

Blue Ridge Parkway, MM 400.8

Asheville, NC

A slow moving landslide has been occurring at MM 400.8 along the Blue Ridge Parkway since at least 2002. Extremely large tension cracks (large enough to swallow full size oak trees) and bulging of the roadway below the slide were the result of slide movement. The project consisted of re-grading, stabilization, and roadway repair in the vicinity of the landslide. 140 kip and 240 kip, strand tieback anchors were installed in the hillside as patterned ground anchors. Steel plates transferred the load from the tieback anchors to the hillside. Polyurethane resin grouting was performed to seal up fractures in the rock at selected locations.

Owner: National Park Service
General Contractor: Bryant Development
Geotechnical Contractor: WEC



Oak Trees in Tension Cracks

