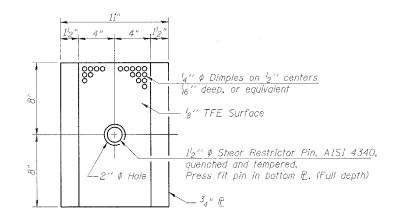
Note: Existing Top Plate to be removed. -Existing Girder ⁷₈ " ♦ Holes in Bott. Flange in Bott. Flange of Existing Girder (Field Drill) Side Retainer (Typ.) -Bearing Assembly 'g'' elastomeric neoprene leveling pad according to Article 1052.02 of the Standard Specifications Cost included with Elastomeric Bearing Assembly Type III.

ELEVATION AT PIER 3

TYPE III ELASTOMERIC EXP. BRG.

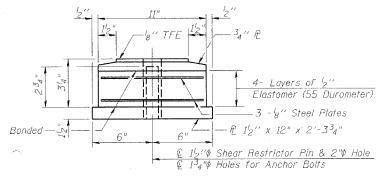


PLAN-TFE ELASTOMERIC BRG.

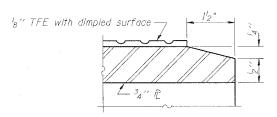
SECTION A-A

³₄′′ ¢ Threaded Stud with flat washer & hex. nut. (4-Regd.) R 25" x 135" x 1'-6" '' Stainless Steel (A240, Type 304, 2B Finish)

TOP BEARING ASSEMBLY



BOTTOM BEARING ASSEMBLY



SECTION THRU TFE

The 18" 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 18" TFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.

_						
SHEET NO. I	SHEET NO.	TOTAL SHEETS	COUNTY		SECTION	ROUTE NO.
25 SHEETS	144	261	AMON	SANG	BR-1	7978
7		DJECT-	FED. AID PS	ILLINOIS	. NO.	FEO. ROAD DIST

Contract #72449

€ 1½"¢ Hole SIDE RETAINER

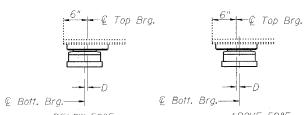
> Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates. Weight included with Structural Steel.

Shim Plate	Thic	kness	s "†" i	(in.)	
Girder #	1	2	3	4	5
Pier 3 (Unit 1)	-	-	58	1/8	-

 * In addition to shims listed on the table, provide one l_4 " shim, one 18" shim, and one 16" shim for height adjustment. Weight included with Structural Steel.

JACKING EXISTING SUPERSTRUCTURE

- 1. All Unit I Girders at Pier 3 shall be lifted simultaneously $\frac{3}{4}$ " to replace existing bearings. Care shall be taken such that the relative elevation between adjacent girders does not vary by more than ${}^{l}\!_{4}$ " from their original relative elevations.
- 2. The maximum dead load reaction with deck removed on Span 3 is 22 kips per bearing.
- 3. The minimum jack capacity shall be 17 tons.
- 4. See Sheet 2 of 25 for Temporary Support Requirements.



BELOW 50°F. (Move bott. brg. away from fixed brg.)

(Move bott, brg. toward fixed brg.)

SETTING ANCHOR BOLTS AT PIER 3

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

NOTES:

See sheet 24 of 25 for Anchor Bolt installation.

Cost of Field Drilling Holes in Existing Beams included in cost of Furnishing and Erecting Structural Steel.

For Existing Bearing Removal See Sheet 17 of 25.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Elastomeric Bearing Assembly Type III	Each	5
Jack and Remove Existing Bearings	Each	5

ILLINOIS DEPARTMENT OF TRANSPORTATION

PIER 3 UNIT I BEARING DETAILS OLD U.S. ROUTE 36 OVER SANGAMON RIVER F.A.U. ROUTE 7978 SECTION BR-1 SANGAMON COUNTY STA. 70+00.00 STRUCTURE NUMBER 084-0052

DRAWN BY: NJV CHECKED BY: PBB