

## Base Cylinder (Pot) © Direction of Movement (see Bearing Orientation Detail Sheet) —Bottom Bearing Plate 52 mm \$\phi\$ Hole (Typ.) 70 (Typ.) Wb/2

## BOTTOM BEARING PLATE AND BASE CYLINDER PLAN (Abutments)

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

DESIGNED	TRL
CHECKED	JJK
DRAWN	LK
CHECKED	JJK

# Base Cylinder (Pot) Separation of Movement (see Bearing Orientation Detail Sheet) Detail Sheet) Bottom Bearing Plate To Wb/2 Wb BOTTOM BEARING PLATE

AND BASE CYLINDER PLAN
(Plers 1 & 5)

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

==	AMINO	A J J L IVI L		dies.	
Member	Dimension	Location			
		W. Abut.	Pier 1	Pler 5	E. Abut.
Top Plate	W†	480	510	510	480
	Lt	450	580	580	450
	Tt	40	55	55	40
Bearing	D	255	350	350	255
	L	255	350	350	255
	T	130	150	150	130
Bottom Plate	Wb	750	750	750	750
	Lb	310	400	400	310
	Tb	55	65	65	60
Bearing					
Assembly	Th	228	273	273	233

## BEARING DESIGN INFORMATION

	710 DE010	,,, <u>,,,,</u>	1111111111				
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			

Note:

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

### Notes

- All dimensions are in millimeters (mm) except as shown.
- The structural steel for the top and bottom bearing plates shall be AASHTO M 270M Grade 345.
- 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. 31 of 56 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 (0203.1 & 0312-708W) R-3

COOK COUNTY STA. 20+509.000 STRUCTURE NO. 016-2807

DATE JUL 18, 2005 SCALE ---

HNTB

E:\34562\CADD\bi\SN\_28@7\cds\CTR\_19\_28@7\br198824e