

THE NEW NY BRIDGE

SUMMER 2018



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THE NEW NY BRIDGE



Andrew M. Cuomo
Governor of New York State

MESSAGE FROM THE GOVERNOR

We are on the eve of an important milestone, one that will serve to reaffirm our state's capacity to build big and build bold, and one that will help show the nation the way to reconstruct our critical infrastructure: the Governor Mario M. Cuomo Bridge will be fully opened to traffic, on-time and on-budget.

The new twin-span crossing is inspiring in its beauty and scale, but also in its delivery. Through the use of design/build, traffic will soon cross the eastbound span of the new bridge, less than five years after breaking ground.

Even as we look to the future, we are making good use of the old bridge. Steel and concrete from the Tappan Zee are being used to expand artificial reefs off the coast of Long Island. Other state agencies are contributing recycled materials as part of this historic expansion of New York's network of artificial reefs to improve biodiversity, boost tourism and support the fishing industry.

Back on land, we've provided 135 concrete road deck panels from the Tappan Zee Bridge—valued at more than \$4 million—to state and local municipalities.

These massive deck panels, each 50 feet long and some weighing as much as 110,000 pounds, were delivered across New York this summer. Some localities are already preparing to use them for bridges.

It's the New York way to be both smart and economical.

As we prepare for the opening of the new span, let us remember how far we've come in such a short time. There is much to look forward to with this stunning new bridge and good reason to feel proud.

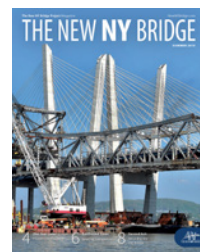
Thank you for being part of this journey ■

Andrew M. Cuomo
Governor of New York State



FEEDBACK

We want to hear from you. Share your thoughts on the project and more by emailing us at info@NewNYBridge.com



ON THE COVER

The center span of the Tappan Zee Bridge is removed



PROJECT UPDATE



Matthew J. Driscoll
Acting Executive Director
New York State Thruway Authority

As we prepare to fully open the Governor Mario M. Cuomo Bridge to traffic, it's appropriate to take stock of just how quickly this project is being realized.

Talk of replacing the Tappan Zee Bridge began decades ago. Dozens of proposals were floated, hundreds of meetings were held but ultimately, the political will was absent.

Enter Governor Cuomo, who recognized that we needed a safe, state-of-the-art bridge to replace the Tappan Zee and serve the needs of the lower Hudson Valley for the next century and beyond. Today, not in another decade. Partnering with President Obama, the Governor mobilized state and federal agencies to complete the environmental review in just 11 months, a process that can ordinarily drag on for years.

He championed the design-build construction process, which incentivizes the private sector to be creative on construction methods and provides more cost certainty than the traditional "design-bid-build" method. He worked with local unions and required that all 220 million pounds of steel for the twin-span came from the United States.

We thank Governor Cuomo for having the vision to recognize that investing in strong, modern transportation infrastructure is the backbone of an economically productive and progressive society.

Matthew J. Driscoll
Acting Executive Director



Jamey Barbas, P.E.
Project Director for
the New NY Bridge Project

Anticipation is again building as we approach the opening of the eastbound span of the Governor Mario M. Cuomo Bridge.

Just a year ago, we shifted all traffic from the Tappan Zee Bridge to the new bridge's westbound span. That was necessary in order to complete construction of the eastbound span, which touched land on both sides of the Hudson River in the same location as the old bridge. Designing the twin-span crossing that way ensured that we would not need to take any significant amount of land for construction.

Soon four lanes of Westchester-bound traffic will travel on the eastbound span, allowing construction to begin on the westbound crossing's bicycle-pedestrian path and its six scenic overlooks. Work on its landing points in Tarrytown and South Nyack has already started. When the path opens, it will be the crowning achievement of this historic project.

We thank you for your patience during construction and look forward to seeing you on the eastbound span!

