CONCRETE CONNECTIONS

Concrete Connections is an annotated list of websites where information is available about concrete bridges. Fast links to the websites are provided at www.aspirebridge.org.

IN THIS ISSUE

www.pcine.org
More information on the PCI Northeast Bulb-tees and NEXT beams can be found on the PCI Northeast website. The development of these beams was mentioned in the feature article about CME Associates Inc., on pages 6 to 9.

http://centennial.transportation.org/default.htm
This is the website celebrating the centennial of the American Association of State Highway and Transportation Officials (AASHTO) which was mentioned in the Perspective on pages 10 to 11.

http://www.fontana.org/index.aspx?NID=2150
Visit this City of Fontana, CA, webpage for more information about the I-10 interchange projects at Citrus Avenue and Cherry Avenue that are described on pages 12 to 15.

https://www.arema.org/files/library/2013_Conference_Proceedings/Design-Construction_of_P_and_L_Railway_Bridge_J23-3-West_Point_KY.pdf
This article from the 2013 AREMA Conference gives more information on the P & L Railway Bridge covered in the article on pages 16 to 18.

https://garverusa.com/markets/transportation/96/cottonwood-creek-bridge/
This webpage on the Garver website gives additional details about the Cottonwood Creek Bridge, which is discussed on pages 20 to 22, including a video illustrating the methods used for constructing the bridge.

http://manhattanwestnyc.com/
This website describes the features of the real estate development, which will be built above the Manhattan West Platform that is mentioned in the project article on pages 24 to 26 and the Concrete Bridge Technology on pages 38 to 39. Under the "Innovation" tab, a video is available that describes the construction of the platform and how it fits into the site and development plans.

http://www.fhwa.dot.gov/goshrp2/
The SHRP2 program was the focus of the FHWA article on pages 34 and 35. This website provides more information on all SHRP2 products, including research reports, toolkits, training information, web-based applications, webinar training, and upcoming offerings under the Implementation Assistance Program. Additional information may also be found on the TRB and AASHTO websites.

http://onlinepubs.trb.org/onlinepubs/shrp2/SHRP2prepubR19AGuide.pdf
This link is to the document titled *Design Guide for Bridges for Service Life*, which was mentioned in the FHWA article on page 35.

www.NDToolbox.org
This webpage is for the NDToolbox that is mentioned in the FHWA article on page 35.

http://youtu.be/SJv-9vd7pc8
Visit this link to view a video of the delivery and erection of the girders for Phase I of the Porter Creek Bridge project that appears on pages 40 to 41.

Bridge Technology

www.aspirebridge.org
Previous issues of *ASPIRE*™ are available to search online, and issues can be viewed online or as pdf files, which may be downloaded as a full issue or individual articles. Information is available about free subscriptions, advertising, and sponsors.

www.nationalconcretebridge.org
The National Concrete Bridge Council (NCBC) website provides information to promote quality in concrete bridge construction as well as links to the publications of its members.

www.concretebridgeviews.com
This website contains 77 issues of *Concrete Bridge Views* (formerly *HPC Bridge Views*), an electronic newsletter published jointly by the FHWA and the NCBC to provide relevant, reliable information on all aspects of concrete in bridges.

www.fhwa.dot.gov/bridge/lrfd/webinar.cfm
This FHWA website provides access to 13 webinars about implementation of the Load and Resistance Factor Rating Method.

Bridge Research

NEW http://www.fhwa.dot.gov/publications/research/infrastructure/structures/14084/index.cfm
FHWA has released a report titled "Design and Construction of Field-Cast UHPC Connections" (FHWA-HRT-14-084) which is available for download as a PDF on this website.

www.concreteresearchnetwork.org/
The American Concrete Institute Foundation has established a Concrete Research Network at this website to provide a forum for collaboration among funders, researchers, and users that will generate research proposals in response to industry needs, disseminate research findings, and champion the process for adoption of new or improved methods of concrete design and construction.

www.fhwa.dot.gov/research/tfhrc/projects/projectsdb/
This database contains a list of projects sponsored or conducted by the Federal Highway Administration's Turner-Fairbank Highway Research Center and the Exploratory Advanced Research Program. It is updated as new information is collected.

www.trb.org/main/blurbs/170409.aspx
The FHWA has released a tech brief that discusses bond strength tests of concrete with a unit weight between that of traditional lightweight concrete and normal weight concrete.

www.fhwa.dot.gov/publications/research/infrastructure/structures/hpc/14041/14041.pdf
This website contains a technical summary of the FHWA report titled *Splice Length of Prestressing Strand in Field-Cast Ultra-High Performance Concrete Connections.*