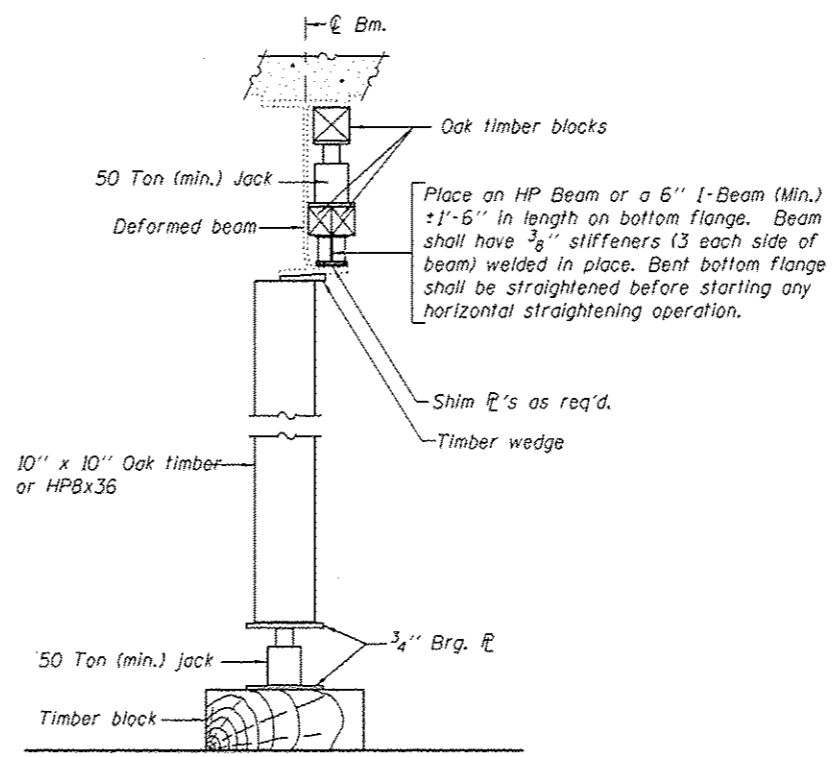
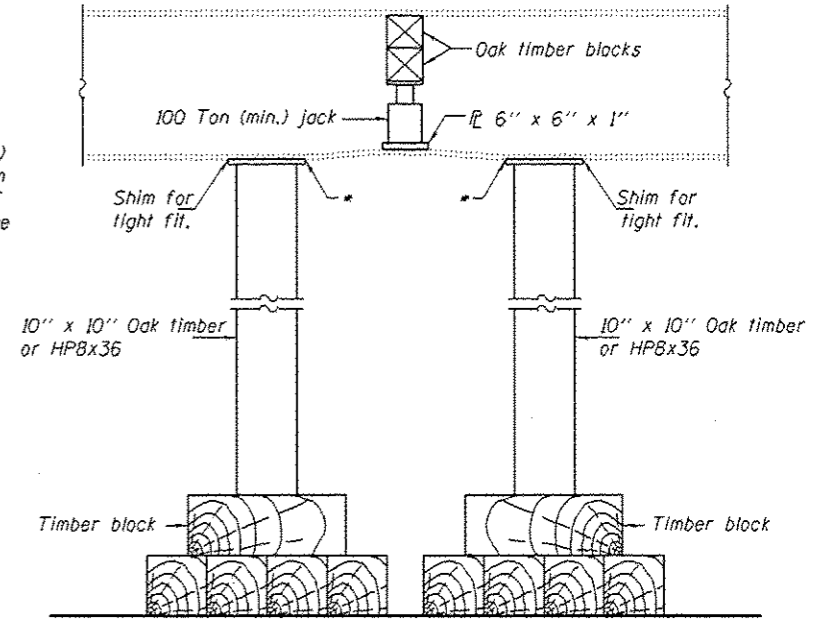


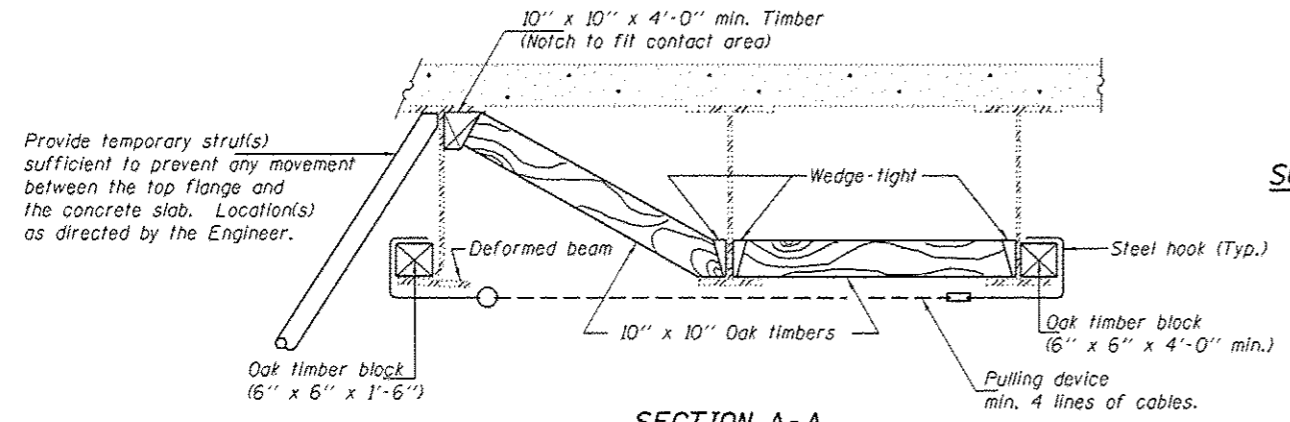
**PARTIAL PLANS**  
**SUGGESTED BEAM STRAIGHTENING METHODS**  
 Straightening force shall be maintained on all load transfer blocking during beam straightening.



