

# 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.eiolca.net](http://www.eiolca.net)

This Carnegie-Mellon University website contains the Economic Input-Output Life Cycle Assessment (EIO-LCA) mentioned in the Perspective on page 13.

### [www.wbdg.org/tools/cwm.php](http://www.wbdg.org/tools/cwm.php)

Visit this National Institute of Building Sciences website for the Construction Waste Management Database referenced in the Perspective on page 14. Created in 2002 by the U.S. General Services Administration to promote responsible waste disposal, the database is a free online service for those seeking companies that recycle construction debris in their geographic location. The database is searchable by material and zip code.

### [www.international.fhwa.dot.gov](http://www.international.fhwa.dot.gov)

Go to this website and click on "Publications" for scanning tour reports mentioned in the Safety and Serviceability article on page 50.

## 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.

### [http://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*<sup>™</sup> 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 58 issues of *HPC Bridge Views*, an electronic newsletter published jointly by the FHWA and the National Concrete Bridge Council (NCBC) to provide relevant, reliable information on all aspects of high-performance concrete in bridges. Sign up at this website for a free subscription.

### [www.fhwa.dot.gov/pavement/concrete/asr.cfm](http://www.fhwa.dot.gov/pavement/concrete/asr.cfm)

This new online Alkali-Silica Reactivity Reference Center provides users with one-stop access to ASR-related information. The site features an overview of ASR, as well as research reports, specifications, guidance documents, case studies, and links to other useful websites. The FHWA report titled *Report on Determining Reactivity of Concrete Aggregate and Selecting Appropriate Measures for Preventing Deleterious Expansion in New Concrete Construction* may be accessed and downloaded from this website.

### **NEW** [http://www.wes.army.mil/SL/MTC/handbook/crd\\_c662.pdf](http://www.wes.army.mil/SL/MTC/handbook/crd_c662.pdf)

A new test method, CRD-C 662-09, titled *Test Method for Determining the Alkali-Silica Reactivity of Combinations of Cementitious Materials, Lithium Nitrate Admixture and Aggregate (Accelerated Mortar-Bar Method)* has been released by the U.S. Army Corps of Engineers and can be accessed at this website.

### **NEW** <http://knowledge.fhwa.dot.gov/cops/ep.nsf/home>

Come join the FHWA's new online Information Exchange for Bridges at this website, which offers information on innovative products and processes for bridge construction. The report titled *Connection Details for Prefabricated Bridge Elements and Systems* is available.

### [www.nhi.fhwa.dot.gov/about/realsolutions.aspx](http://www.nhi.fhwa.dot.gov/about/realsolutions.aspx)

Presentations from a monthly seminar series offered online by the Federal Highway Administration National Highway Institute are available to listen to or download from this website. Guest speakers discuss challenges they have faced in the field and innovative solutions used to address those challenges. Seminars relevant to bridges include Probability-Based Design and Rating Methodologies, I-70 Overpass Beam Failure, New Technologies in Driven Piles, and Use of Self-Propelled Modular Trailers.

### [www.specs.fhwa.dot.gov](http://www.specs.fhwa.dot.gov)

This site serves as a clearinghouse and electronic library where users can search, review, cross-reference, and download the most current specifications, construction manuals, and drawings. Materials on the site have been submitted by state departments of transportation and other agencies and include access to specifications, construction manuals, and standard drawings.

## 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://www.trb.org/news/blurb\\_detail.asp?id=10217](http://www.trb.org/news/blurb_detail.asp?id=10217)**  
*NCHRP Synthesis 393, Adjacent Precast Concrete Box Beam Bridges: Connection Details* explores current design and construction practices that are reported to reduce the likelihood of longitudinal cracking in box beam bridges.