

CONCRETE CONNECTIONS

Concrete Connections is an annotated list of websites where information is available about concrete bridges. Links and other information are provided at www.aspirebridge.org.

IN THIS ISSUE

<https://www.mobilityauthority.com>

The Central Texas Regional Mobility Authority is featured in the article on page 49. This is a link to the authority's website, which provides maps and fact sheets on current and future projects in the region.

https://usdot.zoomgov.com/join/3H1aTbmK1jupNOA9aQDpVEA7OC6RX_kJ8e1TxkinXdB8XK9ouFluRc5qeH5wEzFI3gL2ysToeqaGWkXr.cc31Ges3rZDy-NOK?continueMode=true

This is a link to a webinar presented by the Federal Highway Administration on August 2, 2022, to review the recent changes to the Buy America requirements, which were discussed in the Perspective article on page 10. The passcode to access the webinar recording is *DiG2s4S

https://abc-utc.fiu.edu/mc-events/north-carolinas-rodanthe-jug-handle-bridge-precaster-bridge-elements-and-innovative-construction-approach/?mc_id=729

The Rodanthe "Jug Handle" on North Carolina's Outer Banks is featured in the Project article on page 26. This is a link to a webinar from Florida International University's Accelerated Bridge Construction Center about the innovative construction techniques used on that project.

<https://www.flatironcorp.com/project/n-c-12-rodanthe-bridge>

Flatiron was the contractor on the Rodanthe "Jug Handle" Bridge on North Carolina's Outer Banks, which is the focus of the Project article on page 26. This is a link to a project summary on Flatiron's website with details and photos of the site and construction.

<https://www.txdot.gov/inside-txdot/get-involved/about/hearings-meetings/amarillo/080619.html>

The Texas Department of Transportation (TxDOT) held a preconstruction open house about the U.S. Route 83 and State Highway 15 bridge replacements project. This link is to a web page where slides of the project presentation, which shows the original design concept. After letting, the contractor and precaster submitted an alternative design that was accepted by TxDOT. This project is featured in the Project article on page 18 and in the Creative Concrete Construction article on page 40.

<https://lsc-pagepro.mydigitalpublication.com/publication/?m=61068&i=741590&p=20&pre=1&ver=html5>

The Concrete Bridge Technology article on page 38 presents engineering details of the rehabilitation of the Lake Tillery Bridge. This is a link to a Project article about construction aspects of the bridge that appeared in the Spring 2022 issue.

<https://www.youtube.com/watch?v=Ae5PLpZZW48>

The reconstruction of the Lake Tillery Bridge superstructure is the focus of the Concrete Bridge Technology article on page 38. Before the construction of this bridge in 1927,

there was another one: Swift Island Bridge, an open-spandrel reinforced concrete arch bridge built in 1922. After completion of the Lake Tillery Bridge, the older bridge was used for load testing while it was still intact. This is a link to a video documenting the testing and demolition of Swift Island Bridge.

<https://onlinepubs.trb.org/Onlinepubs/nchrp/docs/SCAN19-01rev3.pdf>

The Creative Concrete Construction article on page 44 highlights the process and findings of the National Cooperative Highway Research Program's Scan 19-01. The scan addressed "the bump at the end of the bridge." Most of the 12 participating states agreed that eliminating joints from the bridge deck and controlling and designing for effective drainage are crucial to structure longevity. This is a link to download the Scan 19-01 report.

<https://nationalconcretebridge.org>

The National Concrete Bridge Council (NCBC), composed of trade associations serving the concrete bridge industry, is the focus of the Perspective article on page 14. This is a link to the NCBC website.

<http://concretebridgeviews.com>

This is a link to an archive of all issues of the *HPC Bridge Views* and the *Concrete Bridge Views* newsletters, which were jointly sponsored by FHWA and NCBC and are mentioned in the Perspective article about NCBC on page 14.

<https://www.fhwa.dot.gov/bridge/nbis2022.cfm>

The Federal Highway Administration article on page 63 outlines the history of the National Bridge Inspection Standards and recent changes made to ensure national uniformity for inspections and evaluations. This link provides access to several resources related to those recent changes.

OTHER INFORMATION

<https://www.asbi-assoc.org/index.cfm/events/MonthlyWebinars>

This link accesses the American Segmental Bridge Institute's (ASBI's) archived webinars. The Design and Construction of Concrete Segmental Bridges for Rail is the subject of one of the webinars. Also available for download from the Publications section of the ASBI website is the recently published *Guidelines for Design and Construction of Concrete Segmental Bridges for Rail*.

<https://www.penndot.pa.gov/pages/all-news-details.aspx?newsid=974>

This is a link to a news release announcing that the Pennsylvania State Transportation Commission has updated its 12-Year Program. The new plan anticipates that \$84 billion will be available over the next 12 years for transportation infrastructure improvements.