

GENERAL NOTES

1. 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".
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL LUMINAIRES FOR EXAMINATION AND CONFIRMATION WITH THE RESIDENT ENGINEER AT THE PRECONSTRUCTION INSPECTION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF THE FINISHED GRADE. THE ENGINEER MAY ASSIST THE CONTRACTOR AS APPLICABLE, BUT THE RESPONSIBILITY FOR COORDINATING FINISHED GRADE ELEVATION WITH THE TOP OF THE FOUNDATION HEIGHTS SHALL REMAIN WITH THE CONTRACTOR.
4. 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 30-INCHES, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. 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 AND AT NO ADDITIONAL COST, THE CONTRACTOR SHALL HAND-DIG TEST HOLES, WITH ONE TEST HOLE DUG FOR EACH 1000-FT 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.
5. QUANTITIES OF TRENCHED AND PUSHED 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.
6. THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENTS FOR SPLICING ELECTRICAL CABLE. SEE "GENERAL ELECTRICAL REQUIREMENTS" AND SPLICING DETAIL ON SHEET E-3.
7. THE CONTRACTOR SHALL MAKE NOTE OF THE REQUIREMENTS FOR GROUNDING.
 - A. 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.
 - B. 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.
 - C. METALLIC JUNCTION/PULL BOXES SHALL BE EQUIPPED FOR THE GROUNDING WIRE TERMINATIONS WITHOUT DEGRADATION OF BOX RATING.
8. THE CONTRACTOR SHALL SUBMIT FULL SIZED 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.

9. 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.
10. THE CONTRACTOR SHALL NOTIFY J.U.L.I.E. (1-800-892-0123). TO LOCATE AND MARK/STAKE ALL UNDERGROUND UTILITIES.
11. THE CONTRACTOR SHALL NOTIFY THE CITY OF MARKHAM TO LOCATE AND MARK/STAKE ALL CITY OWNED UNDERGROUND UTILITIES.
12. THE CONTRACTOR SHALL, AS DIRECTED BY THE ENGINEER, DISPOSE OF THE EXISTING ELECTRICAL MATERIAL. THE COST OF THIS WORK SHALL BE INCLUDED IN THE RESPECTIVE PAY ITEM.
13. THE EXISTING SCHEMATIC WIRING, SHOWN ON SHEET E-2 & E-3 IS FOR REFERENCE ONLY. THE CONTRACTOR SHALL VERIFY IN THE FIELD, CIRCUITS FOR EXISTING LIGHTING SYSTEM.
14. THE ENGINEER SHALL DETERMINE IN THE FIELD, THE EXACT LOCATION AND TYPE OF FOUNDATION IF REQUIRED TO DRILL
15. 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 ELECTRICAL ENGINEER.
16. THE LIGHTING SYSTEM SHALL REMAIN IN OPERATION BETWEEN 4 P.M. AND 8 A.M. OR AS DIRECTED BY THE ENGINEER.

PAY ITEM	UNITS	QUANTITY
CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL	FOOT	525
CONDUIT ATTACHED TO STRUCTURE, 3" DIA., PVC COATED GALVANIZED STEEL	FOOT	80
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	14
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	2
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 16" X 14" X 6"	EACH	2
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1975
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	245
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	735
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	245
UNDERPASS LUMINAIRE, 100 WATT, HIGH PRESSURE SODIUM VAPOR	EACH	8
REMOVE EXISTING LIGHTING SYSTEM	L SUM	1
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	6

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USER NAME = Zpomid	DESIGNED - DJB	REVISED -
PLOT SCALE = 20.00' / IN.	DRAWN - ENTRAN	REVISED -
PLOT DATE = 7/6/2011	CHECKED - TMH	REVISED -
	DATE - 06/15/11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAI ROUTE 57 (INTERSTATE 57) AT FAU ROUTE 3778 (CRAWFORD AVENUE)
UNDERPASS LIGHTING GENERAL NOTES**

SCALE: 20.00' / IN. SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE. 57	SECTION 1112.1B	COUNTY COOK	TOTAL SHEETS 75	SHEET NO. 24
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60863	