

**Oromiya Construction Bureau**  
**Check list for Bridge Design Approval**

Project Name: \_\_\_\_\_

No of Span: \_\_\_\_\_

Span Length: \_\_\_\_\_

Description	Available	Not Available	Recommendation
<b>Design Data</b>			
<b>Preliminary Dimension</b>			
<b>Super structure design</b>			
• Deck for depth and RC			
• Girder for depth and RC			
• No of Girder			
• Cross beam for the depth and RC			
<b>Bearing design</b>			
<b>Sub-structure design</b>			
• Abutment			
○ Resisting load			
○ Acting load			
○ Safety factor against			
▪ Sliding			
▪ Over turning			
• Footing Pad			
○ Depth of section			
○ Reinforcement			
▪ Min AS			
▪ As provided			
▪ Spacing			
• Shear force			
○ Acting shear			
▪ Punching shear			
▪ Wide beam shear			
○ Resistance shear			
<b>Hydrological Data</b>			
• Elevation			
○ Free board			
○ NGL			
○ WL			
○ Height of Abutment			
○ Pad Invert Elevation			
<b>Drainage of Bridge</b>			
<b>Soil Data</b>			
• q all			
• Soil test for q all			

