F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	2003-031I	COOK	976	392
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62583

N

NOTES:

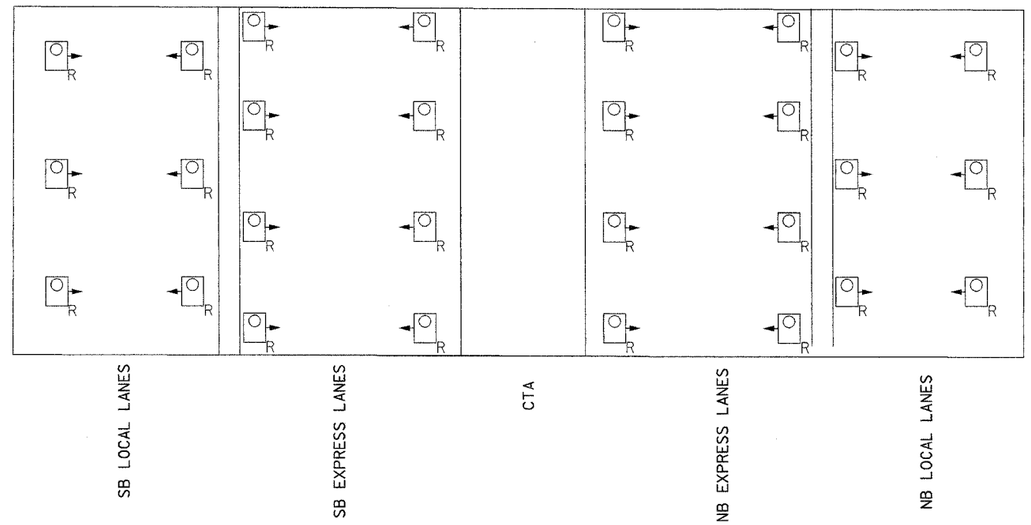
1. SEE DRAWING ME-01 FOR ELECTRICAL SYMBOLS, ABBREVIATION, AND NOTES.
2. LOCATIONS OF EXISTING ELECTRICAL EQUIPMENT SHOWN ON THIS DRAWING ARE APPROXIMATIONS AND MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
3. SEE DRAWING ME-06 FOR SUSPENDED UNDERPASS LUMINAIRE MOUNTING AND CABLE & CONDUIT DETAILS.
4. SEE DRAWING RL08-42 FOR CONTINUATION OF UNDERPASS LIGHTING CIRCUIT FEEDS.
5. ALL PROPOSED UNDERPASS LIGHTING UNITS SHOWN ON THIS DRAWING WILL BE FED FROM IDOT LIGHTING CONTROLLER "V". SEE DRAWING SL08-01 FOR SINGLE LINE DIAGRAM FOR LIGHTING CONTROLLER "V".
6. CONTRACTOR MUST REMOVE AND DISPOSE OF ALL EXISTING CABLE, CONDUIT, JUNCTION BOXES, AND ALL MOUNTING HARDWARE ASSOCIATED WITH THE EXISTING UNDERPASS LIGHTING.
7. SPLICE THE NEW UNDERPASS LIGHTING CIRCUITS OVER THE EXPRESS LANES TO THE EXISTING UNDERPASS LIGHTING CIRCUITS OVER THE LOCAL LANES DURING 2006.
8. THE CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE OF THE EXISTING LIGHTING SYSTEM SHOWN ON THIS DRAWING. THE EXISTING ELECTRICAL POWER FEEDS MAY NOT BE REMOVED UNTIL SUCH TIME AS THE PROPOSED POWER FEEDS ARE INSTALLED. PROVIDE TEMPORARY POWER AS REQUIRED TO MAINTAIN THE EXISTING LIGHTING SYSTEM AND THE PROPOSED LIGHTING SYSTEM AT DIFFERENT STAGES.

SEQUENCE OF WORK

2005: EXISTING UNDERPASS LIGHTING CONNECTED TO EXISTING CONTROLLER.

2006: PROPOSED UNDERPASS LIGHTING OVER THE EXPRESS LANES AND EXISTING UNDERPASS LIGHTING OVER LOCAL LANES CONNECTED TO PROPOSED CONTROLLER.

