

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO.
F.A. 309 (7B-1D) (U.S. 30) & 7BR		WHITESIDE, IL CLINTON, IA.		13	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT NO.			

Contract 84841

Notes:

- Field measure and verify the existing rivet spacing and access holes in the bottom cover plate for a length of 7'-0" on each side of the center line of the bridge.
- Fabricate and furnish a bottom cover plate (23"x3/8"x12'-11") to match the existing bottom cover plate. There are additional bolts on the new plate, see the repair plans.
- Fabricate and furnish two splice plates 23"x3/8"x2'-4 3/4".
- Provide temporary support for the main girders of approach span 15 to carry the reaction of the main girders at Tower A. The reaction of each beam is:

Dead Load = 170 kip
Live Load = 100 kip
Impact = 18 kip

- Furnish and install four L3/2x3/2x3/8 inside the strut, connecting the existing web stiffeners of the strut on opposite sides.

- Remove rivets from the existing bottom cover plate. See drawing.

- Cut and remove 12'-11" section of the bottom cover plate as shown on the repair plans. Do not cut bottom angles.

- Install the new bottom cover plate, field drill new holes for the additional bolts. Use 7/8" diameter bolts.

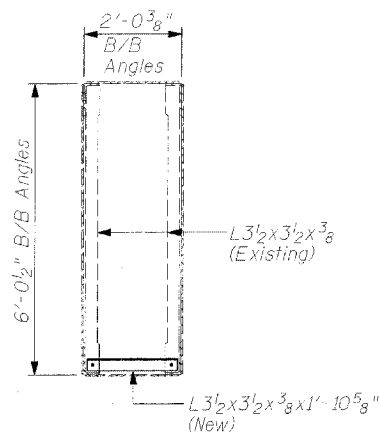
- Install two new splice plates.

- Remove the temporary supports of the approach girders.

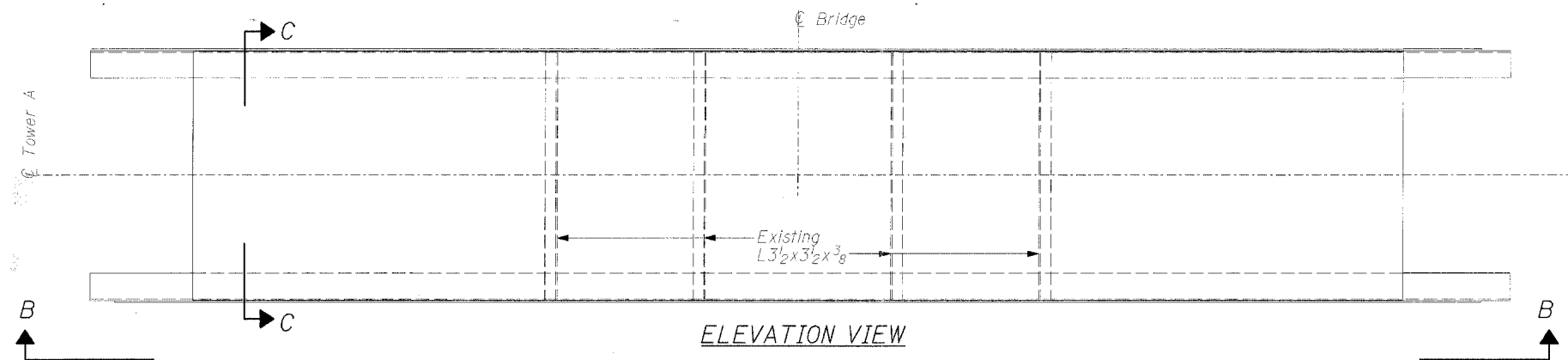
- Structural steel shall be painted, see Painting Plans.

- 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**.

