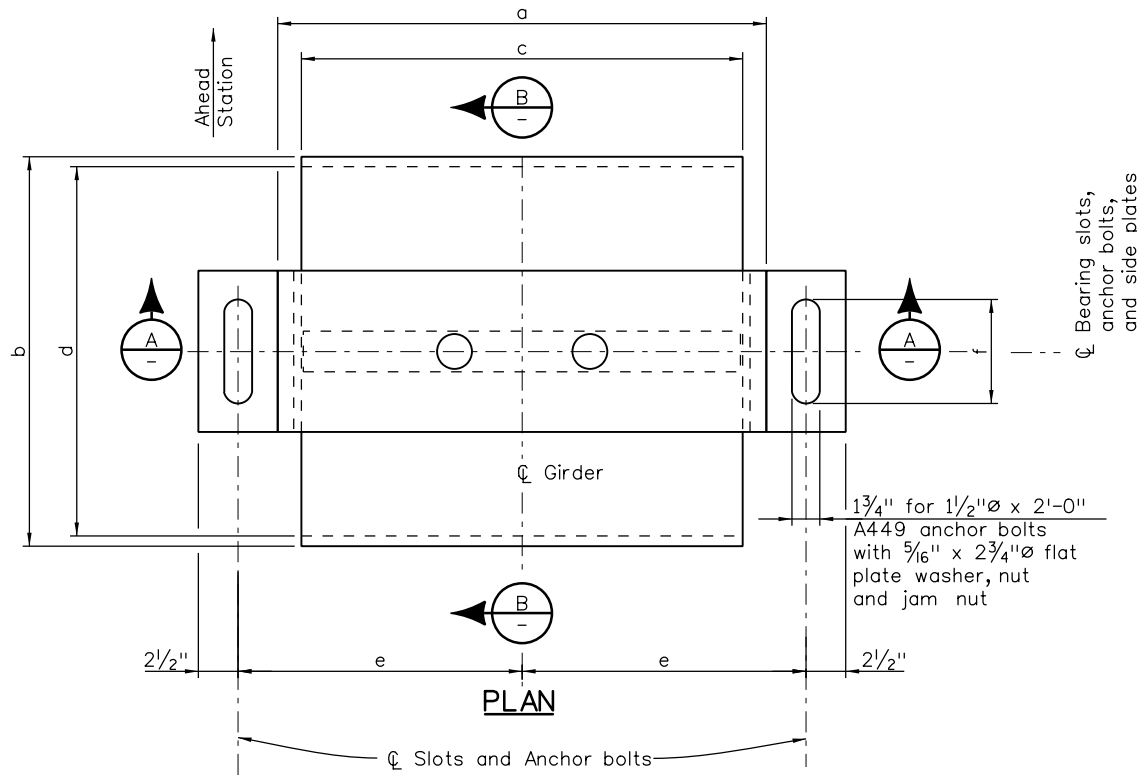
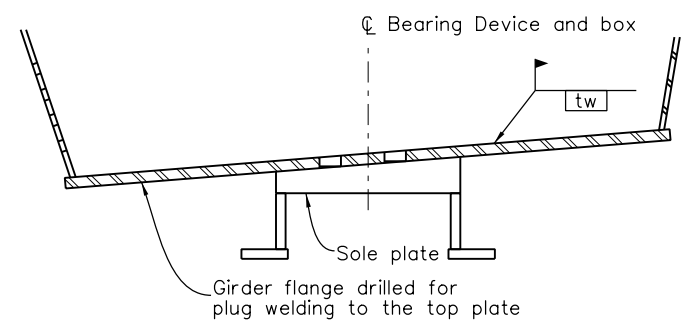


Revision Dates	(Preliminary Stage Only)	3/07	10/13	3/23
8/92	4/93	3/99	11/99	4/02

