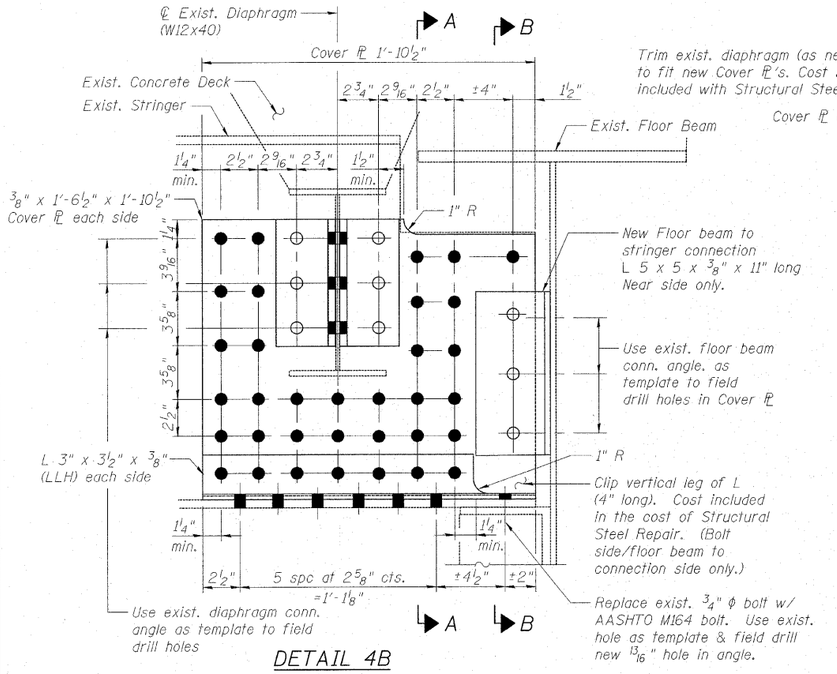
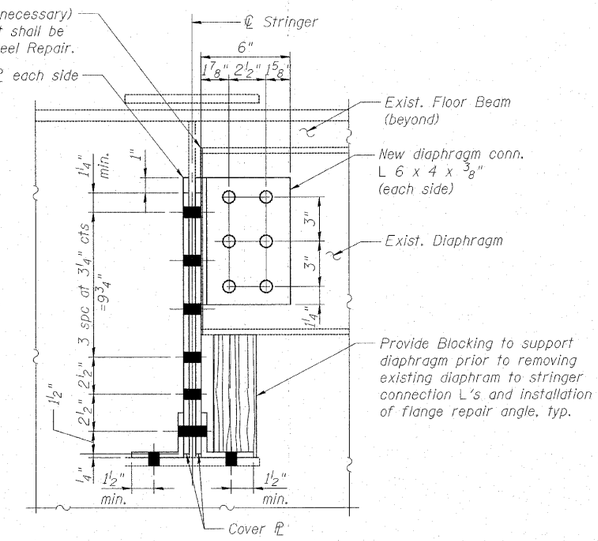
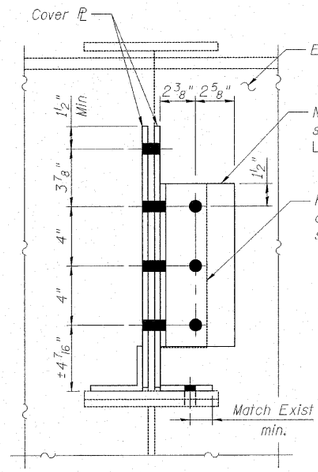


DETAIL 4B



SECTION A-A



SECTION B-B

LEGEND

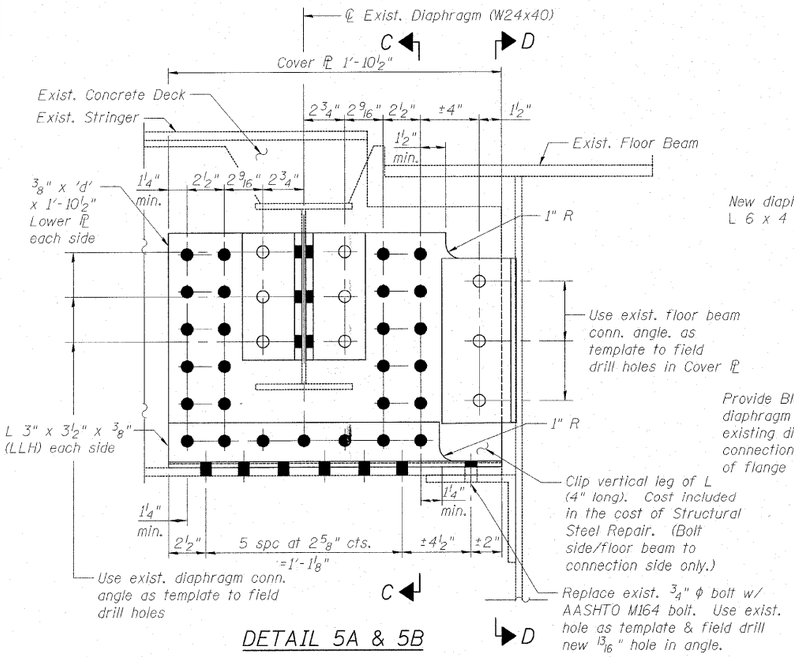
- ○ New bolt. Use exist. holes in Stringer as template for field drilling new holes.
- ● New bolt (field drill)

