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LIST OF HIGHWAY STANDARDS

- 000001-05 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 701602-04 URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
- 701606-06 URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
- 701801-04 LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
- 701901-01 TRAFFIC CONTROL DEVICES
- 814001-02 HANDHOLES

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS AS WELL AS:
 ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS ADOPTED JANUARY 1, 2007.
 ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (LATEST EDITION IN EFFECT ON THE DATE OF INVITATION FOR BIDS)
 NATIONAL ELECTRIC CODE, 2008 EDITION.
 DISTRICT ONE RECURRING SPECIAL PROVISIONS FOR ROADWAY LIGHTING, ADOPTED: JANUARY 1, 2010.

2. ALL UNDERGROUND UTILITY LOCATIONS, INCLUDING SANITARY SEWERS, STORM SEWERS, WATER MAINS, AND THEIR SERVICE LINES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE THE RESPECTIVE UTILITY COMPANIES FIELD-LOCATE ALL UTILITIES, ASCERTAIN THEIR STATUS AND ADJUST OR RELOCATE THESE UTILITIES, AS NECESSARY, PRIOR TO STARTING CONSTRUCTION. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE CONTRACT. THE CONTRACTOR SHALL NOTIFY ALL PUBLIC AND PRIVATE UTILITIES BEFORE STARTING CONSTRUCTION, INCLUDING, BUT NOT LIMITED TO:

- NICOR GAS
1844 FERRY ROAD
NAPERVILLE, IL 60563
(630) 388-2362
- COMCAST
688 INDUSTRIAL DRIVE
ELMHURST, IL 60126
(630) 600-6352
- COMED
1500 FRANKLIN BLVD
LIBERTYVILLE, IL 60048
(630) 437-2236
- CITY OF ROLLING MEADOWS PUBLIC WORKS
3900 BERDNICK STREET
ROLLING MEADOWS, IL 60008
- AT&T
2004 MINER STREET
DES PLAINES, IL 60016
(847) 759-5581
- VILLAGE OF ARLINGTON HEIGHTS PUBLIC WORKS
33 SOUTH ARLINGTON HEIGHTS ROAD
ARLINGTON HEIGHTS, IL 60005

3. THE MUNICIPALITIES' DEPARTMENT OF PUBLIC WORKS SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO COMMENCING CONSTRUCTION.

4. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO COMMENCING CONSTRUCTION.

5. THE DIMENSIONS AND LOCATIONS OF UTILITY FACILITIES AS SHOWN ON THESE PLANS ARE AN ESTIMATE FOR DESIGN PURPOSES ONLY, AND ARE NOT INTENDED FOR USE AS FIELD LOCATIONS FOR CONSTRUCTION. BEFORE BEGINNING ANY DIGGING OR EXCAVATION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT J.U.L.I.E. AT 1-800-892-0123 TO VERIFY UTILITY LOCATIONS.

6. THE CONTRACTOR SHALL MAINTAIN A SET OF CONSTRUCTION RECORD DRAWINGS NOTING ALL CHANGES TO THE PLANS AND THE LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES ENCOUNTERED. A MYLAR REPRODUCIBLE AS-BUILT DRAWING AND TWO (2) PAPER SETS MUST BE SUBMITTED TO EACH DEPARTMENT OF PUBLIC WORKS FOR REVIEW AND APPROVAL UPON COMPLETION OF THE PROJECT. THIS WORK WILL BE CONSIDERED INCLUDED IN THE COST OF MOBILIZATION.

7. ANY SIGN LOCATED IN THE PUBLIC RIGHT-OF-WAY WHICH INTERFERES WITH THE CONSTRUCTION OF THE PROPOSED LIGHTING SYSTEM SHALL BE REMOVED AND RE-ERECTED. ALL WORK INVOLVING SIGN REMOVAL AND RE-ERECTION SHALL BE GOVERNED BY THE FOLLOWING REQUIREMENTS:

