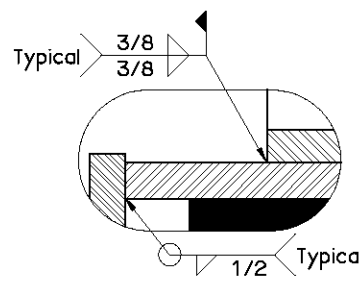
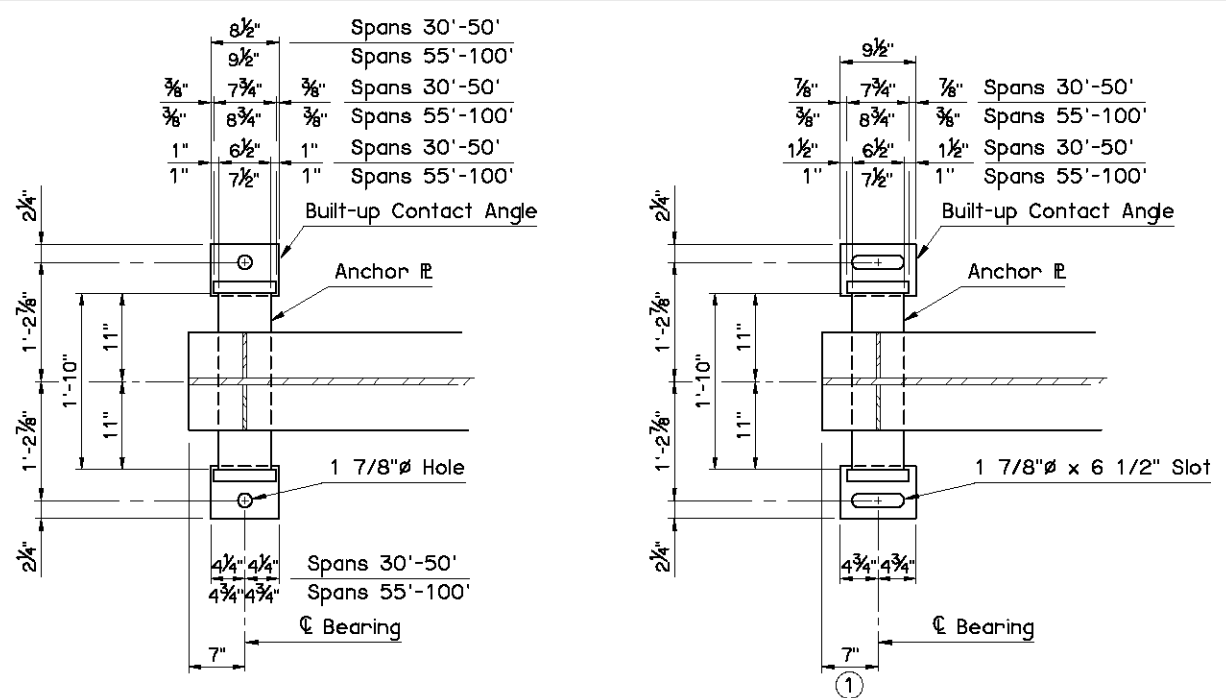


**BUILT-UP CONTACT ANGLE DETAIL**



**DETAIL A**

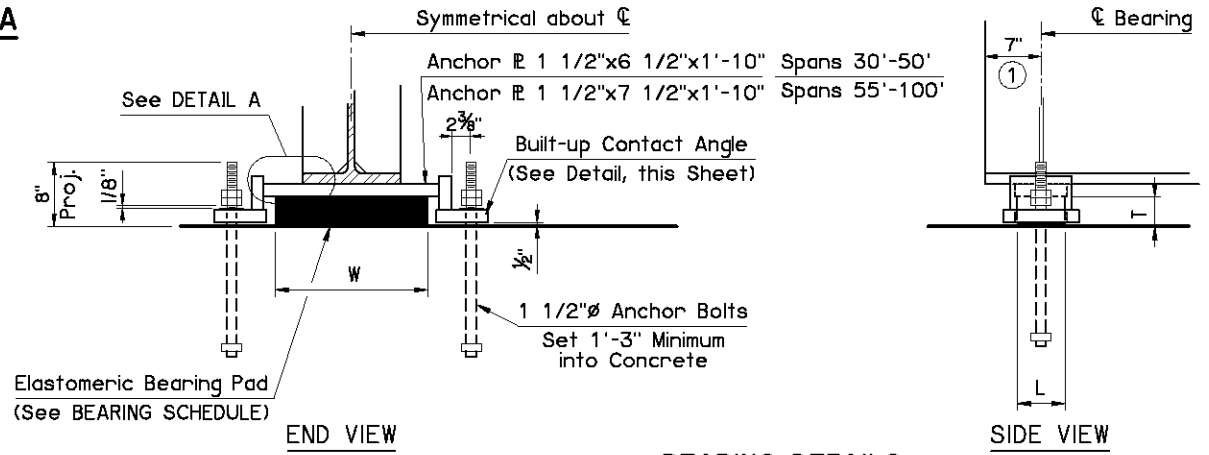
**BEARING ASSEMBLY NOTES:**  
 Provide structural steel for Anchor Plates and Built-up Contact Angles in accordance with ASTM A240 (Austenitic Stainless Steel, Type 316, Charpy V-Notch testing not required). For Anchor Bolts, provide continuously threaded bars in accordance with ASTM A320, Class 2, Grade 8.8 (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.



