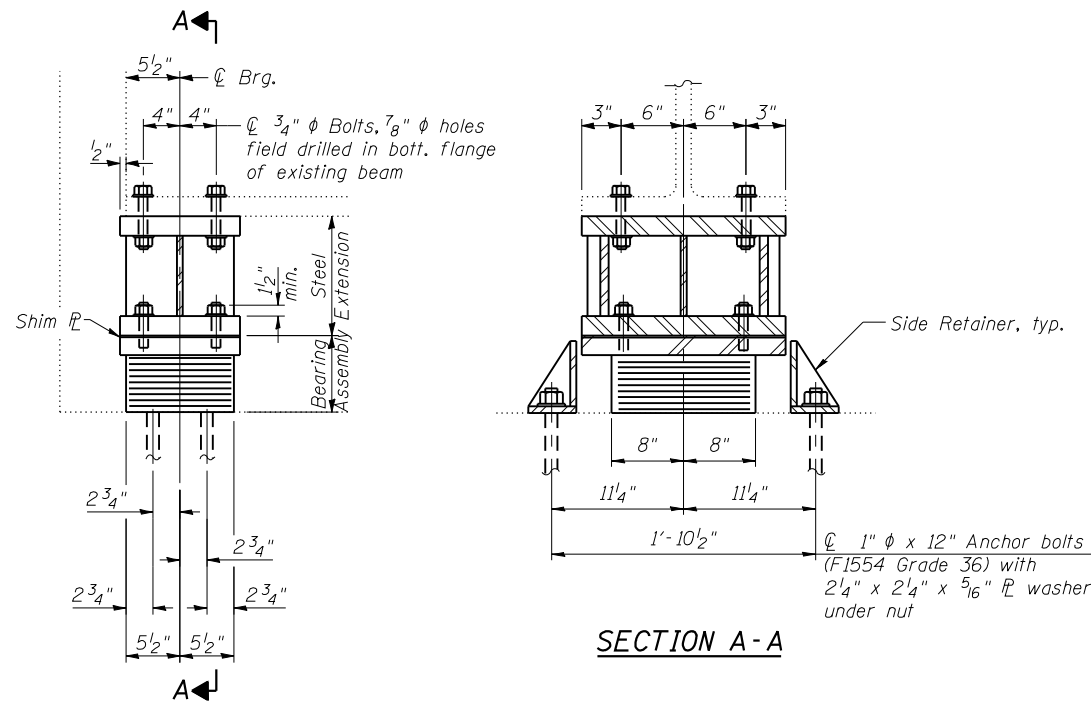


PROCEDURE FOR JACKING AND REMOVING EXISTING BEARINGS

(At Abutments)

1. 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.
2. In each stage, jacking and removal of existing bearings shall be done after the existing deck is removed and before new deck is poured.
3. The minimum jack capacity is 9 ton per girder.
4. 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.



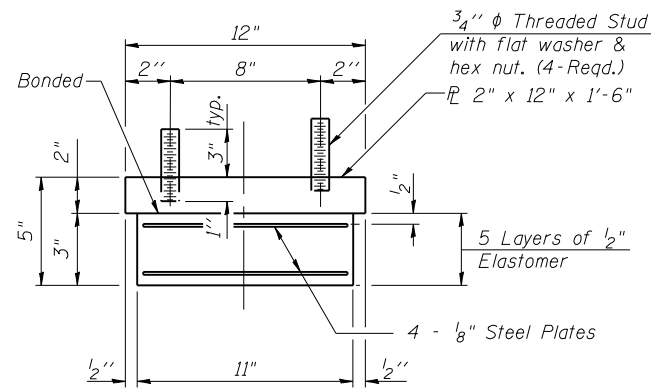
ELEVATION AT N. ABUT.

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 Jack and Remove Existing Bearings.

