

TEX·COTE® BRIDGE COTE® Selected for 5 out of the Top Ten Bridges in 2009, Including the Number One Pick

#1 Kanawha River Bridge



Kanawha River Bridge
Kanawha County, W.Va.
Cost: \$83 million
Length: 2,975 feet
Designer: T.Y. Lin
International
Contractor: Brayman
Construction Corp
Owner: WVDOT
Product: TEX·COTE®

The completion of the closure segment of the 760-ft Kanawha River Bridge main span, a record segmental span over the Kanawha River between Dunbar and South Charleston, WV was celebrated by the local community as a milestone in the widening of a 4.3 mile section of I-64 in Kanawha County.

#5 Belleair Beach Causeway



Belleair Beach Causeway
Belleair Beach, Fla. **Cost:**
\$72,219,244 **Length:**
3,350 feet **Designer:** HDR
Inc.
Contractor: Johnson Bros.
Contractors Inc., Misener
Marine Inc.
Owner: Pinellas County, FL
Product: TEX·COTE®

It is not often one reaches the level of NASA, but those involved in the Belleair Beach Causeway came close following a successful launch. This job involved the use of an incremental launching system for the construction of two 660-ft-long reinforced concrete post-tensioned flat slab portions of the 3,350-ft-long structure. Crews match-casted 37.5-ft sections of the superstructure and hydraulically launched the superstructure into position.

#6 State Road 46 over Lake Jesup



S.R. 46 over Lake Jesup
Seminole & Volusia
Counties, Fla.
Cost: \$38 million
Length: 3,740 feet
Designer: Wilbur Smith Ass.
Contractor: Johnson Bros.
Inc., Misener Marine Inc.
Owner: FLDOT, District 5
Product: TEX·COTE®

When it comes to demolition, why stop at a deteriorating bridge? The S.R. 46 Bridge Replacement over Lake Jesup involves removing the existing bridge plus an existing causeway in an environmentally sensitive area. The removal also will eliminate the pollutant load currently draining from the roadway into Lake Jesup.

#9 Jewfish Creek Bridge



Jewfish Creek Bridge

Key Largo, FL

Cost: \$147.8 million

Length: 7,500 feet

Designer: Jacobs
Engineering Group

Contractor: Granite
Construction

Owner: FLDOT, District 6

Product: TEX·COTE®

No one wants to get under the skin of a crocodile. Crews working the Jewfish Creek Bridge construction site, which borders the Everglades National Park, built nine box culverts to allow crocodiles to pass under U.S. 1. Cranes set more than 450 beams at night to lessen disruption to traffic. The contractor also completed the bridge and opened the northbound lane to two-way traffic before the 2009 hurricane season.

#10 Fantasy Harbour Bridge



Fantasy Harbour Bridge

Myrtle Beach, SC

Cost: \$36 million

Length: 1,800 feet

Designer: SVT/Ralph
Whitehead Associates

Contractor: RR Dawson
Bridge Co.

Owner: SCDOT

Product: TEX·COTE®

At the time of design, the Fantasy Harbour Bridge was the longest spliced, post-tensioned concrete I-girder bridge in the U.S. behind a main span that was 330 ft long. Comprising 12 spans, the high-level bridge consists of a 76-ft-wide roadway and carries five lanes of traffic. A seismic analysis included a multimode spectral analysis and a push-over analysis.