

TABLE 1

Bearing Line 2-N, Girder 1 $\frac{3}{8}$ " Bearing Line 2-N, Girder 6 $\frac{1}{4}$ "

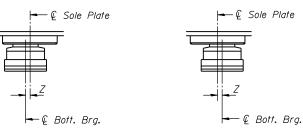
ANCHOR BOLT DETAILS

Bolt Dia. x Length**	Plate Washer
³ 4" x 12"	2"x2"x ⁵ 16"
1" x 12"	2 ¹ ₄ "x2 ¹ ₄ "x ⁵ ₁₆ "
1 ¹ 4" x 15"	2 ³ 4"x2 ³ 4"x ⁵ 16"

**Length shown is minimum required embedment length.

NOTES:

- 1. The Structural Steel for the top & bottom bearing plates shall be AASHTO M270 Grade 50.
- 2. For anchor bolt type and details see Bearing Dimensions Table.
- 3. Top & bottom plates, threaded studs, washers & shim plates are included in the cost of the Bearings.
- 4. Anchor bolts for bearings shall be placed in holes drilled in the concrete through holes in the bottom bearing plate after members are in place.
- 5. Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.
- 6. The 'g'' PTFE sheet shall be bonded directly to the piston with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMM-A-134, Type I. The bond agent shall be applied on the full area of the contact surfaces.
- 7. Two $^{l}_{8}$ in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.
- 8. Work this sheet with sheet S-109.
- All (embedded and separate) bearing plates, anchor bolts, nuts, washers and pintles shall be galvanized according to AASHTO M111 or M232 as applicable.
- 10. If base cylinder is recessed into the bottom bearing plate, the thickness of the bottom plate shall be Tb plus the depth of the recess.

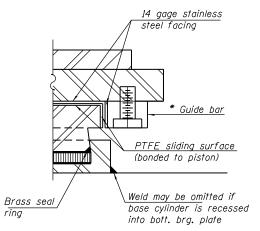


<u>BELOW 50° F.</u> (Move bott. brg. away from fixed brg.)

<u>ABOVE 50° F.</u> (Move bott. brg. toward fixed brg.)

SETTING ANCHOR BOLTS AT EXP. BRG.

 $Z={}^{\prime}g^{\prime\prime}$ per each 100' of expansion for every 15° temp. change from the normal temp. of 50° F.



DETAIL A

* As alternates to the bolted connection shown, the guide bars may be connected to the top bearing plate by groove welds or the guide bars and top bearing plate may be fabricated as a single piece.

BASE PLATE HOLE TABLE

Anchor Bolt Ø	Max. Hole Ø		
3 ₄ "	14"		
1"	1 ¹ 2"		
14"	134"		

AECOM

 USER NAME =
 floresg
 DESIGNED - ATB
 REVISED

 CHECKED - EJO
 REVISED

 PLOT SCALE = N.T.S.
 DRAWN - MRK
 REVISED

 PLOT DATE = 5/7/2014
 CHECKED - ATB
 REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXPANSION POT BEARING DETAILS I
STRUCTURE NO. 016–1705

SHEET NO. S-108 OF S-165 SHEETS

F.A.I. RTE.	SECTION			COUNTY	TOTAL SHEETS	SHEE NO.	
90/94/290	2013-010R				COOK	747	424
					CONTRACT	NO.	60W2
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