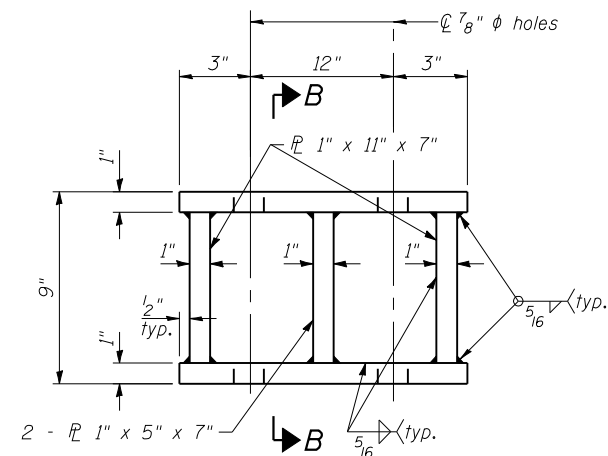
EXISTING BEARING REMOVAL DETAIL
At North abutments

TYPE I ELASTOMERIC EXP. BRG.

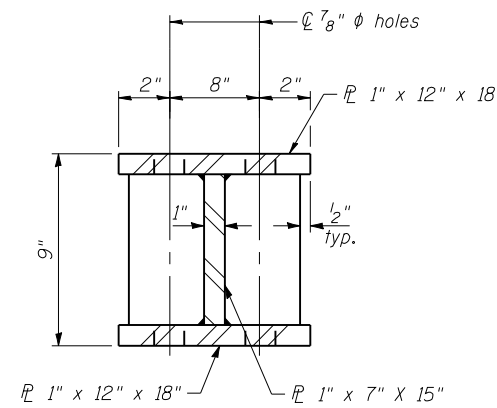


BEARING ASSEMBLY

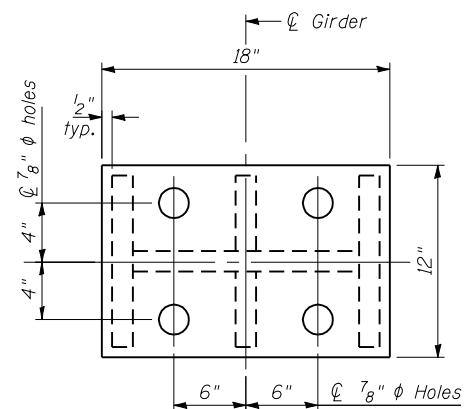
Note:
Shim plates shall not be placed under Bearing Assembly.



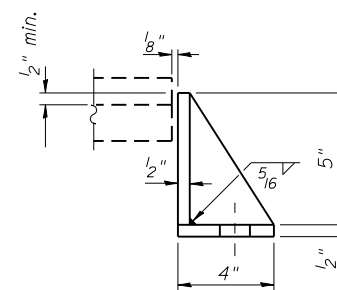
ELEVATION FABRICATED STEEL EXTENSION



SECTION B-B

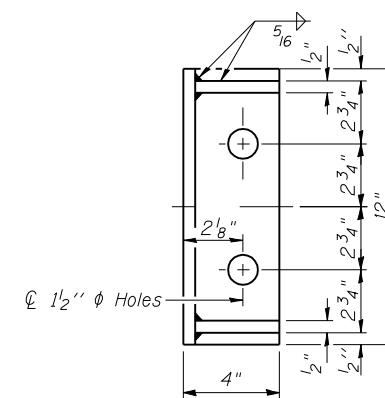


PLAN FABRICATED STEEL EXTENSION



SIDE RETAINER

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



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 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.

Two 1/8 in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	12
Anchor Bolts, 1"	Each	48
*** Furnishing and Erecting Structural Steel	Pound	2786
Jack and Remove Existing Bearings	Each	12

***Fabricated Steel Extensions

I-2E-1

FILE NAME =	USER NAME = .MML.	DESIGNED - RKM	REVISED -
...\\0540063-0064-72e11-024-bearing-detail-n-abut.dgn		CHECKED - MCB	REVISED -
		DRAWN - CFC	REVISED -
CB PROJECT NO. 10007-3	PLOT DATE = 3/18/2013	CHECKED - RKM	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BEARING DETAILS NORTH ABUTMENT
STRUCTURE NO. 054-0063 (N.B.) & 054-0064 (S.B.)**

SHEET NO. 24 OF 38 SHEETS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	D6 LOGAN CO BR 2011-1	LOGAN	429	309
				CONTRACT NO. 72E11

ILLINOIS FED. AID PROJECT