

ANCHOR BOLT DETAIL

DETAIL A

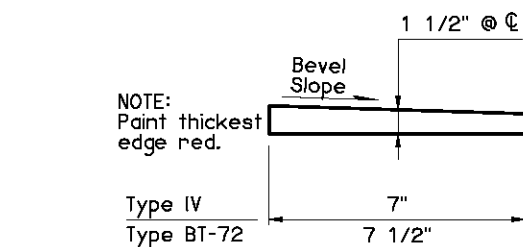
FIXED BEARING PLAN

EXPANSION BEARING PLAN

END VIEW

BEARING DETAILS

SIDE VIEW



BEVELED ANCHOR PLATE DETAIL

NOTE: Beveled Anchor Plate is required when angle between beam supports due to roadway grade exceeds 1%. Bevel Slope to match angle between beam supports and horizontal.

BEARING ASSEMBLY NOTES:

Provide structural steel for Anchor Plates and Built-up Contact Angles in accordance with ASTM A240 (Austenitic Stainless Steel, Type 316, Charpy V-Notch testing not required). For Anchor Bolts, provide continuously threaded bars in accordance with ASTM A320, Class 2, Grade B8M (Austenitic Stainless Steel, Type 316, Charpy V-Notch testing not required). Use austenitic stainless steel nuts and washers conforming to ASTM A194, Grade 8M and ASTM A320, respectively. Perform all welding consistent with procedures for stainless steel.

SPAN	60 DUROMETER ELASTOMERIC BEARING PAD			MAXIMUM EXPANSION LENGTH (2)
	SIZE (T x L x W)	COVER LAYER	INNER LAYER	
65'	3 1/8"x6"x2'-2"	2 - 1/4"	5 - 3/8"	205'
70'	3 1/8"x6"x2'-2"	2 - 1/4"	5 - 3/8"	205'
75'	3 1/8"x6"x2'-2"	2 - 1/4"	5 - 3/8"	205'
80'	3 1/8"x6"x2'-2"	2 - 1/4"	5 - 3/8"	205'
85'	3 1/8"x6 1/2"x2'-2"	2 - 1/4"	5 - 3/8"	205'
90'	3 1/8"x6 1/2"x2'-2"	2 - 1/4"	5 - 3/8"	215'
95'	3 1/8"x6 1/2"x2'-2"	2 - 1/4"	5 - 3/8"	215'
100'	3 1/8"x6 1/2"x2'-2"	2 - 1/4"	5 - 3/8"	220'

SPAN	60 DUROMETER ELASTOMERIC BEARING PAD			MAXIMUM EXPANSION LENGTH (2)
	SIZE (T x L x W)	COVER LAYER	INNER LAYER	
95'	3 5/8"x6 1/2"x2'-2"	2 - 1/4"	6 - 3/8"	215'
100'	3 5/8"x6 1/2"x2'-2"	2 - 1/4"	6 - 3/8"	220'
105'	3 5/8"x6 1/2"x2'-2"	2 - 1/4"	6 - 3/8"	230'
110'	3 5/8"x6 1/2"x2'-2"	2 - 1/4"	6 - 3/8"	230'
115'	3 5/8"x7"x2'-2"	2 - 1/4"	6 - 3/8"	230'

(2) Bonding to Anchor Plate not required.

APPROVED BY BRIDGE ENGINEER *Scott J. Smith* DATE *4/2/10*

OKLAHOMA DEPT. OF TRANSPORTATION
BRIDGE STANDARD (ENGLISH)
BEARING DETAILS
TYPE IV AND TYPE BT-72 P.C. BEAMS
CONVENTIONAL

2009 SPECIFICATIONS | B40 -C-BRG-PC4BT | 01E
B-397E