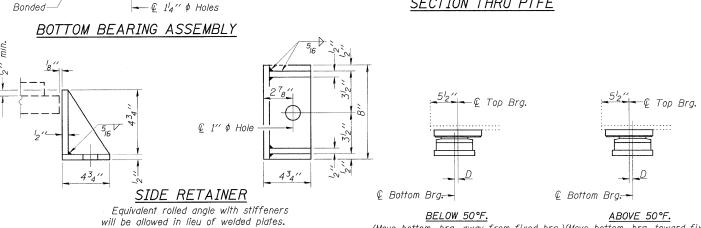


SECTION THRU PTFE



bottom flange.

ероху.

Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

Anchor bolts for Type II bearings shall be placed in holes drilled in the concrete through holes in the bottom bearing plate after members are in place. Side retainers shall be placed after bolts are installed.

Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.

Side retainers and other steel members required for the bearing assembly shall be included in the cost of Elastomeric Bearing Assembly, Type II.

The 18" PTFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMM-A-134, Type I. The bond agent shall be applied on the full area of the contact surfaces.

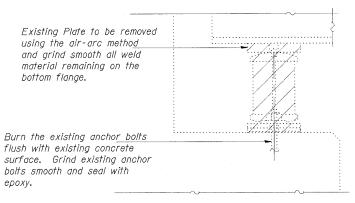
Bonding of 18" PTFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer. The minimum jack capacity required is 35 Tons.

Existing diaphragm removal and reinstallation may be required to facilitate drilling holes, cost to be included with "Jack and Remove Existing Bearings".

Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions. Two 18 in. adjusting shims shall be provided for each bearing

in addition to all other plates or shims and placed as shown on bearing details.

New steel extensions, connection bolts, Fill P's and Shim P's are included in "Furnishing and Erecting Structural Steel".



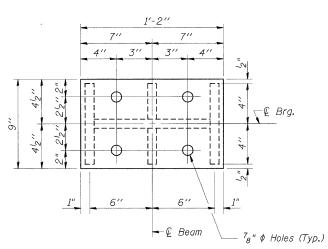
**ABUTS** 

## EXISTING BEARING REMOVAL DETAIL

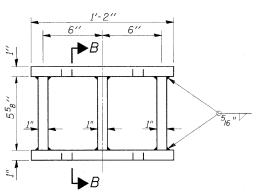
Cost is included with Jack and Remove Existing Bearings

## GIRDER REACTIONS

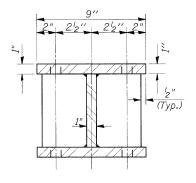
R₽	(K)	18.3
R4	(K)	36.4
Imp.	(K)	10.8
R (Total)	(K)	65.5



## PLAN-TOP & BOTTOM PLATE



STEEL EXTENSION DETAIL



SECTION B-B

## BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type II	Each	8
Anchor Bolts, 1"	Each	16
Jack and Remove Existing Bearings	Each	8
Furnishing and Erecting Structural Steel	Pound	1090

NORTH ABUTMENT BEARING DETAILS STRUCTURE NO. 041-0012 (N.B)

			change from the normal tem	p. of 50°F.
FILE NAME =	USER NAME =	DESIGNED - TWH	REVISED	
		CHECKED - MAS	REVISED -	
	PLOT SCALE =	DRAWN - TWH	REVISED -	D
	PLOT DATE =	CHECKED - MAS	REVISED -	

unlubricated

4- Layers of 38" Flastomer

Steel Plates

x 7" x 2'-134"

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

ABOVE 50°F.

(Move bottom. brg.  $\overline{away}$  from fixed brg.)(Move bottom. brg. toward fixed brg.)

SETTING ANCHOR BOLTS AT EXP. BRG.  $D=^{l}8$ " per each 100' of expansion for every 15° temp.

> **NORTH ABUTMENT BEARING DETAILS** SHEET NO. 8 OF 11 SHEETS

COUNTY TOTAL SHEE SHEETS NO. SECTION JEFFERSON 422 151 57 (41-2-1,41-3,41-3-1)R-1 CONTRACT NO. 78172