CASE STUDY

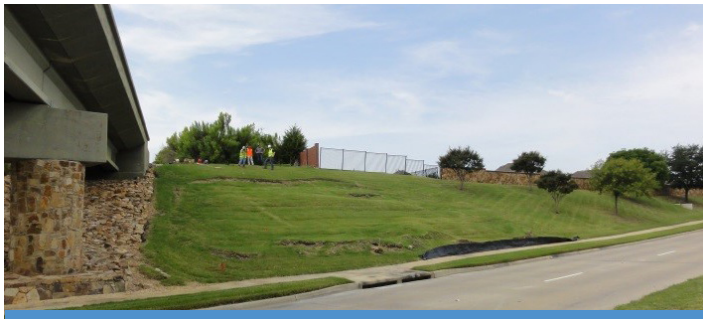
LEBANON ROAD
FRISCO, TEXAS

ROADWAY & RAILROAD BRIDGE EMBANKMENT STABILIZATION

Propex® GEOSOLUTIONS

PROJECT SUMMARY

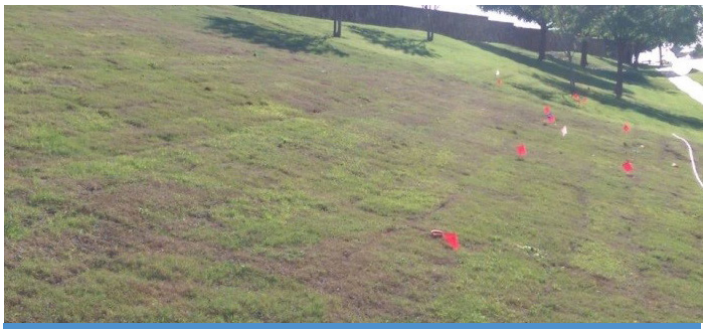
Heavy rainfall and offsite drainage in Frisco, TX caused the slope along Lebanon Road and the overhead railroad bridge to fail. To repair the roadway and railroad bridge embankment slope, the consulting engineer chose ARMORMAX® 75 Engineered Earth Armoring Solution for repair and protection. This system was chosen because it offered a lower cost solution, less traffic impact and faster installation than traditional hard armoring solutions like rock and concrete. Additionally, the engineered earth vegetated outcome was more aesthetically pleasing as it blended into the adjacent surroundings. Lastly, the vegetated system provides water quality benefits by filtering pollutants from the adjacent roadway and railroad stormwater runoff prior to entering the closed storm drainage system.



PROBLEM Roadway and railroad bridge embankment slope failure

SOLUTION ARMORMAX® 75 Engineered Earth Armoring Solution for roadway and railroad bridge embankment stabilization

INSTALLATION Significant time and cost savings while reducing traffic impacts associated with hard armoring solutions like rock or concrete



PERFORMANCE Vegetated engineered earth slope stabilization that is more aesthetically pleasing that also provides water quality improvements

FEATURES & BENEFITS

- Provides permanent erosion protection for up to 75 years
- Highly UV stabilized for applications with little or no vegetation
- Outlasts other slope reinforcement methods yielding significant cost savings
- Ease of installation reduces time and labor costs
- Withstands both hydraulic and non-hydraulic stresses
- Reinforces vegetation and promotes sustainable aquatic habitats
- Lightweight and easily transported into areas with access challenges
- Available in green or tan to complement the natural surroundings

ARMORMAX® Engineered Earth Armoring System

VISIT OUR WEBSITE FOR MORE INFORMATION, PRODUCT SAMPLES OR OTHER INQUIRIES OR CALL CUSTOMER SERVICE AT 1.800.621.1273

Propex®

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