

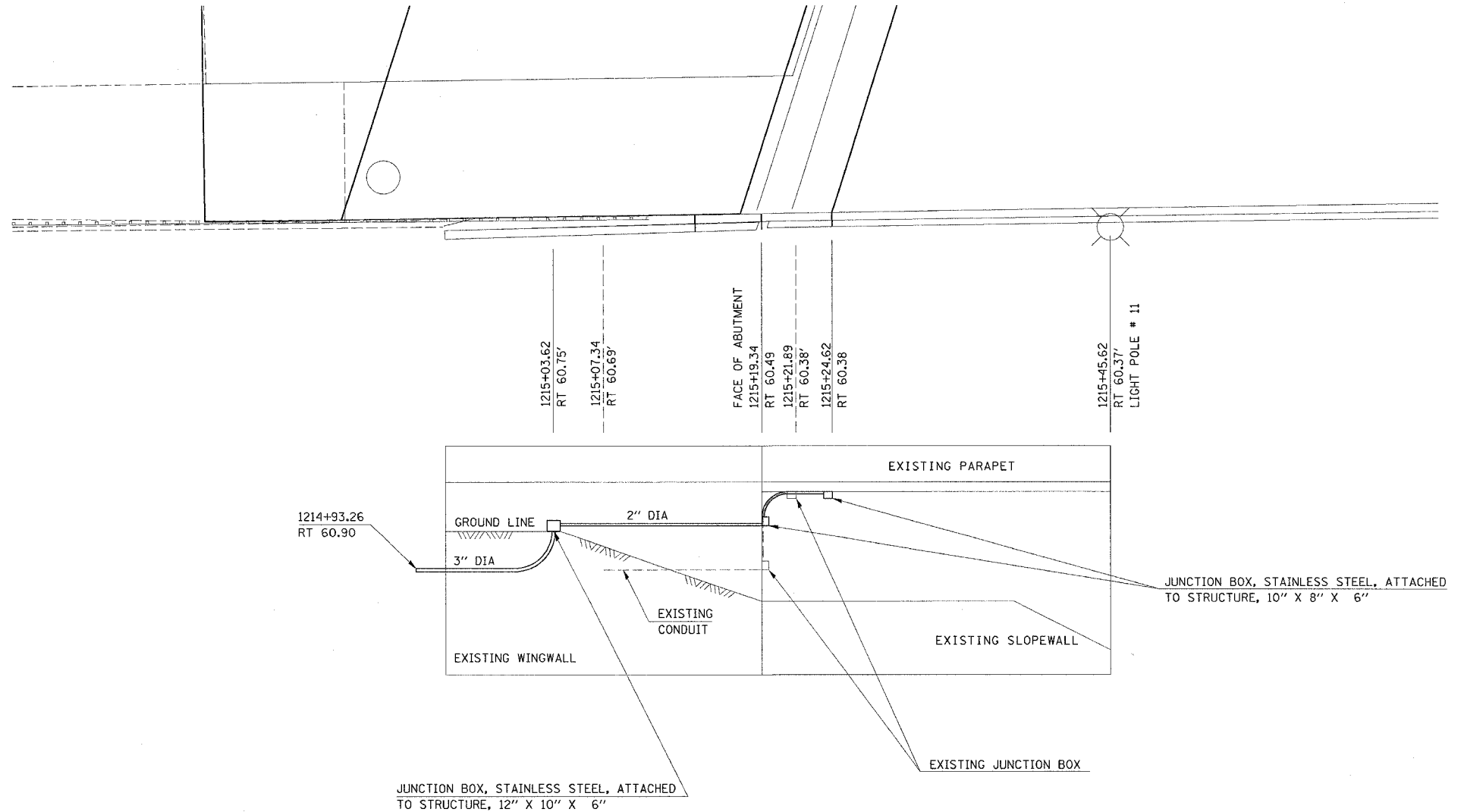
TEMPORARY LIGHTING DETAIL (CONTD.)

