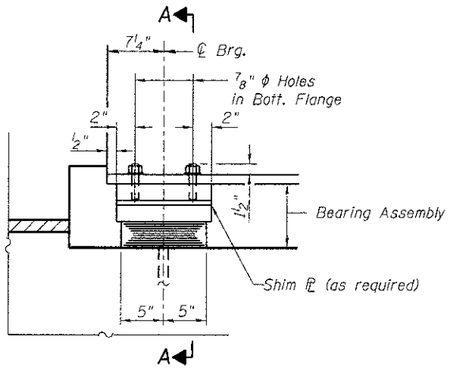
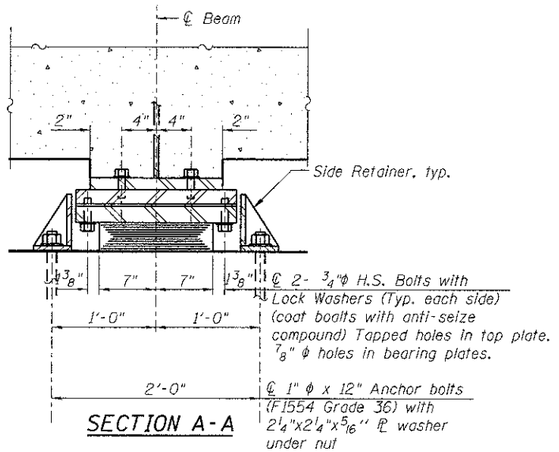


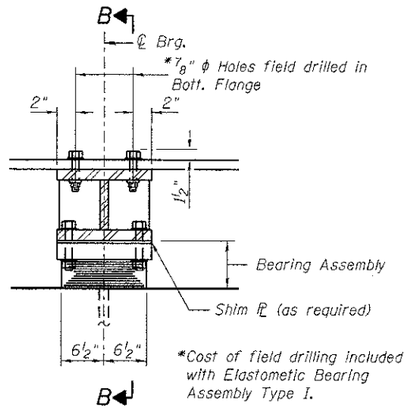
ELEVATION AT EAST & WEST ABUTMENT



SECTION A-A

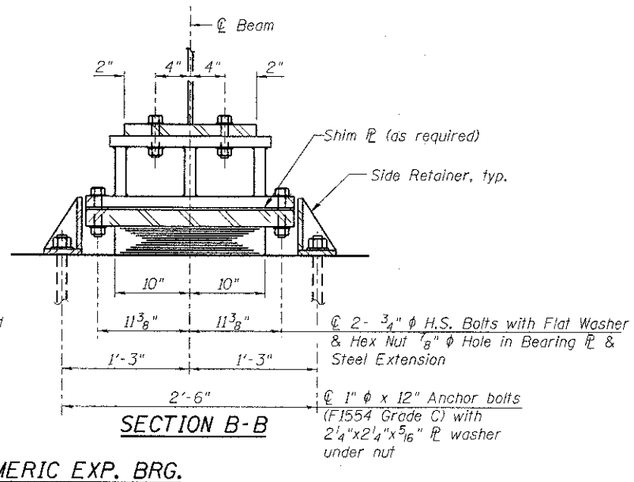
TYPE I ELASTOMERIC EXP. BRG.

(Abutment Bearings 20 Thus)



*Cost of field drilling included with Elastomeric Bearing Assembly Type I.

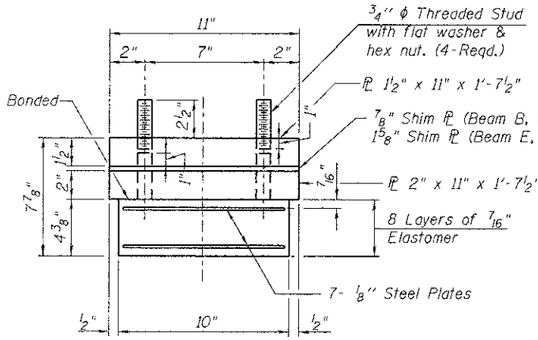
ELEVATION AT PIERS 1 & 3



SECTION B-B

TYPE I ELASTOMERIC EXP. BRG.

