

# CASE STUDY

## SH59 3 SISTERS SLOPE REMEDIATION

✉ info@abseilaccess.co.nz

🌐 www.abseilaccess.co.nz



## INTRODUCTION

From January to March 2025, Abseil Access was commissioned by the Wellington Transport Alliance, with WSP as consultant, to enhance slope stability at a high-risk site along State Highway 59 near Pukerua Bay, Wellington. The project involved the supply and installation of a Geobrugg ATT-60 hybrid attenuator rockfall catch fence system to mitigate ongoing rockfall hazards caused by the site's steep terrain and complex geological conditions.

## PROCESS

The works began with comprehensive rock scaling and removal of approximately 30m<sup>3</sup> of loose rock and soil material to ensure a safe working environment. This was followed by trial anchor installations and pull-out testing to confirm ground suitability before proceeding with full installation. Abseil Access then completed the installation of rock anchors across the slope and successfully erected a 40-metre hybrid attenuator fence. Despite the unfavourable geological conditions and narrow shoulder width, the team collaborated closely with the design engineer to develop safe and efficient installation solutions.

## OUTCOME

The project was completed on time and within budget, overcoming the challenging terrain through strong teamwork and effective problem-solving. The newly installed rockfall catch fence system significantly enhances slope stability and resilience along this vulnerable section of State Highway 59, providing long-term protection for road users and infrastructure.