- A. A SIGN LOG SHALL BE CREATED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. A COPY SHALL BE GIVEN TO THE ENGINEER FOR REVIEW. UPON REVIEW BY THE ENGINEER, THE CONTRACTOR SHALL PROVIDE A COPY TO IDOT AND EACH MUNICIPALITY.
- B. REMOVAL AND RE-ERECTION SHALL BE COORDINATED WITH IDOT.
- C. SIGNS SHALL NOT BE MOVED UNTIL PROGRESS OF WORK NECESSITATES IT.
- D. EVERY SIGN REMOVED MUST BE RE-ERECTED AT A TEMPORARY LOCATION IN A WORKMANLIKE MANNER AND BE VISIBLE TO TRAFFIC FOR WHICH IT WAS INTENDED. ALL SUCH SIGNS MUST BE MAINTAINED STRAIGHT AND CLEAN FOR THE DURATION OF THE TEMPORARY SETTING.
- E. ALL SIGNS SHALL BE RE-ERECTED IN THE ORIGINAL LOCATION AS THE IMPROVEMENTS ARE COMPLETED.
- F. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY SIGNS DAMAGED BY HIS/HER CONSTRUCTION ACTIVITIES AND WILL REPLACE THEM AT NO COST TO THE MUNICIPALITY. THIS WORK SHALL BE INCLUDED IN THE CONTRACT.
- G. STREET SIGNS TEMPORARILY RELOCATED DURING CONSTRUCTION MAY BE ATTACHED TO THE NEW STREET LIGHTS WITH THE APPROVAL OF THE MUNICIPALITY.

8. THE CONTRACTOR WILL CONFINE HIS OPERATIONS TO WITHIN THE AREAS DESIGNATED BY THE ENGINEER IN THE FIELD. DAMAGE TO PROPERTY OUTSIDE OF THESE LIMITS WILL BE RESTORED TO THE CONDITION THAT EXISTED PRIOR TO THE PROJECT AND SHALL BE INCLUDED IN THE CONTRACT. ANY AREAS WITHIN THE MUNICIPALITY RIGHT OF WAY SHALL BE REPLACED WITH SOD.

9. THE CONTRACTOR SHALL PROTECT ALL TREES AND SHRUBS ADJACENT TO THE PROJECT DURING CONSTRUCTION OPERATIONS, IN ACCORDANCE WITH SECTION 201 OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS AND AS INDICATED ON THE PLAN. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT BE CONSIDERED INCLUDED IN THE CONTRACT.

10. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN SATISFACTORY DRAINAGE OF THE PROJECT SITE AND THOSE AREAS THAT PRESENTLY DRAIN THROUGH THE PROJECT SITE AT ALL TIMES DURING THE CONSTRUCTION PERIOD. THE COST OF PROVIDING, INSTALLING AND MAINTAINING THESE MEASURES SHALL BE INCLUDED IN THE COST OF THE CONTRACT.

11. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CLEAN ALL DRAINAGE STRUCTURES OF ALL DEBRIS ACCUMULATED DURING CONSTRUCTION OPERATIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT.

12. NO CONSTRUCTION MATERIALS OR EQUIPMENT SHALL BE STORED IN OR MOVED THROUGH THE DRIPLINE OF ANY PARKWAY TREE. IF THIS CLEARANCE CANNOT BE MAINTAINED, THE FORESTRY SUPERINTENDANT MUST BE NOTIFIED PRIOR TO CONSTRUCTION.

13. THE RESIDENT ENGINEER SHALL CONTACT WALTER CZARNY AT 847-715-8419 AT LEAST (2) WEEKS PRIOR TO PLACING PERMANENT PAVEMENT MARKINGS.

14. THE GENERAL CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENTAL FIRM WITH AT LEAST FIVE (5) DOCUMENTED LEAKING UNDERGROUND STORAGE TANK (LUST) CLEANUPS OR THAT IS PRE-QUALIFIED IN HAZARDOUS WASTE BY THE DEPARTMENT TO REMEDIATE THE SOIL CONTAMINATION AND MONITOR FOR WORKER PROTECTION.

Revised 9-9-10

ROADWAY LIGHTING NOTES

1. THE ATTENTION OF THE CONTRACTOR IS DIRECTED TO ARTICLE 801.04 OF THE STANDARD SPECIFICATIONS REGARDING THE PROPOSED LOCATIONS OF THE LIGHTING SYSTEM. ADDITIONALLY, THE UNIT DUCT ROUTING SHOWN ON THE PLANS IS MAINLY INTENDED TO SHOW ELECTRICAL CIRCUITRY. AN EFFORT HAS BEEN MADE TO AVOID UTILITY CONFLICTS BUT THE EXACT LOCATION OF ELECTRICAL CABLES AND CONDUITS SHOULD BE APPROVED BY THE ENGINEER AFTER THE UNDERGROUND UTILITIES HAVE BEEN LOCATED BY ITS OWNER.

