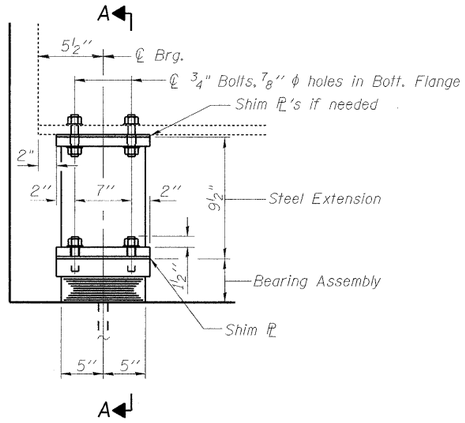
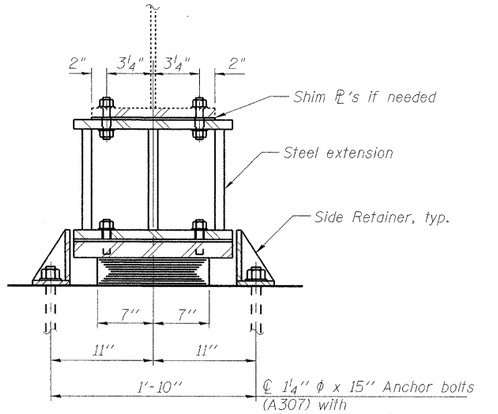
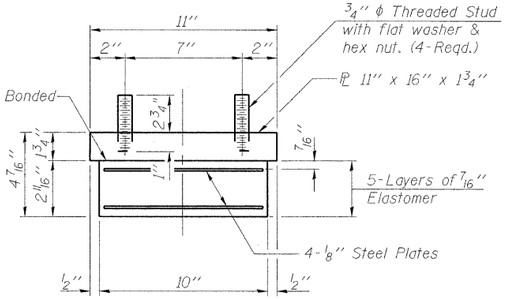


ELEVATION AT ABUT.



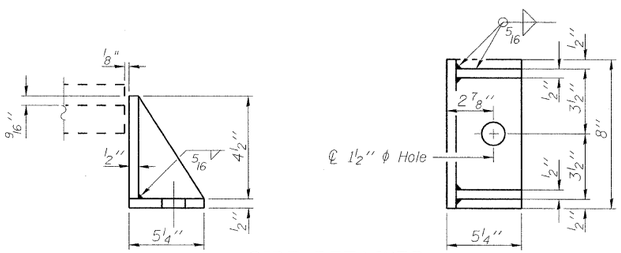
SECTION A-A

TYPE I ELASTOMERIC EXP. BRG.



BEARING ASSEMBLY

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



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. 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.

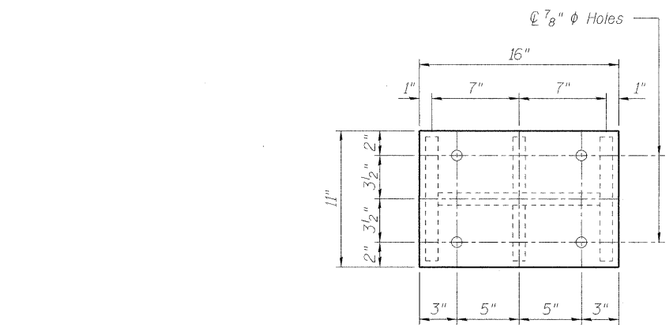
Side retainers and other steel members required for the elastomeric bearing assembly shall be included in the cost of Elastomeric Bearing Assembly, Type I.

The Steel Extensions shall be paid for as Furnishing and Erecting Structural Steel.

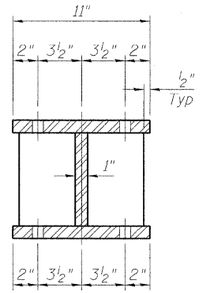
Existing top bearing plate welded to the existing beam must be removed. Contractor must exercise caution as to not damage bottom flange. Existing top plate to be removed using the air-arc method and grind smooth all weld material remaining on the bottom flange.

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

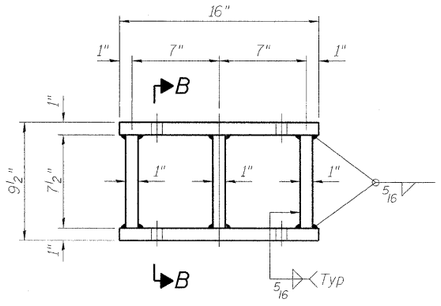
Two ⅛ in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.



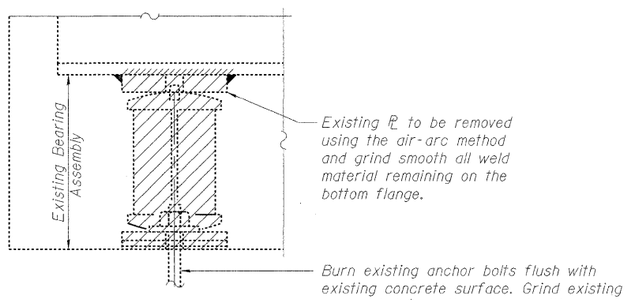
PLAN TOP AND BOTTOM PLATE



SECTION B-B



STEEL EXTENSION DETAIL



EXISTING BEARING REMOVAL DETAIL

Cost included with Jack and Remove Existing Bearings.

BILL OF MATERIAL

Item	Unit	Total
Furnishing and Erecting Structural Steel	Pound	3,850
Elastomeric Bearing Assembly Type I	Each	20
Anchor Bolts 1¼"	Each	40
Jack and Remove Existing Bearings	Each	20

FILE NAME = g:\prog\ent\2012\155.024\cadd\structure\sht\08161015_60863_024_Bearing.dgn

ENTRAN

USER NAME = 2sayerb	DESIGNED - TWO	REVISED -	
	CHECKED - BHS	REVISED -	
PLOT SCALE = N/A	DRAWN - TWO	REVISED -	
PLOT DATE = 8/5/2011	CHECKED - GSP	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEARING DETAILS
STRUCTURE NO. 016-1015
SHEET NO. S24 OF 36 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1112.1B	COOK	75	51
		CONTRACT NO. 60863		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		