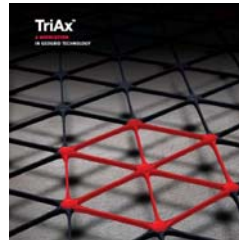


# Geosource Solution Center



**Project Name:** Mermet State Park Parking Lot  
**Project Location:** Belknap, IL  
**Product:** TX 160  
**Owner/Engineer:** IDOT  
**Contractor:** Pinoy Construction  
**Problem:**

In order to construct a parking lot that would be used for trailer and bus parking for events being held at the State Park, IDOT and Pinoy Construction placed 6 inches of CA6 aggregate and an oil and chip seal surface atop 6 inches of previously placed millings. An old tree line which had been removed provided a very soft subgrade and cracking of the surface pavement was evident immediately in this area. We also noted various other areas of the parking lot beginning to crack.

**Solution:**

IDOT Geotechnical Engineers worked with Tensar and ASP Enterprises to develop an additional section that would provide the necessary structural capacity. The solution was to place a layer of TX160 Geogrid over the cracked seal chip and covered with 6-8 inches of aggregate. In the area of the removed tree line and additional layer of TX160 and 6 inches of CA-6 was placed to solidify the surface area.

**Results:**

IDOT's normal method of securing a stable subgrade would be a remove and replace scenario, however with an upcoming event at the park just days away the decision to use Tensar Geogrid proved not only successful but was completed on time. Installation of the geogrid was completed by Pinoy Construction which had never used geogrid previously and the learning curve of the installation was quick and easy.

Ed Nelson, CPESC



*Triax Geogird was placed on top of the soft subsoil and greatly shortened the construction time.*



*Care was taken for rock placement to not excessively wrinkle the geogrid.*

Whether you're in the field or in the office, you can quantify the thickness and cost savings of using Tensar® TriAx® Geogrids with the Subgrade Improvement Slide Rule. This simple and precise tool shows solutions for a wide range of real-world, soft-soil scenarios. It also features a cost analysis function that lets you make bottom-line economic comparisons of stabilized and unstabilized solutions. We also offer a pocket card that allows easy estimation of subgrade soil strengths and aggregate thickness requirements. To order your free slide rule and pocket card, call 800-TENSAR-1 or contact your local Tensar Geogrid representative.

Subgrade Improvement Slide Rule for Unpaved Applications  
 A Guide for Determining Subgrade Soil Strength, Required Aggregate Thickness and Cost Savings Utilizing Tensar® TriAx® Geogrid Reinforcement

Tensar TriAx

## Calendar of Events

Feb. 25-27: EC14-IECA Erosion Connection 2014-Nashville, TN  
[Click here](#)

[ASP/Quick Supply 2014 Clean and Green Sustainability Conference and Expo](#)

March 11th-Omaha  
 March 12th Des Moines  
 March 13th-KC, MO  
 March 14th St. Louis, MO

April 29-May 1: Great Rivers/ Great Lakes Joint IECA Great Connections 2014-Davenport, IA  
[Click Here](#)

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