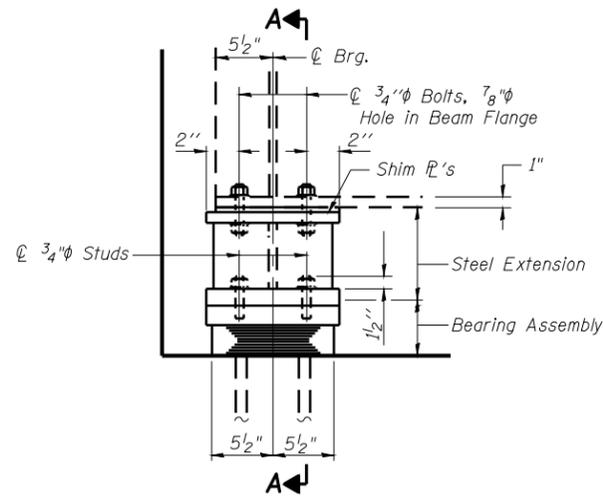
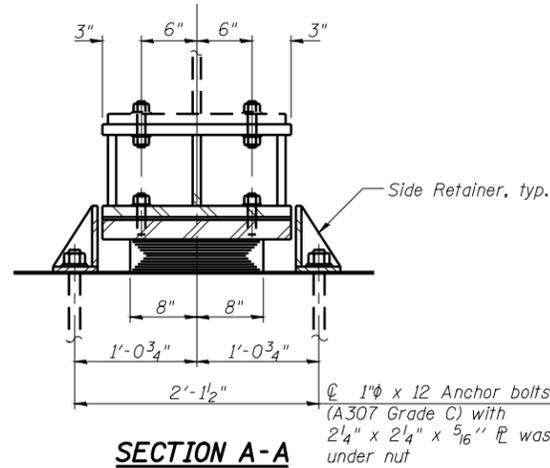


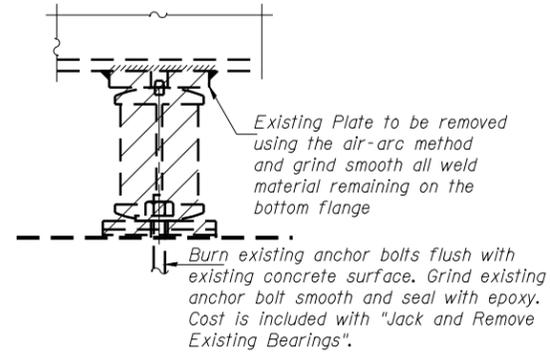
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



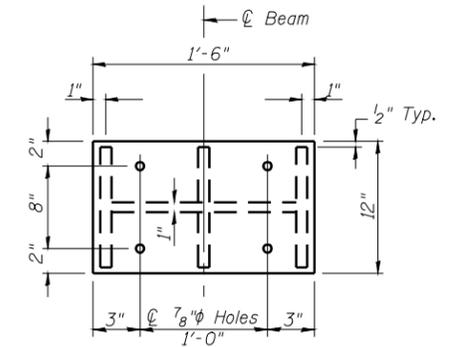
**ELEVATION AT ABUT.**



**SECTION A-A**

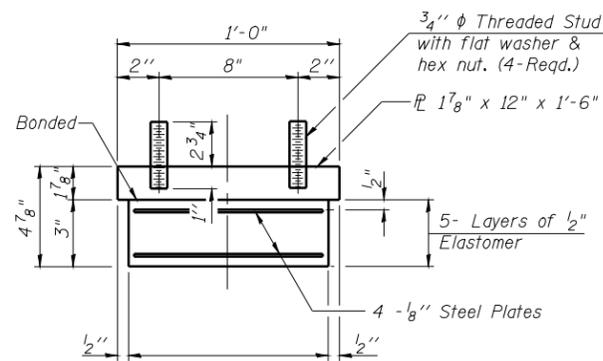


**EXISTING BEARING REMOVAL DETAIL**



**PLAN STEEL EXTENSION**

**TYPE I ELASTOMERIC EXP. BRG.**



**BEARING ASSEMBLY**

**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.

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.

Steel Extensions, Shims and Bolts shall be included in the cost of Furnishing and Erecting Structural Steel.

Prior to ordering any material for shims or extensions, the contractor shall verify in the field all bearing height and shim thickness dimensions.

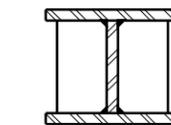
Painting of steel shall be according to Article 506.05 of the Standard Specifications.

Provide two 1/8 inch shims for each bearing location.

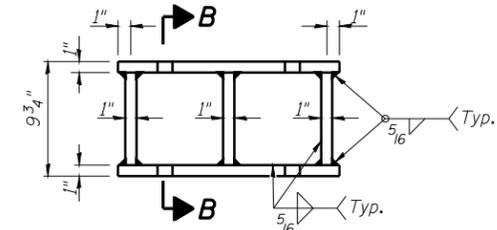
Adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.

Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts 3/4 inch in 1 3/16 inch holes, unless otherwise noted.

Shim plates shall not be placed under Bearing Assembly.



**SECTION B-B**



**ELEVATION STEEL EXTENSION**

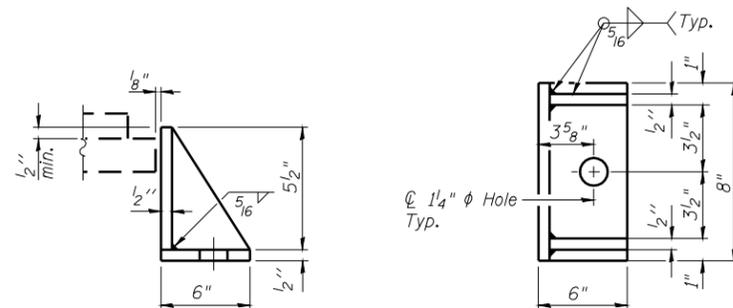
**BILL OF MATERIAL**

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	18
Anchor Bolts, 1"	Each	36
Jack & Remove Exist. Bearings	Each	18
Furnishing & Erecting Structural Steel	Pound	4480

**BEAM REACTIONS**

R <sub>D</sub>	(k)	65.5
R <sub>L</sub>	(k)	45.9
Imp.	(k)	10.3
R (Total)	(k)	121.7

Min. jack capacity = 70 Tons



**SIDE RETAINER**

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

**BEARING DETAILS  
STRUCTURE NO. 059-0039**

SHEET NO. 7 10 SHEETS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	728	(59,68) RS-3, BR	MACOUPIN	137	103
FED. ROAD DIST. NO. 6 ILLINOIS			FED. AID PROJECT		
CONTRACT NO. 72921					