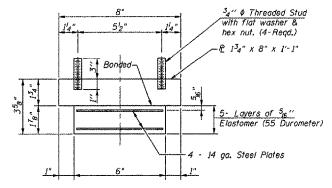


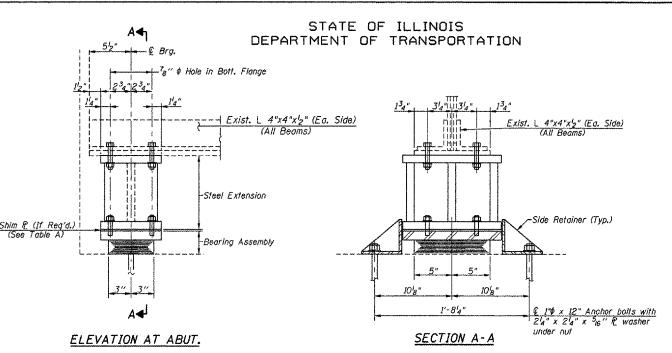
## EXISTING BEARING REMOVAL DETAIL



## BEARING ASSEMBLY

Note: Shim plates shall not be placed under Bearing Assembly.

All dimensions are at right angles unless noted otherwise.



### TYPE I ELASTOMERIC EXP. BRG.

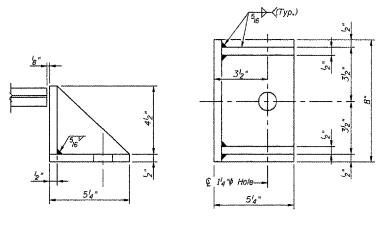
Note: See sheet 11 of 18 for Anchor Bolt installation.

-¢ Beam

r@ Brg.

ANCHOR BOLT SETTING DETAIL (NORTH ABUTMENT)

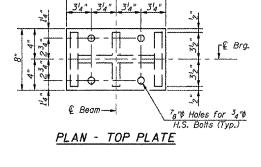
x 12" Anchor Bolt



# SIDE RETAINER Weight included with Structural Steel.

# JACK AND REMOVE EXISTING BEARING PROCEDURE (PER STAGE)

- 1. The contractor shall submit plans for jacking to the Engineer for approval prior to commencing any work at the bearings.
- 2. Jacking and removing existing bearings shall be done after deck removal is completed and before the new deck is poured.
- 3. All beams at one abutment in each stage of construction shall be jacked simultaneously.
- 4. Raising of the existing beams at the abutments shall be limited to the minimum height required for the removal of the bearings. Raising of the beams shall be accomplished by the use of a jack or series of jacks. The maximum reaction at each beam with the deck removed is 2 kips. The minimum jack capacity for each beam is 1.5 tons at the abutments.
- 5. Remove the existing anchor bolts flush with the concrete bearing seat and grind smooth and seal with epoxy. The existing bottom plate, rockers and top plate shall be removed, Grind smooth all weld material remaining on the bottom flange.
- 6. The new bearings with steel extensions are to match the existing bearing assembly heights.
- 7. The new bearings and steel extensions shall be installed and the jacks shall be lowered before the new deck is poured.



65"

ROUTE NO. SECTION

CONTRACT NO. 68024

F.A.P. 656

TOTAL SHEET SHEETS NO.

32 21

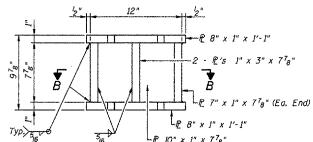
SHEET NO. 10

OF 18 SHEETS

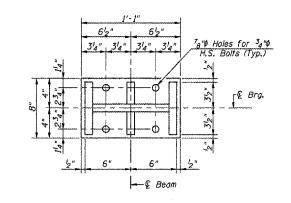
COUNTY

TAZEWELL

FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT



STEEL EXTENSION AT NORTH ABUTMENT



SECTION B-B

### <u>TABLE A</u> Shim Plate Thickness.

	1 10/6	MGKI	70.337		-	
Beam No.	Į.	4	J	4	ŋ	٥
N. Abutment	58"	2"	8"	0"	0"	0"

\* Thicknesses shown are from existing plans. Contractor shall field verify prior to ordering material.

#### Notes:

For anchor bolt installation details, see sheet II of 18, Shim plates shall not be placed under Bearing Assembly, All dimensions are at right angles unless noted otherwise. Anchor bolts, side retainers, shim plates and steel extensions are included with "Furnishing and Erecting Structural Steel".

BILL OF MATERIAL

<u>I</u> tem	Unit	Total	
Elastomeric Bearing Assembly Type I	Each	6	
Jack and Remove Existing Bearings	Each	6	
Furnishing and Erecting Structural Steel	Pound	1070	

BEARING DETAILS - NORTH ABUTMENT
IL. ROUTE 29 OVER CRANE CREEK
F.A.P. ROUTE 656 - SECTION (I)I

TAZEWELL COUNTY

STA. 166+53.50
S.N. 090-0053

DRAWN - JRP

CHECKED - MAH

I-2-E1 10-31-02

DESIGNED - MAH

CHECKED - APH