

GSE ROADRAIN™ AS A SYNTHETIC DRAINAGE LAYER

MID-BAY BRIDGE CONNECTOR

[DURABILITY RUNS DEEP]

Location:

Okaloosa County, FL

Owner:

Mid-Bay Bridge Authority

Engineer:

HDR Engineering, Inc.

Products:

RoaDrain Triplanar Geocomposite

Date:

2009



Case Study

Background

In order to construct the roadway, it was necessary to excavate approximate 15' of the existing embankment. The existing water table uphill is about 10' higher than the proposed roadway elevation.

Solution

It was decided to install RoaDrain in a section 1,100 feet long of roadway to intercept seepage from the high water table, and redirect to under drains, thereby keeping the roadway base and subbase dry. RoaDrain was installed 6" below the subbase, along with an under drain that will direct the water to a drainage structure.

Placing Roadrain in a high water table environment provided the following benefits:

- Exceptional collection, capacity, and flow rates
- Excellent compressive strength
- Provides Separation and Strength
- Significant cost savings over natural alternative



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South America 56.2.595.4200

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For more information on this product and others, please visit us at GSEworld.com, call 800.435.2008 or contact your local sales office.

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