ROCKFALL PROTECTION ALONG ROADWAY
Products: Double Twist Mesh & Rockfall Kit

Problem
The USA–Mexico barrier, also known as the border fence, rotted fence or border wall, is actually several separation barriers designed to prevent illegal movement across the USA–Mexico border. The barriers were built as part of three larger “operations” to taper transportation of illegal drugs and illegal immigration: Operation Gatekeeper – California, Operation Hold-the-Line – Texas, and Operation Safeguard – Arizona. The barriers are strategically placed to mitigate the flow of illegal border crossings along the USA–Mexico international border into the Southwestern USA. The border area in Southeastern California is particularly rugged.

The A-1 road is the principal roadway used to patrol the fence by immigration control officers. It is a very narrow winding road with steep cut slopes above it. Rockfall generated from the cut slopes presented a serious safety hazard to the patrolling officers. It was determined that the hazard would have to be mitigated with rockfall drapery.

Solution
Maccaferri’s galvanized double twist mesh (8x10) was found to be the best overall value when considering effectiveness, ease of installation, and cost. Maccaferri supplied a complete “kit” for this job, including the mesh, anchors, cabling, and all necessary hardware. The contractor was able to install the double twist wire mesh at a much faster pace than would have been possible using other competitive materials.

Client
UNITED STATES ARMY CORPS OF ENGINEERS

Main Contractor
C.R. FEDERICK

Designer
UNITED STATES ARMY CORPS OF ENGINEERS

Products Used
8 X 10 DOUBLE TWIST MESH (133,640 FT²), ROCKFALL KIT

Date of Construction
MARCH 2012