGS AND SPECIFICATIONS. AND SHALL BE RESPONSIBLE FOR UNDERSTANDING THEIR INTENT. ANY WORK TO BE PERFORMED OR ITEM OF EQUIPMENT TO BE SUPPLIED WHICH IS NOT SPECIFICALLY CALLED FOR BY THESE CONTRACT DRAWINGS AND SPECIFICATIONS BUT WHICH IS NECESSARY TO PROVIDE A COMPLETE AND SUCCESSFUL WORKING SYSTEM SHALL BE INCLUDED IN THE CONTRACTOR'S SCOPE OF WORK AT NO ADDITIONAL COST TO THE OWNER.
6. THE WORK PERFORMED UNDER THIS CONTRACT SHALL IN NO WAY INTERFERE WITH THE NORMAL OPERATION OF ANY EXISTING UTILITY SERVICE. THE CONTRACTOR SHALL FURNISH ALL NECESSARY ITEMS OF EQUIPMENT REQUIRED TO MAINTAIN SUCH NORMAL OPERATION AT NO ADDITIONAL COST TO THE OWNER. THE COST ASSOCIATED FOR THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE CONTRACT.
7. ALL DISTURBED AREAS (NOT IMPERVIOUS IN NATURE) SHALL BE FINE GRADED, TOP-SOIL RESTORED (MIN. 4 INCHES). AND SEED/MULCH APPLIED, UNLESS OTHERWISE SPECIFIED ON THE PLANS. THE COST OF THIS WORK SHALL BE INCIDENTAL TO THE CONTRACT.
8. SOIL EROSION PROTECTION, GRADING, LEVELING TO EXISTING LINES AND GRADES. RESTORATION OF GRASS AREAS (EXCEPT FOR SOD REPLACEMENT AS SPECIFIED) AND GENERAL CLEAN-UP ARE CONSIDERED INCIDENTAL TO THE COST OF THE CONTRACT.
9. THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT STANDARD IS ERECTED.
10. EXCAVATION FOR THE POLE SHALL BE MADE WITH AN AUGER, 24 INCHES IN DIAMETER.
11. PLACE A GROUND ROD 5/8" IN DIAMETER BY 10 FEET IN LENGTH APPROXIMATELY 2 FEET FROM EVERY NEW POLE AND CONNECT TO THE GROUNDING LUG VIA A #6 SOLID COPPER WIRE WITH A MECHANICAL CONNECTION AT THE GROUND ROD.
12. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION/DIRECTION AND MEANS/METHODS OF CONSTRUCTION.
13. CONTRACTOR TO VERIFY LOCATION OF ALL UNDERGROUND UTILITIES BEFORE TRENCHING OR AUGERING.
14. BEFORE INSTALLING LIGHT STANDARDS NEAR OVERHEAD UTILITIES CALL COM ED. FOR LOCATION APPROVAL.
15. FOR LOCATION OF EXISTING UNDERGROUND ELECTRICAL CABLE CALL COM ED.
16. ALL PUSHED CONDUIT UNDER ROADWAYS TO BE 2½" DIAMETER HEAVY WALL GALVANIZED STEEL UNLESS OTHERWISE SPECIFIED.
17. ALL TREE TRIMMING REQUIRED AS DIRECTED BY THE OWNER'S REPRESENTATIVE SHALL BE PERFORMED BY THE CONTRACTOR AND THE COST OF THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
18. NO MATERIALS SHALL BE DELIVERED TO THE JOB SITE UNTIL ALL PERTINENT EQUIPMENT SUBMITTALS HAVE BEEN REVIEWED BY THE OWNER'S REPRESENTATIVE.
19. CENTERLINE OF LIGHT POLES SHALL BE LOCATED A MIN. OF 3 FEET BEHIND BACK OF CURB, A MIN. OF 1 FEET BEHIND THE BACK OF PATHWAY, OR AS SHOWN BY THE STATION OFFSETS SHOWN ON THE PLANS.
20. LUMINAIRES SHALL BE 175 WATT METAL HALIDE STERNBERG "ROADWAY FIXTURE 1432" AND SHALL HAVE A MULTI-TAP BALLAST. REFER TO LEGEND AND LIGHTING DETAILS FOR MOUNTING HEIGHT INFORMATION.
21. ORNAMENTAL LIGHT POLES SHALL BE 14 FOOT ALUMINUM STERNBERG "DENVER POST 4414-T4 NON FLUTED" OR AS OTHERWISE SHOWN ON THE PLANS.
22. CONDUIT: ALL UNDERGROUND WIRING SHALL BE ENCASED IN POLYETHYLENE UNIT-DUCT OR GALVANIZED STEEL CONDUIT.
23. ALL UNDERGROUND WIRING SHALL BE MINIMUM #8 COPPER (OR SIZE AS SHOWN ON THE PLANS) XLP-TYPE USE, EXTRA ABRASION RESISTANCE, 600 VOLTS, BURIED A MINIMUM OF 30 INCHES BELOW FINISHED GRADE, AND SHALL FOLLOW THE ROADWAY OR SIDEWALK EDGE.
24. STREET CROSSING OF ELECTRICAL CONDUIT FOR THE STREET LIGHTING SYSTEM SHALL BE SUBJECT TO THE FOLLOWING REQUIREMENTS:
   A. ALL STREET CROSSING OF CONDUCTOR AND/OR CABLE WILL BE INSTALLED IN STANDARD HOT DIPPED GALVANIZED STEEL CONDUIT OF SIZE REQUIRED BY THE CITY OF NORTHLAKE TO ACCOMMODATE CONDUCTOR SIZES. THE CONDUIT SHALL HAVE MOISTURE-PROOF SEALS AT EACH END.
   B. CONDUIT SHALL EXTEND A MINIMUM OF TWO (2) FEET BEYOND THE BACK OF CURB ON EACH SIDE OF STREET.
   C. CONDUIT SHALL BE LAID AT AN ABSOLUTE MINIMUM OF 30 INCHES BELOW THE BOTTOM OF THE CURB.
   D. CONDUIT SHALL BE CAPPED AT BOTH ENDS WITH A LOCATOR STRING FOR FUTURE USE.
   E. EXPENSE TO LOCATE INADEQUATELY MARKED CROSSINGS AND TO EXTEND CROSSINGS THAT END UP UNDER THE STREET, WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
25. 6" WIDE RED STANDARD WARNING TAPE SHALL BE INSTALLED ONE (1) FOOT ABOVE THE STREET LIGHT CONDUCTOR WIRE FOR THE FULL LENGTH OF ALL TRENCHES.
26. ELECTRICAL CONTRACTOR SHALL SUBMIT SPECIFICATIONS, DRAWINGS AND CATALOG CUTS FOR ALL MATERIALS TO THE OWNER'S REPRESENTATIVE FOR APPROVAL BEFORE ORDERING.
27. THE CITY OF NORTHLAKE MUST BE GIVEN A THREE (3) DAY WRITTEN NOTICE TO INSTALL ROAD CROSSINGS.
28. THE ELECTRICAL CONTRACTOR SHALL FURNISH ONE SET OF RECORD DRAWINGS TO THE OWNER'S REPRESENTATIVE UPON COMPLETION OF THE STREET LIGHTING. THE DRAWINGS SHALL SHOW THE LOCATION OF THE LIGHTS ALONG THE STREET RELATIVE TO PROPERTY CROSSINGS AND ALSO THE LOCATION OF ALL UNDERGROUND WIRING.
29. UNIT DUCT SHALL BE 1¼" DIAMETER WITH 4/C #8 AND 1/C #8 GROUND XLP-TYPE USE CABLES, UNLESS SHOWN OTHERWISE ON PLANS.

