

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. - SHEETS
F.A. 309 (U.S. 30)	(7B-1D) & 7BR	WHITESIDE, IL CLINTON, IA.		12	
FED. ROAD DIST. NO.	STATE AID PROJECT				

Contract 84841

**Notes:**

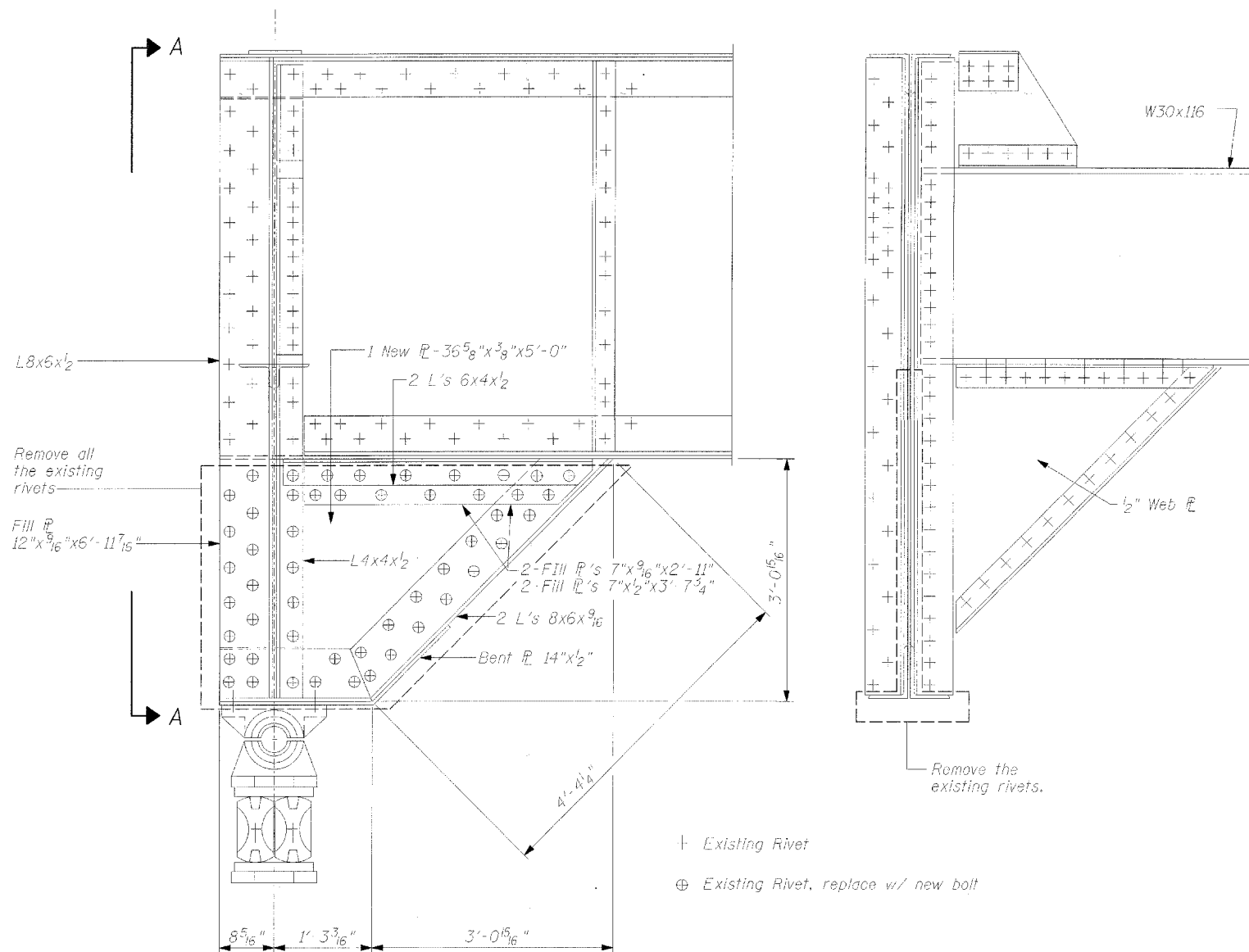
1. Field measure and verify the existing plate dimensions and rivet spacing under both girders.
2. Furnish new plates and pre drill bolt holes to match the existing.
3. Provide temporary support under both main girders of span 12 and at both ends of the floor beam over Pier W3. The reactions of the main girder and floor beam at Pier W3 are:

	Main Girder (Each)	Floor Beam
Dead Load	= 72.5 kip	21.1 kip
Live Load	= 84.6 kip	37.3 kip
Impact	= 21.7 kip	11.2 kip

4. Remove the existing rivets as shown on the plans.
5. Replace the existing web plates.
6. Use 7/8" diameter bolts for all connections.
7. Remove the temporary support system.
8. Structural steel shall be painted, see Painting Plans.

