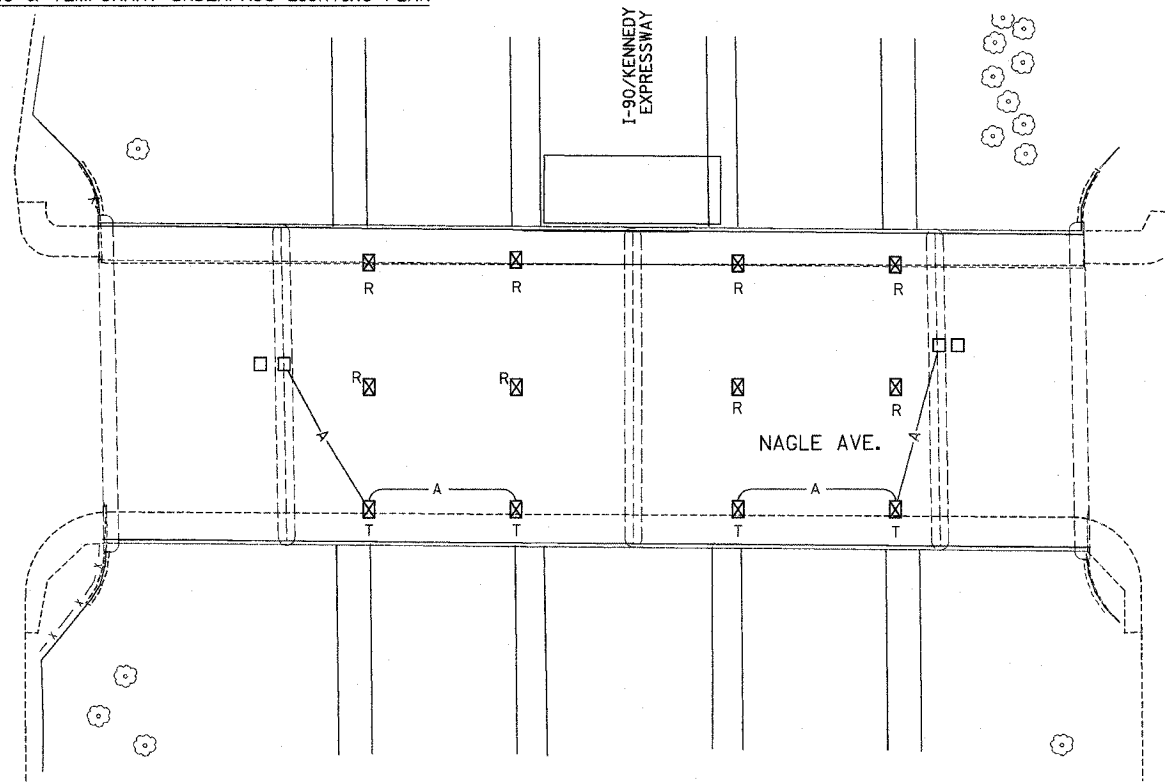
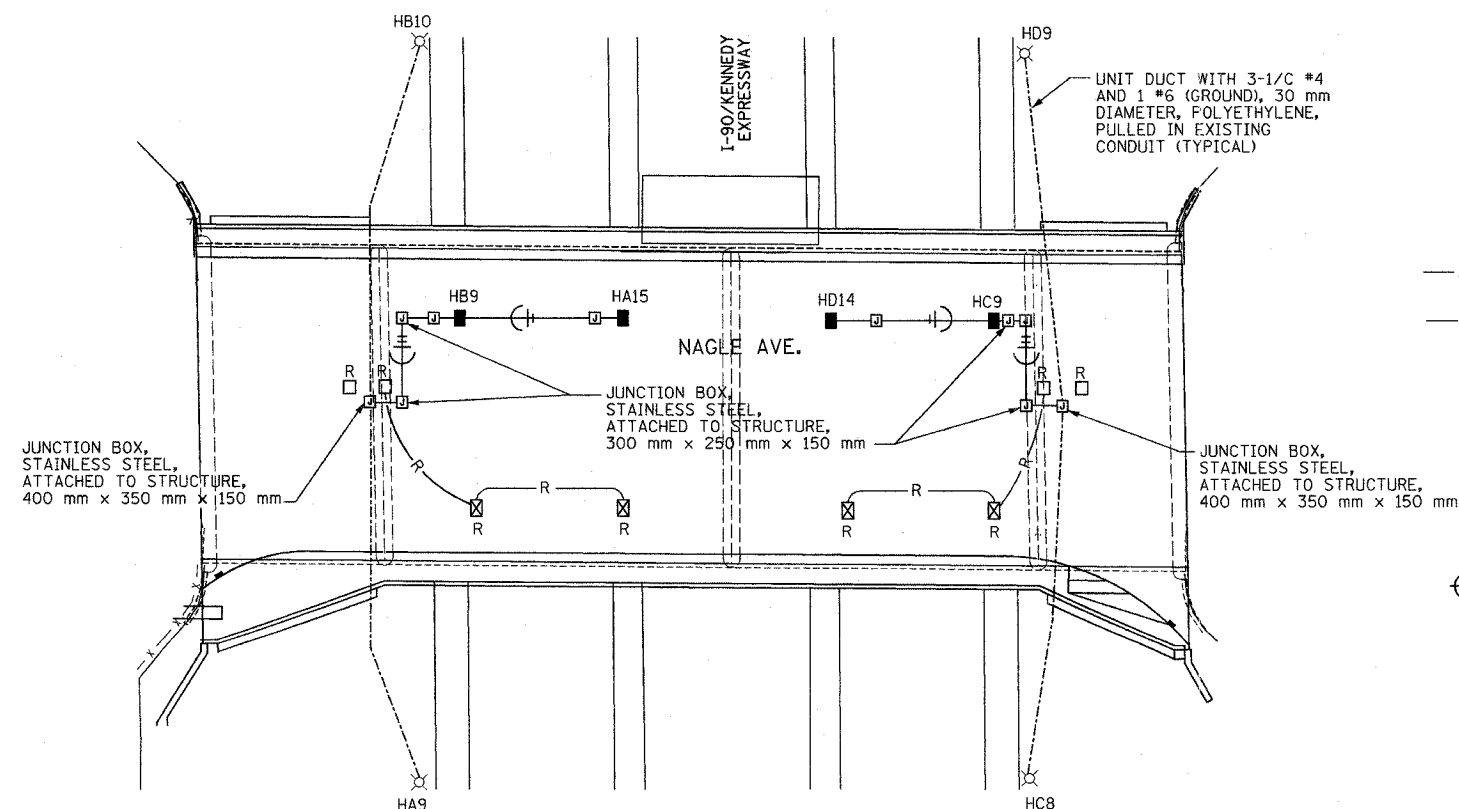


FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	1314B	COOK	160	67
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

**STAGE I**  
EXISTING & TEMPORARY UNDERPASS LIGHTING PLAN



**STAGE II**  
TEMPORARY AND PROPOSED UNDERPASS LIGHTING PLAN



**DEMOLITION NOTES**

1. PRIOR TO STARTING ANY WORK, THE CONTRACTOR SHALL PERFORM A MAINTENANCE PRE-CONSTRUCTION INSPECTION, TO BE HELD IN THE PRESENCE OF THE ENGINEER AND A REPRESENTATIVE RESPONSIBLE FOR MAINTENANCE OF ANY ELECTRICAL LIGHTING AND/OR TRAFFIC CONTROL SYSTEMS
2. PRIOR TO REMOVAL OF EXISTING UNDERPASS LIGHTING, THE CONTRACTOR SHALL VERIFY AND DOCUMENT THE FEEDER LOCATION AND CIRCUITRY. THE CONTRACTOR SHALL PROVIDE AND INSTALL THE IN-LINE FUSES IN EXISTING JUNCTION NEAR ABUTMENT TO ISOLATE AND MAINTAIN EXISTING AND TEMPORARY LIGHTING CIRCUITS.
3. PRIOR TO STARTING ANY WORK DURING THE MAINTENANCE PRE-CONSTRUCTION INSPECTION, THE CONTRACTOR SHALL FIELD INVESTIGATE TO DETERMINE THE MEANS AND METHODS FOR PROVIDING PROTECTION TO THE EXISTING ELECTRICAL POWER AND SURVEILLANCE CONDUIT, THAT IS TO REMAIN IN PLACE DURING CONSTRUCTION, MOUNTED ON THE ABUTMENT WALL, BENEATH THE LINE OF STRUCTURAL IMPROVEMENTS.
4. PRIOR TO REMOVAL OF THE BRIDGE DECK IN STAGE I OF CONSTRUCTION, THE CONTRACTOR SHALL REMOVE THE EXISTING UNDERPASS LUMINAIRES MARKED 'R'. WIRES AND CONDUITS ASSOCIATED WITH THOSE LUMINAIRES SHALL BE REMOVED UP TO THE NEAREST JUNCTION BOX IN CONCRETE MEDIAN. THE REMAINING FIXTURES SHALL BE CONNECTED TO THE EXISTING CIRCUIT AS SHOWN ON THE PLAN AND SHALL BE SUSPENDED UNDER THE PROTECTIVE SHIELD. THEY SHALL BE USED FOR TEMPORARY LIGHTING DURING PHASE I OF CONSTRUCTION.
5. PRIOR TO REMOVAL OF THE BRIDGE DECK IN STAGE II OF CONSTRUCTION, THE CONTRACTOR SHALL REMOVE THE REST OF THE EXISTING UNDERPASS LUMINAIRES. WIRES AND CONDUITS ASSOCIATED WITH THOSE LUMINAIRES SHALL BE REMOVED UP TO THE NEAREST JUNCTION BOX IN CONCRETE MEDIAN.
6. REMOVAL OF EXISTING JUNCTION BOXES, CONDUIT AND CABLES TO UNDERPASS LIGHTING SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER LUMP SUM FOR TEMPORARY UNDERPASS LIGHTING INSTALLATION AND REMOVAL.

