

ABSEIL ACCESS LTD

Reference Project

Suspension Bridge Construction

Location: Pillars of Hercules, Kaimanawa Forest Park

Date: May 2006

Client: Department of Conservation



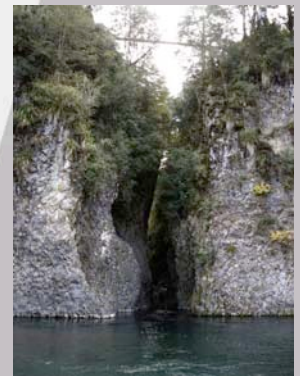
The Pillars of Hercules is a 40m deep gorge that the Tongararo River passes through. It is a popular scenic view point and part of a mountain bike loop track.

Abseil Access Ltd won the tender to manufacture and install the 68m long suspension bridge which spans 44m across the top of the gorge.

The project involved digging tower foundations and an anchor block trenches 2m deep. 5m³ of 20mpa concrete was poured to secure the 4 anchor rods and 6m towers. A helicopter was required for transportation of the digger, timber components and concrete pouring.

The 22mm galvanised cables support 21 steel hangers and timber planks. An areal cable way and rope access skills were required to install these heavy items over the deep gorge.

The new bridge was used to lift the old bridge away which was 15m below. A six point self-equalising suspension point was required to spread the 1000kg load equally about the mid point of the new bridge.



ABSEIL ACCESS LTD

15 Bute Street

P.O. Box 10717, Wellington

Phone and Fax: 04 801 5336

www.abseilaccess.co.nz

info@abseilaccess.co.nz

DJ Matheson 0274 449 774

djmatheson@abseilaccess.co.nz

Martin Wilson 0274 495 408

mwilson@abseilaccess.co.nz