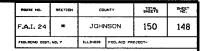
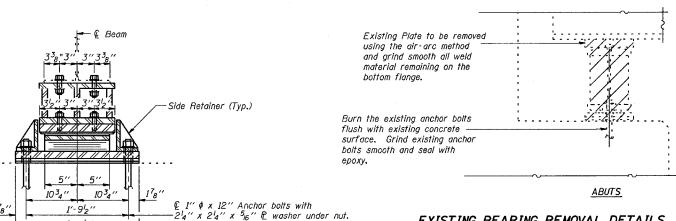
## STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION





\* BSMART FY 24-3 98836



1½" \$ Holes in bottom ₽.

# EXISTING BEARING REMOVAL DETAILS

Cost is included with Jack and Remove Existing Bearings

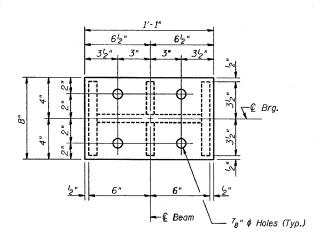
Notes: Diaphram removal and replacement may be required to facilitate drilling holes. Cost shall be included in the cost of Furnishing and Erecting Sturctural Steel.

New steel extensions, side retainers, shim ₽'s, connection bolts and anchor bolts are included in Furnishing and Erecting Structural Steel.

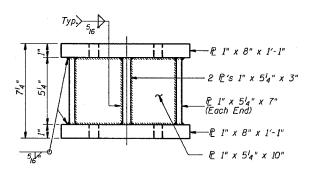
See Sheet 150 for Anchor Bolt installation.

Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions. The minimum jack capacity required is 30 Tons.

GIRDER REACTIONS



## PLAN-TOP & BOTTOM PLATE



STEEL EXTENSION AT WEST ABUT.

# TYPE II TFE ELASTOMERIC EXP. BRG.

Field drill 78" \$\phi\$ holes in

existing flange for 34" \$\phi\$

H.S. Bolts. Cost included

with F & E Steel

Steel

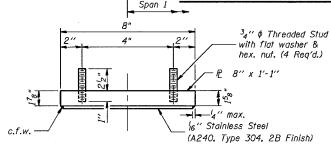
Extension

Bearing

'8" Reinforced elastomeric

neoprene mat. Cost included

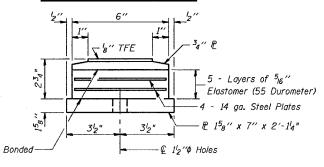
Assembly



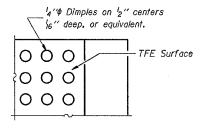
ELEVATION AT W. ABUT.

#### TOP BEARING ASSEMBLY

€ 34" \$ Studs

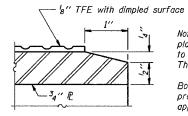


BOTTOM BEARING ASSEMBLY



#### PLAN-TFE SURFACE

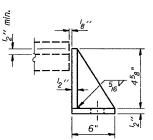
SECTION A-A



Note: The 1/8" TFE 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 'B" TFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is

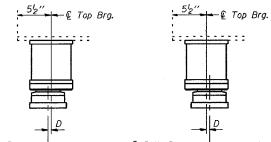
# SECTION THRU TFE



8"	5,6
5/6 6	© 1'4' \$\phi\$ Hole \( \begin{array}{cccccccccccccccccccccccccccccccccccc

# SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.



@ Bott. Brg. -€ Bott. Brg. -BELOW 50°F. ABOVE 50°F. (Move bott. brg. away from fixed brg.) (Move bott. brg. toward fixed brg.)

## SETTING ANCHOR BOLTS AT EXP. BRG.

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

## BILL OF MATERIAL

١	<u>Item</u>	Unit	Total
	Elastomeric Bearing Assembly Type II	Each	6
	Jack and Remove Existing Bearings	Each	6

WEST ABUTMENT TYPE II ELASTOMERIC BEARING JOHNSON COUNTY S.N. 044-0049 (E.B.)

**JMB** RAWN: MAS CHECKED:

DESIGNED:

CHECKED:

MAS

MAS