2. ALL PROPOSED LIGHT POLE LOCATIONS SHALL BE STAKED BY THE CONTRACTOR AND BE APPROVED BY THE MUNICIPALITIES PRIOR TO EXCAVATION. NO ADDITIONAL COMPENSATION SHALL BE PROVIDED FOR THIS STAKING.

3. THE CONTRACTOR SHALL KEEP DEVIATIONS FROM THE UNIT DUCT ROUTING SHOWN ON THE PLANS TO A MINIMUM. MAJOR DEVIATIONS SHALL BE REPORTED TO AND APPROVED BY THE ENGINEER BEFORE INSTALLATION.

4. SHORT RUNS OF UNIT DUCT (FOR ROADWAY LIGHTING) MAY BE TRENCHED AT THE DISCRETION OF THE MUNICIPALITY. NO ADDITIONAL COMPENSATION SHALL BE PROVIDED FOR TRENCHING THE UNIT DUCT.

5. WEEKDAY CONSTRUCTION ACTIVITY THAT WILL NECESSITATE LANE CLOSURES IN ACCORDANCE WITH STANDARD 701606 OR STANDARD 701801 MUST BE LIMITED TO THE HOURS BETWEEN 9:00 A.M. AND 3:00 P.M. IN ORDER TO AVOID THE PEAK RUSH HOURS.

6. THE REMOVAL LIMITS OF SIDEWALK SHOULD BE LOCATED AT AN EXISTING JOINT.

7. REMOVAL OF THE EXISTING LIGHTING SYSTEM SHALL NOT BEGIN BEFORE THE PROPOSED LIGHTING SYSTEM IS OPERATIONAL. THE CONTRACTOR SHALL NOTIFY COMMONWEALTH EDISON WHEN THE PROPOSED LIGHTING SYSTEM WILL BE OPERATIONAL SO REMOVAL OF COMMONWEALTH EDISON LUMINAIRES AND MAST ARMS MAY COMMENCE.

8. THE ENGINEER SHALL APPROVE THE LOCATION OF ALL PUSH PITS. NO POLES SHALL BE ERECTED UNTIL THE RESPECTIVE CONCRETE FOUNDATIONS HAVE CURED. NO UNDERGROUND SPLICES ARE ALLOWED.

9. ALL LIGHT POLE FOUNDATIONS SHALL HAVE A MINIMUM OF TWO RACEWAYS, EVEN IF ONLY ONE UNIT DUCT CONNECTION IS SHOWN ON THE PLANS. THE ADDITION OF A THIRD RACEWAY TO A FOUNDATION SHALL BE INCLUDED IN THE COST OF THE LIGHT POLE FOUNDATION.

10. SPLICES TO EXISTING CONDUCTORS SHALL BE INCLUDED IN THE COST OF UNIT DUCT.

11. THE CONTRACTOR SHALL REQUEST THAT THE CITY/VILLAGE REMOVE BANNERS FROM THE EXISTING POLES 48 HOURS BEFORE REMOVAL OF THE POLES.

12. UNDERGROUND SPLICES ARE NOTE ALLOWED.

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PLOT SCALE = 1:2000 = 1" = 20'	DRAWN - RJR	REVISIONS -
PLOT DATE = 9/3/2010	CHECKED - JMV	REVISIONS -
	DATE - 6/16/2010	REVISIONS -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ALGONQUIN ROAD LIGHTING IMPROVEMENTS
 INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES**

SCALE: SHEET NO. 2 OF 64 SHEETS STA. TO STA.

