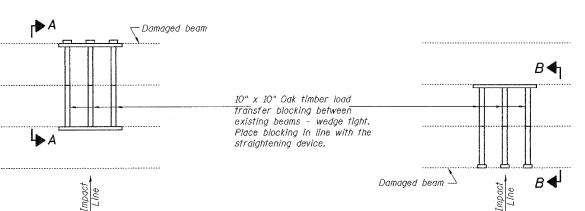
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION



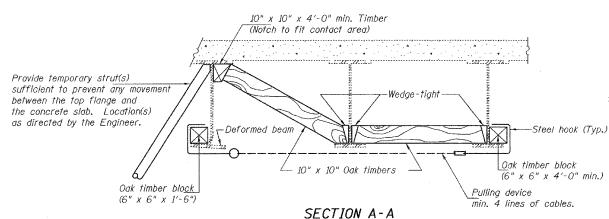
PULLING DEVICE

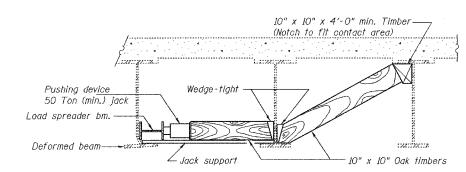
PARTIAL PLANS

SUGGESTED BEAM STRAIGHTENING METHODS

PUSHING DEVICE

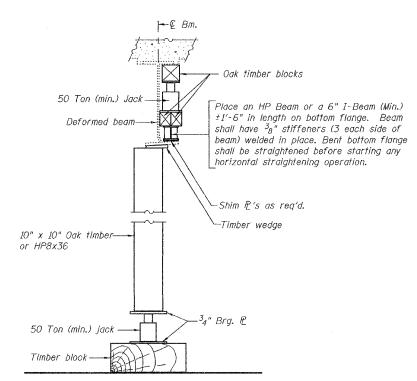
Straightening force shall be maintained on all load transfer blocking during beam straightening.





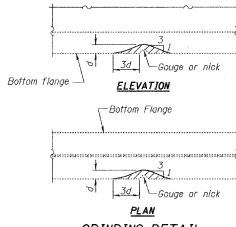
SECTION B-B

DECEMBER S. I.P.	February 28, 2007
DESIGNED S.J.B.	10010017 201 2007
CHECKED A.J.B.	EXAMINED & Carl Prayy
DRAWN Drew Christopher	PASSED Kalph E. andersa
CHECKED S.J.B. A.J.B.	enginéer of Bridges and Structures



SUGGESTED VERTICAL STRAIGHTENING DETAIL

(To correct flange rotation.)

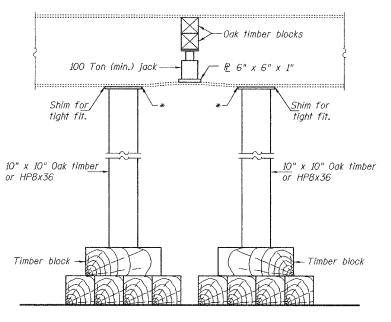


<u>GRINDING DETAIL</u>

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 '4' deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. Ground surfaces shall be spot cleaned and painted with an aluminum epoxy mastic primer followed by a finish coat to match the color of the existing beam. Cost of grinding, testing and spot painting included with Beam Straightening.

ROUTE NO.	SECTION	COUNTY		TOTAL	SHEET NO.	SHEET NO. 2
		Madison		4	4	2 SHEETS
PED. ROAD DIS	r. HQ. 7	B.I.INGIS FED. AID PROJECT-				

Contract Number: 76A40



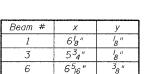
SUGGESTED VERTICAL STRAIGHTENING DETAIL

(To correct localized vertical flange deformations.)

* Edge of plate shall line up with edge of deformation.

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 ±10'-0".

BEAM STRAIGHTENING DETAILS

MERIDIAN ROAD

MADISON COUNTY

SN 060-0185

REP-1 1-14-2005