

# Reference Project

# Geotechnical Slope Stabilisation

## SH1 Ngauranga Gorge Rock Fall Mitigation and Bench Maintenance

**Location** SH1 Ngauranga Gorge  
**Date** November 2020 – January 2021  
**Client** Capital Journeys/Waka Kotahi NZTA  
**Consultant** WSP Wellington

Abseil Access successfully delivered the SH1 Ngauranga Gorge Rock Fall Mitigation during an extended SH1 lane closure over the New Year holiday period. It is part of a resilience works variation in the Wellington Region Network Outcomes Contract (NOC) managed by Capital Journeys.

**The work included:**

- State Highway rolling lane closures for 7 helicopter lifting operations.
- 352m of ground-based drilling, suspended A-frame drilling, excavator mounted drilling.
- Stakeholder and sub-contractor management.
- Traffic control and debris removal
- Difficult access earthworks to safely move approx. 200m<sup>3</sup> off benches above the live highway.
- 2110m<sup>2</sup> of Maccaferri HR50/HR30 Drape mesh installation

The priority for this scope was minimising the impact on the public by completing this over the New Year’s holiday period as this is one of the highest volume roads in Wellington. Abseil Access took an extremely innovative approach to access and time works precisely to minimise downtime. This successful collaborative effort between Capital Journeys, WSP, and Waka Kotahi NZTA has resulted in a safer southbound commute to the city for both cyclists and motorists.

