

ABSEIL ACCESS LTD

Reference Project

Suspension Bridge Design & Construction

Location: Lyell Creek, Buller Gorge

Date: March 2012

Client: Mokohinui Trust

Design: Abseil Access Ltd

The Old Ghost Road cycle track project starts at the camp ground at the historic Lyell Creek on SH6. The Mokohinui Lyell Backcountry Trust engaged Abseil Access to design and build a 38m suspension bridge across the scenic gorge. The 900mm wide deck meets the requirements for use as a cycleway.

The design incorporated using the rock wall on the true right for high anchor points. Four-metre deep anchors were drilled and proof tested to 150kN.

The true left side required a low tower and a buried 15-ton concrete deadman. The construction was completed within the allocated two weeks.

The bridge was load tested with a two-ton water bag on completion. The bridge is rated for five persons.



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