

# 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](http://www.aspirebridge.org).

## IN THIS ISSUE

**<http://cce.oregonstate.edu/about/history/mac/index.htm>**

The Focus article on pages 6 to 9 mentions Conde B. McCullough, a former Oregon state bridge engineer. More information about Conde McCullough and the bridges he has designed is available at this website.

**[www.i95newhaven.com](http://www.i95newhaven.com)**

The complete story of the new I-95 New Haven Harbor Crossing Corridor Improvement Program, including the Pearl Harbor Memorial Bridge described on pages 30 to 33, is available at this website.

**[www.wackerdrive.net](http://www.wackerdrive.net)**

This Chicago Department of Transportation and Illinois Department of Transportation website provides additional information about five projects related to the Wacker Drive replacement project described on pages 18 to 21.

**<http://www.efl.fhwa.dot.gov/technology/Bridge-VS-Foothills/foot-hills-bridge2.aspx>**

Visit this FHWA Eastern Federal Lands Highwood Division website for visualization of the Foothills Bridge No. 2 described on pages 38 to 40.

**[www.dot.state.fl.us/structures/Innovation/Ubeam.shtm](http://www.dot.state.fl.us/structures/Innovation/Ubeam.shtm)**

This Florida Department of Transportation website contains information about curved precast concrete spliced U-girder bridges described in the Creative Concrete Construction article on page 13. Links are provided to concept drawings and presentations about Colorado precast concrete girders, development of precast concrete spliced U-beam construction, and PCI Zone 6 standards.

**[www.fhwa.dot.gov/publications/focus/12aug/12aug02.cfm](http://www.fhwa.dot.gov/publications/focus/12aug/12aug02.cfm)**

This FHWA website contains an article from the August 2012 issue of FOCUS. Links are provided to the FHWA report No. FHWA-HIF-09-004, the ASR Field Identification Handbook, and the ASR Reference Center mentioned on page 46.

## Environmental

**<http://environment.transportation.org/>**

The Center for Environmental Excellence by AASHTO's Technical Assistance Program offers a team of experts to assist transportation and environmental agency officials in improving environmental performance and program delivery. *The Practitioner's Handbooks* provide practical advice on a range of environmental issues that arise during the planning, development, and operation of transportation projects.

**[www.environment.transportation.org/teri\\_database](http://www.environment.transportation.org/teri_database)**

This website contains the Transportation and Environmental Research Ideas (TERI) database. TERI is the AASHTO Standing Committee on Environment's central storehouse for tracking and sharing new transportation and environmental research ideas. Suggestions for new ideas are welcome from practitioners across the transportation and environmental community.

## Sustainability

**<http://sustainablehighways.org>**

The Federal Highway Administration has launched an internet-based resource designed to help state and local

transportation agencies incorporate sustainability best practices into highway and other roadway projects. The Sustainable Highways Self-Evaluation Tool, currently available in beta form, is a collection of best practices that agencies can use to self-evaluate the performance of their projects and programs to determine a sustainability score in three categories: system planning, project development, and operations and maintenance.

**NEW [www.fhwa.dot.gov/bridge/preservation/guide/guide.pdf](http://www.fhwa.dot.gov/bridge/preservation/guide/guide.pdf)**

The FHWA *Bridge Preservation Guide: Maintaining a State of Good Repair Using Cost-Effective Investment Strategies* may be downloaded from this website.

**NEW [www.fhwa.dot.gov/bridge/preservation/](http://www.fhwa.dot.gov/bridge/preservation/)**

This website provides a toolbox containing bridge-related links on bridge preservation.

## Bridge Technology

**[www.aspirebridge.org](http://www.aspirebridge.org)**

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**[www.nationalconcretebridge.org](http://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.hpcbridgeviews.org](http://www.hpcbridgeviews.org)**

This website contains 68 issues of *HPC Bridge Views*, an electronic newsletter published jointly by the FHWA and the NCBC to provide relevant, reliable information on all aspects of high-performance concrete in bridges.

**[www.fhwa.dot.gov/bridge/abc/docs/abcmanual.pdf](http://www.fhwa.dot.gov/bridge/abc/docs/abcmanual.pdf)**

The FHWA report titled *Accelerated Bridge Construction: Experience in Design, Fabrication, and Erection of Prefabricated Bridge Elements and Systems* may be downloaded from this website.

## Bridge Research

**NEW [www.dot.state.mn.us/metro/projects/35estpaul/maryland.html](http://www.dot.state.mn.us/metro/projects/35estpaul/maryland.html)**

Visit this website to watch the Minnesota Department of Transportation use self-propelled modular transporters to move a finished concrete bridge into position. Click on time-lapse video to see the 12-hour process in just over a minute.

**[www.trb.org/Publications/PubsNCHRPResearchResultsDigests.aspx](http://www.trb.org/Publications/PubsNCHRPResearchResultsDigests.aspx)**

Research Results Digest 355 summarizing key findings from NCHRP Project 10-71 titled *Cast-in-Place Concrete Connections for Precast Deck Systems* is available from this National Cooperative Highway Research Program website.