

'₄'' Max.

\*'g" PTFE dimpled,

unlubricated

Layers of 38"

Flastomer

-4 - 3<sub>32</sub> '' Steel Plates

1" x 1'-0" x 1'-1014'

- '<sub>l6</sub>'' Stainless Steel

ℓ 1 ′ 4 ″ Φ Hole

SIDE RETAINER

will be allowed in lieu of welded plates.

Equivalent rolled angle with stiffeners

Span 1 or 3

TOP BEARING ASSEMBLY

BOTTOM BEARING ASSEMBLY

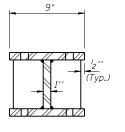


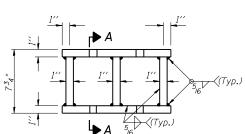
### T" DIMENSIONS

Beam / Location	1	2	3	4	5	6
W. Abutment				38"	12"	58
E. Abutment						

# $\Theta$

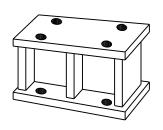
## PLAN STEEL EXTENSION





#### SECTION A-A

# **ELEVATION** STEEL EXTENSION



Note: Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions.

# **FABRICATED** STEEL EXTENSION

#### Notes:

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 at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.

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 elastomeric 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

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.

# BILL OF MATERIAL

Existing Plate to be removed

using the air-arc method

and grind smooth all weld

material remaining on the

bottom flange.

Item	Unit	Total
Elastomeric Bearing Assembly Type II	Each	12
Jack and Remove Existing Bearings	Each	12
Anchor Bolts, 1"	Each	48
Furnishing and Erecting Structural Steel	Pound	1,530

INTERIOR GIRDER REACTION TABLE

West Abutment

35.6

70.1

(k)

(k)

(k)

Minimum Jack Size = 40 Tons

East Abutment

14.9

7.0

35.1

66.9

9.9

© Top Brg.  © Bott. Brg.	Top Brg.  Bott. Brg.
<u>BELOW 50°F.</u> (Move bott. brg. away from fixed brg.)	ABOVE 50°F. (Move bott. brg. toward fixed brg.)

PLAN-PTFE SURFACE

<u>`</u>\_3⁄″₽

SECTION THRU PTFE

18" PTFE with dimpled,

unlubricated surface

# SETTING ANCHOR BOLTS AT EXP. BRG.

 $D=\frac{1}{8}$ " per each 100' of expansion for every 15° temp. change from the normal temp. of 50°F.

FILE NAME =	USER NAME =	DESIGNED - JMS	REVISED -		BEARING DETAILS	F.A.U. SECTION COUNTY	TOTAL SHEET
		CHECKED - JMH	REVISED -	STATE OF ILLINOIS		290 22-3HB-I DuPAGE	37 29
	PLOT SCALE =	DELANTINENT OF THANGI ON A TON	STRUCTURE NO. 022-0090	CONTRACT NO. 60M97			
	DI OT DATE -	CHECKED - IMI	DEVISED -		SHEET NO SIA OF SIE SHEETS	THE THOSE FER AND DROUGET	