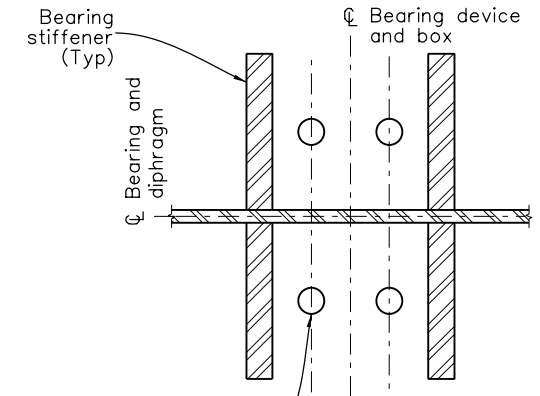
INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
By						
Checked By						



1 3/4" for 1 1/2"Ø x 2'-0"
A449 anchor bolts
with 5/16" x 2 3/4"Ø flat
plate washer, nut
and jam nut



SECTION
Brg stiffener and diaphragm not shown
TOP PLATE OF GIRDER CONNECTION
(STEEL GIRDER)

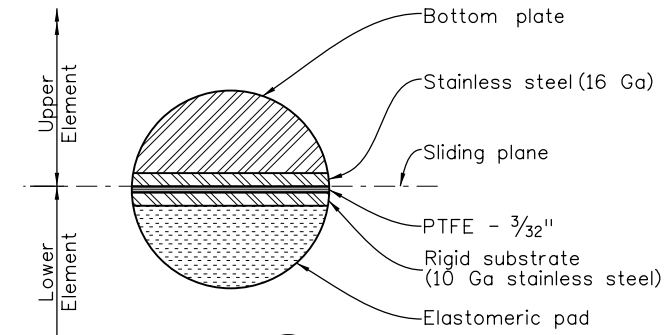


Drilled holes in
bottom flange, see
Ø in table below.
Typ each bearing

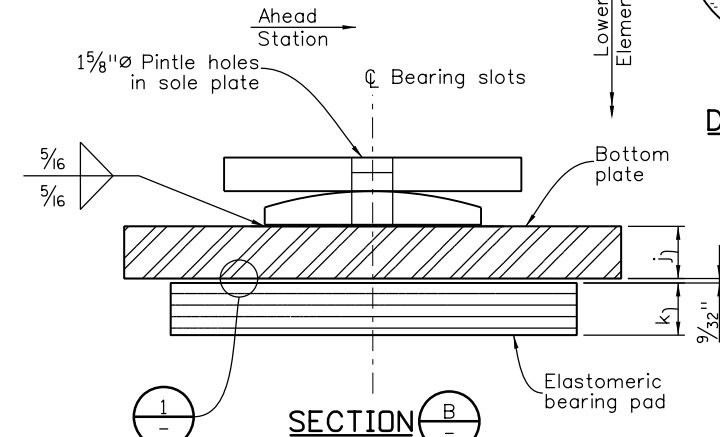
PLAN

NOTES:

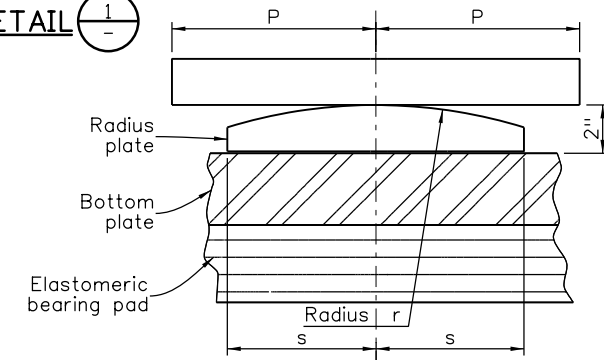
- Elastomeric pad, sole plate, radius and bottom plate, PTFE, side plates, pintle, shear studs, welding, anchor bolts and miscellaneous hardware shall be included in the bid price for item 512, Bearing Device (Type V).
- The centerlines of the upper and lower elements of the expansion bearings shall be aligned as shown in Section B at a mid-point temperature of 40°. The upper element only shall be adjusted in relation to the fixed bearing for each 10° temperature change. Adjust away from the fixed bearing one 10° temperature increment for each 10° change above 40° and toward the fixed bearing for each 10° change below 40°.
- Provide 1/4" clearance between jam nut and sole plate under all temperature conditions prior to jamming.
- Seal weld stainless steel to the sole plate.
- PTFE and substrate shall be vulcanized to the elastomeric pad.
- Grade 3 elastomer shall be used. Higher grade elastomer may be substituted for grade 3 at no additional cost to the project.
- Design shear modulus G = _____ psi. at 73°F.
- Hardness = _____ Duro (Shore A).
- AASHTO design method _____ has been used.



