

LIGHTING GENERAL NOTES

- ALL CONSTRUCTION SHALL BE 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)

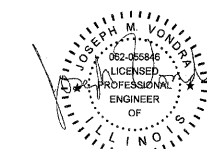
NATIONAL ELECTRIC CODE, 2008 EDITION

DISTRICT ONE RECURRING SPECIAL PROVISIONS FOR ROADWAY LIGHTING, ADOPTED JANUARY 1, 2008.
- ANY ROADWAY LIGHTING MATERIALS AND/OR LIGHTING SYSTEMS SHOWN ON THE PLAN SHEETS AS "EXISTING" ARE FOR THE CONTRACTOR'S INFORMATION ONLY. THE CONTRACTOR MUST FIELD VERIFY EXISTING ROADWAY LIGHTING MATERIALS/SYSTEMS AS SPECIFIED IN THE "GENERAL ELECTRICAL PROVISIONS".
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL LUMINAIRES FOR EXAMINATION AND CONFIRMATION WITH THE ENGINEER AT THE PRECONSTRUCTION INSPECTION.
- PROPOSED UNDERGROUND RACEWAYS, UNIT DUCT AND WARNING TAPE SHALL NOT BE INSTALLED UNTIL FINAL GRADE HAS BEEN ESTABLISHED. UNLESS OTHERWISE DIRECTED BY THE ENGINEER, RACEWAYS AND UNIT DUCT SHALL BE INSTALLED AT A DEPTH OF 0.6 METERS. THE INSTALLATION OF THE WARNING TAPE SHALL BE INSPECTED BY THE ENGINEER PRIOR TO BACKFILLING OR DURING PLOWING OPERATIONS, AS APPLICABLE. AT THE REQUEST OF THE ENGINEER, THE CONTRACTOR SHALL HAND-DIG ONE TEST HOLE FOR EACH 300-METERS OF TRENCH/PLOWING. TEST HOLE CHECKS SHALL BE WITNESSED BY THE ENGINEER TO VERIFY THE DEPTH AND CONDITION OF UNIT DUCT WARNING TAPE AND RACEWAYS. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE UNIT DUCT PAY ITEM.
- QUANTITIES OF TRENCHED CONDUIT, WHERE INDICATED ON THE CONTRACT DRAWINGS, ARE APPROXIMATIONS. THE CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS AND SHALL INSTALL RACEWAYS IN COMPLETE CONFORMANCE WITH SPECIFICATIONS.
- UNLESS OTHERWISE NOTED, ALL UNIT DUCT PROVIDED BY THIS CONTRACT SHALL BE 30MM DIA. UNIT DUCT WITH 3-1/C NO. 4 (BLACK, RED, AND WHITE COLOR CODED) AND 1/C NO. 6 (GREEN COLOR CODED) GROUND. QUANTITIES SHOWN FOR UNIT DUCT AND CONDUIT SHALL BE CONFIRMED IN THE FIELD.
- THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENTS FOR SPLICING ELECTRICAL CABLE. SEE "GENERAL ELECTRICAL REQUIREMENTS" AND SPLICING DETAIL ON SHEET 7 OF 10.
- THE CONTRACTOR SHALL MAKE NOTE OF THE REQUIREMENTS FOR GROUNDING.
 - GROUNDING CONNECTIONS AT THE FOUNDATION STEEL AND AT THE GROUND ROD SHALL BE EXOTHERMICALLY WELDED, AS SPECIFIED, AND SHALL BE INSPECTED AND APPROVED BY THE RESIDENT ENGINEER PRIOR TO POURING CONCRETE OR BACKFILLING, AS APPLICABLE.
 - EQUIPMENT GROUND CONDUCTORS (GREEN COLOR CODED) SHALL BE SPLICED AND PIGTAILED TO EACH METALLIC JUNCTION/PULL BOX THEY PASS THROUGH AS WELL AS AT EACH LIGHT POLE OR OTHER PIECE OF EQUIPMENT. THE CONNECTION SHALL UTILIZE U.L. LISTED CLAMPS, PRESSURE CONNECTORS OR OTHER U.L. LISTED MEANS.
 - METALLIC JUNCTION/PULL BOXES SHALL BE EQUIPPED FOR THE GROUNDING WIRE TERMINATIONS WITHOUT DEGRADATION OF BOX RATING.
- THE CONTRACTOR SHALL SUBMIT FULL SIZE COMPLETE, NEAT AND ACCURATE "RECORD DRAWINGS" TO THE ENGINEER FOR REVIEW AND COMMENT, AS SPECIFIED. THE "RECORD DRAWINGS" SHALL BE UPDATED ON REGULAR BASIS AND DEPICT ALL ROADWAY LIGHTING MATERIAL INSTALLATIONS WITH ANY CHANGES INDICATED IN RED. "RECORD DRAWINGS" SHALL BE SUBMITTED AT LEAST 7 DAYS BEFORE SCHEDULING A FINAL INSPECTION.