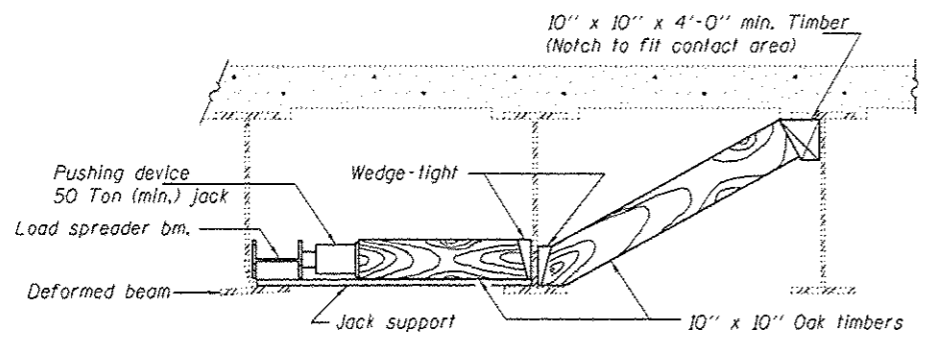
**SUGGESTED VERTICAL STRAIGHTENING DETAIL**  
 (To correct flange rotation.)



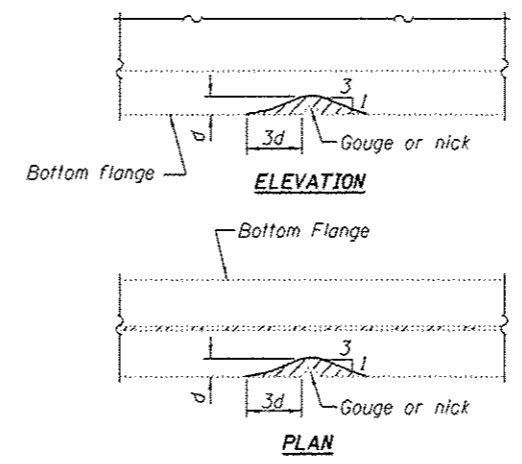
**SUGGESTED VERTICAL STRAIGHTENING DETAIL**  
 (To correct localized vertical flange deformations.)



**SECTION A-A**



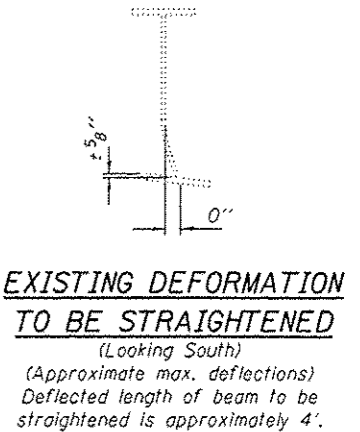
**SECTION B-B**



**GRINDING DETAIL**

Grind existing nicks, gouges and shallow cracks in the damaged beams as detailed. Ground surfaces shall be inspected for cracks using magnetic particle testing prior to initiating any beam straightening operations. Any cracks that cannot be removed by grinding approximately 1/4\"/>

Note:  
 Braces and jack assembly shall be placed on same side of web.  
 Bent bottom flange shall be straightened before starting any horizontal straightening operations.



**EXISTING DEFORMATION TO BE STRAIGHTENED**  
 (Looking South)  
 (Approximate max. deflections)  
 Deflected length of beam to be straightened is approximately 4'.

REP-11-14-2005

DESIGNED - DAB	EXAMINED - Timothy A. Daulton ACTING ENGINEER OF STRUCTURAL SERVICES	DATE - NOVEMBER 15, 2013	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		STRAIGHTENING DETAILS FOR GIRDERS 2 & 3 SN 016-2050		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - SMR	PASSED - [Signature]						VAR	2013-044BR	COOK	35	19
DRAWN - Kyle M. Steffan	ACTING ENGINEER OF BRIDGES AND STRUCTURES						CONTRACT NO. 60W94				
CHECKED - DAB SMR					SHEET NO. 2 OF 4 SHEETS		ILLINOIS FED. AID PROJECT				