

2.3 Design a Pedestrian Bridge for the Disabled

Design another bridge from the same scenario but this time for wheelchairs, and physically challenged persons.

2.3 Design brief

Design and build a pedestrian bridge. Disabled people, learners and community members from the village must be able to use the bridge to cross the river safely. You will need to think about the way in which wheelchairs work, as this will help you when you design the bridge.

Specifications for the bridge:

- The bridge should be constructed within six months.
- It should cost no more than five million rand.
- The winning tender must undertake to employ local people to work on the project.
- Take care of the following equity issues in the final design:
 - the gender of the people to be employed
 - physically challenged people.

Bear in mind:

- the total length of the bridge
- the height and width of the bridge
- the purpose of the bridge as this will affect the design.