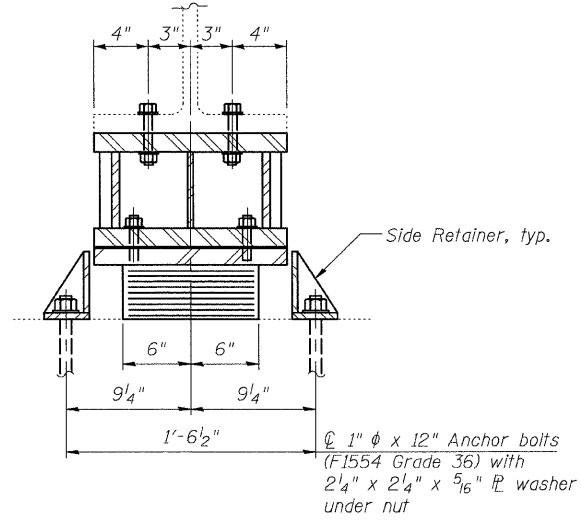
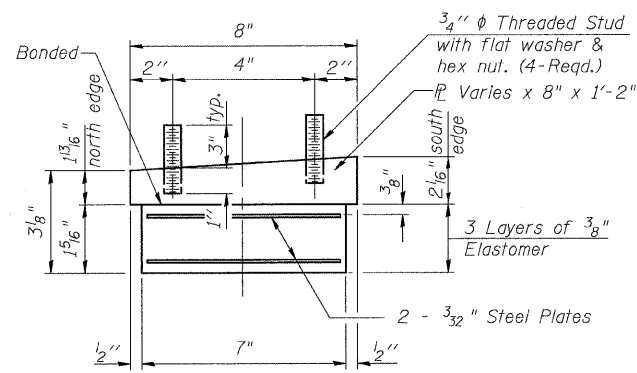


ELEVATION AT N. ABUT.



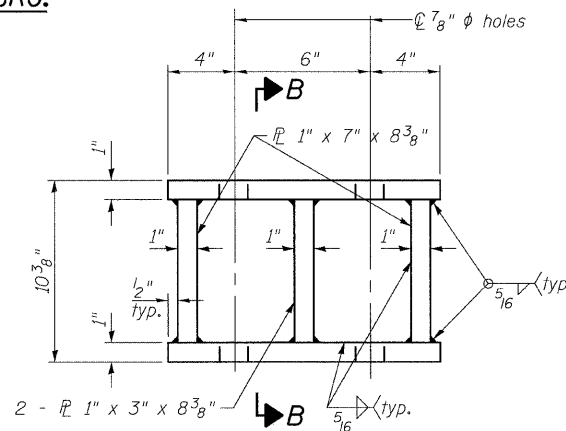
SECTION A-A

TYPE I ELASTOMERIC EXP. BRG.

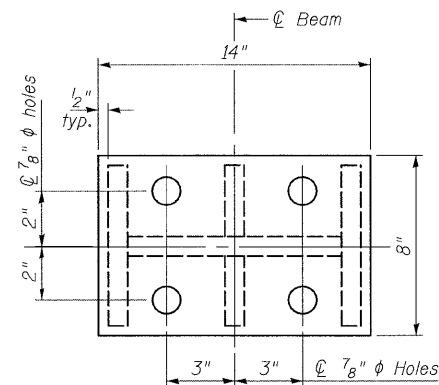


BEARING ASSEMBLY

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



ELEVATION FABRICATED STEEL EXTENSION



PLAN FABRICATED STEEL EXTENSION

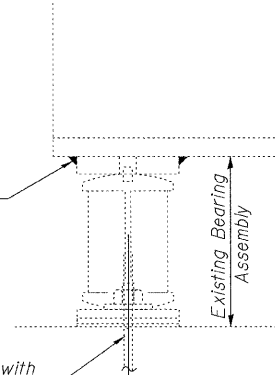
\*at abutments only

Existing Plate to be removed using the air-arc method and grind smooth all weld material remaining on the bottom flange. Cost included in Concrete Removal.

