

ROADWAY LIGHTING NOTES:

1. PRIOR TO THE INSTALLATION OF THE NEW CABLES, UNDERGROUND CONDUITS, CONCRETE ENCASED CONDUITS, UNIT DUCTS, HANDHOLES, JUNCTION BOXES, LIGHT POLE FOUNDATIONS, CONTROLLER FOUNDATIONS AND APPURTENANCES, THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF EXISTING CONDUITS, CABLES AND UNDERGROUND UTILITIES. THE CONTRACTOR SHALL CALL J.U.L.I.E. TO AID IN THIS TASK.
2. THE CONTRACTOR SHALL VERIFY ALL OF THE DATA SHOWN ON THE CONTRACT PLANS AND REFERENCE DRAWINGS, WHICH WOULD AFFECT HIS WORK UNDER THIS CONTRACT.
3. ALL NEW CABLES, CONDUITS, HANDHOLES, JUNCTION BOXES AND APPURTENANCES ARE ILLUSTRATED DIAGRAMMATICALLY. PROPOSED ROUTING OF THE UNDERGROUND CONDUITS, AS SHOWN IN THE PLANS, IS FOR INFORMATION ONLY. CONTRACTOR SHALL VERIFY THE ACTUAL ROUTING LOCATION IN THE FIELD WITH THE APPROVAL OF THE ENGINEER.
4. ALL SPLICES SHALL BE HEAT SHRINK AND WATERPROOF AND INSTALLED INSIDE LIGHT POLE BASES OR JUNCTION BOXES. NO DIRECT BURIED SPLICES SHALL BE ALLOWED.
5. LUMINAIRES MUST BE INSTALLED ON LIGHT STANDARDS WITHIN A MAXIMUM OF 48 HOURS AFTER LIGHT STANDARD IS ERECTED.
6. THE ELECTRICAL MATERIAL SHALL BE NEW AND OF THE TYPE AND KINDS APPROVED BY THE FOLLOWING ORGANIZATIONS:

 NATIONAL ELECTRICAL MANUFACTURES ASSOCIATION
 INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS
 ILLUMINATION ENGINEERING SOCIETY OF NORTH AMERICA
 AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
 U.S. DEPARTMENT OF TRANSPORTATION
 UNDERWRITERS LABORATORIES
 AMERICAN STANDARD INSTITUTE
 INSULATED POWER CABLE ENGINEERS ASSOCIATION
7. UNDERGROUND CONDUITS AND CABLE DUCTS SHALL BE POSITIONED IN THE FIELD TO AVOID CONFLICTS WITH UNDERDRAINS AND OTHER UTILITES.
8. WHERE MULTIPLE CABLE DUCTS OR UNDERGROUND CONDUITS ADJACENT TO EACH OTHER ARE INSTALLED IN A COMMON TRENCH, TRENCH AND BACKFILL SHALL BE CONTINUOUS BETWEEN EACH CABLE DUCT OR UNDERGROUND CONDUIT FOR THE LENGTH OF THE COMMON TRENCH.
9. PROPOSED UTILITY POLES SHALL BE INSTALLED BY COMMONWEALTH EDISON CO. CONTRACTOR SHALL INSTALL UNDERGROUND CONDUITS, GROUNDING, DISCONNECT SWITCH, AND ANY SECONDARY CONDUCTORS TO THE UTILITY POLE. COORDINATE ALL WORK WITH COMMONWEALTH EDISON CO. REFER TO LIGHTING CONTROLLER DETAIL.
10. THE CONTRACTOR SHALL PREPARE A SCHEDULE WHEN THE PROJECT COMMENCES, WHICH ESTABLISHES THE DATE WHEN ELECTRICAL SERVICES ARE REQUIRED. THIS SCHEDULE SHALL BE FORWARDED IN WRITING TO COMMONWEALTH EDISON CO. SUBSEQUENT UPDATING TO THE SCHEDULE SHALL ALSO BE FORWARDED TO COMMONWEALTH EDISON CO. AS CHANGES OCCUR A MINIMUM OF FIVE (5) DAYS BEFORE ELECTRICAL SERVICES ARE REQUIRED, THE CONTRACTOR SHALL NOTIFY COMMONWEALTH EDISON BY PHONE AND IN WRITING TO CONFIRM THE REQUIREMENT.
11. FORTY-EIGHT (48) HOURS PRIOR TO THE REMOVAL OF ALL EXISTING LIGHTING POLES AND APPURTENANCES, (NOT SHOWN ON THE PLANS BUT THIS WORK SHALL BE PERFORMED) THE CONTRACTOR SHALL CONTACT THE ENGINEER AND MR. JOHN ANDREE AT (815) 987-5535. ALL EXISTING LIGHT POLES AND APPURTENANCES SHALL BE REMOVED AND RETURNED TO:

