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PROJECT NAME: TELKWA 62.2  
 BULKLEY RIVER CROSSING, WIDENING OF 24.0m SPAN, TPG BRIDGE  
 TASK: 6. SUPERSTRUCTURE ANALYSIS AND DESIGN  
 SUBTASK: 6.5.TPG BEARINGS

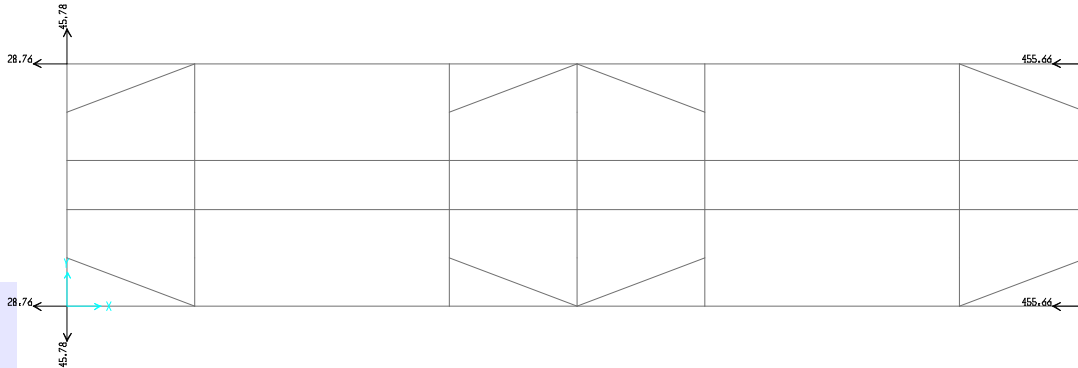
JOB NUMBER: CNRAIL0802  
 DESIGNED: CHECKED  
 DGT  
 DATE: DATE:  
 5-Aug-08

REFERENCES:

Appendix A.6.5.

CN GUIDELINES FOR DESIGN OF RAILWAY STRUCTURES  
 S15m  
 STANDARD BEARINGS

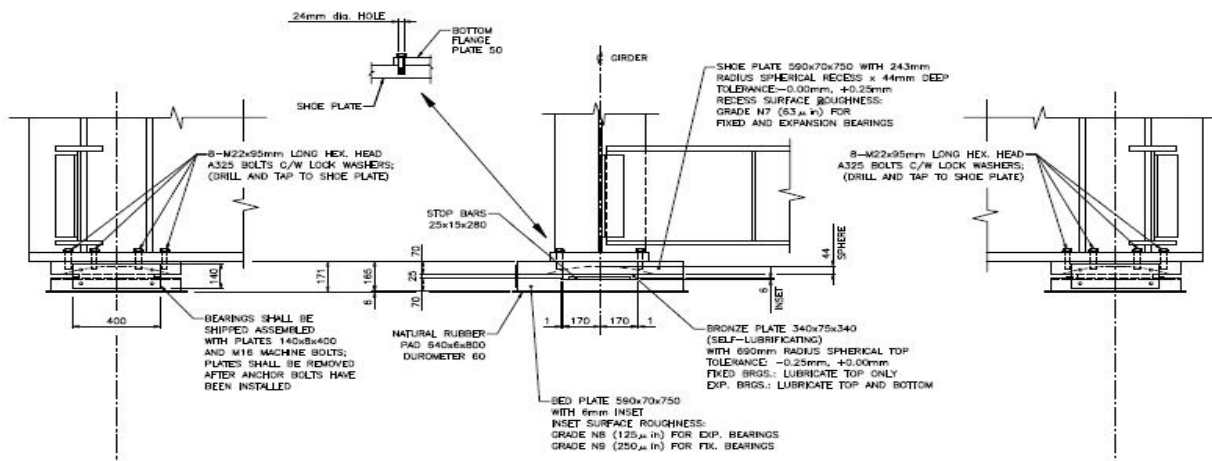
See appendix A.6.5.



Bearing reactions

Rv <sub>sup_dead</sub> =0.5*0.5*43.29*23.13=		<b>250.32 kN</b>	
Rv <sub>ballast_dead</sub> =0.5*0.5*50.364*23.13		<b>291.23 kN</b>	
Rv <sub>sup_live</sub> =		<b>1200.88 kN</b>	
Rv <sub>sup_live_impact</sub> =		<b>350.69 kN</b>	
Rv <sub>sup_wind_loaded</sub> =1.5*0.5*23.13*3.4387	.-+	<b>59.65 kN</b>	
Rv <sub>sup_wind_un_loaded</sub> =1.5*0.5*23.13*1.458	.-+	<b>25.29 kN</b>	
Rv <sub>traction</sub>	.-+	<b>31.46 kN</b>	
<b>Rv<sub>max</sub></b>		<b>2152.78 kN</b>	<b>O.K.</b>
<b>HI<sub>tract</sub></b>	<b>455.66</b>	<b>455.66 kN</b>	<b>O.K.</b>
<b>Hwind_loaded</b> =1.5*0.5*4.146*23.13	.-+	<b>71.92 kN</b>	<b>O.K.</b>
<b>Hwind_un_load</b> =1.5*0.5*3.24*23.13	.-+	<b>56.21 kN</b>	

GET THE BEARING HERE





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Data provided by the bearing manufacturer:

<u>BEARING LOADS</u>	
	ALLOWABLE
V <sub>DL,max.</sub>	
V <sub>LL+I</sub>	
V <sub>max.</sub>	2428 kN
H <sub>Long.</sub>	466 kN
H <sub>LAT,max.</sub>	466 kN