9. All costs associated with this work shall be included in the unit price bid for "Structural Steel Repair", except all the work associated with designing, providing, and removing the temporary support shall be included in the lump sum price for **Jacking and Cribbing**.

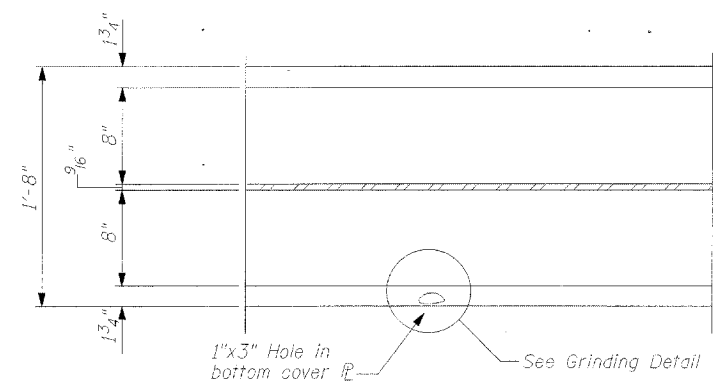
10. If the analysis submitted by the contractor for the jacking/temporary support system to be used shows temporary stiffeners are required to prevent web crippling or buckling, the stiffeners shall be steel and bolted to the web. If stiffeners are not required, hardwood timbers shall be installed tightly between the top and bottom flange to prevent flange rotation.



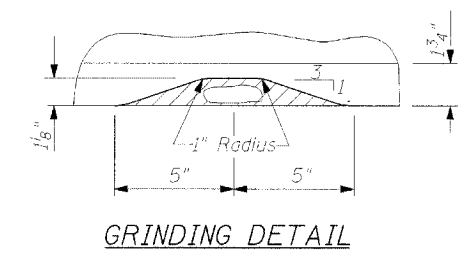
**ELEVATION OF GIRDER @ PIER W3**  
(ITEMS 19 & 20)

**SECTION A-A**

⊕ Existing Rivet  
⊕ Existing Rivet, replace w/ new bolt



**PLAN VIEW**  
**RUSTED THRU HOLE IN THE**  
**BOTTOM COVER PLATE OF**  
**GIRDER 2, SPAN 30**  
(ITEM 15)



**GRINDING DETAIL**

**Note:**  
Grind edge of bottom cover plate of the girder 2, at span 30 as shown on the detail to eliminate any sharp or sudden irregularities in the cover plate.  
Grinding shall provide a smooth profile as shown on the Plan.  
The exposed steel surface shall be painted per Painting Plans.  
All the cost associated with this work shall be included in the unit price bid for "Structural Steel Repair".

**REPLACEMENT OF BEARING PLATE**  
**OF GIRDERS 1 & 2 OF SPAN 12**  
**AT PIER W3**

CLINTON GATEWAY BRIDGE  
OVER MISSISSIPPI RIVER  
F.A. RTE. 309 (U.S. 30)  
SECTION (7B-1D) & 7BR  
WHITESIDE COUNTY  
STRUCTURE NUMBER 098-6003

CHAMPAIGN, ILLINOIS  
CHICAGO, ILLINOIS  
EVANSVILLE, INDIANA  
INDIANAPOLIS, INDIANA  
KENDISHA, WISCONSIN  
SPRING GREEN, WISCONSIN



REVISIONS		DRAWING NUMBER
NAME	DATE	
		S-7

DESIGNED BY: VM	PROJECT NO: 182289
DRAWN BY: MEW	DATE: 6/2/04
CHECKED BY: MM	
APPROVED BY: SCJ	
ACTIVITY: INITIALS	