

ROADWAY LIGHTING NOTES:

- 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.
- THE CONTRACTOR SHALL VERIFY ALL OF THE DATA SHOWN ON THE CONTRACT PLANS AND REFERENCE DRAWINGS, WHICH WOULD AFFECT HIS WORK UNDER THIS CONTRACT.
- 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.
- ALL SPLICES SHALL BE HEAT SHRINK AND WATERPROOF AND INSTALLED INSIDE LIGHT POLE BASES, HANDHOLES OR JUNCTION BOXES. NO DIRECT BURIED SPLICES SHALL BE ALLOWED.
- LUMINAIRES MUST BE INSTALLED ON LIGHT STANDARDS WITHIN A MAXIMUM OF 48 HOURS AFTER LIGHT STANDARD IS ERECTED.
- 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
- UNDERGROUND CONDUITS AND CABLE DUCTS SHALL BE POSITIONED IN THE FIELD TO AVOID CONFLICTS WITH UNDERDRAINS AND OTHER UTILITES.
- 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.
- 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.
- 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.
- FORTY-EIGHT (48) HOURS PRIOR TO THE REMOVAL OF ALL EXISTING LIGHTING POLES AND APPURTENANCES, 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
- 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.
- 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 MAST ARMS OF VARYING LENGTH (8', 10' AND 12') MAY NEED TO BE ORDERED 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	2
2		81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	170
3		81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	1,875
4	*	81028740	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/2" DIA.	FOOT	1,950
5	*	81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	3,250
6		81400100	HANDHOLE	EACH	4
7	*	81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	7 **
8		81603037	UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	9,185
9		81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	1,385
10		82500360	LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 100 AMP	EACH	2
11	*	83008200	LIGHT POLE, ALUMINUM, 40 FT. M.H., 6 FT. MAST ARM	EACH	44
12	*	83008300	LIGHT POLE, ALUMINUM, 40 FT. M.H., 8 FT. MAST ARM	EACH	4
13	*	83008400	LIGHT POLE, ALUMINUM, 40 FT. M.H., 10 FT. MAST ARM	EACH	4
14	*	83008500	LIGHT POLE, ALUMINUM, 40 FT. M.H., 12 FT. MAST ARM	EACH	4
15		83600200	LIGHT POLE FOUNDATION , 24" DIAMETER	FOOT	572
16	*	X8210677	LUMINAIRE, PULSE START, METAL HALIDE, HORIZONTAL MOUNT 400 WATT	EACH	44

- * INDICATES SPECIAL PROVISION
- ** INDICATES TWO (2) EXTRA TYPE 1 HANDHOLES TO BE INSTALLED PER THE CITY OF ROCKFORD'S DIRECTION

DIRECTORY = L:\ROCKFORD\1126884\3-04\CADD_Sheets\126-05E_Mission\

 CMT CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 184-000613	USER NAME = Jason Dove FILE NAME: 0264515-shr-light001.dgn PLOT SCALE = 1:80000 / in. PLOT DATE = 4/18/2012 - 6:14:01 PM	DESIGNED - JWD DRAWN - JWD CHECKED - AB DATE - 01/25/2012	REVISED -  04/17/2012 REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY LIGHTING NOTES AND ROADWAY LIGHTING SUMMARY OF QUANTITIES		F.A.P. RTE. 742 SECTION 34R COUNTY WINNEBAGO CONTRACT NO. 64515	TOTAL SHEETS 491 SHEET NO. 301
	SCALE: N/A SHEET 1 OF 20 SHEETS STA. TO STA.				ILLINOIS FED. AID PROJECT			