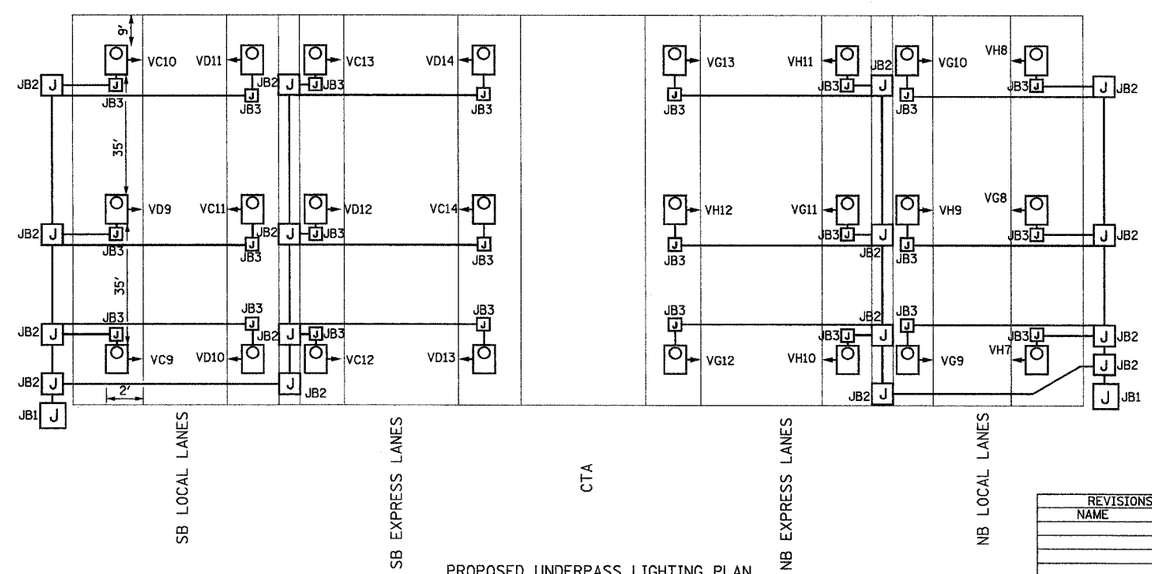
2007: PROPOSED UNDERPASS LIGHTING CONNECTED TO PROPOSED CONTROLLER.



EXISTING UNDERPASS LIGHTING PLAN

JUNCTION BOX SCHEDULE		
NO.	SIZE	DESCRIPTION
JB1	12"x12"x6"	STAINLESS STEEL ATTACHED TO STRUCTURE
JB2	12"x10"x6"	STAINLESS STEEL ATTACHED TO ABUTMENT OR TOP OF PIER AS SHOWN
JB3	6"x6"x4"	STAINLESS STEEL ATTACHED TO ABUTMENT OR TOP OF PIER AS SHOWN

UNDERPASS LIGHTING BILL OF MATERIALS		
ITEM	UNIT	QUANTITY
CONDUIT ATTACHED TO STRUCTURE 1" DIA. GALVS. PVC COATED	FOOT	1260
ELECTRIC CABLE IN CONDUIT, 600V EPR TYPE RHW 1/C#10	FOOT	3970
JUNCTION BOX, STAINLESS STEEL ATTACHED TO STRUCTURE 6"x6"x4"	EACH	24
JUNCTION BOX, STAINLESS STEEL ATTACHED TO STRUCTURE 12"x10"x6"	EACH	16
JUNCTION BOX, STAINLESS STEEL ATTACHED TO STRUCTURE 12"x12"x6"	EACH	2
REMOVE EXISTING UNDERPASS LUMINAIRE	EACH	28
UNDERPASS LUMINAIRE 70 WATT HIGH PRESSURE SODIUM VAPOR	EACH	24



PROPOSED UNDERPASS LIGHTING PLAN

UL-36

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31st STREET TO I-57

UNDERPASS LIGHTING PLAN
PERSHING ROAD

SCALE: NONE
DRAWN BY: BL
DATE: OCTOBER 29, 2004
CHECKED BY: SM

KAM ENGINEERING, INC.
CONSULTING ENGINEERS
707A Davis Road, Suite 205
Elgin, Illinois 60123-1369

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