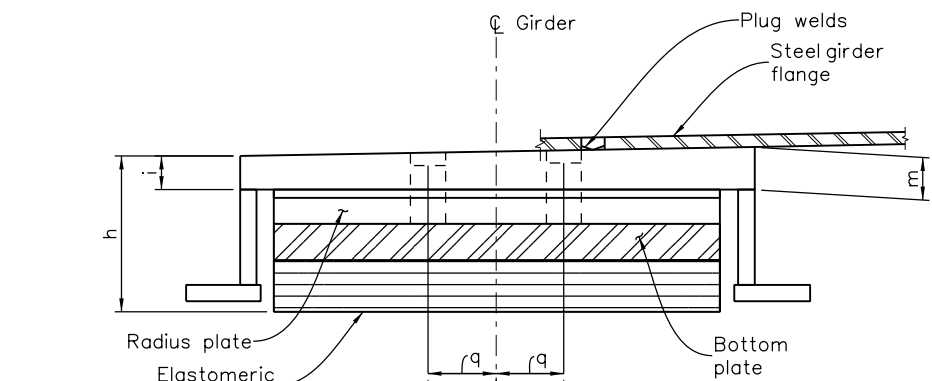
DETAIL 1



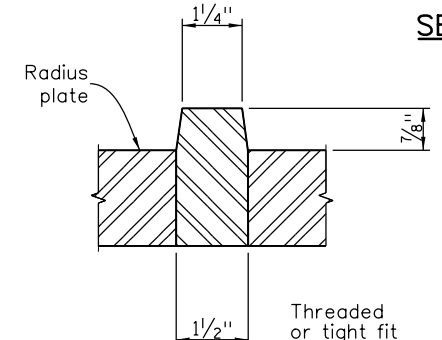
SECTION B
ELASTOMERIC BEARING DETAILS



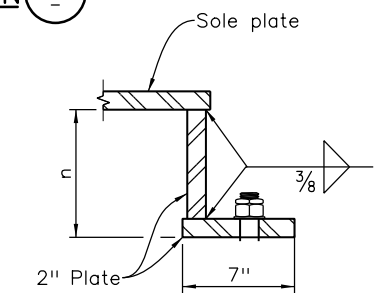
RADIUS PLATE DETAIL



SECTION A



PINTLE DETAIL



SIDE PLATE DETAIL

Location	No Req'd	Maximum Design Load (Kip)	Top Connections Field Plug Welds (Steel Str)			10° Temp Increments	Dimensions (Inches)															
			Number	Ø (In.)	tw		a	b	c	d	e	f	h	j	k	l	m	n	p	q	r	s

All seals for this set of drawings are applied to the cover page(s)	Print Date: \$DATE\$	Sheet Revisions		Colorado Department of Transportation		As Constructed		BEARING DEVICE (TYPE V) STEEL GIRDER				Project No./Code		
	File Name: Sheet_B-512-5S.dgn	Date:	Comments	Init.	2829 West Howard Place, 3rd Floor Denver, CO 80204 Phone: 303-512-4079 FAX: 303-757-9197		No Revisions:		Structure X-XX-XX				Project Number	
	Horiz. Scale: Not to Scale Vert. Scale: As Noted				Staff Bridge Branch		Revised:		Designer: XXXXXXXX		Structure Numbers X-XX-XX		Code	
Unit Information	Unit Leader Initials				Initials		Void:		Detailer: XXXXXXXX		Subset Sheets: BXX of XXX		Sheet Number	