LEGEND

- 1 — PROPOSED 175W METAL HALIDE DECORATIVE TYPE LUMINAIRE ON A 14'-0" ORNAMENTAL TYPE ALUMINUM POLE (REFER TO LIGHT STANDARD DETAIL FOR MODEL INFORMATION)
- 2 — PROPOSED 175W METAL HALIDE DECORATIVE TYPE LUMINAIRE ON A 14'-0" ORNAMENTAL TYPE ALUMINUM POLE MOUNTED ON A 2'-6" RAISED CONCRETE FOUNDATION (REFER TO LIGHT STANDARD DETAIL FOR MODEL INFORMATION)
- EXISTING COM ED LIGHT POLE (REFER TO PLANS)
- UD — 4-1/C #8 AND 1/C #8 GROUND XLP-TYPE USE IN 1¼" UNIT DUCT BORED & PULLED (OR AS SHOWN ON PLANS)
- UD — PROPOSED 2½" OR 4" RGS CONDUIT SLEEVE FOR UNIT DUCT UNDER PAVEMENT
- E — PROPOSED ELECTRICAL SERVICE CABLES
- PROPOSED LIGHTING CONTROLLER
- PROPOSED CONCRETE HANDHOLE
- PROPOSED COM ED SERVICE DROP LOCATION
- POLE NUMBER
- P1-CKTA — CIRCUIT IDENTIFIER
- STA.10+25.0,23.6'RT — OFFSET (FROM ℄ OF CONSTRUCTION, TYP.)
- STATION
- 2½" RGS — RIGID GALVANIZED STEEL CONDUIT
- T OR P — TRENCHED OR PUSHED
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- W — EXISTING WATERMAIN
- OH — EXISTING OVERHEAD WIRES
- G — EXISTING GAS LINE

PATHWAY LIGHTING BILL OF MATERIALS

Code No.	Description	Unit	Quantity
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
81018600	CONDUIT PUSHED, 2½" DIA. GALV. STEEL	FOOT	35
81018900	CONDUIT PUSHED, 4" DIA. GALV. STEEL	FOOT	40
81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	1
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1330
82500530	LIGHTING CONTROLLER CB-RCS-100A-240V	EACH	1
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	88
• X0323950	LUMINAIRE, METAL HALIDE, 175 WATT	EACH	13
• XX004051	LIGHT POLE, ORNAMENTAL	EACH	13
	UNIT DUCT, WITH 4/C #8 & 1/C #8 GND, 600V (XLP-TYPE USE) IN 1¼" DIA. POLYETHYLENE - BORED & PULLED	FOOT	1400

• SPECIAL PROVISIONS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

McLEAN AVENUE
LIGHTING GENERAL NOTES, SUMMARY OF QUANTITIES AND LEGEND

CITY OF NORTHLAKE - MCLEAN AVENUE

SCALE N.T.S. DRAWN BY KB
DATE 2/20/2007 CHECKED BY JPC

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

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PLAN — NOTE BOOK NO. — ALIGNMENT CHECKED / GRADES CHECKED / PLANS PREPARED / CADD FILE NAME: N:\NORTHLAKE\83920DC67\Mech\83920DC67_M01.PLN — SUBMITTED / REVISED — BY — DATE

PROFILE — NOTE BOOK NO. — SUBMITTED / REVISED / GRADES CHECKED / PLANS PREPARED / STRUCTURE NOTATIONS CHKD — BY — DATE