



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

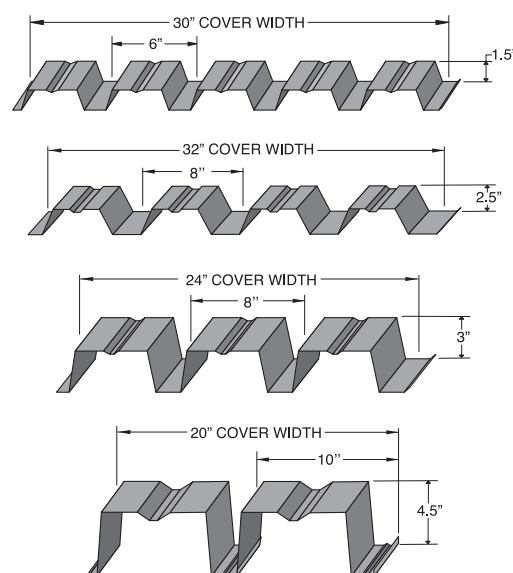


**DID YOU KNOW?**

April 4, 2017

## Bridges that make the grade

Infrastructure spending is expected to increase in 2017. One of the top priorities will likely be improvements to the nation's aging bridges — which have been graded nationally at a C+ by the American Society of Civil Engineers.<sup>1</sup> New Millennium is a leader in the design and manufacture of steel building systems, including our Bridge-Dek® and Rhino-Dek® stay-in-place form systems.



The four standard profiles of New Millennium's Bridge-Dek® and Rhino-Dek® solutions.

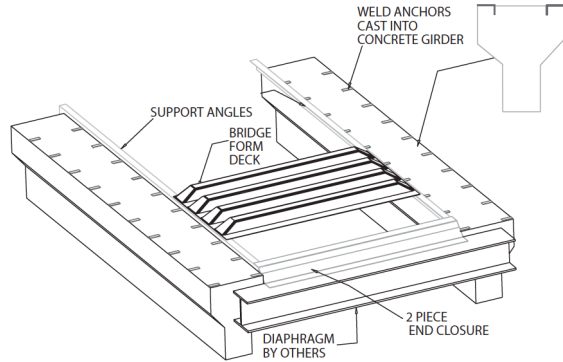
New Millennium Bridge-Dek® offers 4 standard profiles and 18 more matching rebar profiles that can accommodate designs spans up to 14'. The product is suitable for both new construction and bridge rehabilitation projects throughout the country. In areas that would expose the bridge to corrosion, New Millennium features its Rhino-Dek® solution, also available in 4 standard profiles and 18 more matching rebar profiles for spans up to 14'. It's a galvanized and polymer laminate stay-in-place deck form system for bridges over brackish and salt water, suitable for both new construction and rehabilitation.

Both are manufactured in a controlled environment, fabricated from high-strength galvanized steel, and designed to meet design requirements.

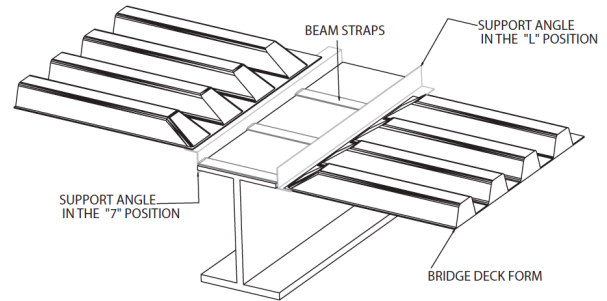
"You might think that Bridge-Dek® is an off-the-shelf product, but it's not. We custom design each project to accommodate state regulations as well as individual project needs," says Sev Mullen, New Millennium District Sales Manager. "We have several different techniques for rehab projects with regard to attachment methods."

<sup>1</sup> <http://www.infrastructurereportcard.org/cat-item/bridges>

## Typical concrete girder connection



## Typical steel girder connection



Shown here are the typical connections of Bridge-Dek® to concrete and steel girders. But many applications New Millennium works on require greatly customized attachment systems.

## Customized for each application

According to Gerald Arvay, New Millennium District Sales Manager, new local regulations and standards can greatly affect the design of a bridge. "For example, a new type of girder is being used in Florida that is essentially isotropic foam coated in concrete. With a steel girder we would use a beam strap. With a concrete girder, an insert is integrated with the concrete while it is still wet. With Florida's new girder, neither of these systems would work, so we redesigned an entirely new attachment system," he says.

*This span erected over the Caloosahatchee River in Florida, is just one example of a bridge project in which New Millennium provided a polymer-coated, stay-in-place deck form system as well as much-needed help solving specific construction issues.*



## Detailed drawings can improve safety

In a project such as this, when customization is required, New Millennium's detailed shop drawings become one of most important contributions to the success of the project. Making sure things are done right the first time can increase job-site safety, as well as speed erection and help contain project costs.

For more information about Bridge-Dek®, visit [www.newmill.com](http://www.newmill.com) or call your local New Millennium location.



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