 THE CITY OF ROCKFORD
 500 SOUTH INDEPENDENCE AVENUE
 ROCKFORD, ILLINOIS 61102
12. FORTY-EIGHT (48) HOURS PRIOR TO EXCAVATION FOR PROPOSED ROADWAY LIGHTING FOUNDATIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND THE CITY OF ROCKFORD AFTER FIELD STAKING HAS OCCURRED TO VERIFY AND APPROVE ALL FOUNDATION LOCATIONS.
13. DEPENDENT ON THE LIGHTING FOUNDATION LOCATIONS, MAST ARM LENGTHS (6', 8', 10' OR 12') WILL BE DETERMINED BY THE ENGINEER AND CITY OF ROCKFORD. ADDITIONAL LIGHT POLES WITH MAST ARMS OF VARYING LENGTH (8', 10' AND 12') MAY NEED TO BE FURNISHED AND INSTALLED DEPENDING ON THE FIELD FINDINGS. NO LIGHT POLES SHALL BE INSTALLED WITHOUT APPROVAL OF THE ENGINEER.

ROADWAY LIGHTING SUMMARY OF QUANTITIES

ITEM NUMBER	SP	PAY ITEM NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY
1		80400100	ELECTRIC SERVICE INSTALLATION	EACH	4
2		81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	5,220
3	*	81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	9,235
4		81100510	CONDUIT ATTACHED TO STRUCTURE, 1 1/2" DIA., PVC COATED GALVANIZED STEEL	FOOT	125
5		81100805	CONDUIT ATTACHED TO STRUCTURE, 3" DIA., PVC COATED GALVANIZED STEEL	FOOT	64
6		81300320	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 8" X 8" X 6"	EACH	6
7	*	81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	19 **
8		81603037	UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	19,095
9		82500360	LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 100 AMP	EACH	4
10	*	83008200	LIGHT POLE, ALUMINUM, 40 FT. M.H., 6 FT. MAST ARM	EACH	114 ***
11	*	83008300	LIGHT POLE, ALUMINUM, 40 FT. M.H., 8 FT. MAST ARM	EACH	4 ***
12	*	83008400	LIGHT POLE, ALUMINUM, 40 FT. M.H., 10 FT. MAST ARM	EACH	4 ***
13	*	83008500	LIGHT POLE, ALUMINUM, 40 FT. M.H., 12 FT. MAST ARM	EACH	4 ***
14		83600300	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	1,482
15		83800505	BREAKAWAY DEVICE, COUPLING, WITH ALUMINUM SKIRT	EACH	456
16	*	X8210675	LUMINAIRE, METAL HALIDE HORIZONTAL MOUNT 400 WATT	EACH	114
17	*	X8211100	UNDERPASS LUMINAIRE, 100 WATT, METAL HALIDE	EACH	2
18	*	*2000275	CONDUIT INSTALLED IN EXISTING PIPE	FOOT	364
19	*	*2000279	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 12 1C	FOOT	9,235

- * INDICATES SPECIAL PROVISION
- ** INDICATES FOUR (4) EXTRA TYPE 1 HANDHOLES TO BE INSTALLED PER THE CITY OF ROCKFORD'S DIRECTION
- *** SEE NOTE 13

DIRECTORY: I:\WORK\2011\201108\20110804\20110804.DWG
 USER: JAW
 DATE: 8/22/2013 3:41:16 PM

CMT CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS LICENSE NO. 164-000813	MODEL NAME : 040404	DESIGNED - JWD	REVISED - 2/22/2013
	FILE NAME : 026457-1424-01.dwg	DRAWN - JWD	REVISED -
	PLOT SCALE : 2.0000 1' = 1"	CHECKED - AB	REVISED -
	PLOT DATE : 2/22/2013 3:41:16 PM	DATE - 11/02/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY LIGHTING
GENERAL NOTES AND SUMMARY OF QUANTITIES

SCALE: N/A SHEET 1 OF 32 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	(32, 33) R-1	WINNEBAGO	705	487
CONTRACT NO.			64821	
ILLINOIS FED. AID PROJECT				