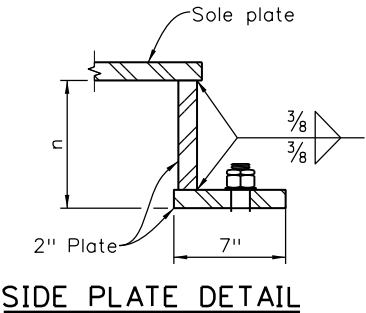
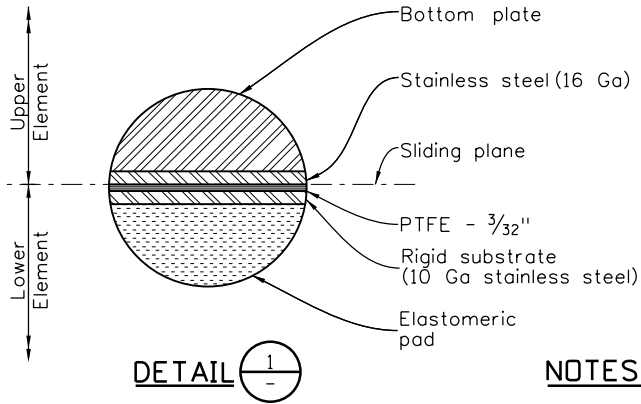
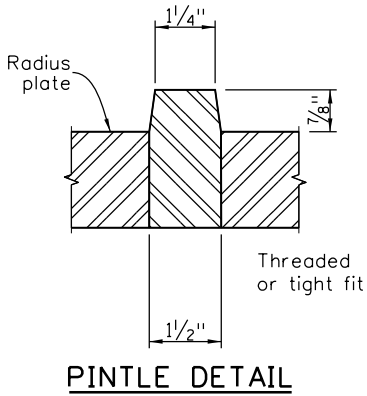
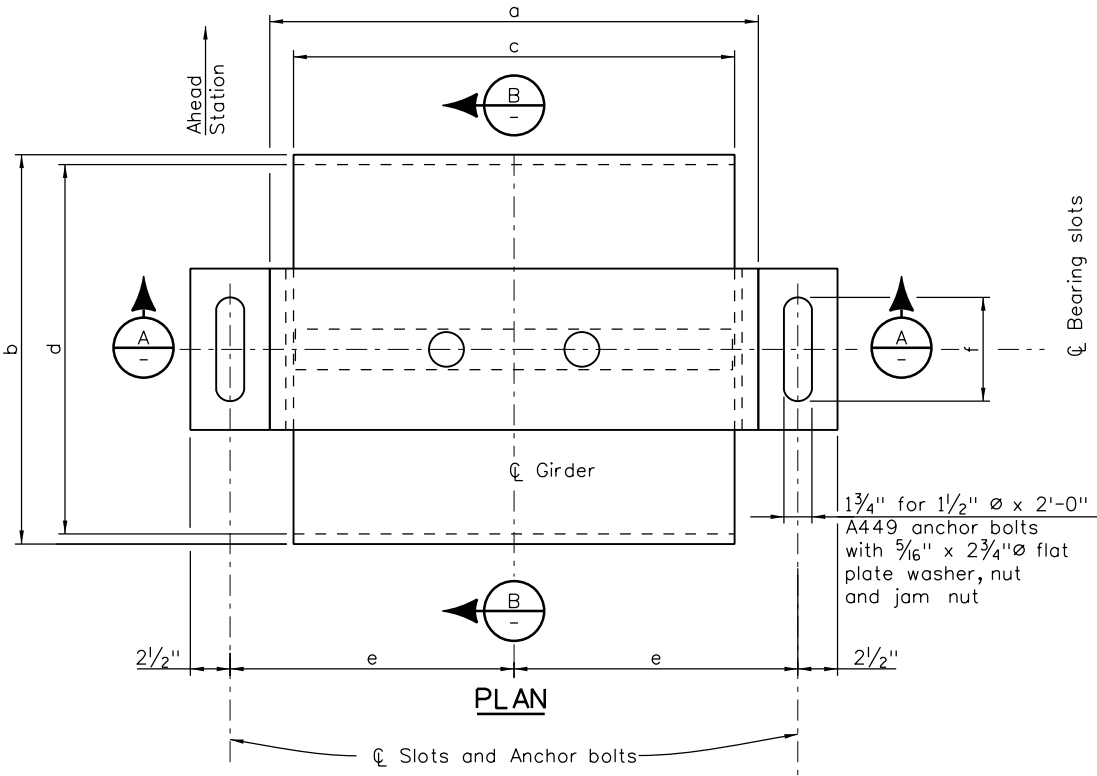
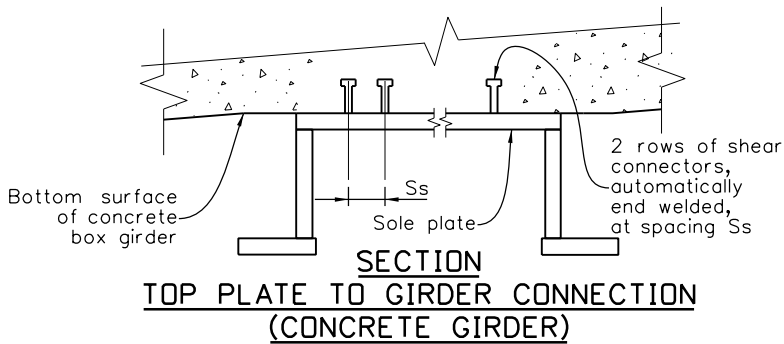
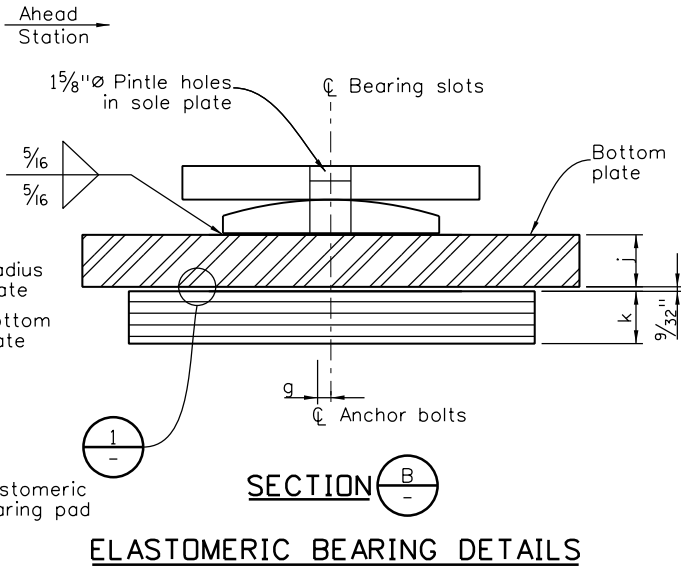
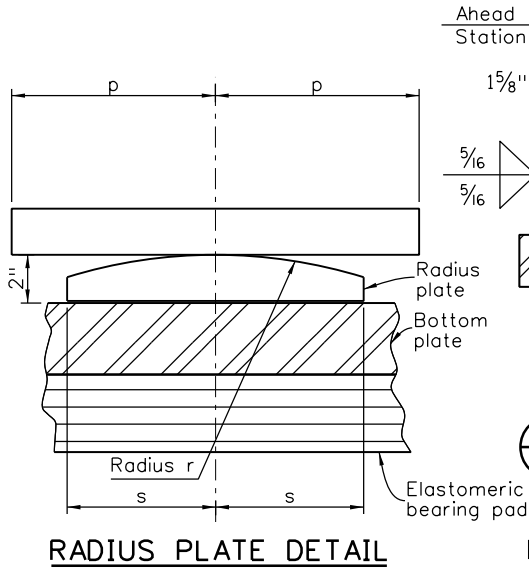
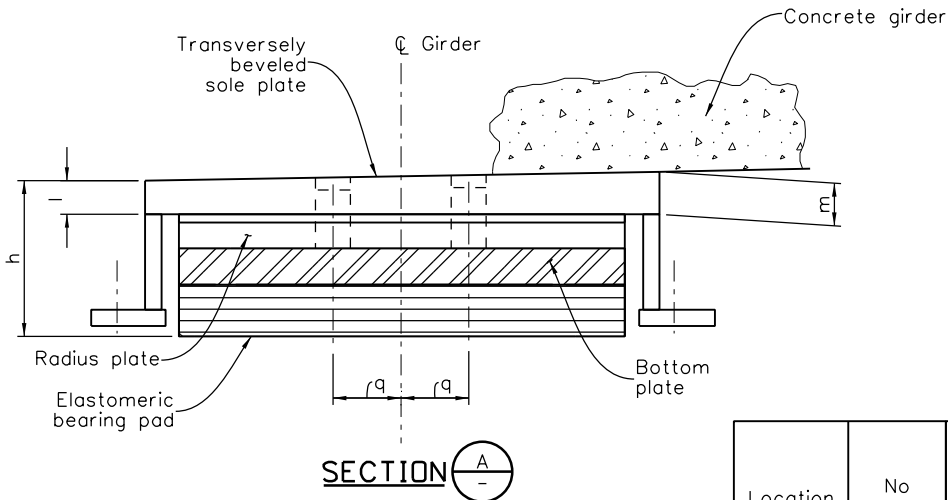


