

Illinois Projects with **Tensar®** Biaxial Geogrids

Soft subgrade soils and expansive clays are a constant challenge for site developers and paving and grading contractors. Thanks to Tensar Earth Technologies' Spectra® Pavement System, Illinois engineers now have an effective alternative to expensive construction methods and chemical stabilization to reinforce unstable subgrades. With clear advantages in performance, design, and installation, mechanical stabilization using Tensar® Biaxial (BX) Geogrids provides engineers with a preferred technology for building economical, long-lasting structures over challenging soils.

Geneva Commons - Retail Development

Installation Date: Fall 2001

Quantity: 16,000 SY

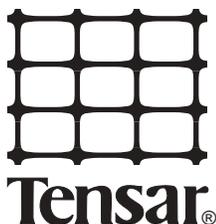
Owner: Jeffrey R. Anderson Real Estate, Inc.

Engineer: Terracon/Naperville, IL
Maroun Moussallem - Soils Engineer

Construction Managers: Duke Construction
Michael J. Stella - Project Superintendent
Jeremy M. Fortier - Project Engineer

Project Information: Faced with a premature failure of the access road, a poor subgrade for the main parking areas, and a two-day completion deadline, engineers opted for Tensar BX Geogrids to allow quick access to the job site. More economical and easy to install, BX Geogrids proved to be the perfect solution for this time sensitive situation.

Cost savings: Over \$35,000



*Tensar Earth
Technologies, Inc.*



For more information, call 630-293-3111

Prairie Meadows Shopping Center - Main Parking Area

Installation Date: Fall 2001 (3 phases)

Quantity: 20,000 SY

Owner: Dominick's Finer Foods

Developer: Phynx Realty Services, Inc.

Engineer: Terracon / Naperville, IL
Maroun Moussallem, Soils engineer

Contractor: Abbey Paving & Sealcoating
Joe Madden, Superintendent

Project Information: Dominick's grocery store was scheduled to open in November 2001 and the contractor faced liquidated damages if the project was not completed on time. Tensar BX1100 was introduced to reduce undercutting and speed construction. The project was completed on schedule.



Prairie Meadows Shopping Center - Gas Station and Bank Outlot

Contractor: Abbey Paving & Sealcoating
Joe Madden, Superintendent

Project Information: The gas station and bank outlots had been chemically treated and failed. As a result, significant undercutting was required. To save time and money, the owner decided to put one layer of BX1100 on the bank outlot and two layers on the gas station area. One layer was placed on the subgrade and one layer between the aggregate types. By reinforcing the subgrade with Tensar BX Geogrids, the contractor was able to install the stone base and lay the asphalt the next day while reducing undercutting. The 23 acre development was completed within time and budget constraints.



For more information on how Tensar BX Geogrids stack up against traditional construction methods, contact Tensar Earth Technologies at 800-TENSAR-1 or visit our web site at www.tensarcorp.com.

Lewis Airport - Apron and Taxiway

Installation Date: Fall 2001

Quantity: 23,000 SY

Engineer: Hanson Engineering, Inc. and
SAFDAR/A. Gill-- Oak Brook, IL

Owner: Illinois DOT - Aeronautics

Contractor: Harry W. Kuhn
Joe Panico - Superintendent

Project Information: At the design stage, one layer of Tensar BX1100 was incorporated in the pavement cross section. Despite very wet conditions, this security measure allowed the general contractor to complete the project on schedule. Natural filtration of the subgrade and base stone also eliminated the need for a separation geotextile, thus saving construction time during installation.

