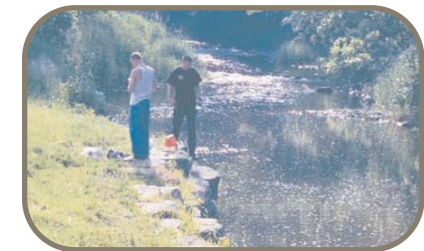


PROJECT SPOTLIGHT

PYRAMAT® PROTECTS BRIDGE ABUTMENT IN ILLINOIS FOREST PRESERVE

The heavy rains of 1996 washed out a bridge along the Big Rock River in Illinois' Kane County Forest Preserve. The bridge was replaced by MIC, Inc., but the bridge abutments still needed protection from future storms. MIC contacted Nelson Group, Inc., who determined that Pyramat® high performance turf reinforcement mat (HPTRM) was the ideal defense. Designed for the most demanding slope and storm water channel applications, Pyramat with X3® technology from Propex Geosynthetics has a patented three-dimensional woven geotextile construction that provides long-term strength, dimensional stability, durability and functional longevity not available in other permanent or degradable erosion control solutions. Pyramat is also safer and more aesthetically pleasing than alternatives such as riprap, which was an important concern since local residents use the area for fishing and other recreational activities. Nelson Group decided to install the Pyramat parallel to the river so there would be fewer seams where failure could occur. They used a slit trench with an S fold to lock the Pyramat into the bank and stapled it twice in the trench, once on the bottom and once on the top. The Pyramat was covered with 1/4 to 1/2 inch of topsoil, IDOT Class IV seed and a double straw net. Nelson Group's environmentally friendly solution has successfully protected the bridge abutment from heavy river flows and rainfalls for years, and the installation continues to meet all performance requirements.



Because an aesthetically pleasing solution was used, the area continues to be a recreation area for local residents.

PROJECT FILE

PROJECT ▶ KANE COUNTY FOREST PRESERVE

LOCATION ▶ BIG ROCK, ILLINOIS

PRODUCT ▶ PYRAMAT® HPTRM

APPLICATION ▶ ABUTMENT PROTECTION

INSTALLER ▶ NELSON GROUP, INC.

CONTRACTOR ▶ MIC, INC.



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GEOS-PS-110
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