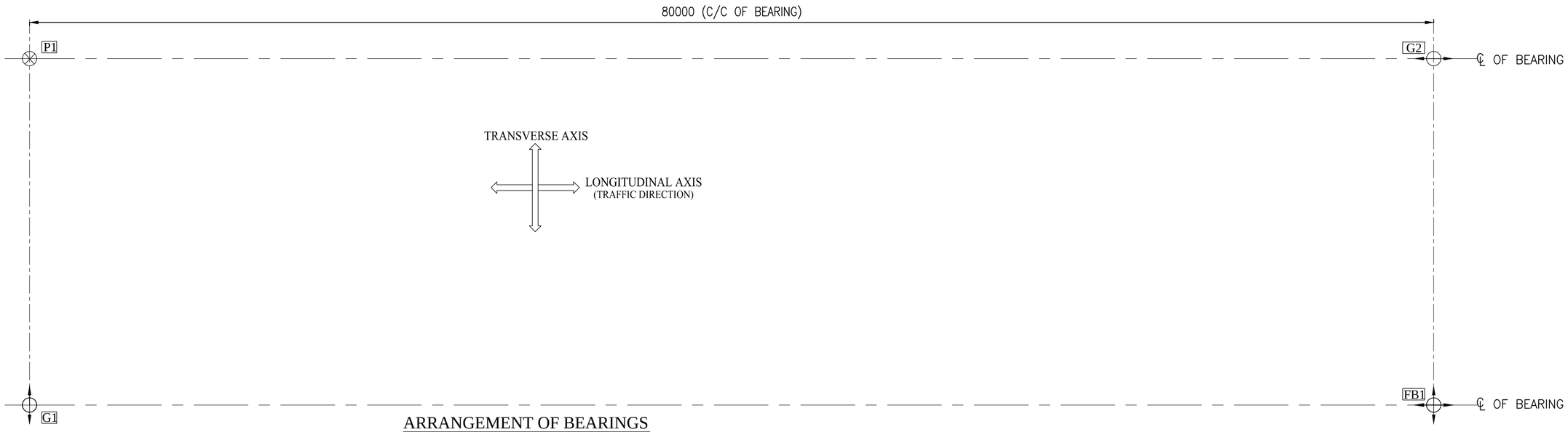

ARRANGEMENT OF BEARINGS

Sl. No	Bearing Type	Load Condition	Coexisting Loads, Forces,Movement and Rotation Data										Qty. (Nos.)
			Vertical Load (kN)		Horizontal Force (kN)				Rotation (Rad)		Movement (mm)		
			Case	Magnitude	Longitudinal		Transverse		Case	Magnitude	Longitudinal	Transverse	
					Case	Magnitude	Case	Magnitude					
(I)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
P1	Pot fixed bearing	Normal	Maximum	7847	Coexisting	844	Coexisting	-	Coexisting	-	-	-	1
			Minimum	0	Coexisting	844	Coexisting	-	Coexisting				
		Seismic/Wind	Maximum	5629	Coexisting	939	Coexisting	-	Coexisting				
			Minimum	0	Coexisting	939	Coexisting	-	Coexisting				
		Seismic/Wind	Coexisting	5629	Maximum	939	Coexisting	0	Coexisting				
		Seismic/Wind	Coexisting	0	Coexisting	939	Maximum	1062	Coexisting				
G1	Transversely guided pot - PTFE bearing	Normal	Maximum	7847	Coexisting	844	Coexisting	-	Coexisting	0.36	-	6	1
			Minimum	0	Coexisting	844	Coexisting	-	Coexisting				
		Seismic/Wind	Maximum	5629	Coexisting	939	Coexisting	-	Coexisting				
			Minimum	0	Coexisting	939	Coexisting	-	Coexisting				
		Seismic/Wind	Coexisting	5629	Maximum	939	Coexisting	-	Coexisting				
G2	Longitudinally guided pot -PTFE bearing	Normal	Maximum	7847	Coexisting	-	Coexisting	-	Coexisting		82	-	1
			Minimum	0	Coexisting	-	Coexisting	-	Coexisting				
		Seismic/Wind	Maximum	5629	Coexisting	-	Coexisting	-	Coexisting				
			Minimum	0	Coexisting	-	Coexisting	-	Coexisting				
		Seismic/Wind	Coexisting	5629	Maximum	-	Coexisting	0	Coexisting				
		Seismic/Wind	Coexisting	0	Coexisting	-	Maximum	1062	Coexisting				
FB1	Free Pot PTFE bearing	Normal	Maximum	7847	Coexisting	-	Coexisting	-	Coexisting		82	6	1
			Minimum	0	Coexisting	-	Coexisting	-	Coexisting				
		Seismic/Wind	Maximum	5629	Coexisting	-	Coexisting	-	Coexisting				
			Minimum	0	Coexisting	-	Coexisting	-	Coexisting				

NOTES:
THIS DRAWING IS APPLICABLE FOR FOLLOWING CHAINAGES:-
1. CH.14+850
2. CH.23+620
3. CH.35+120

Revision Details	Chk / By	Date	Suffix

Project Title
Consultancy Services for carrying out Feasibility Study, Preparation of Detailed Project Report (DPR) and providing pre-construction services in respect of 4 Laning of **Kohima Bypass** connecting NH-39 (New NH-02) ,NH-150 (New NH-02), NH-61 (New NH-29) and NH-39 (New NH-02) on Engineering, Procurement and Construction (EPC) mode in the state of Nagaland

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Original Size: A2
Path -
Plotting Scale:

Client
National Highways & Infrastructure Development Corporation Ltd

Drawing Title: BEARING LAYOUT DRAWING
BRIDGE FOR 1X81.5M AT (CH.4+020)

Drawing No.:HEC-AIPPL/NHIDCL/KB/GAD/S-701 | Sheet : 01 OF 01
Scale :- NTS

Drn	Dgn.	Appd	Date
YASHPAL	GAURAV SINGH	M.P.SINGH	FEB.-2018

CONSULTANT
HIGHWAY ENGINEERING CONSULTANT
IN ASSOCIATION WITH
AGNITIO INFRASTRUCTURE PROJECTS PVT LTD