Stagecoach Road
Project Background

**Heavy Rains of Dec 2002 Trigger Reactivation of Area Already Prone to Rockfall**

- Area Damaged During Storm Events of 2001.
  - Steep Slope, Thin Soil Covering, Highly Fractured Rock, Infiltrating Water Leads to Instability of Slope
  - Rockfall Events and Retreating Scarp Cause Materials to Fall onto Travel way
  - Perched Material Poses Serious Risk of Catastrophic Failure
  - Slope Continues to Erode, with Frequent Boulders entering Travel way
- Road is Highly Used by Local Residents and by Out of Town Visitors, Primarily on Weekends
Stagecoach Road Project
Work Plan

**Site Investigation and Characterization**
- Creation of Access Routes to Top of Scarp
- Monitoring Rate of Scarp Translation and Development of New Scarps
- Characterization of Instability and Sliding Surfaces

**Right of Way and Environmental Clearance**
- USFS Provided Archeological and Biological Surveys, and Amended Roadway Easement to Allow Construction and Maintenance

**Detailed Design**
- Cable Mesh Drapery System
  - Protects Traveling Public from Rockfall, Dissipates Energy, and Collects Rockfall for Easy Removal.
  - Based on Standard Design by Caltrans, Local Experts in Rockfall Prevention and Design
Stagecoach Road Project
Interagency Cooperation

Public Works Department
- Transportation Division
  - Maintenance
  - Engineering
  - Traffic
  - Construction

Local Government Agencies
- USFS-Santa Barbara Ranger District
- Caltrans District 5 Maintenance Design

Contractor
- AIS Construction, Inc.
Stagecoach Road Project
Changing Conditions

**Newly-Developed Scarp**
- An additional Scarp has developed outside of the original footprint of the Cable Mesh Drapery
  - Will Intersect the Scarp already Covered Within Constructed Drapery
  - PW Seeking Board Approval for Contract Change Order to Cover this Additional Area with a Cable Mesh Drapery System

**Rockfall and Boulder Pop-outs**
- Vertical Face Exposed and Eroding, Producing Rockfall
- Boulder Pop-outs are Impacting on Roadway
Stagecoach Road Project
Project Cost and Funding

**Construction Cost**
- Original Construction Contract: $170,650
- Contract Change Order Estimated Cost: $139,600

**Project Funding**
- 100% Measure “D”

**Project Status**
- Pending
Stagecoach Road Project
Current Condition

- Constructed Drapery System Protecting Travel Way
- Road is Currently Closed to Traffic
- Seeking Approval from Board for Additional Coverage