AT S.N. 010-0021 - EASTBOUND

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	CHAMPAIGN	115	69
STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		
* 10(5-1-RS-1,14-1(R)RS & 6RS-3)				



- 81100600 CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL
STATION / OFFSET TO STATION / OFFSET FOOT
1215+03.62 / RT 60.75' 1215+24.62 / 60.38' 24.0
TOTAL 24.0
- 81100800 CONDUIT ATTACHED TO STRUCTURE, 3" DIA., GALVANIZED STEEL
STATION / OFFSET TO STATION / OFFSET FOOT
1214+93.26 / RT 60.90' 1215+03.62 / 60.65' 12.0
TOTAL 12.0
- 81200230 CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC
STATION / OFFSET FOOT
1215+24.62 / RT (+/-) 60.38' 3.0
TOTAL 3.0
- 81702130 ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6
STATION / OFFSET TO STATION / OFFSET FOOT
1215+03.62 / RT 60.75' 1215+45.62 / 60.37' 150.0
TOTAL 150.0
- 89502300 REMOVE ELECTRIC CABLE FROM CONDUIT
STATION / OFFSET TO STATION / OFFSET FOOT
1215+19.34 / RT 60.49' 1215+45.62 / 60.37' 100.0
TOTAL 100.0
- 89502350 REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT
STATION / OFFSET TO STATION / OFFSET FOOT
REMOVE 1215+07.34 / RT 60.69' 1215+19.34 / 60.49' 24.0
REINSTALL 1214+93.26 / RT 60.90' 1215+03.62 / 60.75' 24.0
TOTAL 24.0
- X0323710 REMOVE CONDUIT ATTACHED TO STRUCTURE
STATION / OFFSET TO STATION / OFFSET FOOT
1215+07.34 / RT 60.69' 1215+21.89 / 60.38' 20.0
TOTAL 20.0
- 81300420 JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 10" X 8" X 6"
TOTAL = 2.0 EACH
- 81300530 JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"
TOTAL = 1.0 EACH



PLAN NOTES

PLAN NOTES - The following notes give a basic overview of how the electrical lighting circuit shall be relocated in order to replace the west abutment of bridge structure #010-0021 in Champaign. The Contractor shall be responsible for all details associated with this relocation process.

- 1) Set temporary wood pole according to Section 808 at the top of the bridge cone in a location approved by the Engineer, and remove it according to Section 841 of the Standard Specifications. Install the wood pole at the location illustrated in the temporary lighting detail.

Temporary wood pole shall have a 10 ft mast arm according to Section 808 which shall be a support arm for the horizontal run of temporary unit duct. The pole, mast arm, temporary unit duct, and other temporary materials shall remain the property of the Contractor and shall be removed from the site after the work is complete.

Remove stainless steel screen from the base of pole #11 and reinstall it after temporary unit duct is inserted. Install new stainless steel screen on pole #11 when temporary unit duct is removed. Keep screen tightly banded to the pole base to keep rodents out of the pole.

- 2) Insert temporary unit duct under the base of pole #11 and up into the pole handhole. From pole #11 it shall run over to the temporary wood pole. Temporary unit duct shall continue down the pole and then be trenched underground to the stainless steel junction box on the bridge abutment wall at approximate Sta 1215+04. Protect unit duct on the pole with galvanized steel "U" guard. Resplice cable as needed for temporary and permanent cabling. **SPLICING OF CABLE ONLY ALLOWED INSIDE OF POLE HANDHOLE OR JUNCTION BOX**
- 3) The temporary unit duct shall be the temporary circuit while conduit attached to structure is removed and the bridge abutment is being replaced. It shall be temporarily terminated in the stainless steel junction box at approximate Sta 1215+04.

The 2 circuits of unit duct running west from the stainless steel junction box at approximate Sta 1215+04 shall be pulled out of the existing 2" galvanized steel conduit and reinserted into new 3" galvanized steel conduit.

- 4) Install new conduit embedded in structure for the reconstructed bridge parapet wall. This work shall include any concrete removal around the existing embedded conduit in order to get new conduit spliced to the existing conduit.
- 5) Install new conduit attached to structure on the abutment to replace what is removed. Install flexible conduit at the top junction box to allow for bridge and conduit movement. Run new cable in conduit and remove the temporary unit duct. Reconnect pole #11 and remove the temporary wood pole.

ILLINOIS DEPARTMENT OF TRANSPORTATION
TEMPORARY LIGHTING DETAIL (CONTD.)
 F.A.I. ROUTE 74
 SECTION 10(5-1-RS-1,14-1(R)RS & 6RS-3)
 CHAMPAIGN COUNTY

SCALE: NO SCALE DRAWN BY: KB
 DATE: 02/09/05 CHECKED BY: