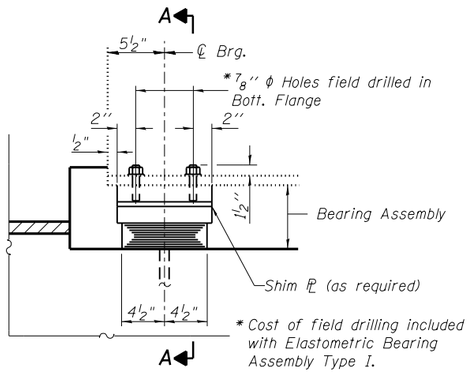
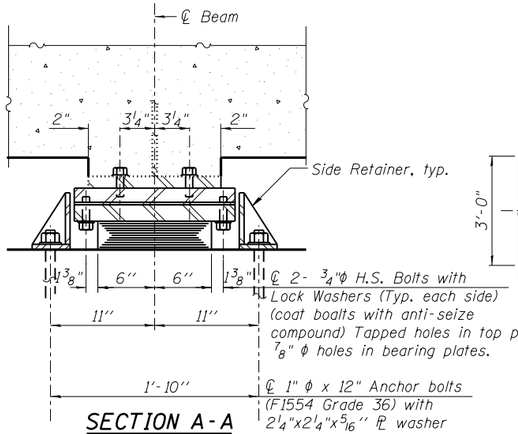
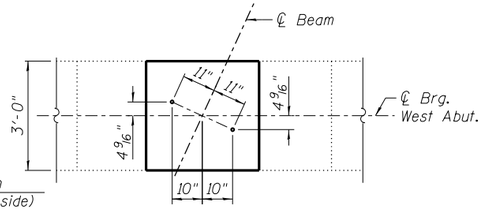


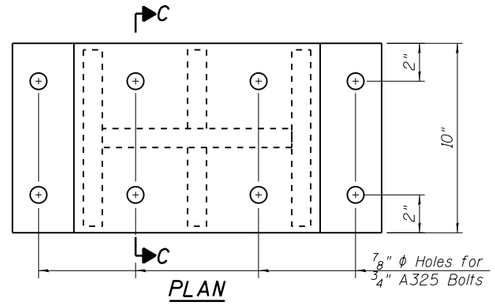
ELEVATION AT WEST ABUTMENT



SECTION A-A



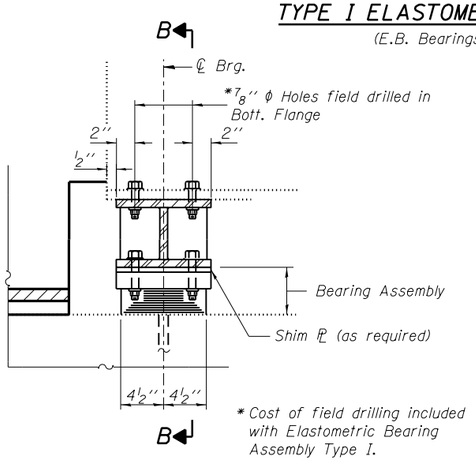
BEARING ANCHOR BOLT LAYOUT
(E.B. Bearings)



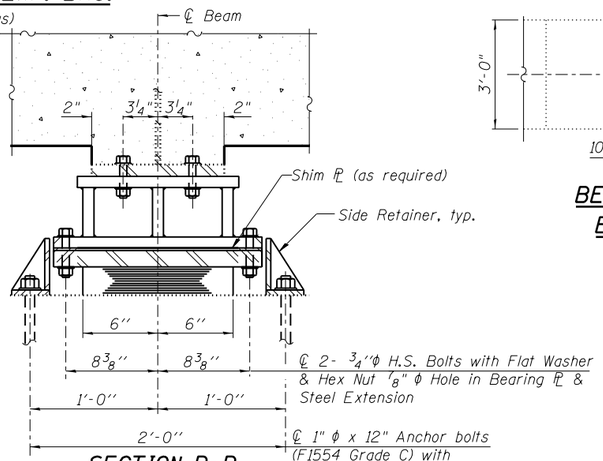
PLAN

TYPE I ELASTOMERIC EXP. BRG.

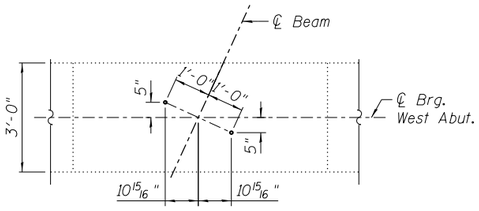
(E.B. Bearings 7 Thus)



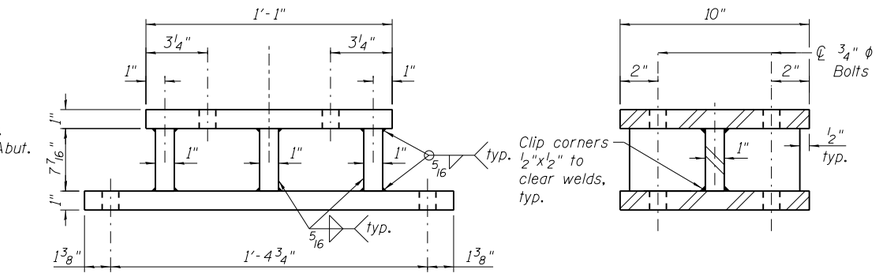
ELEVATION AT WEST ABUTMENT



SECTION B-B



BEARING ANCHOR BOLT LAYOUT
(W.B. Bearings)



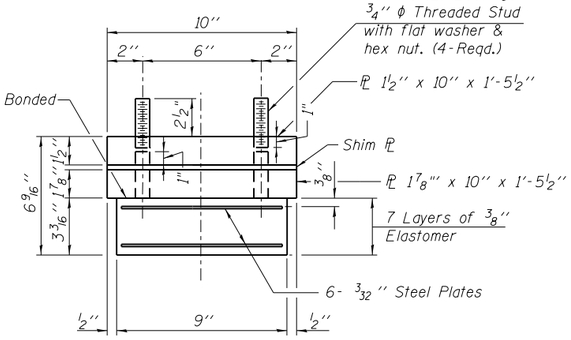
ELEVATION

SECTION C-C

STEEL EXTENSIONS
(7 Thus)
Weight included with Structural Steel

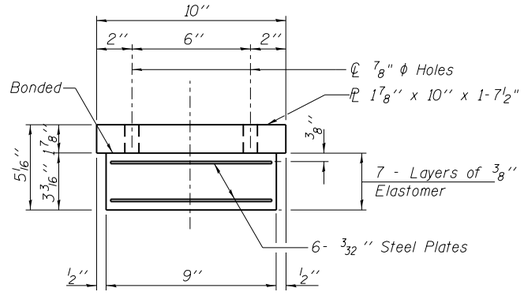
TYPE I ELASTOMERIC EXP. BRG.

(W.B. Bearings - 7 Thus)



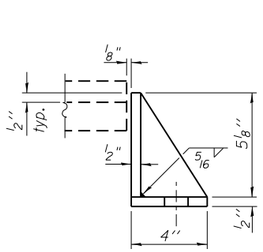
BEARING ASSEMBLY
(E.B. Bearings)

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

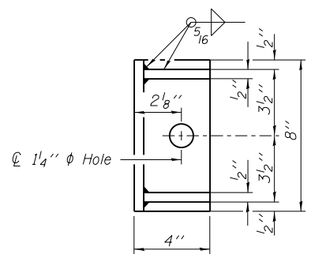


BEARING ASSEMBLY
(W.B. Bearings)

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. 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 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.

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	14
Anchor Bolts, 1"	Each	28
Furnishing and Erecting Structural Steel	Pound	1,180

Ciorba Group, Inc.
CONSULTING ENGINEERS
2400 E. Devon Avenue, Suite 402 Chicago, Illinois 60656
Tel 773.775.4005
Fax 773.775.4014
Email cMcago@ciorba.com

USER NAME = RDanley	DESIGNED - BWS	REVISED -	
	CHECKED - MHT	REVISED -	
PLOT SCALE = 0.166667 ' / in.	DRAWN - RD	REVISED -	
PLOT DATE = 8/14/2012	CHECKED - MHT	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST ABUTMENT BEARING DETAILS
SN 018-0047 (W.B.) & 018-0048 (E.B.)
SHEET NO. S-20 OF S-34 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(18-47B, 18-47HB)BR	CUMBERLAND	147	78
		CONTRACT NO. 74466		
	ILLINOIS FED. AID PROJECT			

N:\PROJ\0003377.00\0003377.07\Design\Structural\CAD\018-0047 & 018-0048-74466 20 Bearing Details 1.dgn