

SR-11 KYTC DISTRICT 10, KENTUCKY

# Steep slope stabilization at SR-11 KYTC DISTRICT 10



**Industry:** Transportation  
**Application:** Slope stabilization  
**Location:** Kentucky  
**Product:** **PROPEX® Armormax®**

## Challenge

In 2020, KYTC created Master Agreements (MA) for the use of an engineered earth armoring solution (EEAS) as an alternative to rock to repair slips and slides.

## Overview

Comprised of five distinct branches, Kentucky Transportation Cabinet (KYTC) Maintenance Division has a common goal of maintaining a safe, efficient, environmentally sound, and fiscally responsible transportation system to ensure mobility and access and to promote economic growth for all citizens of the Commonwealth. The Roadway Maintenance Branch conducts roadway maintenance which includes the repair and stabilization of small slips and slides.

**The PROPEX Armormax system helped KYTC meet their goal of providing a safe, efficient, environmentally sound and fiscally responsible option to repair the slope.**

## CASE STUDY

Steep slope stabilization at SR-11 KYTC DISTRICT 10

In 2022, KYTC chose to use the EEAS Type 3 system setup within the MA to stabilize a slope on SR-11. **PROPEX Armormax** consisting of **PROPEX Pyramat® 75 HPTRM** and nine-foot Type B2 anchors on a 10 cm x 10 cm (4 in x 4 in) spacing, met the KYTC EEAS Type 3 specifications. Permanent seeding was placed beneath the HPTRM and has begun to vegetate and blend into the natural surroundings of the state park.

## Solution

The **PROPEX Armormax** system helped KYTC meet their goal of providing a safe, efficient, environmentally sound and fiscally responsible option to repair the slope while also ensuring access to the state park and economic growth in the surrounding area. Solmax personnel provided on-site training and construction support to the contractor and KYTC maintenance personnel.



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