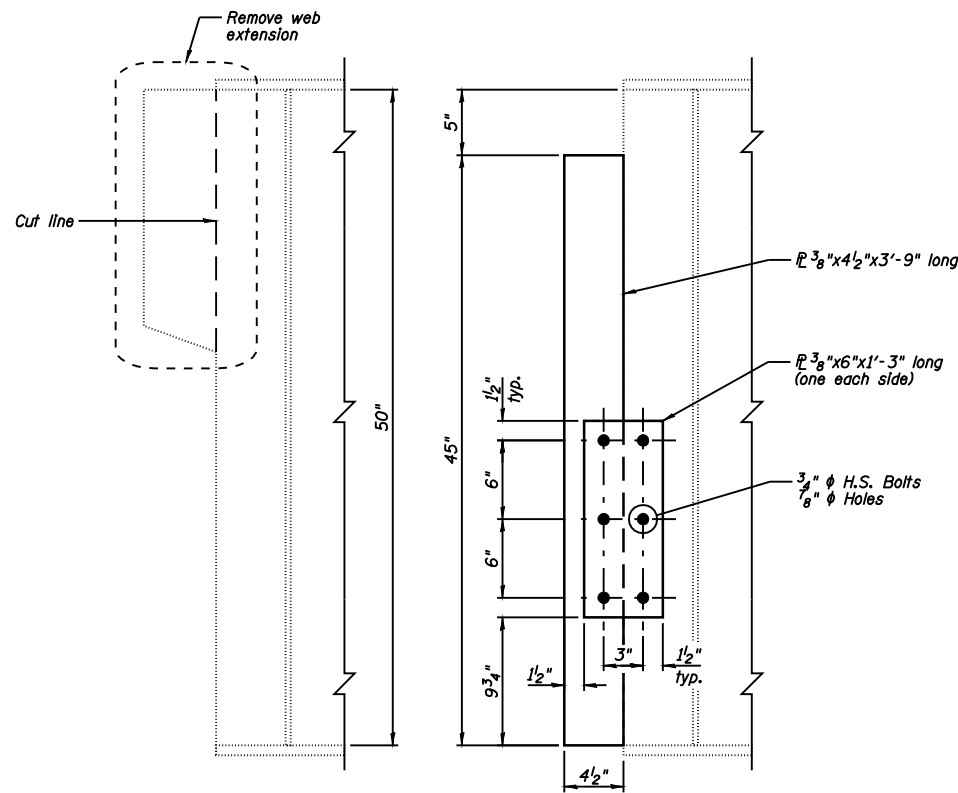
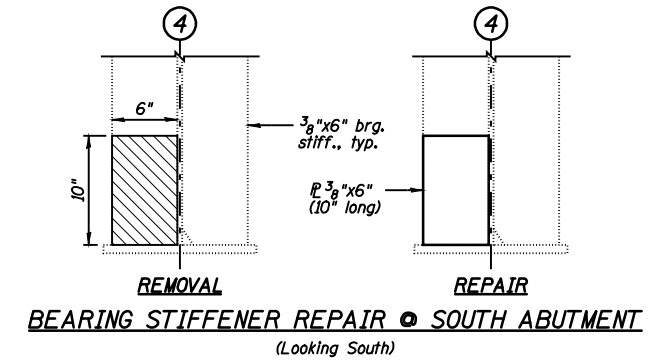
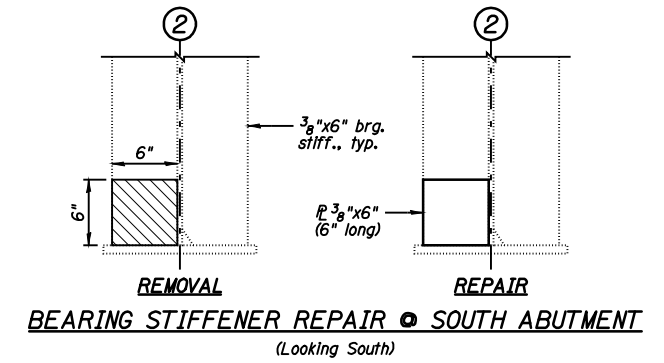
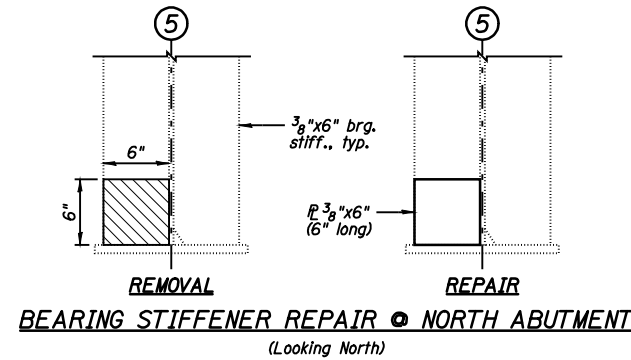
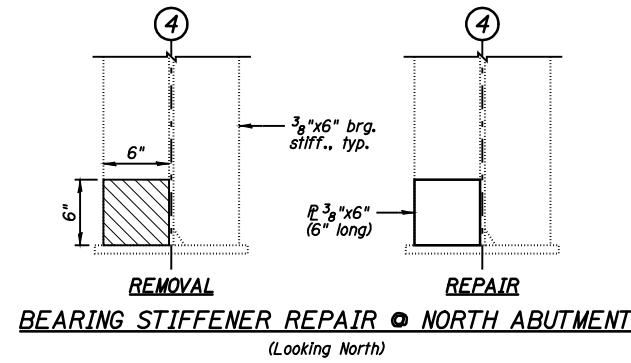
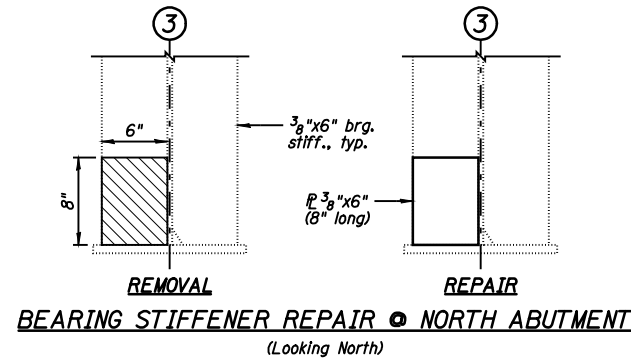
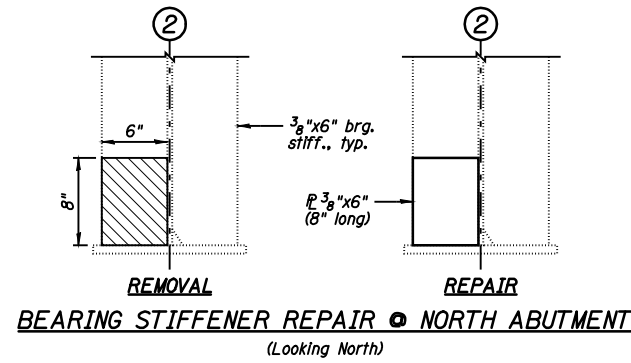


