Emergency Project Maui DOT

Related Rock Stabilization Techniques
How do we do this??

• Over 60,000 vehicles a day
• No alternate route for traffic
• Had to develop an innovative working method for this area
• Ring net testing on Luckstone quarry yielded excellent results
What is Required to Remediate my Final Wall?

- Instrumentation
- Rock Scaling
- Draped Mesh or Ring Nets
- Rock Trimming & Slushing
- Rock Bolting
- Reinforced Shotcrete
- Rock Fall Barriers
Rock Scaling
Rock Scaling
Ring Nets – Short Term/Long Term
Rock Bolting
Rock Bolting
Rock Bolting
Rock Bolting
Reinforced Shotcrete

- Wet or Dry
- Economical Method
- Long Term Stability
Reinforced Shotcrete
Hybrid Rockfall Barrier

- Janod concept put into practice
- Testing being performed in Italy
- Application unlimited
- Easier to maintain
Final Analysis

- Project was delivered on time and below initial estimates
- Traffic delays and public disturbance was kept to a minimum
- DOT ended up with a short term solution with long term benefits
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