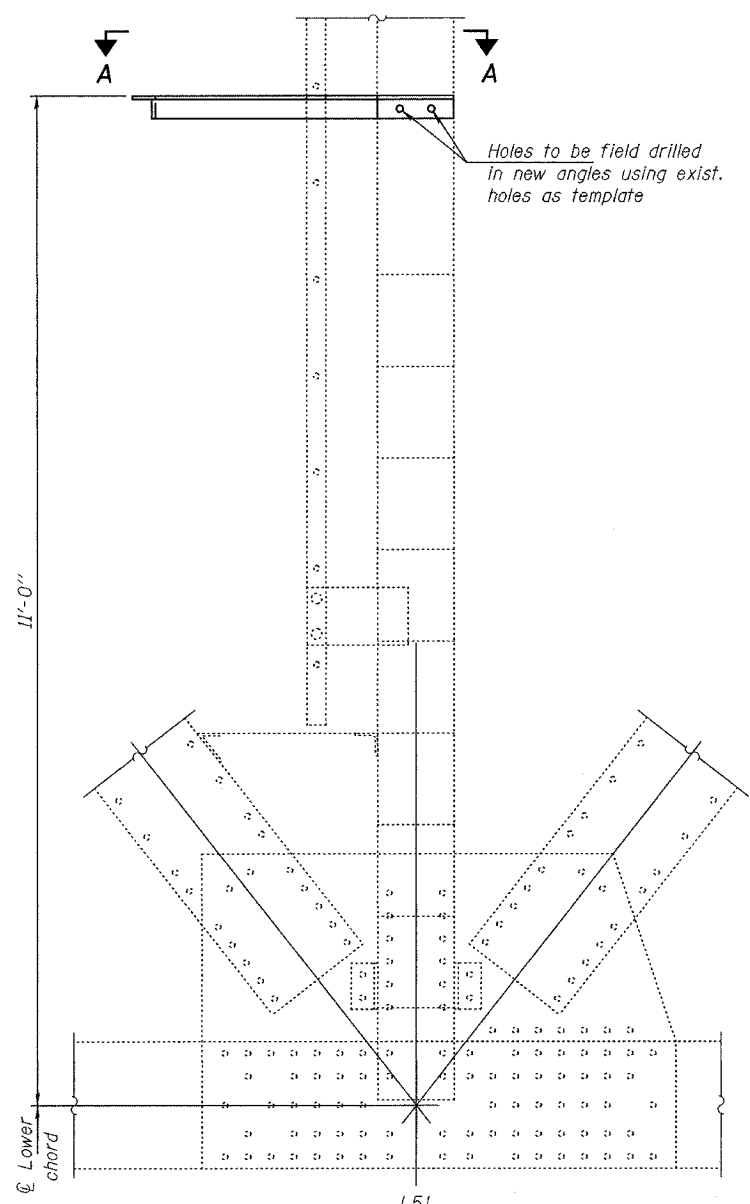
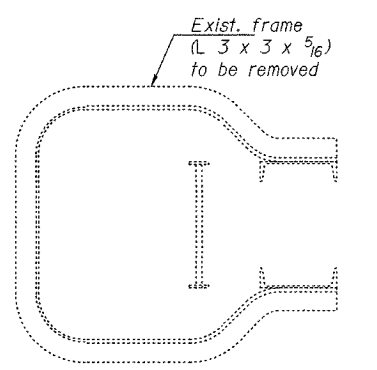


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

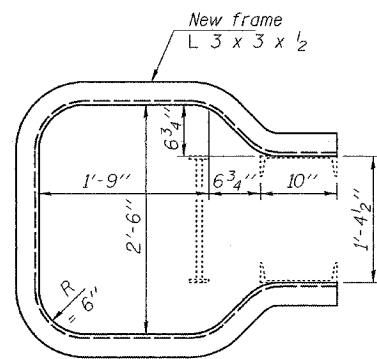
ROUTE NO. 944	SECTION *	COUNTY ALEXANDER	SHEET 14	SHEET NO. 11
FED. ROAD DIST. NO. 7				ILLINOIS
FED. AID PROJECT				13 SHEETS
* (138D-BR)I-5				Contract No. 98640