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DEPARTMENT OF TRANSPORTATION

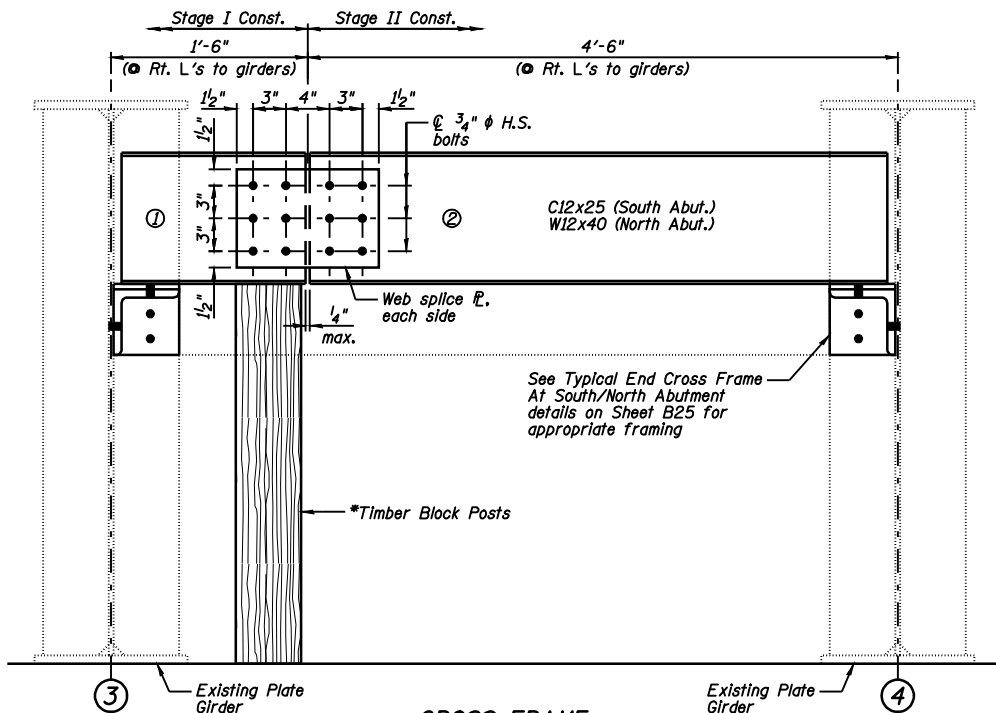
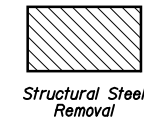


**WEB EXTENSION PLATE DETAIL**  
(8 - Required)



**NOTES:**

- 1.) All bearing stiffener replacement plate steel shall be M270 Grade 36.
- 2.) All existing structural steel in contact with the repair area shall be cleaned per Section 506 of the Standard Specifications.

