

Project Fast Track

Rail Storage Spur

PROJECT TEAM

OWNER:

Private due to NDA

ENGINEER:

Private due to NDA

CONTRACTOR:

Private due to NDA

SUPPLIER:

Industrial Fabrics, Inc. (IFI)

TECHNICAL DESCRIPTION:

Product: BASELOK® FabGrid®
FG6 w/ BASELOK®
GEOCELL GC306

Square Feet: 1,700 Track Feet

Installation Date: October 2021

Completion Date: December 2021



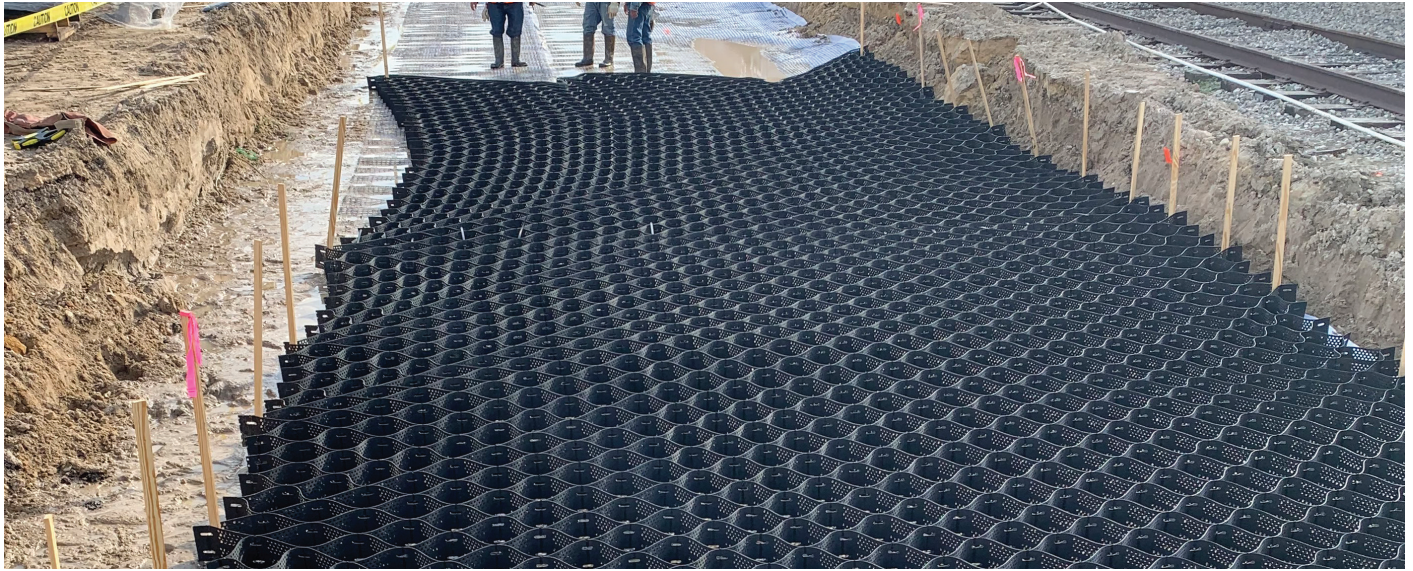
BASELOK®
BY INDUSTRIAL FABRICS, INC.

Description on next page

IF INDUSTRIAL FABRICS, INC.
since 1981

PROJECT FAST TRACK

RAIL STORAGE SPUR



PROJECT DESCRIPTION

A private owner with an existing site on the gulf coast needed to add an additional 1700' rail spur for rail car storage purposes.

CHALLENGES

The site was located very close to the coast and ground water was present at very shallow depths. The geotechnical engineering firm engaged Industrial Fabrics, Inc. for suggestions and a “bullet proof” solution as this project was on a serious fast track. Typically, the geotechnical engineer would recommend chemical stabilization under a rail line, but the high ground water table had them concerned and they felt it was best to avoid additional excavation or penetration into the soft and already saturated subgrade. *They needed something fast, bullet proof, and easily installed.*

INNOVATIONS

The Industrial Fabrics Engineering Team went to work and produced a design for the project. Since this was a rail line and the engineer wanted something bullet proof, the Industrial Fabrics Engineering team recommended the **BaseLok® Foundation Performance System (FPS)**. In order to quantify the subgrade strength, the owner asked Industrial Fabrics engineers to conduct Dynamic Cone Penetrometer (DCP) testing which was readily completed. The **BaseLok® FPS** included a **BaseLok® FabGrid** followed by a **BaseLok® GeoCell**. The FabGrid® chosen for this critical application was **BaseLok® FG6** and the geocell was **BaseLok® GC306** with Cable Locks. By utilizing the **BaseLok® FPS**, the need for chemical stabilization was eliminated. The solution included placing the **BaseLok® FabGrid FG6** directly on the saturated subgrade followed by the **BaseLok® GC306 GeoCell**. Once in place, subballast was placed along the edges with a track hoe to secure the system while the balance of the subballast was placed. Once the full thickness of subballast was in place, the ballast was placed followed by the track section.

RESULTS

All parties involved in the project were extremely pleased and impressed with the performance of the **BaseLok® FPS**. The project was so successful and expedient that it was given the name *Project Fast Track*. From Industrial Fabrics, Inc. initial call with the geotechnical engineer to project completion was approximately 90 days. The owner even issued awards to the project team, including the key solution provider, Industrial Fabrics, Inc., to commemorate the successful project.

Customer should verify with the product manufacturer that customer has the most current BASELOK® specifications for the product ordered or purchased. The BASELOK® system can be used in the application described in our literature and on our website, provided proper installation and engineering principles are followed. Professional engineering should be consulted before installation of BASELOK® units to assure appropriate design and use. ALL EXPRESSED OR IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. BASELOK® is a trademark of Industrial Fabrics, Inc.