
West Virginia 4 Landslide Repair

West Virginia

CLIENT

Triton Construction

COMPLETION DATE

August 2016 (Construction)

PROJECT COST

\$5 Million (Construction)

E.L. ROBINSON'S ROLE

Prime Consultant

Design

Surveying

Geotechnical Investigation

Construction Observation

As a result of the severe rain events in June 2016 and extreme flood occurred on the Elk River causing numerous landslides on WV 4. The West Virginia Department of Highways awarded Triton Construction a design build contract to make repairs to this vital highway and restore the roadways.

After an on-site meeting, ELR deployed survey crews to develop mapping for each site. Drill rigs were utilized to determine geotechnical information such as soil and bedrock depths. ELR's geotechnical engineers evaluated the stability of the sites and designed retaining structures to stabilize the embankments and provide support for the reconstructed roadway. Eleven pile lagging walls from a few hundred to several hundred feet in length were designed. The construction of the retaining structures was completed by December 2016. Final paving of roadways was completed in Spring of 2017.