



NZ TRANSPORT AGENCY  
WAKA KOTAHI



**BAILEY BRIDGE SERVICE**



## What is a bailey bridge?

A bailey bridge is a modular form bridge system that is versatile and relatively quick to erect and dismantle. It provides single lane vehicle access for temporary or semi-permanent use.

The basic component of a bailey bridge is a three-metre long truss panel. This can be configured to provide variable span lengths and cater for a range of loads.

NZ Transport Agency (NZTA) bailey bridges are available for commercial hire to all interested users, including private companies and individuals. The NZTA owns more than 3000 tonnes of bailey bridge components.

A 30m single span bailey bridge could be delivered, erected and in use within one week of acceptance of the terms detailed within the standard hire agreement.

## What can a bailey bridge be used for?

Over the past 40 years, these bridges have been used for the following:

- rapid replacement of collapsed bridges, 3m to 200m long
- temporary bridging of drop outs to allow the re-opening of roads washed out in storms
- cost effective temporary structures for road construction projects
- provision of minor stream crossings and other non-emergency situations (e.g. filming locations).

## Who can use this service?

The NZTA offers this service to:

- NZTA regional offices
- contractors
- consultants
- roading authorities and
- private businesses

## What does the NZTA bailey bridge service provide?

The service includes design, transportation of components, on-site construction, inspection, maintenance and dismantling of the bridge's superstructure.

## How much will it cost?

All hirers, including the NZTA, are required to pay for:

- transport
- construction
- dismantling
- monthly hire and
- inspections

The hire charge is based on the weight of components used, plus transport and construction services. A tonne is about the equivalent of a one metre length of bridge. A cost estimate can be provided on request.

Hirers operate under a standard hire agreement with the NZTA.

The NZTA operates this service as a non-profit making scheme. The hire charge is used to fund the storage and maintenance of the components.

Local authorities and the NZTA may apply for financial assistance if they need bailey bridges on public roads in emergency situations.

## Contact details

For general enquiries contact:

**The bailey bridge project manager**

**Tel:** 64 4 894 5400 or

for out of hours contact details go to the NZTA website

[www.transit.govt.nz/technical\\_information/index.jsp](http://www.transit.govt.nz/technical_information/index.jsp)

Then select Bailey Bridge Services

[newzealand.govt.nz](http://newzealand.govt.nz)