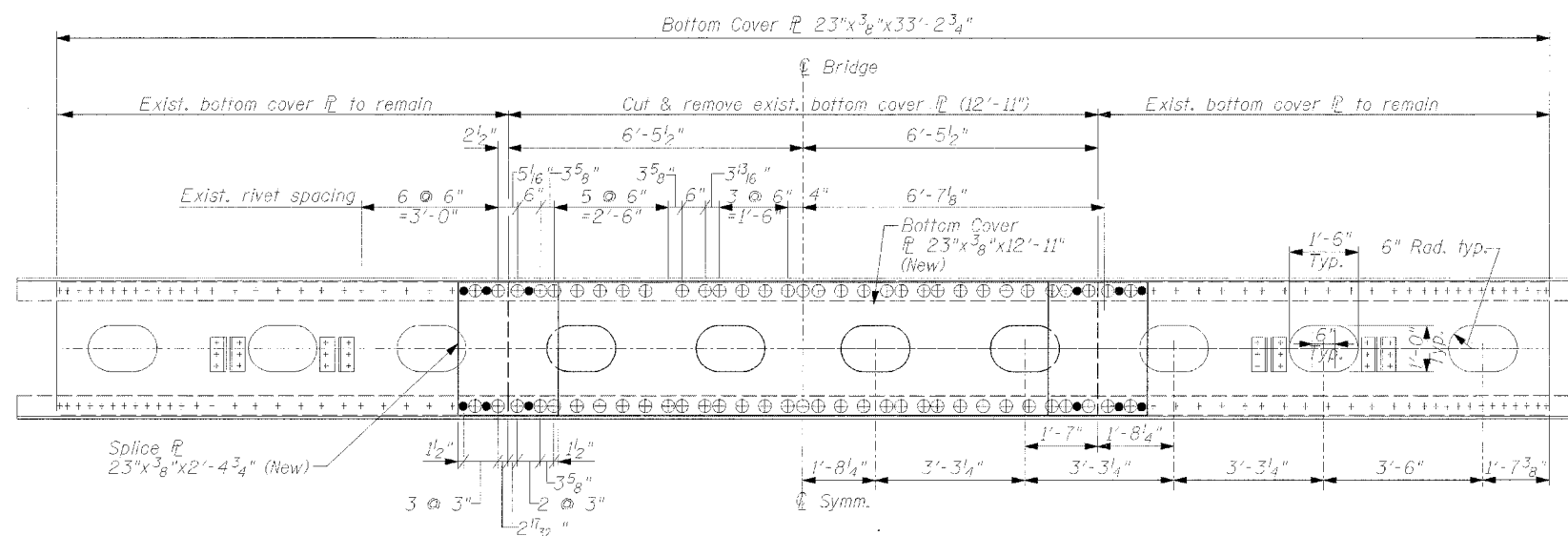
- If the analysis submitted by the contractor for the jacking/temporary support system to be used shows temporary stiffeners are required to prevent web crippling or buckling, the stiffeners shall be steel and bolted to the web. If stiffeners are not required, hardwood timbers shall be installed tightly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



SECTION C-C

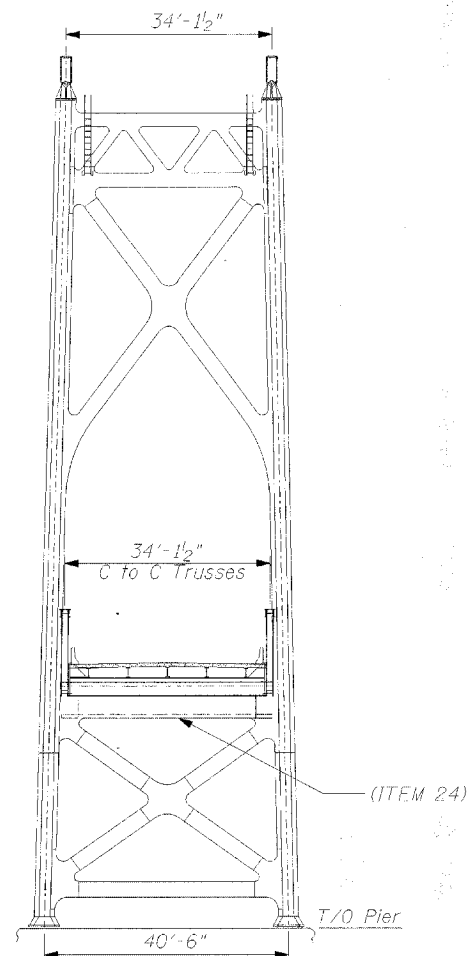


ELEVATION VIEW



SECTION B-B
(ITEM 24)

- + Existing Rivet
- Additional New Bolt
- ⊕ Existing Rivet, replace w/ new bolt



TOWER A

REPAIR OF MAIN STRUT OF TOWER "A"

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
KENOSHA, WISCONSIN
SPRING GREEN, WISCONSIN

Clark Dietz

REVISIONS		NOTE: DIMENSIONS, DATA IS NOT TO BE OBTAINED BY SCALING ANY PORTION OF THIS DRAWING.	DRAWING NUMBER
NAME	DATE		
		DESIGNED BY: MM PROJECT NO: 102289	S-8
		DRAWN BY: MEW DATE: 6/05	
		CHECKED BY: MM	
		APPROVED BY: INITIALS	
		ACTIVITY: INITIALS	