



NEVIS BLUFF SLOPE STABILISATION ROCKFALL PROTECTION ABOVE SH6

Gibbston Valley, New Zealand



AWARDED NZ CONTRACTORS FEDERATION 2013 SAFETY AWARD CATEGORY B (PROJECTS UP TO \$5M)

PROJECT OVERVIEW:

Geovert were selected as the preferred Principal Contractor by NZTA with a proven track record for delivering complex geotechnical construction work along the State Highway network. Having worked on the face of the Nevis Bluff for over 13 years, NZTA ensured a contractor was selected with not only the technical capacity to deliver the works without relying on subcontractors, but also for the management of project risks lessening potential disruption to the NZTA asset and road users.

Stabilisation of two unstable rock mass features known as Zeus Column and The Cling-on. The sites were located 170m vertical above the busy state highway with a key aspect of the project to minimise disruption to traffic.

SOLUTION:

Traffic disruption was kept to a minimum with much of the work able to be completed with full road open. This was achieved by the installation of a Geovert designed temporary rockfall barrier below the work areas which withstood multiple impacts.

Contract work involved horizontal and vertical rock drilling, blast removal of 700m³ of unstable rock, scaling and installation & testing of 900 lm of rock bolts. Anchors were post tensioned to 520 kN. Careful consideration was given to the blast design to minimise back blast damage while maximising the volume of material removed with each blast.

AWARDS:

Geovert were awarded the NZ Contractors Federation 2013 Safety Award Category B (projects up to \$5M) for this project.

Services related to this project

- Drill & Blast
- Rockfall Protection Barriers
- Rock Bolting
- Active Slope Stabilisation
- Scaling
- Rockfall Drape Mesh
- Post Tensioned Ground Anchors

More information is available online at www.geovert.com