

## **OVERVIEW: CR 707, Indian River Drive, Construction Phase – St. Lucie County, FL**

The 2004 Atlantic hurricane season was one for the record books. It had been since 1964 that three hurricanes had made landfall within a two-month period. Charley started the season in August, and in September; hurricanes Frances and Jeanne continued to wreak havoc on central Florida and 13 miles of shoreline along Indian River Drive (County Road 707) in St. Lucie County. Given that County officials stated that the road was in danger of completely collapsing in some areas, the Board of County Commissioners was able to secure \$30 million dollars through the Federal Emergency Management Agency (FEMA). The solution was a restoration plan that called for; reconstructing the failed banks to a 2H:1V grade, lining the bottom 6 vertical feet with ArmorFlex 50S and 50ECO articulated concrete block, and placing geotextile reinforced sod on the upper portion of the bank.

Since the project was being funded by FEMA, under Florida's current state of emergency the construction would have to be completed prior to March 24<sup>th</sup>, 2005 or less than 150 days from the bid date. Therefore, the project was bid in three sections: south, central, and north sections. Three local contractors, to the St. Lucie County area, were awarded the individual contracts: the south section to Hubbard Construction, middle section to Ranger Construction, and north section to Dickerson Florida, Inc. To ensure that the materials would be installed within the required timeline, each contractor hired a subcontractor specializing in the installation of the ACB's. Hubbard and Dickerson both selected Perini Marine and Ranger selected Ocean Breeze. Each subcontractor placed an average on 9,000 ft<sup>2</sup> a day, per section, to meet the job's time frame constraints. All three sections of the project were successfully completed by the project deadline of March 24<sup>th</sup>, 2005.



**PRODUCT:** ArmorFlex Class 50S  
ArmorFlex Class 50 ECO

**AMOUNT:** 1,214,646 ft<sup>2</sup>.

**DATE:** December 2004 – March 2005

**OWNER:** St. Lucie County

**ENGINEER:** HDR  
Florida Department of  
Transportation  
Dunkelberger Engineering &  
Testing

**PRIME CONTRACTORS:** Dickerson Florida, Inc.  
Ranger Construction  
Hubbard Construction

**SUB-CONTRACTORS:** Perini Marine  
Ocean Breeze

**SUBMITTED BY:** Daniel Hunt  
Derek Dice

**DATE:** July 2005