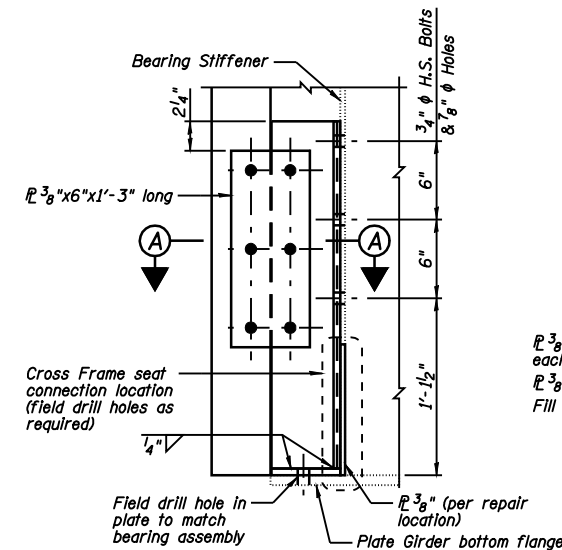


**CROSS FRAME**

\* Cost of Timber Block Posts are included with Erecting Structural Steel.

**CROSS FRAME STAGE CONSTRUCTION SEQUENCE**

- 1.) Order Cross Frame in two sections.
- 2.) Attach Section ① of Cross Frame to Girder 3.
- 3.) Place Timber Block Posts between Section ① of Cross Frame and Abutment Bearing Section.
- 4.) Attach Section ② of Cross Frame to both Girder 4 and Section ① of Cross Frame during Stage II Construction with splice plates.
- 5.) Remove Timber Block Posts.
- 6.) Install lower portion of Cross Frame during Stage II Construction.



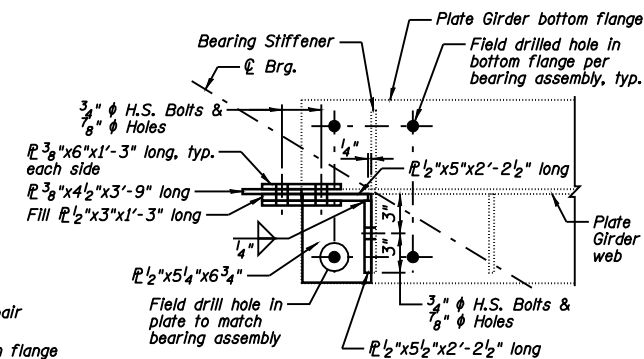
**EXISTING BEARING STIFFENER REPAIR DETAIL**  
(6 - Required)

**NOTES:**

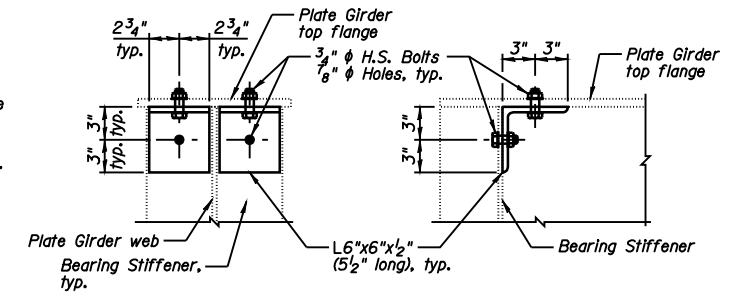
- 1.) See Web Extension Plate Detail for additional information.
- 2.) Grind corners as required to clear existing welds.
- 3.) All new structural steel shall be M270 Grade 36.
- 4.) All existing structural steel in contact with the repair area shall be cleaned per Section 506 of the Standard Specifications.
- 5.) All field drilling shall be done in accordance with Section 505 of the Standard Specifications.

**NOTE:**

See Sheet B23 for Web Extension Plate locations.



**SECTION A-A**



**EXISTING TOP FLANGE BEARING STIFFENER CONNECTION DETAILS**  
(16 - Required @ 8 locations)

**BILL OF MATERIAL**

Item	Unit	Total
Structural Steel Repair	Pound	490

**STRUCTURAL STEEL  
STRUCTURE NO. 084-0028**

DESIGNED	JML
CHECKED	MSW
DRAWN	DJM
CHECKED	MGO/MSW

DATE 03/05/09

FARNSWORTH GROUP, INC.

CONSULTING ENGINEERS - 2709 MCGRAW DRIVE BLOOMINGTON, ILLINOIS 61704 (309) 663-8435 / (309) 663-1571 FAX

SHEET NO. B26	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	55	(84-3HB-6)BR	SANGAMON	90	60
44 SHEETS	SN 084-0028		CONTRACT NO. 72A64		
FED. ROAD DIST. NO. 6 ILLINOIS FED. AID PROJECT					

24-8181