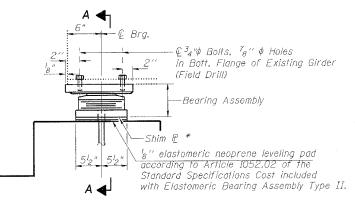
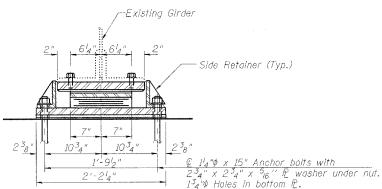
TOTAL SHEETS SHEET NO. ROUTE NO. COUNTY SHEET NO. 18 261 143 25 **SHEETS** 7978 BR-1 SANGAMON

Contract #72449

Note: Existing Top Plate to be removed.

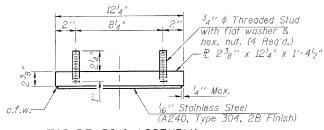




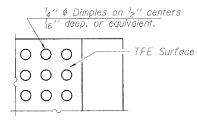
ELEVATION AT PIER 3

SECTION A-A

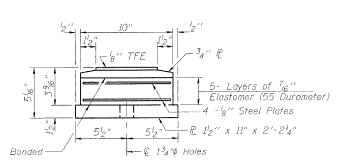
TYPE II ELASTOMERIC EXP. BRG.



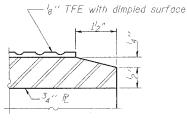
TOP BEARING ASSEMBLY



PLAN-TFE SURFACE

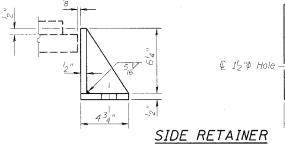


BOTTOM BEARING ASSEMBLY



SECTION THRU TFE

The $^{l}g''$ 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.



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

NOTES:

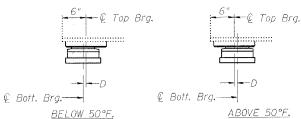
Structural Steel.

Shim	Shim Plate Thickness "t" (in.)					
Girder #	1	2	3	4	5	
Pier 3 (Unit II)		-	34	12	-	

 * 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 II Girders at Pier 3 shall be lifted simultaneously $\frac{3}{4}$ " to replace existing bearings and to repair Pier 3. Care shall be taken such that the relative elevation between adjacent girders does not vary by more than ${}^{l}\!_{4}{}^{u}$ from their original relative elevations.
- 2. The maximum dead load reaction with deck removed on Span 4 is 18 kips per bearing.
- 3. The minimum jack capacity shall be 15 tons.
- 4. See Sheet 2 of 25 for Temporary Support Requirements.



(Move bott, brg. away from fixed brg.)

(Move bott. brg. toward fixed brg.)

SETTING ANCHOR BOLTS AT PIER 3

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

BILL OF MATERIAL

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

See sheet 24 of 25 for Anchor Bolt installation. Cost of Field Drilling Holes in Existing Girders included in cost of Furnishing and Erecting

For Existing Bearing Removal See Sheet 17 of 25.

ILLINOIS DEPARTMENT OF TRANSPORTATION

PIER 3 UNIT II 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 DATE: JAN. 2005