**REPAIR 10**  
**SAFETY LOOP ANGLE REPAIR**  
Typ. each truss

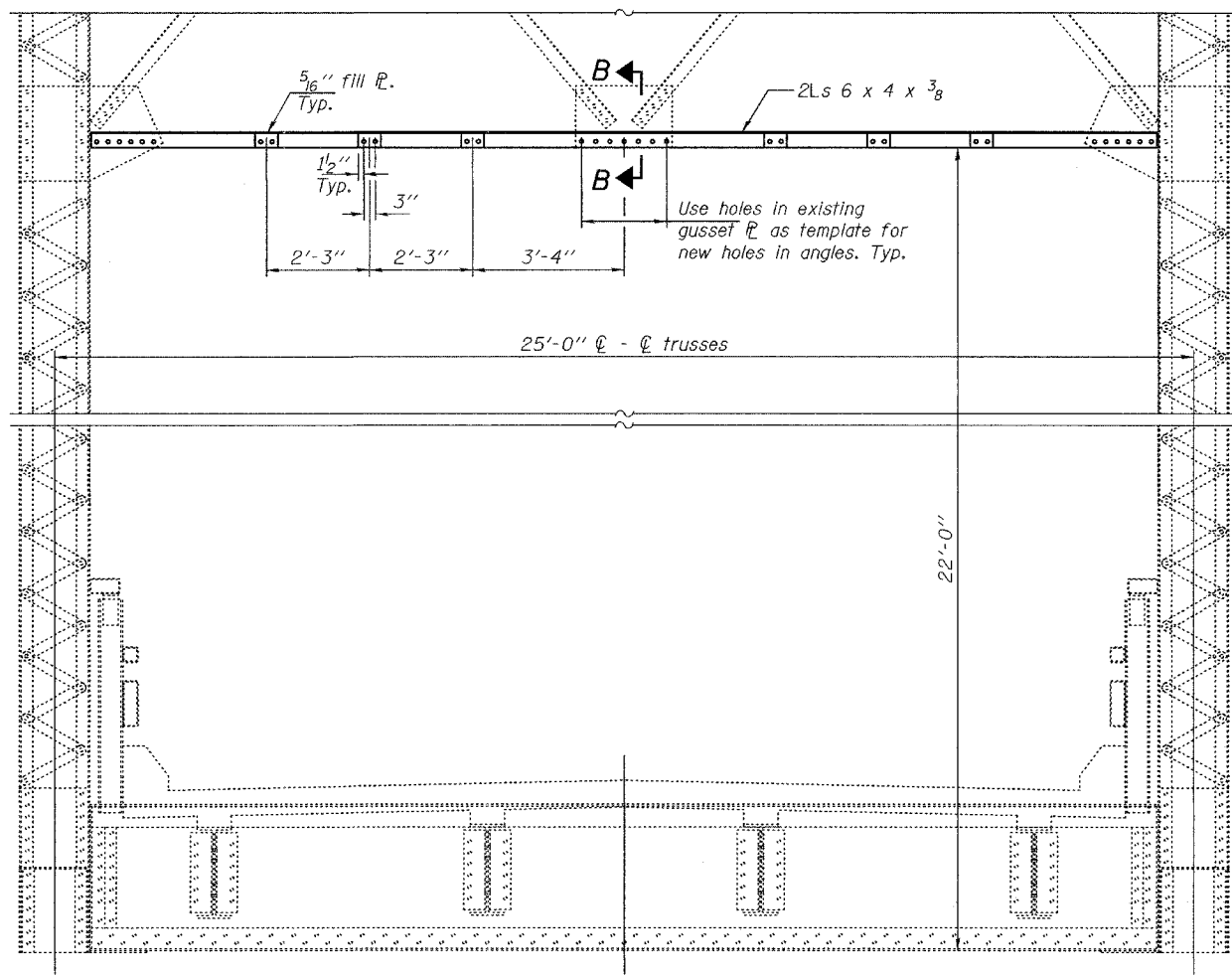


Existing

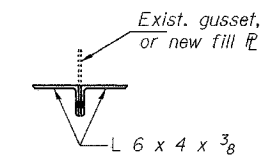


Proposed

**SECTION A-A**



**REPAIR 11**  
**CROSS SECTION**  
**STRUT REPAIR AT PANEL POINT 66**



**SECTION B-B**

**REPAIR 4**  
Broken/Missing rivets at the following locations shall be replaced with 3/4"φ HS bolts.  
Location/No. required:  
Stringer A-FB 5 connection angle/2  
West truss, floorbeam 8 conn. PL/14  
Stringer D-FB 48 connection angle/1  
East truss, floorbeam 51 conn. PL/8  
Cost included with Structural Steel Repair.

**REPAIR 5**  
The 2 missing bolts at the rail post connection, on the West truss, between panel points 5 & 6 shall be replaced with 1/2"φ x 6" round head bolts with locknuts and flat washers.  
Cost included with Structural Steel Repair.

**BRIDGE REPAIRS**  
**OLD CAIRO BRIDGE OVER MISSISSIPPI RIVER**  
**FAS RTE. 944 (US 60 & 62)**  
**SEC. (138D-BR)I-5**  
**ALEXANDER COUNTY**  
**SN 002-0005**

DESIGNED	DAB
CHECKED	JSB
DRAWN	ballva
CHECKED	DAB JSB

MARCH 14, 2005  
EXAMINED *John A. Morris*  
ENGINEER OF STRUCTURAL SERVICES  
PASSED *Ralph E. Anderson*  
ENGINEER OF BRIDGES AND STRUCTURES