

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.virginiadot.org/projects/bristol/corridor_q_route_460_connector_-_phase_i.asp

Visit this Virginia Department of Transportation website for more information about the U.S. 460 Connector described on pages 10 to 13. A link to an on-site webcam is available.

www.wfl.fhwa.dot.gov/projects/id/daveys/

This website provides an overview of the Davey's Bridge replacement described on pages 18 to 20.

http://www.pcine.org/index.cfm/resources/bridge/Accelerated_Bridge_Construction

For details about grouted couplers mentioned on page 31, go to this Precast/Prestressed Concrete Institute Northeast website and click on "Guideline Details for Precast Concrete Substructures."

http://abc-utc.fiu.edu/index.php/technology/monthly_webinar_archive/

This website contains the two webinars mentioned in the ABC article about precast concrete substructures on pages 29 to 32.

www.trb.org/main/blurbs/168670.aspx

NCHRP Synthesis Report 440 titled *Performance-Based Seismic Bridge Design* and referenced on page 29 is available at this website.

www.trb.org/Main/Blurbs/165909.aspx

NCHRP Report 698 titled *Applications of Accelerated Bridge Construction Connections in Moderate-to-High Seismic Regions* and referenced on page 31 is available at this website.

www.fhwa.dot.gov/hfl/pubs/hif13037/hif13037.pdf

Go to this website for a copy of the FHWA Report titled *Precast Bent Systems for High Seismic Regions* referenced on page 31.

www.aar.com/tracks.php

This website contains information about the test tracks at the Transportation Technology Center mentioned on page 38.

www.fhwa.dot.gov/bridge/t514033.pdf

The FHWA technical advisory titled *Recommendations for Assessing and Managing Long-Term Performance of Post-Tensioned Bridges having Tendons Installed with Grout Containing Elevated Levels of Chloride* mentioned in the FHWA article on page 34 is available at this website.

www.4eastcounty.org

Visit this website for more information about the Contra Costa Transportation Authority Highway 4 Corridor Project described on page 36.

Bridge Technology

www.aspirebridge.org

Previous issues of *ASPIRE*™ are available to search and 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 75 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.

NEW www.fhwa.dot.gov/bridge/lrfd/webinar.cfm

This FHWA website provides access to 12 webinars about implementation of the Load and Resistance Factor Rating Method.

NEW www.trb.org/main/blurbs/171058.aspx

The Virginia Department of Transportation has released a report that evaluates the extent that lightweight high-performance concrete with slag cement can be used in prestressed concrete bulb-tee beams and decks on bridges.

NEW <http://tinyurl.com/UDOTLL>

At this website, the Utah Department of Transportation provides a series of reports about lessons learned on their ABC projects. These include project specific reports and four overall performance reports issued between 2009 and 2013.

Bridge Research

NEW 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.

NEW www.trb.org/main/blurbs/171007.aspx

This website contains a Colorado Department of Transportation report about the evaluation of four bridge deck sealers commonly used on highway bridges.

NEW www.trb.org/main/blurbs/171013.aspx

The Virginia Department of Transportation has released a report that compares the durability of concrete mixtures containing supplementary cementitious materials by evaluating their permeability, absorption, and corrosion resistance.

NEW www.fhwa.dot.gov/research/tfhr/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.