

EXISTING PIER BEARING REMOVAL

JACK AND REMOVE EXISTING BEARING PROCEDURE

(Center Pier)

- I. The Contractor shall submit for approval by the Engineer, plans for jacking existing beams and installing new bearings prior to commencing any related work.
- 2. Jacking and removing existing bearings shall be done after existing concrete deck is removed and prior to pouring the concrete deck.
- 3. Prior to ordering any material, the Contractor shall verify shim plate thickness required at each bearing so that total height of new bearing and fill matches height of existing bearing and shim.
- 4. There shall be at least one jack per bearing, and the Jack shall be placed close to the bearings.
- 5. For limitations on lift amounts, see Special Provisions.
- 6. The new bearing shall be in place and the jacks shall be lowered before the new concrete deck is poured. Existing diaphragms to be unbolled due to differential deflections during stage construction.
- 7. Jacking against diaphragms is prohibited,
- 8. Cross frames are to be removed at the stage line prior to jacking and re-installed prior to the final deck pour.
- 9. Re-bolt existing diaphragms after completion of Stage III deck pour.

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

B◀ ₽ 1⁹16" x 9" x 1'-5'5" 2 . . . 2's" x 12" x 2'-6" 36 *R 6" x 12" x 2'-6" (Shim R) elastomeric neoprene leveling pad 6" 6" according to the material properties of * Lower shim plate can be composed Article 1052.02(a) of the Standard of multiple, thinner plates for ease B◀ Specifications. Cost included with of fabrication. Structural Steel.

ELEVATION AT PIER

FIXED BEARING



Notes:

Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

Anchor bolts at fixed bearings shall be installed in holes drilled after the supported member is in place. Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications. Two '8" adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as needed and as shown on bearing details.

BEAM REACTIONS

(Steel only)

RØ (k) 38

Min. Jack Capacity = 30 Ton (Without Deck)

FILE NAME : TR-428 over FAI-72.dgn	USER NAME =	DESIGNED - SAL	REVISED -			F.A.I. SECTION	COUNTY TOTAL SHEET
		CHECKED - MTH	REVISED -	STATE OF ILLINOIS	PIER BEARING DETAILS	N/E.	COUNTY SHEETS NO.
	PLOT SCALE :	DRAWN - TJW	REVISED -	DEPARTMENT OF TRANSPORTATION	OVERPASS RD. (TR-420) OVER F.A.I72 - S.N. 084-0154	72 (84-10-1,2) RS-3	SANGAMON 194 164
L <u></u>	PLQT DATE +	CHECKED - MTH	REVISED -		SHEET NO. 17 OF 25 SHEETS	FED. ROAD DIST. NO. 6 ILLINDIS FED. AND	CONTRACT NO. 72C90



SECTION B-B





ANCHOR BOLT LAYOUT Note: Some elements not

to scale for clarity.

BILL OF MATERIAL

Item	Unit	Total
Furnishing and Erecting Structural Steel	Pound	8230
Anchor Bolts, 1'2"	Each	18
Jacking Existing Superstructure	L. Sum	1