



**NEW MILLENNIUM**  
BUILDING SYSTEMS  
Building a better steel experience.



**DID YOU KNOW?**

October 26, 2016

## Choctawhatchee

It's easy to say... Florida's new 3.3 mile concrete bridge project saved taxpayers money, with up to 25% less material costs using steel stay-in-place forms. But the savings extended even further – to reductions in labor and long-term maintenance.

When Parsons Brinckerhoff Engineering designed the 3.3-mile, \$118.5-million Choctawhatchee Bay Bridge, the company asked New Millennium to provide the steel bridge deck for the project. The decision moves away from the traditional use of plywood forms for the poured concrete. Here's why...

### A bridge to lower costs

The new bridge, located in Florida's panhandle, showcases several reasons for the departure from plywood forms in bridge construction: Stay-in-place steel form systems installed faster than wood. They provided a safe working platform for laborers. And when the concrete cured, there was no removal of the forms, because the steel forms remained integral to the structure.

No welding was required for the bridge deck installation. The entire pre-fabricated system was assembled on site using corrosion-resistant self-tapping screws to connect the deck pans to the concrete precast beams.

The solution recommended by New Millennium brought even greater cost savings to the project by way of the company's Rhino-Dek® stay-in-place steel form system. To endure the corrosive saltwater environment, the system features a polymer-laminate coating with a 124-year service life – assuring maintenance cost reductions long-term.



New Millennium's Bridge-Dek® and Rhino-Dek® stay-in-place steel form systems allow project owners to reduce costs by 20-25%, compared to wood forms.



Rhino-Dek® polymer laminated stay-in-place forms protect bridges against corrosion, abrasion, and ultraviolet light.

**Build a better steel experience... visit our website for complete information:**

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