Revision Dates	3/23	10/13	3/07	4/02	11/99	3/99	4/93

INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
By						
Checked By						



- 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.



**SECTION B-B**  
**TOP PLATE TO GIRDER CONNECTION**  
**(CONCRETE GIRDER)**

Location	No Req'd	Maximum Design Load	Top Connections Concrete Anchor Studs				10° Temp Increments	Dimensions (Inches)																
		(Kip)	Length	Number	Ss (In)	Ø (In)		a	b	c	d	e	f	☆ g	h	j	k	l	m	n	p	q	r	s

☆ NOTE: Dimension g compensates for creep and shrinkage. Negative values indicate that the \* bearing slots shall be set backstation from the \* anchor bolts and elastomeric pad.

All seals for this set of drawings are applied to the cover page(s)

Print Date: \$DATE\$  
File Name: Sheet\_B-512-5C.dgn  
Horiz. Scale: As Noted    Vert. Scale: As Noted  
Unit Information    Unit Leader Initials

Sheet Revisions

Date:	Comments	Init.

Colorado Department of Transportation

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Staff Bridge Branch

As Constructed

No Revisions:

Revised:

Void:

BEARING DEVICE (TYPE V) CONCRETE GIRDER

Designer: XXXXXXXX	Structure Numbers	X-XX-XX
Detailer: XXXXXXXX		X-XX-XX
Sheet Subset: BRIDGE	Subset Sheets: BXX of XXX	

Project No./Code

Project Number

Code

Sheet Number