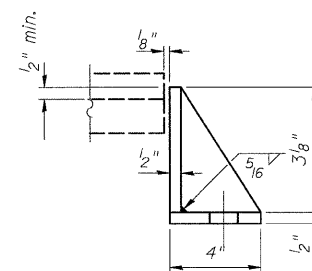
\*Burn existing anchor bolts flush with existing concrete surface. Grind existing anchor bolt smooth and seal with epoxy. Cost is included in Concrete Removal.

EXISTING BEARING REMOVAL DETAIL

At abutments, Pier 5, Pier 6 and Pier 8

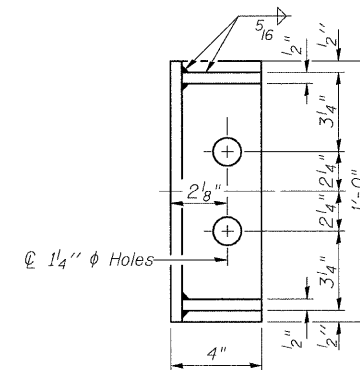


SECTION B-B



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.



PROCEDURE FOR JACKING AND REMOVING EXISTING BEARINGS

(At Abutments)

- The Contractor shall submit, for approval by the Engineer, plans for jacking and removing the existing bearings at the abutments prior to commencing any work at the abutment bearings.
- In each stage, jacking and removal of existing bearings shall be done after the existing deck is removed and before new deck is poured.
- The jacking system at the existing abutments shall be placed on the existing slopewall and shall distribute the loads using steel beams, timber mats or other means approved by the Engineer.
- The beam reactions after the deck has been removed at each bearing are shown in the table below.

Location	Dead Load Reaction
South Abutment	1 Ton
North Abutment	1.5 Tons

- The new bearings and steel extensions shall be in place and the jacks lowered prior to pouring the new concrete deck in each stage. See Special Provision for Jack and Remove Existing Bearings.

PROCEDURE FOR JACKING AND CRIBBING

(At Piers 5, 6 and 8)

- The Contractor shall submit, for approval by the Engineer, plans for jacking and cribbing the existing beams prior to commencing any concrete removal work at existing piers 5, 6 and 8.
- In each stage, the jacking of the existing beams shall be done after existing deck is removed, the cribbing is in place and before new deck is poured.
- The beam reactions after the deck has been removed at each bearing are shown in the table below.

Location	Dead Load Reaction (k)
Pier 5 North	4.5 Tons
Pier 5 South	4.5 Tons
Pier 6 North	2.0 Tons
Pier 6 South	2.0 Tons
Pier 8 North	2.0 Tons
Pier 8 South	1.5 Tons

- The new pier cap shall be cured, the new bearings shall be in place and the jacks lowered prior to pouring the new concrete deck in each stage. See Special Provision for Jacking and Cribbing.

Notes:

Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

Anchor bolts for side retainers shall be installed in holes drilled in the concrete. 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 I.

Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions. Cost included in Elastomeric Bearing Assembly Type I.

The cost of field drilling holes in bottom flange of existing beams is included in Elastomeric Bearing Assembly Type I.

\*\*\*Fabricated Steel Extensions

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	8
Anchor Bolts, 1"	Each	32
***Furnishing and Erecting Structural Steel Jack and Remove Existing Bearings	Pound	1142
	Each	8

BEARING DETAILS-N. ABUTMENT  
STRUCTURE NO. 058-0014

SHEET NO. 29	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
49 SHEETS	710	(50Z-VB)BR	MACON	79	55
			CONTRACT NO. 74215		
			FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT		

**CB** Coombe-Bloxdorf P.C.  
-CIVIL ENGINEERS-  
-STRUCTURAL ENGINEERS-  
-LAND SURVEYORS-  
Design Firm License No. 184-002703

PROJECT NO. 07086  
SCALE  
DATE  
DESIGN BY CME  
DRAWN BY TFG/CFC  
CHECKED BY CME/MCB