

# 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

**[www.udot.utah.gov/main/f?p=100:pg:0:::T,V:1991](http://www.udot.utah.gov/main/f?p=100:pg:0:::T,V:1991)**

This Utah Department of Transportation website contains more information about Utah's Accelerated Bridge Construction (ABC) program mentioned on page 18.

**[www.pcine.org/index.cfm/projects/Bridges](http://www.pcine.org/index.cfm/projects/Bridges)**

Go to this website and click on the photograph of the Cross Street Bridge for more photographs of this unique bridge in Vermont.

**[www.fhwa.dot.gov/hfl/summary/ia/](http://www.fhwa.dot.gov/hfl/summary/ia/)**  
**[www.fhwa.dot.gov/hfl/summary/ut0409/](http://www.fhwa.dot.gov/hfl/summary/ut0409/)**  
**[www.fhwa.dot.gov/hfl/summary/or/](http://www.fhwa.dot.gov/hfl/summary/or/)**

These three FHWA Highways for Life websites contain details about the projects in Iowa, Utah, and Oregon mentioned in the FHWA article on page 42.

**<http://apps.trb.org/cmsfeed/TRBNetProjectDisplay.asp?ProjectID=1232>**

This website contains the report titled *Verification and Implementation of Strut-and-Tie Model in LRFD Bridge Design Specifications* referenced in the AASHTO LRFD article on page 52.

**<http://www.whrp.org/research-areas/structures/downloads/06-06%20Final%20Report.pdf>**

The complete report titled *Evaluation of Select Methods of Corrosion Control, Corrosion Prevention, and Repair in Reinforced Concrete Bridges* summarized in the Concrete Bridge Preservation Section on page 37 is available at this website.

**[www.oregon.gov/ODOT/HWY/REGION1/ColumbiaGorge](http://www.oregon.gov/ODOT/HWY/REGION1/ColumbiaGorge)**

This Oregon Department of Transportation website contains information related to the I-84 Corridor Strategy and bridge projects mentioned on page 15. The website includes an overview, project site map, schedule, budget, contacts, and information about different projects.

## 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.

## Bridge Technology

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

Previous issues of *ASPIRE*™ are available as pdf files and may be downloaded as a full issue or individual articles. Information is available about subscriptions, advertising, and sponsors. You may also complete a reader survey to provide us with your impressions about *ASPIRE*. It takes less than 5 minutes to complete.

**[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 64 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. Sign up at this website for a free subscription.

**NEW** **[www.fhwa.dot.gov/everydaycounts/technology/bridges/intro.cfm](http://www.fhwa.dot.gov/everydaycounts/technology/bridges/intro.cfm)**

This website contains information about the FHWA Every Day Counts (EDC) initiative as it relates to prefabricated bridges. An EDC Innovation Box is provided where you may share your ideas on how to shorten project delivery or accelerate technology and innovation deployment.

**NEW** **[www.wsdot.wa.gov/eesc/bridge/ABC/](http://www.wsdot.wa.gov/eesc/bridge/ABC/)**

Visit this Washington State DOT website to learn more about the state's accelerated bridge program and available resources.

**<http://international.fhwa.dot.gov/pubs/pl10014/pl10014.pdf>**

The U.S. Federal Highway Administration's Office of International Programs has released a report titled *Assuring Bridge Safety and Serviceability in Europe*. The report describes a scanning study of Europe that focused on identifying best practices and processes designed to help assure bridge safety and serviceability. The scan team gathered information on safety and serviceability practices and technologies related to design, construction, and operations of bridges. A summary of the study was provided in *ASPIRE* Winter 2010, page 50.

**[www.tsp2.org/bridge](http://www.tsp2.org/bridge)**

This website was developed to provide highway agencies and bridge preservation practitioners with on-line resources about bridge preservation, maintenance, and inspection.

## Bridge Research

**[www.trb.org/CRP/NCHRP/NCHRPprojects.asp](http://www.trb.org/CRP/NCHRP/NCHRPprojects.asp)**

This website provides a list of all National Cooperative Highway Research Program (NCHRP) projects since 1989 and their current status. Research Field 12—Bridges generally lists projects related to bridges although projects related to concrete materials performance may be listed in Research Field 18—Concrete Materials.

**[http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp\\_rpt\\_654.pdf](http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_rpt_654.pdf)**

NCHRP Report 654, *Evaluation and Repair Procedures for Precast/Prestressed Concrete Girders with Longitudinal Cracking in the Web*, explores the acceptance, repair, or rejection of precast/prestressed concrete girders with longitudinal web cracking. The report also includes suggested revisions to the AASHTO LRFD Bridge Design Specifications and improved crack control reinforcement details to use in new girders.