



DIANA FALLS, NEW ZEALAND

Rockfall Protection

Diana Falls

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Project	Diana Falls
Location	Haast
Country	New Zealand
Year of installation	2014
Customer	NZTA
Engineering	Geovert
Contractor	Opus & Sicon Fergusson

Initial situation Heavy rain cause a 40'000 cubic metre slip to completely close SH6 for several weeks in September 2013. Once cleared the road remained closed at night due to the continued high risk of rockfall from over 250 m up the slip face. Some of the unstable rocks were larger than 20 foot shipping containers.

Description Geovert was awarded the contract to design and build a bespoke rockfall protection solution above the State Highway to actively control the frequent high energy rockfalls. The best solution for the site was the construction of a 5m high 3000 kJ and two 6 m high 5000 kJ Geobrugg attenuator barriers. The 3000 kJ system was installed over 250m above the highway, the first of the 5000 kJ system was installed 150 m up and the final and largest barrier was installed around 50 m above the road. The bottom rockfall attenuator was a massive structure with a 35 t high tensile steel ROCCO ring net drape to control and channel the falling rocks and debris to the roadside for the maintenance crew to clear.

Watch the clip of [NZTransportAgency](#)

Protected object	Road
Energy absorption capacity	3000 kJ, 5000 kJ
System height	5.0 m, 6.0 m
System length	40 m - 60 m

For questions please contact our Geobrugg specialist at your side

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