Jamey Barbas
Project Director

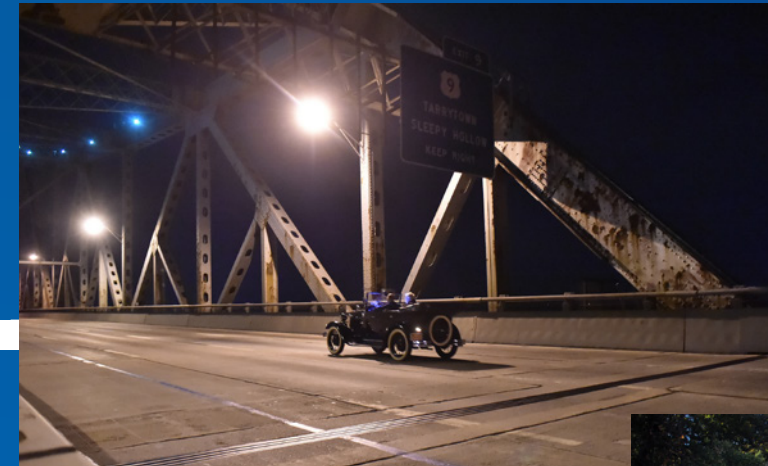
PROGRESS AT A GLANCE

BUILDING THE EASTBOUND SPAN



« SEPTEMBER 2017

Following the opening of the Governor Mario M. Cuomo Bridge's westbound span, work on the eastbound span continues.



« OCTOBER 2017

The final car crosses the Tappan Zee Bridge. Eastbound traffic is temporarily transferred to the new westbound span.

» NOVEMBER 2017

*The old bridge's structural steel is removed in large sections with the assistance of the project's largest crane, **I Lift NY**.*



» OCTOBER 2017

The old bridge's concrete roadway is removed near the Westchester and Rockland shorelines.



« APRIL 2018

*With key sections of the old bridge dismantled and removed, **I Lift NY** is used to install the final sections of the eastbound span's structural steel.*

» AUGUST 2018

Coats of waterproofing and rosphalt pavement form the final driving surface of the eastbound span.



» JUNE 2018

Concrete deck panels are placed atop the structural steel to form the base for the new roadway.



The Governor Mario M. Cuomo Bridge

Eastbound Span NEARING COMPLETION

Construction of the eastbound span is in the home stretch.

Design-builders Tappan Zee Constructors (TZC) continue to make final preparations to the roadway, support infrastructure and lighting systems in advance of opening to traffic.

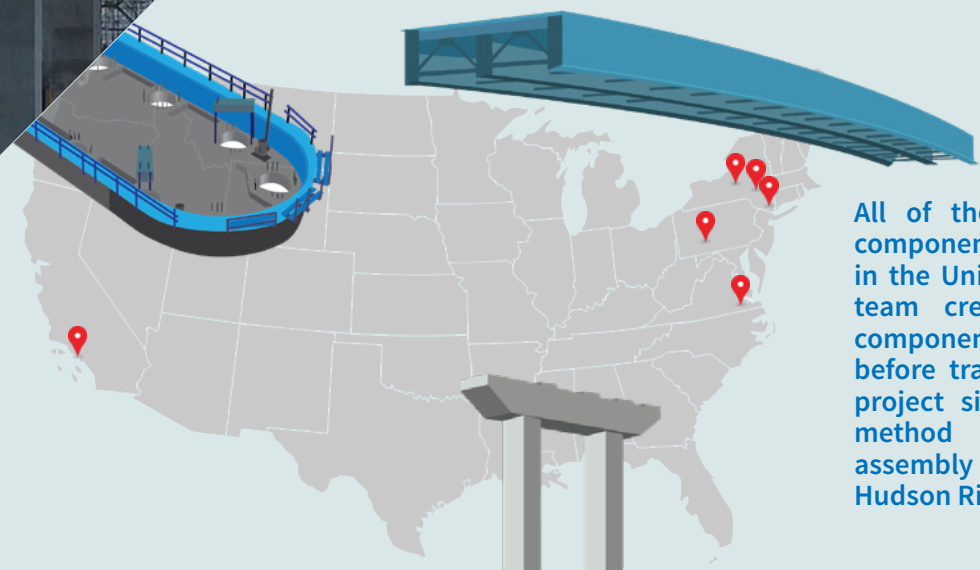
For example, the project's floating batch plants have provided freshly-mixed concrete to create road barriers as well as permanent seals between the roadway and the span's two dozen expansion joints. Each joint serves as a release point as the concrete roadway warms and cools under varying weather conditions. Without the expansion joints, the materials could crack under the stress.

