

CASE STUDY

BORDER ROAD & FENCE PROJECT DOUGLAS-NOGALES, AZ

REINFORCED VEGETATION SYSTEM



PROJECT SUMMARY

The Border Road and Fence Project was a 2,000+ mile project being constructed along the U.S.-Mexico border from San Diego, CA to Brownsville, TX. This project was constructed in regard to national boundaries instead of terrain. This presents unique challenges to the design and construction of this road as it crosses streams, rivers and mountainous terrain in ways where traditional civil design and construction might avoid. A solution was needed to provide permanent erosion control protection along the slopes and drainage ways created during the construction of the project. More than 50,000 sq. yds. of tan ARMORMAX® was installed. The ARMORMAX system, comprised of High Performance Turf Reinforcement Mats (HPTRMs) and Engineered Earth Anchors™, locks the soil in place and protects against hydraulic stresses. UV Exposure was also a key challenge for this installation because the vast majority of this road lies in arid or semi-arid climate where very little vegetation can establish. ARMORMAX meets the most stringent UV stability requirement of 90% at 6000 hours.



PROBLEM

Slopes and drainage ways created during construction needed erosion protection



SOLUTION

ARMORMAX® Engineered Earth Armoring Solutions™ provides dynamic erosion control and slope stabilization solutions



INSTALLATION

50,000 sq. yds. of ARMORMAX was installed along the U.S.-Mexico border



PERFORMANCE

ARMORMAX provided permanent erosion protection in this rugged environment

FEATURES & BENEFITS

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



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



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