F.A.P. FILE	SECTION	COUNTY	TOTAL SHEETS NO.	SHEET NO.
339	09-00100-00-LT	COOK	64	2
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63426	

SUMMARY OF QUANTITIES				TOTAL QUANTITY	CONSTRUCTION TYPE CODE
CODE NO.	DESCRIPTION	UNIT			LIGHTING (Y030-1B)
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	4,400	4400	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	55	55	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	55	55	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	55	55	
25200100	SODDING	SQ YD	4,400	4400	
25200200	SUPPLEMENTAL WATERING	UNIT	14	14	
* 35100700	AGGREGATE BASE COURSE, TYPE A 8"	SQ YD	500	500	
* 40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	45	45	
* 40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	25	25	
* 42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	250	250	
* 42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	5,100	5100	
* 42400800	DETECTABLE WARNINGS	SQ FT	50	50	
* 44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	500	500	
* 44000600	SIDEWALK REMOVAL	SQ FT	5,100	5100	
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	10	10	
66900205	SPECIAL WASTE DISPOSAL	CU YD	50	50	
* 66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	1	
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	7	7	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12	
67100100	MOBILIZATION	L SUM	1	1	
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1	
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1	
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	
80400100	ELECTRIC SERVICE INSTALLATION	EACH	3	3	
80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1	1	
81018600	CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL	FOOT	350	350	
81018700	CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL	FOOT	8,400	8400	
81400100	HANDHOLE	EACH	8	8	
81603215	UNIT DUCT, 600V, 4-1C NO.2, 1/C NO.4 GROUND, (EPR-TYPE RHW), 1 1/2" DIA. POLYETHYLENE	FOOT	41,300	41300	
81700125	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 1/C NO. 4	FOOT	3,400	3400	
81700130	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 1/C NO. 2	FOOT	17,000	17000	

Revised Δ
9-9-10

SUMMARY OF QUANTITIES				TOTAL QUANTITY	CONSTRUCTION TYPE CODE
CODE NO.	DESCRIPTION	UNIT			LIGHTING (Y030-1B)
81702170	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2/0	FOOT	1,200	1200	
81702200	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C 250MCM	FOOT	900	900	
82102150	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 150 WATT	EACH	21	21	
82102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	188	188	
82500505	LIGHTING CONTROLLER, SPECIAL	EACH	3	3	
83006300	LIGHT POLE, ALUMINUM, 30 FT. M.H., 8 FT. MAST ARM	EACH	3	3	
83006500	LIGHT POLE, ALUMINUM, 30 FT. M.H., 12 FT. MAST ARM	EACH	12	12	
83050800	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 12 FT. MAST ARM	EACH	188	188	
83013100	LIGHT POLE, ALUMINUM, 30 FT. M.H., TENON MOUNT - TWIN	EACH	1	1	
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	180	180	
83600215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	720	720	
83800505	BREAKAWAY DEVICE, COUPLING, WITH ALUMINUM SKIRT	EACH	204	204	
84200500	REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE	EACH	22	22	
84200600	REMOVAL OF EXISTING LIGHTING UNIT, NO SALVAGE	EACH	19	19	
84200804	REMOVAL OF POLE FOUNDATION	EACH	43	43	
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	3	3	
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	6	6	
84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	3	3	
85000300	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	L SUM	1	1	
89502380	REMOVE EXISTING HANDHOLE	EACH	1	1	
X0321631	REMOVAL OF LUMINAIRE	EACH	8	8	
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	250	250	
Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	12	12	
X0325335	CONDUIT INSTALLED, 1 1/2" DIA., NON-METALLIC	FOOT	3,400	3400	
X8050050	SERVICE INSTALLATION, TYPE C (SPECIAL)	EACH	1	1	
X8210405	LUMINAIRE SHIELD	EACH	25	25	
X8360360	LIGHT POLE FOUNDATION METAL, 15" BOLT CIRCLE, 10" X 8"	EACH	122	122	
X8950130	MODIFY EXISTING LIGHTING CONTROLLER	EACH	1	1	
XX003338	TEST HOLE	EACH	204	204	
XX007488	LIGHT POLE FOUNDATION METAL, 11.5" BOLT CIRCLE, 8" X 6"	EACH	15	15	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
Δ Z0076600	TRAINEES	HOUR	500	500	

Δ Y080

* DENOTES SPECIALTY ITEM

FILE NAME = n:\p10\13379\design\proposals\13379-03-500.dgn



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PLOT SCALE = 1:8000 / IN.	DRAWN - RJR	REVISED -
PLOT DATE = 9/3/2010	CHECKED - JMV	REVISED -
	DATE - 6/16/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALGONQUIN ROAD LIGHTING IMPROVEMENTS
SUMMARY OF QUANTITIES

SCALE:	SHEET NO. 3 OF 64 SHEETS	STA.	TO STA.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				339	09-00100-00-LT	COOK	64	3
							CONTRACT NO. 63426	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT								