

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.

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www.carmellink.org

This website contains information about the Keystone Avenue reconstruction project described on page 24. The site contains a drive-through simulation, written instructions on how to navigate the new roundabouts, and an instructional video for both drivers and pedestrians.

www.fhwa.dot.gov/hfl

Visit this website for more information about the Highways for LIFE program described on page 42. Separate sites address Innovations, Communications, Technology Partnerships, Demonstration Projects, and Technology Transfer.

www.udot.utah.gov/main/f?p=100:pg:0:::::TV:1991

This Utah Department of Transportation website contains more information about Utah's Accelerated Bridge Construction (ABC) program described on page 44.

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

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

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

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

This website contains 62 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 <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.

[http://onlinepubs.trb.org/onlinepubs/archive/NotesDocs/20-07\(229\)_FR.pdf](http://onlinepubs.trb.org/onlinepubs/archive/NotesDocs/20-07(229)_FR.pdf)

An NCHRP report titled *Bridge Construction Practices Using Incremental Launching* is available at this web address. The report includes a review of current practice, a manual of best practice, and a strategic plan for increasing use of the incremental launching method.

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

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.

NEW www.utexas.edu/research/ctr/pdf_reports/0_5706_1.pdf

The Center for Transportation Research of the University of Texas at Austin has released a research report titled "Impact of Overhang Construction on Girder Design." The research included field monitoring, laboratory testing, and parametric analyses. The report includes recommendations for prestressed concrete girder systems.

NEW 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.

NEW http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_rpt_651.pdf

NCHRP Report 651, *LRFD Design and Construction of Shallow Foundations for Highway Bridge Structures* contains recommended changes to Section 10 of the AASHTO LRFD Bridge Design Specifications for the strength limit state design of shallow foundations.

http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_rpt_645.pdf

NCHRP Report 645, *Blast-Resistant Highway Bridges: Design and Detailing Guidelines* explores code-ready language containing general design guidance and a simplified design procedure for blast-resistant reinforced concrete bridge columns. The results of experimental blast tests and analytical research on reinforced concrete bridge columns are reported.