**TEMPORARY UNDERPASS LIGHTING NOTES**

1. THIS WORK SHALL CONSIST OF THE REMOVAL OF EXISTING FIXTURES. ANY MODIFICATIONS, REINSTALLATION, DISPOSAL OF/AND NEW UNDERPASS FIXTURES, CONDUIT, SUPPORTS, CABLES, JUNCTION BOXES, AND OTHER RELATED ITEMS AS REQUIRED TO COMPLETE THE TEMPORARY UNDERPASS LIGHTING REMOVAL AND INSTALLATION. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER LUMP SUM FOR TEMPORARY UNDERPASS LIGHTING INSTALLATION & REMOVAL, WHICH WILL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO CONSTRUCT AND MAINTAIN THE TEMPORARY LIGHTING SYSTEM.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY UNDERPASS LIGHTING FOR BOTH STAGE I AND STAGE II CONSTRUCTION. THE TEMPORARY UNDERPASS LIGHTING MAY REQUIRE THE CONTRACTOR TO MAKE SEVERAL CHANGES IN THE LOCATION OF THE UNDERPASS LUMINAIRE. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER LUMP SUM FOR THE TEMPORARY UNDERPASS LIGHTING INSTALLATION & REMOVAL.
3. THE CONTRACTOR SHALL VERIFY THE FEEDER LOCATION AND CIRCUITRY FOR THE UNDERPASS LIGHTING PRIOR TO BEGINNING THE WORK. SPLICE TEMPORARY AERIAL CABLES TO EXISTING CABLES SERVING UNDERPASS LIGHTS IN EXISTING JUNCTION BOXES PROVIDE AND INSTALL IN-LINE FUSES TO ISOLATE AND MAINTAIN EXISTING & TEMPORARY CIRCUITS.
4. AT THE COMPLETION OF STAGE I THE CONTRACTOR SHALL INSTALL NEW LUMINAIRES AND CONNECT THEM TO THE EXISTING CIRCUIT. THE NEW LUMINAIRES SHALL BE SUSPENDED UNDER THE PROTECTIVE SHIELD AND SHALL SERVE AS TEMPORARY LIGHTING DURING STAGE II.
5. AT THE COMPLETION OF STAGE II, THE CONTRACTOR SHALL INSTALL THE REST OF THE NEW LUMINAIRES AND CONNECT THEM TO THE EXISTING CIRCUIT

**LEGEND**

- A — TEMPORARY AERIAL CABLE, 4-1/2 #8 WITH MESSENGER WIRE
- R — AERIAL CABLE TO BE REMOVED
- ⊠ — EXISTING UNDERPASS LIGHTING UNIT TO REMAIN IN PLACE AND TO BE REUSED FOR TEMPORARY UNDERPASS LIGHTING.
- ⊠ — REMOVE UNDERPASS LIGHTING UNIT. REMOVAL INCLUDES ALL ASSOCIATED CONDUITS, WIRING AND ALL OTHER MISCELLANEOUS EQUIPMENT.
- — UNDERPASS LUMINAIRE, 70W HPS
- ⊠ — JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 150 mm x 150 mm x 100 mm, UNLESS OTHERWISE NOTED
- — EXISTING JUNCTION BOX TO REMAIN
- — EXISTING JUNCTION BOX TO BE REMOVED
- ⊠ — CONDUIT ATTACHED TO STRUCTURE, 25 mm DIA. UNLESS OTHERWISE NOTED.
- (with circle) — DENOTES PHASE CONDUCTORS (#10 AWG MIN.)
- (with vertical line) — DENOTES NEUTRAL CONDUCTOR
- (with triangle) — DENOTES GROUND CONDUCTOR (#10 INSULATED.)

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E-04

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
NAGLE AVE OVER FAI-90  
(KENNEDY EXPY)  
IDOT TEMPORARY  
UNDERPASS LIGHTING PLAN

SCALE: 1:250  
DATE: DEC 2004  
DRAWN BY: RV  
CHECKED BY: SM

