

BEARING ASSEMBLY DIMENSIONS

Member	Dimension	Location - Pier 4									
		Girder 1	Girder 2	Girder 4	Girder 5	Girder 6	Girder 7	Girder 8	Girder 10	Girder 11	Girder 1
Top Plate	Tn	60	60	60	60	60	60	60	60	60	60
	Tt	65	65	63	63	63	63	63	63	63	63
	Τs	70	70	65	65	65	65	65	65	65	65
Bearing	Th	308	308	306	306	306	306	306	306	306	306
Assembly				-		1			1		

FLOATING EXP. BRG. LOCATIONS Unit Location No. of Brgs. Req'd

1 Pier 4

BEARING DESIGN INFORMATION

Design	Location		
Information	Pier 4		
Vertical Design Load (kN)	1985		
Pay Item Size (kN)	2000		
Total Required Movement (mm)	104		

Vertical Design Load = Total Vertical Dead Load + Live Load (No Impact)

DESIGNED TRL JJK CHECKED _JJK CHECKED

ILLINOIS DEPARTMENT OF TRANSPORTATION I-94 EAST BOUND / IL 394 SOUTH BOUND FLOATING EXPANSION BEARINGS

4. See sheet No. 60 of 91 sheets for Anchor Bolt

1. All dimensions are in millimeters (mm) except

2. The structural steel for the top and bottom bearing plates shall be AASHTO M 270M

3. Cost of top and bottom bearing plates, 3mm Elastomeric Neoprene, shim plates and threaded studs with washer shall be included with Floating

SB IL ROUTE 394 OVER THORN CREEK F.A.P. 332 SECTION (02033.1 & 0312-708W) R-3 COOK COUNTY STA. 440+704.350 STRUCTURE NO. 016-2800

DATE JUL 18, 2005 SCALE ---

as shown.

Grade 345.

Bearinas.

Installation.

HNTB