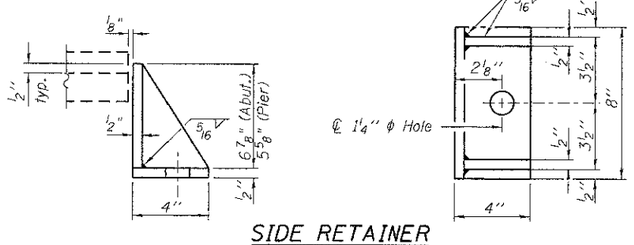
(Pier Bearings 20 Thus)



BEARING ASSEMBLY

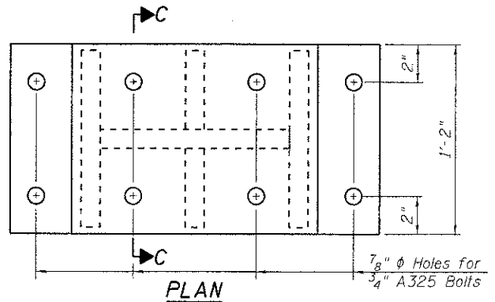
(Abutment Bearings)

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

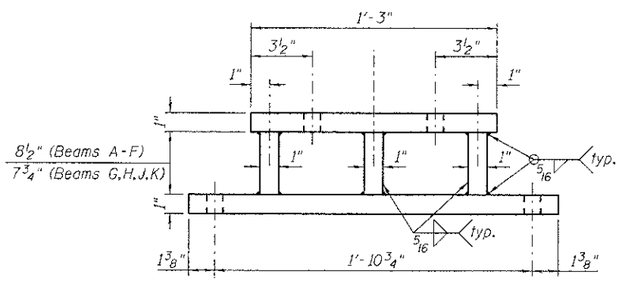


SIDE RETAINER

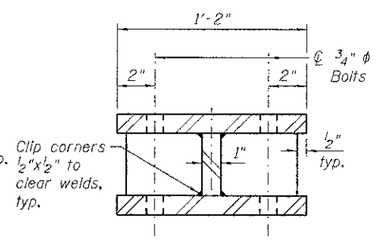
(Abutment & Pier Bearings)
Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.



PLAN



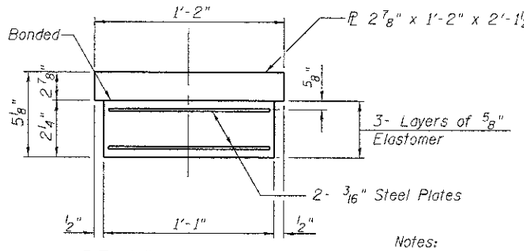
ELEVATION



SECTION C-C

STEEL EXTENSIONS

(10 Thus each for Piers 1 & 3)
Weight included with Structural Steel



BEARING ASSEMBLY

(Pier Bearings)

Note:
Shim plates shall not be placed under 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. The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

Anchor bolts for side retainers may be cast in place or installed in holes drilled before or after members are in place.

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.

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.

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

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	40
Anchor Bolts, 1"	Each	80

N:\PROJ\0003406.00\Design\Structural\CAD\099-3031 0003406 19 Bearing Details.dgn

Ciorba Group, Inc.
CONSULTING ENGINEERS
8527 North Cumberland Avenue
Suite 604 Chicago, Illinois 60656
Tel: 773.775.4329
Fax: 773.775.4016
E-mail: ciorba@ciorba.com

USER NAME = rdenley	DESIGNED - MHT	REVISED -
	CHECKED - SMY	REVISED -
PLOT SCALE = 0.003333 ' / in.	DRAWN - SRG	REVISED -
PLOT DATE = 1/28/2013	CHECKED - BWS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEARING DETAILS
STRUCTURE NO. 099-3031
SHEET NO. S-19 OF S-24 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
298	04-00069-1B-BR	WILL	51	40
		CONTRACT NO. 63803		
		ILLINOIS FED. AID PROJECT		