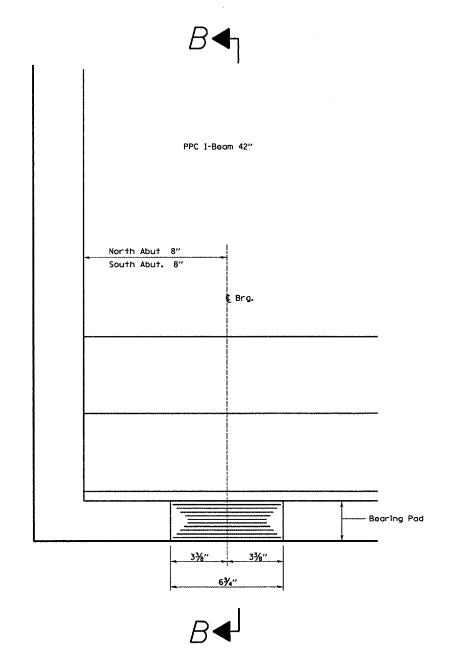


F.A.I. RTE.	SECTION		C	OUNTY	TOTAL SHEETS	SHEET NO.	
412	(50-58)		LASALLE		29	19	l
FED. RO	ILLINOIS		STATE A	ID PROJECT			



Remove and Replace Elastomeric Bearing Pad Remove Existing Bracket INside face & Exterior Beams Proposed Bracket Proposed Bracket PPC I Beam 42" Cut off existing anchor Drill 11/2" Ø hole bolt flush with concrete for 1" Ø Anchor Bolt and seal with approved 1'-25%'' 1'-25%" 1′-5%″ 1′-5%″

SECTION B-B

## ELEVATION AT ABUT.

## Reaction for Bearing Replacement

R OL = 37.5 klps R SDL = 7.3 klps R LL = 38.8 klps R Imp = 10.1 klps

Min jack size:  $1.5 \cdot (R DL + R SDL + 1/2(R LL + R Imp))/2$  in Tons

NOTE: The minimum jack size assumes no traffic over bearings being replaced plus a 50% safety factor for the Jack.

Sheet 1 OF 2

KEAIDIO		ILLINOIS DEPARTMENT OF TRANSPORTATION					
NAME	DATE	ICCHOIS DEPARTMENT OF TRANSPORTATION					
		BEARING REPLACEMENT DETAILS					
······································		F.A.I. 412 SOUTHBOUND					
·····		OVER C. & N.W. RAILROAD					
		SECTION (50–5B)I					
		STA, 1216 + 43.45					
		DRAWN BY RW					

DATE 04/24/2005

CHECKED BY