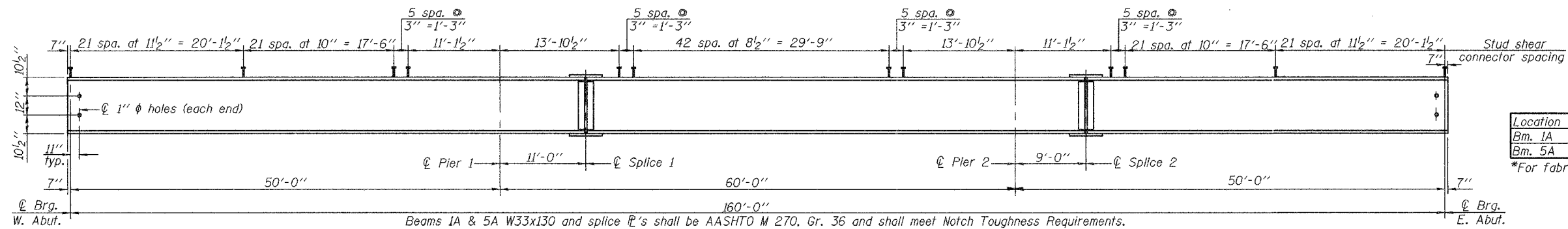


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 309	TVBR	WHITESIDE	146	69
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 9  
22 SHEETS

Contract #84883

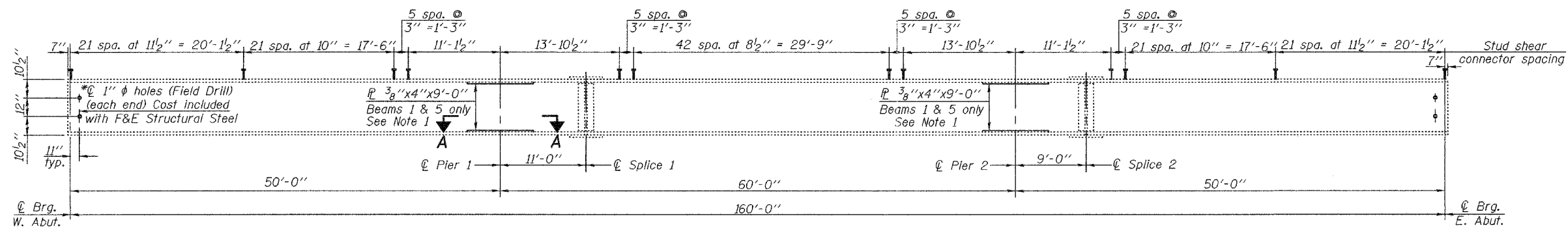


**\*TOP OF BEAM ELEVATION**

Location	W. Abut.	Pier 1	Splice 1	Pier 2	Splice 2	E. Abut.
Bm. IA	617.14	617.34	617.38	617.41	617.42	617.31
Bm. 5A	617.22	617.36	617.39	617.41	617.41	617.35

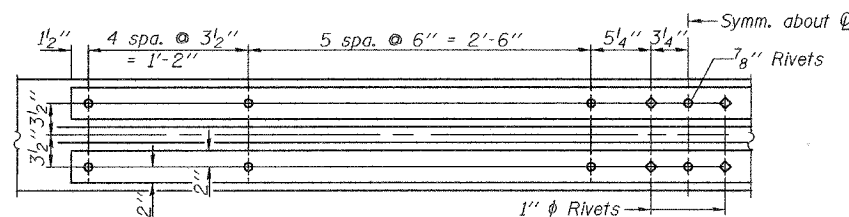
\*For fabrication only.

**ELEVATION**  
(Beams IA & 5A)



**ELEVATION**

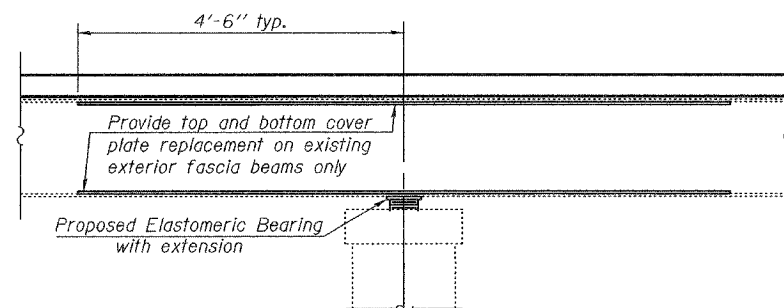
(Beams 1 thru 5 except as shown)



**VIEW A-A**

(No. Required = 16 P 3/8"x4"x9'-0")

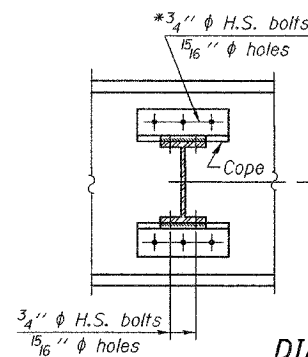
Note 1: The Contractor shall remove the existing rivets and existing P 3/8"x4"x9'-0" after the deck is removed. The Contractor shall then attach a new P 3/8"x4"x9'-0" using HS bolts of the same diameter. See View A-A. Cost is included in "Structural Steel Repair", Pound. See Special Provisions. 7/8"  $\phi$  bolts shall have 15/16"  $\phi$  holes in plate. 1"  $\phi$  bolts shall have 1 1/16"  $\phi$  holes in plate.



