

GEOPIER® SOLUTIONS

SLOPE STABILIZATION

SLOPE STABILIZATION

Geopier® ground improvement technologies provide cost-effective and reliable solutions to increase stability of failing or marginally-stable slopes and embankments. Site-specific solutions are tailored for your project, using a variety of Geopier technologies to address conditions ranging from shallow slope instability to deep-seated global stability problems.

SHALLOW INSTABILITY

Shallow failures or marginally-stable slopes are often repaired with over-excavation and replacement, flattening of the slopes, or the construction of retaining walls. These solutions require extensive right-of-way access, and may be costly and time-prohibitive. The Geopier SRT™ system utilizes Plate Pile™ technology to stabilize failing slides or reinforce existing slopes against future movement. The rigid plate piles are installed in a grid pattern, through the slide mass and into better soil to increase the shear resistance and stabilize the slope. Geopier SRT eliminates the need for massive removal and replacement on sites challenged by access, saving time and money on your project.

DEEP INSTABILITY

Geopier Rammed Aggregate Pier™ systems also provide improved slope stability and factors of safety against global instability. Exhibiting friction angles from 49 to 52 degrees, this Geopier technology is installed along unstable or marginally stable slopes or beneath new embankments/walls to intersect critical



SRT: New Madrid Power Plant, New Madrid, Missouri

slip planes and provide improved shear reinforcement. These high-strength Geopier ground improvement solutions provide cost-effective approaches to eliminate over-excavation and replacement, piles, or other stabilization methods.



*SRT: VDOT HOT Lanes Slope Repair
Fairfax, Virginia*



*RAP: LA DOTD Slide Repair (US 71)
Krotz Springs, Louisiana*



*SRT: CALTRANS Slope Repair
Colusa, California*



*RAP: Manchester Airport Bypass Repair
Manchester, New Hampshire*

Work with regional engineers worldwide to solve your ground improvement challenges.

Tensar®

**GEOPIER®
FOUNDATIONS**

©2013 Geopier Foundation Company, Inc. The Geopier® technology and brand names are protected under U.S. patents and trademarks listed at www.geopier.com/patents and other trademark applications and patents pending. Other foreign patents, patent applications, trademark registrations, and trademark applications also exist.

130 Harbour Place
Suite 280
Davidson, NC 28036
800.371.7470

geopier.com

GEOPIER_APPFLY_SLOPE_08.13