

Submersible Bridges

If flooding is a regular occurrence, building a bridge that is designed to submerge beneath the water during extreme weather events can be the most practical and cost-effective solution.

Our low level concrete submersible bridges are built to handle a full highway load (HN HO-72) and withstand being over-topped several times a year. They are designed to maintain both water flow and fish passage and are considered a relatively low risk from a flood hazard perspective.

Installation of these slim profile bridges is very straight-forward, and their low level can often avoid the need to obtain building consent.

Features:

- Robust units
- Adaptable to different crossing widths and alignments
- Designed to allow for debris and hydraulic loads
- Can be relocatable in some cases
- Can be used (site dependent) in place of a larger span bridge required to clear flood heights, making it a more cost-effective solution

- Suitable for heavy vehicles 0.85 HN with a maximum axle loading of up to 7.5 tonne for single axle and 15 tonne for dual axle loading
- Can be designed to full highway HN HO 72 loading, suitable for heavier, more frequent traffic
- Clear spans up to 12m, typical depth 350mm

IDEAL FOR >

Locations where it's not viable for a bridge to sit above the required flood level

Waterways which flood multiple times a year

Sites with a good rock layer (not erodible soils)



Aratu Forest Ltd, Kopua South
Low Level Submersible bridge

Aratu Forest Ltd
10m x 4m submersible bridge



BRIDGE IT NZ