

# PROJECT > Intercoastal Bridge Substructure Repairs

Shotcrete MS - Fiber Reinforced  
Wrightsville Beach, NC



## PROJECT DESCRIPTION:

QUIKRETE® Shotcrete MS - Fiber Reinforced was used to make vertical and overhead structural repairs to pile caps and beams on two bridges spanning the intercoastal waterway in Wrightsville Beach, NC. The shotcrete was packaged in 80 lb bags to accommodate the stop-and-start nature of the repair project. Deteriorated concrete, caused by expansion of corroding rebar, was mechanically removed down to the affected structural steel. The exposed rebar was then sandblasted to remove the corrosion before the application of

the shotcrete.

Shotcrete MS - Fiber Reinforced is a Micro Silica enhanced shotcrete that exhibits extremely low rebound and permeability characteristics. The material can be immediately shaved and sculpted to match the contour of the surrounding surface. Shotcrete MS - Fiber Reinforced achieves a compressive strength of more than 9,000 PSI at 28 days.

## GENERAL CONTRACTOR:

Palmetto Gunite

## PROJECT START DATE:

September 2010

## QUIKRETE® PRODUCTS USED:

- 80 lb Shotcrete MS - Fiber Reinforced :  
3,780 bags

## PROJECT COMPLETION DATE:

January 2011



QUIKRETE® Shotcrete MS - Fiber Reinforced  
>> Product No. 1228-51

