ROCKFALL PROTECTION
Products: HEA PANELS

Problem
The stretch of road on US 97A between Wenatchee and Entiat had a slope that was identified as unstable by the Washington Department of Transportation Slope Management Program. This area required stabilization to prevent potential rockfall events.

The slope was evaluated, rated and analyzed for benefit versus cost and was funded for stabilization. To qualify for funding, a rating of 350, a benefit/cost of 1.0 and an average daily traffic count of 5,000 was necessary. The average daily traffic count below this slope averaged 6,500 vehicles per day and the slope was rated a 405 with a benefit/cost of 1.20.

Solution
To restore the integrity of the slope, these measures were utilized: debris removal, rock scaling, shotcrete application, installation of rock bolts, and Maccaferri’s patented High Energy Absorption (HEA) cable Net Hybrid Attenuator.

The Maccaferri HEA Hybrid Barrier System was chosen because it outperformed all other hybrid barrier systems recently tested by the Colorado Department of Transportation’s full-scale testing. The potential for falling rocks to reach the roadway has been reduced, lowering the risk of injury to travelers and potential damage to vehicles and pavement. This also reduces maintenance costs and avoids costly repairs to the roadway and adjacent railroad tracks.

Client:
WASHINGTON DOT

Main Contractor:
JANOD CONTRACTORS

Designer:
WASHINGTON DOT

Products used:
HEA PANELS AND ATTENUATOR FENCES

Date of Construction:
FEBRUARY 2012 — JUNE 2012
Slope after scaling

Installation

Click here to contact our technical department for assistance on your project.