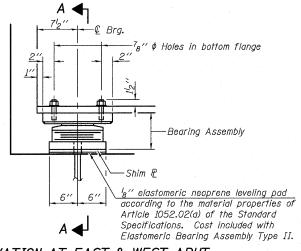
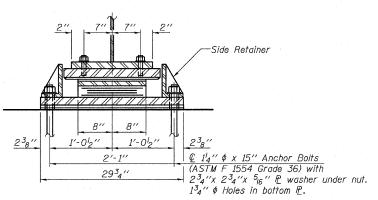
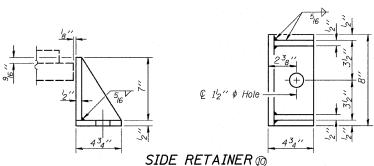
# STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION



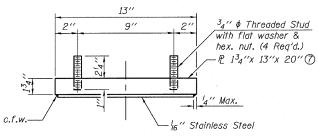




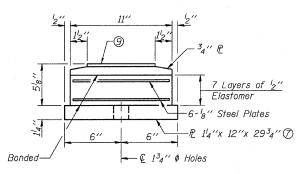
## ELEVATION AT EAST & WEST ABUT.

SECTION A-A

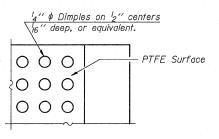
## TYPE II ELASTOMERIC EXP. BRG.



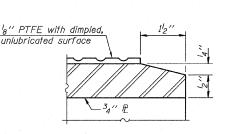
## TOP BEARING ASSEMBLY



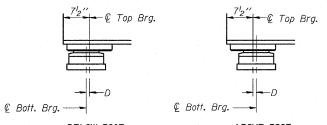
**BOTTOM BEARING ASSEMBLY** 



PLAN-PTFE SURFACE



SECTION THRU PTFE



<u>BELOW 50°F.</u>
(Move bott. brg. away from fixed brg.) (Move bott. brg. toward fixed brg.)

## SETTING ANCHOR BOLTS AT EXP. BRG.

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

#### BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type II	Each	12
Anchor Bolts, 1 <sup>1</sup> 4"	Each	24

Notes:

- (1) Anchor bolts shall be ASTM F 1554 all-thread or an Engineer-approved alternate material of the grades and diameters specified. ASTM A 307 Grade C anchor bolts may be used in lieu of ASTM F 1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M 314 anchor bolts may be used in lieu of ASTM F 1554.
- 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.
- ③ 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.
- (5) The 'a'' 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.
- 6 Bonding of \( \begin{align\*} g'' \) PTFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.
- The structural steel plates of the Bearing Assembly shall conform to the requirements of AASHTO M 270 Grade 50.
- (8) Two <sup>1</sup><sub>8</sub> In. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.
- 9 '8" PTFE dimpled, unlubricated.
- (i) Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.

## <u>BEARING DETAILS</u> STRUCTURE NO. 026-0105

CHECKED DGL

	SHEET NO. 21	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0()221 1101 42	752	(U-2BR1)B-1	FAYETTE	71	43
	38 SHEETS CONTRACT				NO. 74235	
FED. ROAD DIST. NO. 7   ILLINOIS   FED. AID PROJECT						
		Eastport Business Center 1 100 Lanter Court, Suite 1 Collinsville, Illinois 62234		DESIGNED JAD		
				checked DGL		
			618-345-2200	DRAWN	ΙΔΩ	,

Design Firm License No. 184.001115

OATES ASSOCIATES