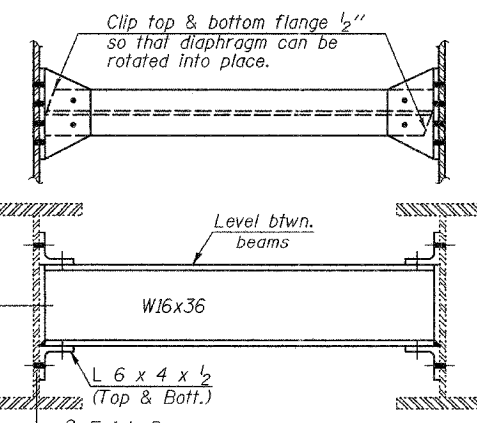
**SECTION AT PIERS 1 & 2**

DESIGNED Patrick M. Petrone
CHECKED Stephen M. Ryan
DRAWN R. Sommer
CHECKED P.M.P./S.M.R.

October 11, 2005  
EXAMINED Thomas J. Demagala  
PASSED Ralph E. Anderson  
ENGINEER OF BRIDGE DESIGN  
ENGINEER OF BRIDGES AND STRUCTURES

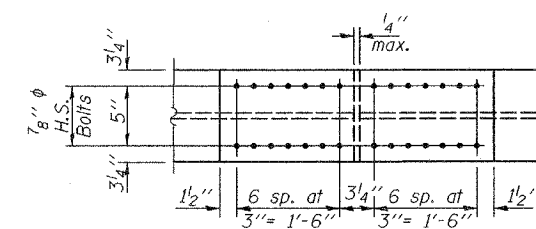


**DIAPHRAGM D2**  
(2 Required)



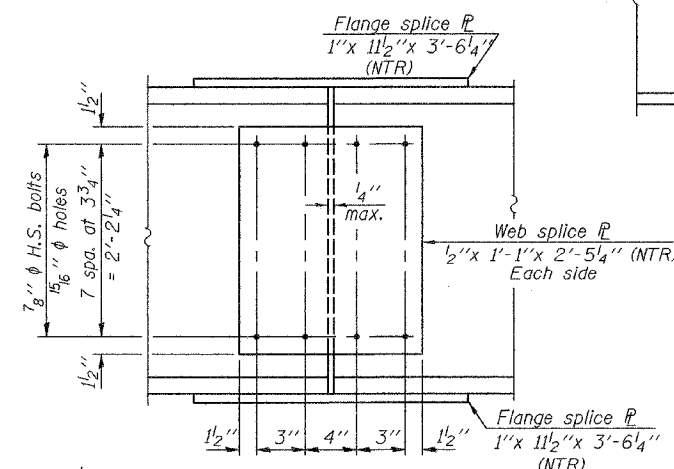
**DIAPHRAGM D1**  
(16 Required)

\*Use holes in vertical legs of L6x4x1/2 as template to field drill 15/16"  $\phi$  holes in existing web. Cost included with F&E Structural Steel.

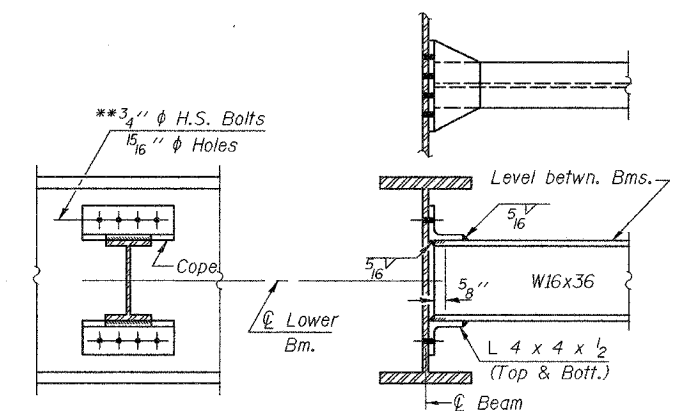


**PLAN-SPLICE 1 & 2**

(Top & Bott. flange)



**ELEVATION-SPLICES 1 & 2**  
(4 Required)



\*\*For locations where L6x4x1/2 is to be attached to existing W33x130, use holes in vertical leg of L4x4x1/2 as template to field drill 15/16"  $\phi$  holes in existing web of W33x130. Cost included with F&E Structural Steel.

**STRUCTURAL STEEL DETAILS**  
F.A.P. RT. 309 SEC. 7VBR  
WHITESIDE COUNTY  
STATION 47+18.53  
STRUCTURE No. 098-6001