

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1312	0707-B	COOK	80	29

STA.	TO STA.
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

CONTRACT NO. 60B98

GENERAL ELECTRICAL PLAN NOTES

- THIS PROJECT INCLUDES THE REMOVAL AND REPLACEMENT OF THE EMERSON ST. BRIDGE OVER THE NORTH SHORE CHANNEL. ALSO INCLUDED IS THE RECONSTRUCTION OF THE BRIDGE APPROACHES.

THERE IS EXISTING CITY OF EVANSTON LIGHTING ALONG EMERSON ST. WHEN THE BRIDGE IS REMOVED THERE IS EXISTING LIGHTING WHICH WILL BE REMOVED AND SALVAGED BY THE CITY. EXISTING LIGHTING ON THE APPROACHES WILL ALSO BE IN CONFLICT WITH THE RECONSTRUCTION AND WILL HAVE TO BE REMOVED. THE END OF THIS LIGHTING SYSTEM IS AT MCCORMICK BLVD. THE BRIDGE WILL BE CLOSED DURING CONSTRUCTION THEREFORE TEMPORARY LIGHTING IS NOT REQUIRED. THE CONTRACTOR WILL RECONNECT THE PROPOSED LIGHTING TO THE EXISTING LIGHTING SYSTEM EAST OF THE BRIDGE
- THE CONTRACTOR SHALL REQUEST A FORMAL MAINTENANCE TRANSFER BEFORE ANY WORK. LIGHTING OR OTHER BEGINS. THE CONTRACTOR SHALL CONTACT THE CITY OF EVANSTON DIVISION OF TRANSPORTATION AT (847) 866-2922.
- THE CONTRACTOR SHALL CONTACT THE ELECTRICAL UTILITY COMPANY TO COORDINATE THE ELECTRICAL SERVICE WORK.
- TO MAINTAIN THE STRUCTURAL INTEGRITY OF THE LIGHT POLES. THE LIGHT POLES SHALL NOT BE ERECTED AND/OR LEFT TO STAND WITHOUT LUMINAIRE. NOTE THAT THE LIGHT POLES WILL NOT BE PAID FOR UNTIL THE POLES ARE FULLY APPROVED AND THE LUMINAIRES ARE INSTALLED.
- THE QUANTITIES OF RACEWAYS WHERE INDICATED IN THESE PLANS ARE APPROXIMATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS AND SHALL INSTALL RACEWAYS IN COMPLETE COMPLIANCE WITH THE SPECIFIED REQUIREMENTS.
- THE EQUIPMENT GROUNDING CONDUCTORS SHALL BE SPLICED AND BONDED TO EACH JUNCTION BOX AND PULL BOX THE CONDUCTORS PASS THROUGH. JUNCTION BOXES SHALL BE EQUIPPED WITH GROUND LUGS FOR GROUND WIRE TERMINATION WITHOUT DEGRADATION OF THE JUNCTION BOX RATING.
- TRENCHES FOR LIGHTING RACEWAYS SHALL HAVE A MINIMUM DEPTH OF 30".
- AT THE COMPLETION OF THE PROJECT THE LIGHTING SYSTEM SHALL BE OWNED AND MAINTAINED BY THE CITY OF EVANSTON.
- THE PROPOSED LIGHT POLE AND LUMINAIRE SHALL MATCH THE EXISTING EQUIPMENT ALONG EMERSON STREET AND SHALL BE APPROVED BY THE CITY OF EVANSTON.
- LIGHTING SYSTEM INSTALLATION SHALL CONFORM TO THE LATEST IDOT, STANDARDS, NEC AND LOCAL CODES.
- THE CONTRACTOR SHALL SPLICE THE PROPOSED CABLE CONNECTIONS TO THE EXISTING LIGHTING UNITS IN THE POLE HANDHOLE. THE COST OF THIS WORK SHALL BE INCLUDED WITH THE COST OF THE UNIT DUCT.

BILL OF MATERIALS

DESCRIPTION	UNIT	QUANTITY
JUNCTION BOX NM EMBEDDED IN STRUCTURE 18"x18"x6"	EACH	4
UNIT DUCT, 600V, 2-1/C *4, 1/C *6 GROUND (EPR-TYPE RHW), 1" DIA. POLYETHYLENE	FOOT	730
ELECTRIC CABLE IN CONDUIT 600V 1/C *6 (EPR-TYPE RHW)	FOOT	500
ELECTRIC CABLE IN CONDUIT 600V 1/C *4 (EPR-TYPE RHW)	FOOT	1000
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	560
LIGHT POLE FOUNDATION, 24" DIA.	FOOT	40
REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE	EACH	7
LIGHTING FOUNDATION REMOVAL	EACH	4
LIGHT POLE ALUMINUM 30' MH, 6' DAVIT ARM	EACH	5
LUMINAIRE 400W MERCURY VAPOR	EACH	8
LIGHT POLE ALUMINUM 28' MH, 6' DAVIT ARM BRIDGE MOUNTED	EACH	3

FILE# 10/17/2007

LTG-01

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EMERSON STREET OVER
NORTH SHORE CHANNEL
GENERAL NOTES AND BILL OF MATERIALS



SCALE: NONE
DATE: 10-17-07
DRAWN BY: RY
DESIGNED BY: BL
CHECKED BY: KG