Prior to laying the final driving surface, TZC completed the roadway's waterproofing.

TZC has also been testing the structure's roadway and aesthetic lighting in advance of the eastbound span's opening. The lighting systems will allow the New York State Thruway Authority to accentuate the architectural features of the twin-span bridge, specifically its eight 419-foot towers, 192 stay cables and 41 piers. Both the roadway and aesthetic lighting will utilize energy-efficient light-emitting diodes, or LEDs. The project's LEDs are designed with 100,000-hour lifespans, using an estimated 75 percent less energy compared to traditional lighting technology.

Keep up with the latest project progress by subscribing to our newsletter at [NewNYBridge.com/Contact](https://www.newnybridge.com/contact) ■

DID YOU KNOW?



All of the new bridge's major components were manufactured in the United States. The project team created many of these components in large sections before transporting them to the project site. This prefabrication method allowed for easier assembly and installation on the Hudson River.

LOWERING THE CENTER SPAN

MAY 8, 2018



⌘ Sections of the old bridge are removed and transported to Long Island as part of Governor Cuomo's artificial reef initiative.

SECOND ACT

RECYCLING THE OLD BRIDGE

The Tappan Zee Bridge lives on thanks to the state's largest artificial reef expansion program. Under the leadership of Governor Andrew M. Cuomo, more than 30 barges of cleaned and recycled materials from the 62-year-old bridge is being used for six artificial reefs off of the coast of Long Island. Nearly 900 tons of material from the Tappan Zee were added to the Shinnecock Reef in late May with more deployments scheduled throughout the summer. Announced in April, Governor Cuomo's reef expansion initiative is poised to bolster 12 artificial reefs off the shores of Long Island over the next two years to improve New York's diverse marine life and boost Long Island's recreational, and sport fishing and diving industries.

In addition to the Thruway Authority, recycled materials from the New York State Department of Transportation and Canal Corporation are being used. Other parts of the Tappan Zee Bridge will be repurposed. Notably, 135 concrete deck panels were delivered this summer to state and local municipalities across the state, saving up to an estimated \$4.1 million. "The Tappan Zee Bridge will live on as part of critical bridge and infrastructure projects across this great state," Governor Cuomo said. "Re-using materials from the bridge to support local communities is another example of smart, cost-effective governance."



Christopher LaPorta/New York State Department of Environmental Conservation



⌘ Artificial reefs are built out of hard, durable structures such as rock, concrete and steel pipes, usually in the form of surplus or scrap materials that have been cleaned of contaminants. After materials and vessels settle to the sea floor, larger fish, including blackfish, black seabass, cod, winter flounder and summer flounder, move in to build habitats within the new structures. Encrusting organisms such as barnacles, sponges, anemones, corals and mussels cling to and cover the material. The blackfish pictured above are residing in the Hempstead Reef, which is part of the state's artificial reef expansion initiative.

RETROSPECTIVE

GOING BUT NOT FORGOTTEN

TAPPAN ZEE BRIDGE ARCHIVES NOW AVAILABLE TO VIEW



On the evening of Oct. 6, 2017, Nyack resident Seth Kestenbaum drove his 1929 Model A Ford Phaeton across the Tappan Zee Bridge, marking the final ride from Rockland to Westchester. After nearly 62 years of dedicated service, the 3.1-mile crossing was officially retired from service, and is currently being dismantled. But the Tappan Zee Bridge's legacy lives on.

The New York State Thruway Authority has provided a robust collection of documents, photographs, drawings and field records about the bridge to repositories throughout Westchester and Rockland, including Nyack Library and Warner Library in Tarrytown.

The Tappan Zee Bridge archive is a testament to a bridge that transformed a region.

To find a repository near you, contact the project team at info@NewNYBridge.com ■





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NEWNYBRIDGE.COM

The project website provides detailed information about the design and construction of the New NY Bridge project. Check back often to see the latest progress.



1-855-892-7434

Our phone hotline is open 24 hours a day, 7 days a week, ready for your questions and comments. You can reach us at 1-855-892-7434.