- WITHIN THIRTY (30) DAYS AFTER THE CONTRACT IS SIGNED AND BEFORE ANY WORK IS AUTHORIZED BY THE ENGINEER, THE CONTRACTOR SHALL SUBMIT MANUFACTURER'S LITERATURE PERTAINING TO LIGHTING WORK FOR THE ELECTRICAL ENGINEER'S REVIEW AND APPROVAL.
- THE CONTRACTOR SHALL NOTIFY J.U.L.I.E. (1-800-892-0123) TO LOCATE AND MARK/STAKE ALL UNDERGROUND UTILITIES.
- THE CONTRACTOR SHALL, AS DIRECTED BY THE ENGINEER, DISPOSE THE EXISTING ELECTRICAL MATERIAL. THE COST OF THIS WORK SHALL BE INCLUDED IN THE RESPECTIVE PAY ITEM.
- THE EXISTING SCHEMATIC WIRING, SHOWN ON SHEET 5 OF 10 IS FOR REFERENCE ONLY. THE CONTRACTOR SHALL VERIFY IN THE FIELD CIRCUITS FOR EXISTING LIGHTING SYSTEM.
- THE CONTRACTOR SHALL GIVE IN WRITING TO THE ELECTRICAL ENGINEER FOR REVIEW CONSTRUCTION STAGING FOR THE PROPOSED ROADWAY LIGHTING WORK AND THE CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FROM THE ENGINEER.
- THE LIGHTING SYSTEM SHALL REMAIN IN OPERATION BETWEEN 4 P.M. AND 8 A.M. OR AS DIRECTED BY THE ENGINEER.

LIGHTING SCHEDULE QUANTITIES

Description	Unit	Quantity
UNDERPASS LUMINAIRE, 100 WATT, HIGH PRESSURE SODIUM VAPOR	EACH	8
TEMPORARY WOOD POLE, 12.19 METER, CLASS 4	EACH	2
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 150MM X 150MM X 100MM	EACH	8
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 300MM X 250MM X 150MM	EACH	4
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 400MM X 350MM X 150MM	EACH	4
UNIT DUCT, WITH 3-1/C NO. 4 AND 1/C NO. 6 GROUND, 600V (EPR-TYPE RHW) 30MM DIA., POLYETHYLENE	METER	185
ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW), 1/C NO. 10	METER	1040
AERIAL CABLE, 3-1/C NO. 4, ALUMINUM, WITH MESSENGER WIRE	METER	250
TRENCH AND BACKFILL FOR ELECTRICAL WORK	METER	165
CONDUIT ATTACHED TO STRUCTURE, 65MM DIA., GALVANIZED STEEL, PVC COATED	METER	25
CONDUIT ATTACHED TO STRUCTURE, 75MM DIA., GALVANIZED STEEL, PVC COATED	METER	20
CONDUIT ATTACHED TO STRUCTURE, 25MM DIA., GALVANIZED STEEL, PVC COATED	METER	200
ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW), 3-1/C NO. 4, 1/C #6 GROUND	METER	30
TEMPORARY UNDERPASS LIGHTING INSTALLATION AND REMOVAL	L SUM	1
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	6
UNDERPASS LIGHTING REMOVAL	L SUM	1



DATE: 1/16/2009
SEAL EXPIRES: 11/30/2009

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CGI
Corba Group, Inc.
CONSULTING ENGINEERS
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USER NAME = dmorris	DESIGNED - JMV	REVISED -
	DRAWN - MB	REVISED -
PLOT SCALE = 0.0010 m / MM.	CHECKED - JMV	REVISED -
PLOT DATE = 1/16/2009	DATE - 1/16/2009	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAI 57/INTERSTATE 57
125TH STREET OVER I-57
LIGHTING GENERAL NOTES AND SCHEDULE OF QUANTITIES**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	181B.3B-R	COOK	58	15
CONTRACT NO. 60862				
SCALE: SHEET NO. 1 OF 10 SHEETS STA. TO STA. FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				