

ROSEMONT LIGHTING BILL OF MATERIALS

ITEM	UNIT	QUANTITY
ELECTRIC SERVICE INSTALLATION	EACH	1
CONDUIT ENCASED, CONCRETE, 2" DIA., PVC 2 WIDE X 1 HIGH	FOOT	1200
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	130
UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	125
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/4" DIA.	FOOT	2750
CONDUIT ATTACHED TO STRUCTURE, 3/4" DIA., PVC COATED GALVANIZED STEEL	FOOT	1500
CONDUIT ATTACHED TO STRUCTURE, 1 1/2" DIA., PVC COATED GALVANIZED STEEL	FOOT	400
CONDUIT EMBEDDED IN STRUCTURE, 3/4" DIA. PVC	FOOT	110
CONDUIT EMBEDDED IN STRUCTURE, 1 1/4" DIA. PVC	FOOT	420
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12"x12"x8"	EACH	8
JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE 8"x8"x6"	EACH	8
HANDHOLE, COMPOSITE CONCRETE	EACH	2
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1600
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	19800
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	4500
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	3900
UNDERPASS LUMINAIRE, 70 WATT, HIGH PRESSURE SODIUM VAPOR	EACH	7
UNDERPASS LUMINAIRE, 400 WATT, HIGH PRESSURE SODIUM VAPOR	EACH	27
LIGHTING CONTROLLER, BASE MOUNTED, 240 VOLT, 100 AMP	EACH	1
LIGHT POLE FOUNDATION, METAL, 11 1/2" BOLT CIRCLE, 8 5/8" X 6'	EACH	18
BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE	EACH	15
REMOVAL OF POLE FOUNDATION	EACH	3
RELOCATE EXISTING LIGHTING UNIT	EACH	3
REMOVE EXISTING HANDHOLE	EACH	4
REINFORCED CONCRETE DUCT BANK REMOVAL	FOOT	1200
HANDHOLE, PORTLAND CEMENT CONCRETE (SPECIAL)	EACH	4
LIGHTING UNIT COMPLETE, SPECIAL	EACH	7
LIGHT POLE, SPECIAL	EACH	15
MAINTENANCE OF LIGHTING SYSTEM	L SUM	1

GENERAL ROADWAY LIGHTING NOTES

- ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE FOLLOWING SPECIFICATIONS, WHICH ARE HEREBY MADE A PART HEREOF:
 - "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS", AS PREPARED BY IDOT.
 - "THE NATIONAL ELECTRICAL CODE".
 - MUNICIPAL CODES & STANDARDS.
 - CHICAGO DEPARTMENT OF AVIATION STANDARDS.
- TO MAINTAIN THE STRUCTURAL INTEGRITY OF LIGHT POLES WITH MAST ARMS, THEY SHALL NOT BE ERECTED AND LEFT TO STAND WITHOUT LUMINAIRES. NOTE THAT THE CONTRACTOR SHALL NOT BE PAID FOR POLES UNTIL LUMINAIRES ARE INSTALLED.
- NO MATERIALS SHALL BE DELIVERED TO THE JOB SITE UNTIL ALL PERTINENT EQUIPMENT SUBMITTALS HAVE BEEN REVIEWED BY THE OWNER'S REPRESENTATIVE.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL PROPOSED EQUIPMENT FOR EXAMINATION AND CONFIRMATION WITH THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO AUGERING FOR LIGHT POLE FOUNDATIONS. THE EXACT LOCATIONS OF ALL PROPOSED ITEMS SHALL BE CONFIRMED WITH THE OWNER'S REPRESENTATIVE PRIOR TO STARTING WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TIMELY NOTIFICATION AND COORDINATION WITH THE ELECTRICAL UTILITY COMPANY.
- THE CONTRACTOR SHALL LABEL ALL WIRES WITH WIRE MARKERS INDICATING THE CIRCUIT ID IN EVERY CONTROLLER, POLE BASE, HAND HOLE AND SPLICE/CONNECTION POINT. WIRE MARKERS SHALL BE MECHANICALLY FASTENED WITH WHITE PLASTIC, TYPE "PLM" AS MANUFACTURED BY PANDUIT OR APPROVED EQUAL.
- EQUIPMENT GROUND CONDUCTORS SHALL BE SPLICED AND BONDED AT EACH LIGHT POLE OR OTHER PIECE OF EQUIPMENT.
- THE LIGHTING CONTROLLER SHALL BE CONSTRUCTED TO UL STANDARDS 508 AND 508A, AND BEAR THE LABEL "INDUSTRIAL CONTROL PANEL".
- ALL DISTURBED AREA WHERE RESTORATION IS NOT COVERED BY APPLICABLE SECTIONS OF THE SPECIAL PROVISIONS MUST BE RESTORED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE. THE WORK WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT. SEPARATE PAYMENT WILL NOT BE MADE.
- THE EXACT LOCATIONS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE LIGHTING SYSTEM. FOR THE LOCATIONS OF THE UTILITIES, CALL JULIE TOLL FREE AT 1-800-892-0123.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION/DIRECTION AND MEANS/METHODS OF CONSTRUCTION.
- THE ELECTRICAL CONTRACTOR SHALL FURNISH THREE SETS OF FULL SIZE RECORD DRAWINGS TO THE OWNER'S REPRESENTATIVE UPON COMPLETION OF THE LIGHTING AND ELECTRICAL IMPROVEMENTS. THE DRAWINGS SHALL SHOW THE INSTALLED LOCATIONS OF ALL LIGHT POLES, UNDERGROUND CONDUITS/WIRING, HANDHOLES, JUNCTION BOXES & CONTROLLER CABINETS. THE DRAWINGS WILL BE REVIEWED BY THE OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL PERFORM ELECTRICAL TESTING AND VERIFY THAT THE INSTALLATION COMPLIES WITH THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS.
- ALL UNDERGROUND CONDUIT SHALL BE SCH 40 HDPE UNLESS OTHERWISE NOTED. ALL CONDUIT ATTACHED TO STRUCTURE SHALL BE PVC COATED RIGID GALVANIZED STEEL UNLESS OTHERWISE NOTED. ALL WIRING SHALL BE XLP-TYPE USE RATED FOR 600 VOLTS UNLESS OTHERWISE NOTED.

 CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 923-0900	USER NAME = pmagnelli	DESIGNED <i>AJD</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHTING PLAN BALMORAL UNDERPASS GENERAL NOTES AND BILL OF MATERIAL	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1/8" = 1'-0"	CHECKED <i>AJD</i>	REVISED -			330	0105 WRS&HB	COOK	605	324
PLOT DATE = 10/17/2012	DATE = 1/17/2012	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
						ILLINOIS FED. AID PROJECT				