**FIXED BEARING PLAN**

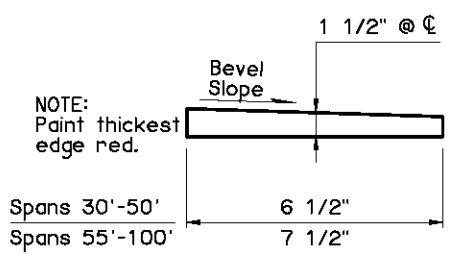
**EXPANSION BEARING PLAN**

① Center Anchor Bolts in slots during setting of beams. Dimension may vary depending on temperature at the time of beam setting.



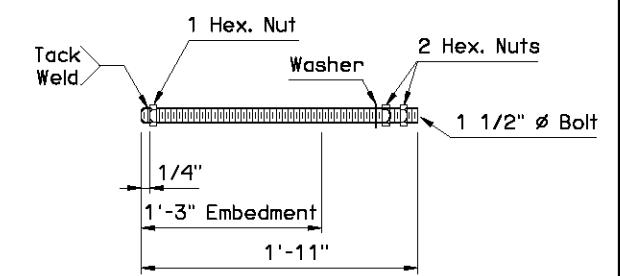
**BEARING DETAILS**

BEARING SCHEDULE						
SPAN	60 DUROMETER ELASTOMERIC BEARING PAD			MAXIMUM EXPANSION LENGTH WITHOUT BONDING	MAXIMUM EXPANSION LENGTH WITH BONDING ②	
	SIZE (T x L x W)	COVER LAYER	INNER LAYER			LAMINATE PLATE
30'	4 1/8"x5 1/2"x1'-7"	2 - 1/4"	7 - 3/8"	8 - 1/8"	115'	255'
35'	4 1/8"x5 1/2"x1'-7"	2 - 1/4"	7 - 3/8"	8 - 1/8"	135'	255'
40'	4 1/8"x6"x1'-7"	2 - 1/4"	7 - 3/8"	8 - 1/8"	140'	255'
45'	4 1/8"x6"x1'-7"	2 - 1/4"	7 - 3/8"	8 - 1/8"	160'	255'
50'	4 1/8"x6"x1'-7"	2 - 1/4"	7 - 3/8"	8 - 1/8"	180'	255'
55'	3 5/8"x6"x1'-7"	2 - 1/4"	6 - 3/8"	7 - 1/8"	180'	225'
60'	3 5/8"x6"x1'-7"	2 - 1/4"	6 - 3/8"	7 - 1/8"	195'	225'
65'	3 5/8"x6"x1'-7"	2 - 1/4"	6 - 3/8"	7 - 1/8"	215'	225'
70'	3 5/8"x6"x1'-7"	2 - 1/4"	6 - 3/8"	7 - 1/8"	225'	225'
75'	3 5/8"x6 1/2"x1'-7"	2 - 1/4"	6 - 3/8"	7 - 1/8"	225'	225'
80'	3 5/8"x6 1/2"x1'-7"	2 - 1/4"	6 - 3/8"	7 - 1/8"	225'	225'
85'	3 5/8"x6 1/2"x1'-7"	2 - 1/4"	6 - 3/8"	7 - 1/8"	225'	225'
90'	3 5/8"x7"x1'-7"	2 - 1/4"	6 - 3/8"	7 - 1/8"	225'	225'
95'	3 5/8"x7"x1'-7"	2 - 1/4"	6 - 3/8"	7 - 1/8"	225'	225'
100'	3 5/8"x7"x1'-7"	2 - 1/4"	6 - 3/8"	7 - 1/8"	225'	225'



**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.



**ANCHOR BOLT DETAIL**

② Bond to Anchor Plate in accordance with Subsection 733.06.B of the Standard Specifications.

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

OKLAHOMA DEPT. OF TRANSPORTATION  
 BRIDGE STANDARD (ENGLISH)  
**BEARING DETAILS**  
 ROLLED BEAMS  
 CONVENTIONAL

2009 SPECIFICATIONS | B40-C-BRG-RB | 01E | B-399E