



**Bridge Bearing Load Data for 30m Span of Br. No. 44 & 53**

			NORMAL	LONG. SEISMIC	TRANS SEISMIC	
Project /Structure Name			9372			
Bearing Identification Mark/Number			FIXED TYPE			
Qty. required for each type			3 NOS PER SPAN			
SEATING MATERIAL	Upper Surface		STEEL GRADE E250			
	Lower Surface		CONCRETE GRADE M40			
Design load (MT)	Serviceability Limit State	Vertical	Mkax.	189	263	346
			Parmanent	91	91	91
			Min.	86	37	-21
		Longitudinal		34	277	17
		Transverse		-	-	165
Rotation (Rad)	Serviceability Limit State	Irreversible	Longitudinal	0.002102	0.002102	0.002102
			Transverse	-	-	-
	Reversible	Longitudinal	0.00123	0.00123	+ 0.00302	
		Transverse	-	-	- 0.00056	
Maximum available Structure Dimensions for Dispersion (mm)	Upper Surface	Longitudinal	550			
		Transverse	600			
	Lower Surface	Longitudinal	900			
		Transverse	1670			
	Overall Height Clearence (Pedestal+Brg.)		334			
Bearing Dimensions Restrictions (if any) (mm)	Upper Surface	Longitudinal	550			
		Transverse	600			
	Lower Surface	Longitudinal	600			
		Transverse	1370			
	Overall Height		184			

FOR KAMEE  
DOT-PTFE



**Stup Consultants P. Ltd.**

Kolkata - 17

Date: 12/18/15 Page

Designed By SGB Checked: SSG

**Bridge Bearing Load Data for 30m Span of Br. No. 44 & 53**

				NORMAL	LONG. SEISMIC	TRANS SEISMIC	
Project /Structure Name		9372					
Bearing Identification Mark/Number		SLIDING GUIDED TYPE					
Qty. required for each type		3 NOS PER SPAN					
SEATING MATERIAL	Upper Surface		STEEL GRADE E250				
	Lower Surface		CONCRETE GRADE M40				
Design load (MT)	Serviceability Limit State	Vertical	Max.	189	263	346	
			Parmanent	91	91	91	
			Min.	86	37	-21	
		Longitudinal			-	-	-
		Transverse			-	-	165
Translation (mm)	Serviceability Limit State	Irreversible	Longitudinal	3	3	3	
			Transverse	-	-	-	
		Reversible	Longitudinal*	+3 ± T	+3 ± T	+6 ± T -3 ± T	
			Transverse	-	-	-	
Rotation (Rad)	Serviceability Limit State	Irreversible	Longitudinal	0.002102	0.00122	0.002102	
			Transverse	-	-	-	
		Reversible	Longitudinal**	0.00123	0.00123	+ 0.00302 - 0.00056	
			Transverse	-	-	-	
Maximum available Structure Dimensions for Dispersion (mm)	Upper Surface	Longitudinal		550			
		Transverse		600			
	Lower Surface	Longitudinal		900			
		Transverse		1670			
	Overall Height Clearance (Pedestal+Brg.)			334			
Bearing Dimensions Restrictions (if any) (mm)	Upper Surface	Longitudinal		550			
		Transverse		600			
	Lower Surface	Longitudinal		600			
		Transverse		1370			
	Overall Height			184			

\*T= Elongation due to temperature variation = ± 10mm

\*\* Total max rotation = 0.002102 + 0.00123 = 0.00333