NOTES

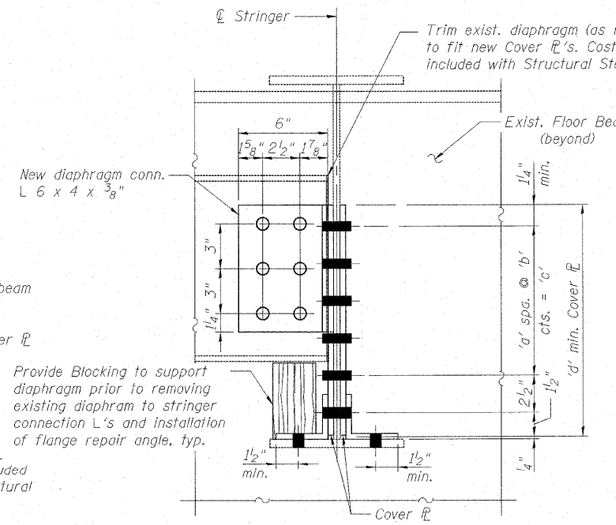
1. Fasteners shall be high strength bolts AASHTO M164/ASTM A325. Holes shall be 13/16" ϕ for ¾" ϕ bolts.
2. See Sheet S-3 and S-12 of S-35 for additional notes.
3. All cover ℙ and fill ℙ shall be ⅜" thick unless noted otherwise.
4. The repair plate and shape lengths shown are anticipated based on existing plan data. Longer repair plates and shapes may be required based on field conditions.
5. For additional requirements, See Special Provision for Structural Steel Repair and Structural Steel Removal

DETAIL 5 DIMENSIONS

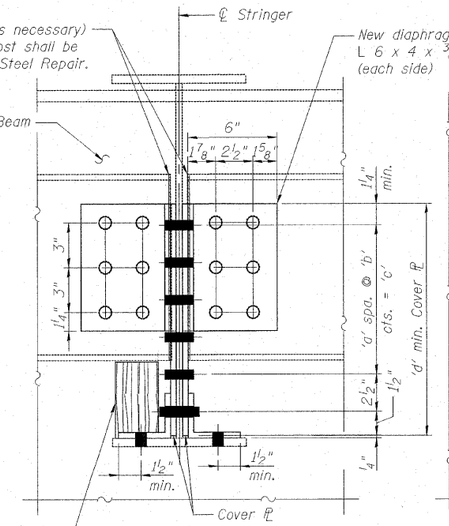
DETAIL NO.	DIMENSIONS			
	a	b	c	d
5A	4"	2½"	10"	±1'-3½"
5B	3"	3¼"	9¾"	±1'-3"



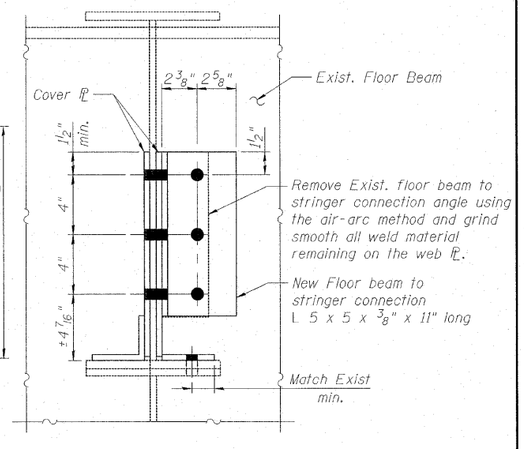
DETAIL 5A & 5B



SECTION C-C
At Detail 5A



SECTION C-C
At Detail 5B



SECTION D-D

USER NAME = lmueller	DESIGNED - DF	REVISED -	
PLOT SCALE = NTS	DRAWN - LAM	REVISED -	
PLOT DATE = 2/8/2011 6:00:46 PM	CHECKED - BLU	REVISED -	
	DATE - 1/20/2011	REVISED -	

HBP Illinois Partners

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STEEL REPAIR DETAILS 5
WESTBOUND FAI-80 OVER DES PLAINES RIVER
STRUCTURE NO. 099-0057
SHEET NO. S-17 OF S-35 SHEETS

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(4&4-1)RS-3	WILL	203	126
		CONTRACT NO. 60M66		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

S:\056B\05.CADD\CADD Sheets\0990057-60M66-GIT-DET3.dgn