

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.omniproservices.com/photo-gallery-jeremiah-morrow-bridge.html

Visit this website for pictures and information about the reconstruction of the Jeremiah Morrow Bridge described on pages 12 to 15.

<http://i-85yadkinriver.com/abouttheproject.html>

This website provides overall information about the I-85 Yadkin River project presented on pages 20 to 22.

www.coloradodot.info/projects/pecosoveri70

Information about the Pecos Street over I-70 bridge replacement in Denver, described on pages 24 to 26, is provided on this Colorado Department of Transportation website. A 30-second video shows the SPMT move.

www.wsdot.wa.gov/projects/i5/skagitriverbridgereplacement/

This Washington State Department of Transportation website has information about the I-5 bridge span replacement over the Skagit River as presented on pages 29 to 31. Photographs of the construction and a video of the span replacement are available.

www.youtube.com/watch?v=-ldUap4_ivY

A time lapse series of the entire girder setting operation for the I-5 bridge span replacement is available at this website.

www.flickr.com/photos/wsdot/sets/72157634573080718/

This web site has over 50 photographs showing the construction of the I-5 bridge span replacement.

www.fhwa.dot.gov/bridge/nbi/ascii.cfm

This website provides access to the National Bridge Inventory data sets as mentioned in the FHWA article on page 32.

www.fhwa.dot.gov/infrastructure/asstgmt/invest.cfm

The links on this website provide resources for evaluating roadway investments as mentioned in the FHWA article on page 32.

Sustainability

www.sustainableinfrastructure.org

Information about Envision,TM a rating system system for sustainable infrastructure, is available at this website.

Bridge Technology

www.aspirebridge.org

Previous issues of *ASPIRE*TM are available as pdf files and may be downloaded as a full issue or individual articles. Information is available about 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 71 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/research/resources/uhpc.cfm

This FHWA website is the location of considerable information about ultra-high-performance concrete including both research and applications.

NEW www.fhwa.dot.gov/publications/research/infrastructure/structures/hpc/13060

A new report titled *Ultra-High Performance Concrete: A State-of-the-Art Report for the Bridge Community* (Pub. No. FHWA-HRT-13-060) is available at this website. The report includes information on materials and production, mechanical properties, and structural design and testing. An extensive list of references is provided.

www.abc.fiu.edu/wp-content/uploads/2013/07/ABC-User-Guide-for-posting1.pdf

This Florida International University website contains a users' guide to the National ABC Project Exchange, which is a nationwide repository of projects that have incorporated Prefabricated Bridge Elements and Systems (PBES) with other innovative strategies to accomplish the objects of accelerated bridge construction.

www.trb.org/Publications/Blurbs/168757.aspx

This website contains a new National Cooperative Highway Research Program Synthesis titled *High Performance Concrete Specifications and Practices for Bridges*.

Bridge Research

NEW www.trb.org/shrp2/researchreports

Are you looking for a research report from the second Strategic Highway Research Program (SHRP2)? Nearly 90 reports organized by focus area and topic are now available as free downloads from this website.

http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_rpt_733.pdf

NCHRP Report 733, *High-Performance/High-Strength Lightweight Concrete for Bridge Girders and Decks* presents proposed changes to the AASHTO LRFD bridge design and construction specifications to address the use of lightweight concrete in bridge girders and decks.

www.trb.org/main/blurbs/167693.aspx and www.trb.org/main/blurbs/168046.aspx

These two websites contain the Strategic Highway Research Program 2 reports titled *Innovative Bridge Designs for Rapid Renewal*. The first website has the 870 page prepublication draft. The second website contains the associated ABC toolkit.