Let’s Get Ready to Rubble
Rockfall Preventative Maintenance

What is it?

Proactive method to help prevent rockfall and slips on our BOPE NOC network.

High risk areas are rated with the Rockfall Hazard Rating System formed by NZTA.

A work programme is then developed, reviewed and approved.

- NZTA
- Contractor (Higgins)
- Geotechnical engineers (BECA)
- Specialist (AVALON)
- T.C. and Clean Up (Waiotahi Contractors)
Rockfall Preventative Maintenance
Why we do it?

SAFETY – For you & me
Rockfall Preventative Maintenance

Why we do it?

Reliable Travel Times and Route Security

Waioeka Gorge, between Opotiki and Gisborne on 14th of June 2016

Waimana Gorge, near Whakatane last week.
Rockfall Preventative Maintenance

How it’s done?

Rockfall Management Process

• Investigations

  Rate using RHRS.
  ID any new or potential sites.
  Use in application and the following stages.
Rockfall Preventative Maintenance

How it’s done?

Rockfall Management Process

• Solutions/Design
  Time, cost and severity.
  De-vegetation, scaling, investigation.
Rockfall Preventative Maintenance

How it’s done?

Rockfall Management Process

• Delivery (Ka BOOM)
  Multiple sub-contractors
  Site health and safety
  Stakeholders, media
Rockfall Preventative Maintenance

How it’s done?

Rockfall Management Process

- Explosives (Oooh)
  
  ‘Senatel Power Frag’ - main composite Ammonium Nitrate Fuel Oil (ANFO).
  
  65kg of explosives.

Typical layout of shot holes Motu 1a
Motu 1a Video

Here comes the BOOM.

- [Avalon Geotechnical Motu Blast.mp4](#)