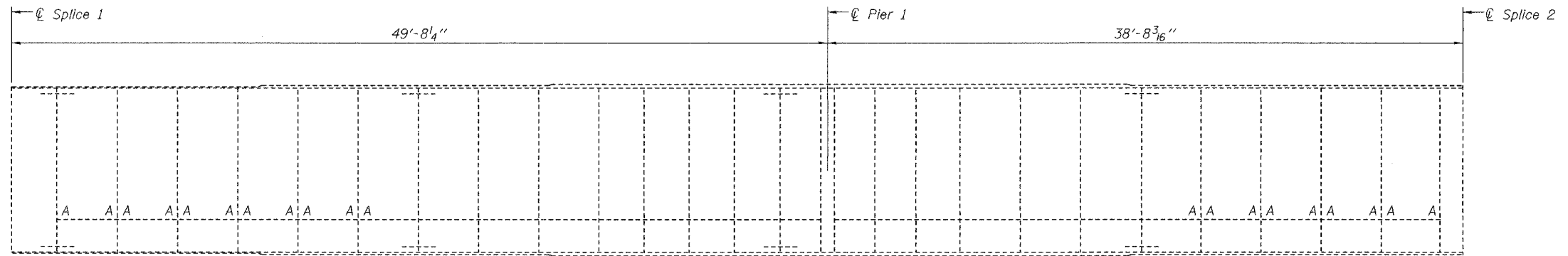


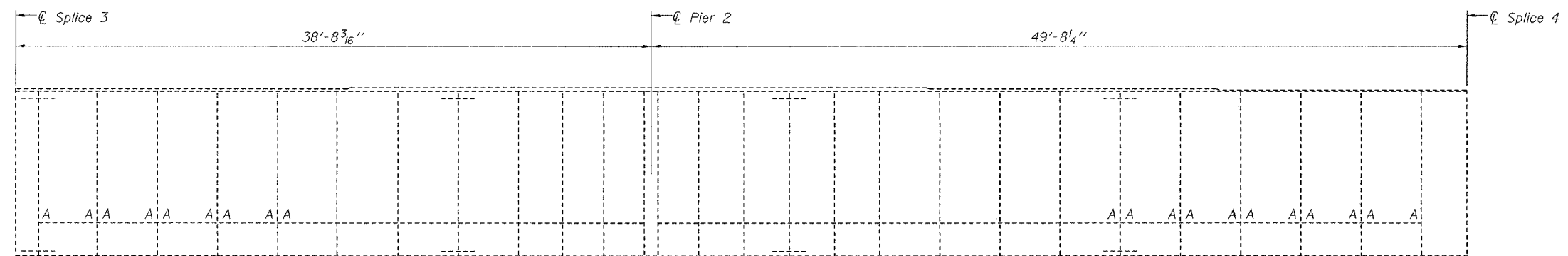
98846

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET	SHEET NO. 3 13 SHEETS
F.A.I. 57	(02-1B)I	ALEXANDER	7	17	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

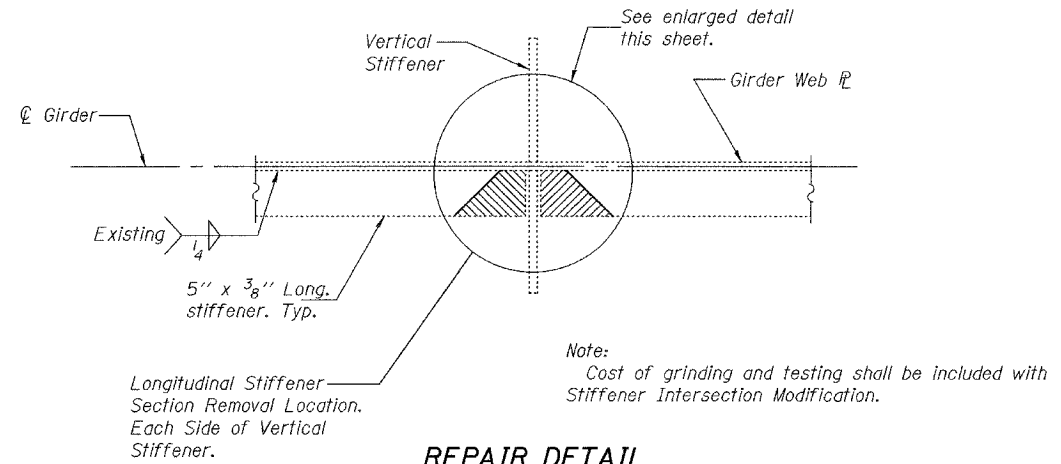


WEST GIRDER LOOKING WEST



WEST GIRDER LOOKING WEST

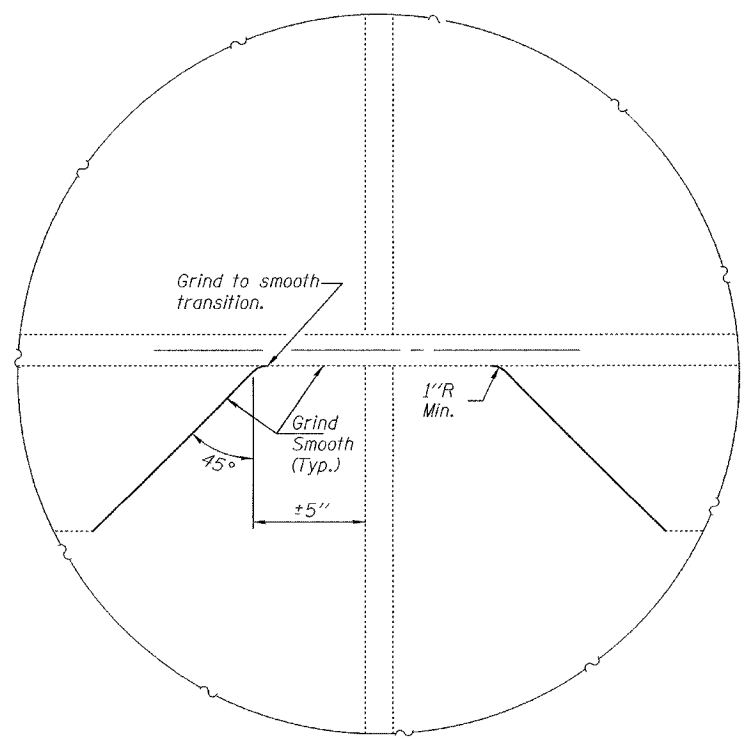
GIRDER INSIDE ELEVATION SHOWING LOCATIONS FOR REPAIR DETAIL A  
(Both structures)



REPAIR DETAIL

Hatched area indicates section removal.  
(Showing 2 Locations)

Note:  
Cost of grinding and testing shall be included with  
Stiffener Intersection Modification.



- Procedure for Repair Detail
1. Cut existing longitudinal stiffener  $\pm 5''$  from face of vertical stiffener and along web as shown, with a  $1''R$  (Min) at Web. Equipment and method of cutting shall be approved by the Engineer.
  2. Remove material between cut and web by grinding with carbide tools and a dye grinder and grind smooth at web surface to the satisfaction of the Engineer.
  3. Remove all burrs from cut end of stiffener. Cut surface shall be ground smooth to the satisfaction of the Engineer.
  4. The web surface at the modification shall be inspected using dye penetrant or magnetic particle (MT) methods. Any cracks found shall be identified and reported to the Bureau of Bridges and Structures for further disposition.
  5. The exposed steel surfaces shall be cleaned and painted using an aluminum epoxy mastic primer.

STIFFENER MODIFICATION DETAILS

I-57 OVER CACHE RIVER  
F.A.I. RTE. 57 - SEC. (02-1B)I  
ALEXANDER COUNTY  
STATION 943+72.00  
SN 002-0003 (NB) & 002-0004 (SB)

DESIGNED	JSB
CHECKED	VHV
DRAWN	baliva
CHECKED	JSB VHV

MARCH 8, 2004  
EXAMINED *John A. Morris*  
ENGINEER OF STRUCTURAL SERVICES  
PASSED  
ENGINEER OF BRIDGES AND STRUCTURES