



Norfolk Southern Embankment Slope Harriman, TN

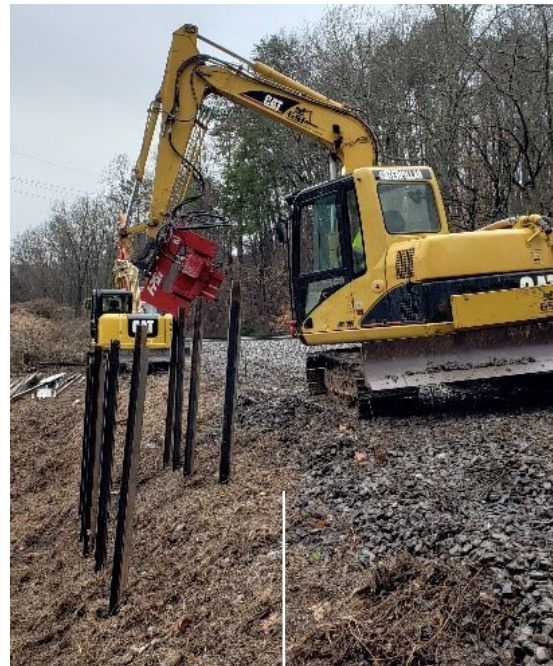
The Geopier SRT® system was used in emergency repair for the Norfolk Southern rail line embankment

Description: This project included embankment stabilization and slope remediation work on Norfolk Southern's rail line at MP 258.8 near Harriman, TN.

Subsurface Conditions: Slope instability was occurring along the embankment track shoulder causing loss of ballast shoulder and track geometry defects. A slide scarp on the slope approximately 110 feet long was identified during the site visit.

Geopier Solution: The Geopier SRT® system for this project was installed by GeoStabilization, International, and was used to provide emergency repair of the rail embankment. The repair included 98 six-foot long Plate Piles™ that were installed 15-foot deep in a staggered array into the embankment of the upper slope. The Plate Piles arrested the slope movement and preserved the existing embankment. The SRT system was installed in one afternoon with minimal to no disruption to the slope vegetation or transportation patterns.

Where plate pile installations were restricted by existing utilities, GeoStabilization chose to utilize soil nails, providing Norfolk Southern with a comprehensive slope repair solution that permitted a highly accelerated response time and construction schedule.



PROJECT TEAM

Owner:

Norfolk Southern Railway

Geopier Installer:

GeoStabilization International

Installation:

98 Plate Piles™