



MONTGOMERY RIVERWALK STADIUM

MONTGOMERY, ALABAMA

Application: Subgrade improvement for the construction of a minor league baseball stadium over poor existing soils.

The Challenge: The Montgomery Biscuits, Montgomery's new Class AA ball team and farm team to the Tampa Bay Devil Rays, needed a new stadium in time for their 2004 debut. An unusually rainy season in 2003 left a playing field full of soft soils and clays that began to compromise the already tight

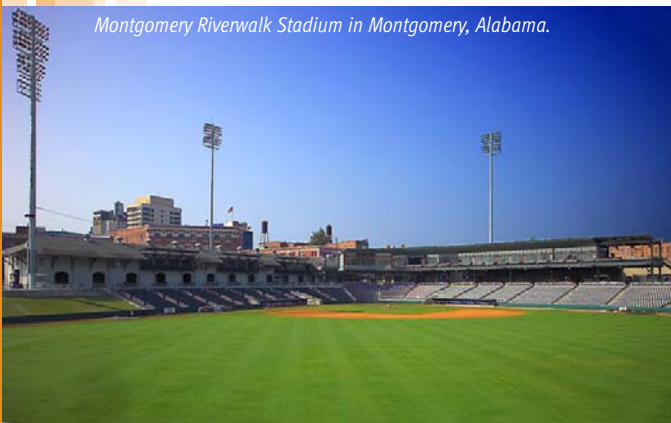
construction schedule. The stadium's completion date was inflexible, and a solution was needed quickly to keep the project on track.

Site Conditions: The stadium site had been used as a dumping ground for construction debris and garbage for the last 150 years. This unique blend of fills, along with the season's exceptional amount of rainfall, created a weak subgrade that was incapable of supporting the required construction traffic. These soft soils began to rut under the traffic of earth-moving equipment, causing the equipment to get stuck and construction to be delayed.

Alternative Solutions: Tensar Biaxial (BX) Geogrids were the only solution considered for this project.

The Solution: The existing topsoil and clays were an inconsistent and unusable combination. A stable subgrade was needed to ensure the correct and timely construction of this stadium.

TTL, Inc., the geotechnical engineering firm on this project, recommended a solution. They proposed undercutting the playing field by at least two feet to install a series of underdrains that would provide drainage relief until the field's actual drainage system was built.



Montgomery Riverwalk Stadium in Montgomery, Alabama.

PROJECT HIGHLIGHTS

Project:
Montgomery Riverwalk Stadium

Location:
Montgomery, Alabama

Installation:
Summer 2003

Product/System:
Spectra® Roadway Improvement System

Products Used:
Tensar® BX1100 Geogrid

Owner/Developer:
City of Montgomery

Geotechnical Engineer:
TTL, Inc.

Civil Engineer:
J.M. Garrett & Sons, Inc.

Structural Engineer:
Walter P. Moore, Inc.

Contractor:
Hagan Construction Company

CASE STUDY





Initial site conditions at the Montgomery Riverwalk Stadium were soft, muddy and unstable.

TTL also advocated the placement of Tensar BX1100 Geogrids over the undercut surface, just prior to backfilling to help stabilize and strengthen the exposed soils.

"I knew Tensar Geogrids would do the job," stated Robert Thompson, senior geotechnical engineer for TTL. "They perform well every time, and help everyone involved to successfully meet their deadlines and complete the project."

The Spectra System Advantage: The Spectra System provided a quick, stable solution to a soft soil dilemma. The strengthened subgrade allowed construction traffic to access the field and continue working without the threat of rutting. The Montgomery Biscuits opened their season, and franchise, as scheduled, to a sold-out crowd of over 7,000 fans.

Additional Information and Services:

Tensar Earth Technologies, the leader in geosynthetic soil reinforcement, offers a variety of solutions for foundation and roadway projects. Our products and technologies, backed by the most thorough quality assurance practices, are at the forefront of the industry. Highly adaptable, cost-effective and installation-friendly, they provide exceptional, long-term performance under the most demanding conditions. Our support services include site evaluation, design consulting and site construction assistance.

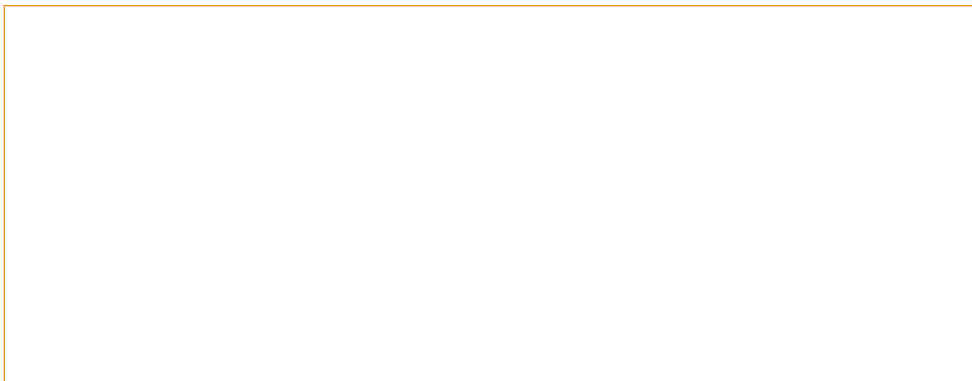
For innovative solutions to your engineering challenges, rely on the experience, resources and expertise that have set the industry standard for more than two decades.



Tensar BX Geogrids allowed the Montgomery Biscuits to open their season and their stadium on time.

For more information on the Spectra System or other Tensar Systems, call **800-TENSAR-1**, e-mail info@tensarcorp.com or visit www.tensarcorp.com.

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