

Wh/2

BOTTOM BEARING PLATE AND BASE CYLINDER PLAN

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70 (Typ.)

Note: Bottom Plate and cylinder are parallel to € Direction of Movement, and not parallel to @ Girder.

BEARING DESIGN INFORMATION

273

228

Design Information	Location			
	W. Abut.	Pier 1	Pier 5	E. Abut.
Vertical Design Load (kN)	519	1346	1332	556
Pay Item Size (kN)	750	1500	1500	750
Total Required Movement (mm)	130	101	74	105

Assembly

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

- bearing plates shall be AASHTO M 270M Grade 345.
- 3. Cost of top and bottom bearing plates, 3mm Elastomeric Neoprene, shim plates and threaded studs with washer shall be included with Floating Bearings.
- 4. For anchor bolt type and details, see Anchor Bolt Details Sht. No. 21 of 21 Shts.

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

FLOATING EXPANSION BEARINGS

EB I-94 OVER THORN CREEK F.A.I. 94 SECTION 2004-133F COOK COUNTY

STA. 20+509.000 STRUCTURE NO. 016-2807 DATE 05/16/05 SCALE

HNTB

DESIGNED

CHECKED

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