

CORP of Engineers Mat Casting Yard Protection Levee

St. Francisville, Louisiana

Levee Overtopping Demonstration Project

PROJECT TEAM

OWNER:

US Army Corps of Engineers
New Orleans District

ENGINEER:

US Army Corps of Engineers
New Orleans District

CONTRACTOR:

B&P Enterprises
Resource One Nursery

SUPPLIER:

Premier Concrete Products, Inc.

TECHNICAL DESCRIPTION:

Product: 4.75 Open Cell ACB
Square Feet: 10,000
Installation Date: October, 2007



Four month vegetation



Three hour overtopping



After three hour overtopping

Description of Test:

The New Orleans Corps of Engineers placed **Shoreblock SD** on the levee surrounding their mat casting facility located on the Mississippi river as a test section. This test section by the U.S. Army Corps of Engineers New Orleans District in St. Francisville, La. was to evaluate constructability, vegetative characteristics, potential maintenance issues and ultimately erosion control on future levee armoring projects.

Test:

Subsequent to the establishment of vegetation and successful execution of planned maintenance investigative activities, the Mississippi River achieved above normal flood stages overtopping the containment levee for three hours at the demonstration site, exposing the Shoreblock mats to substantial overtopping flow.

Result:

"We are very satisfied with how well the matting has held up under the extreme weather conditions and flooding that have since occurred on the levee," stated Bruce Harrel of B&P Enterprises and Resource One Nursery. This test will assist the CORP of Engineers to evaluate the use of ACBs for armoring including plans to prevent levee failures in Southern Louisiana.