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

http://www.oregon.gov/ODOT/HWX/OTIA
Information about the Oregon Transportation Investment Act is available at this site. Click on OTIA III Bridge Delivery Program for specific information related to bridges.

http://projects.dot.state.mn.us/35wbridge/index.html
Visit this website for the latest information about the I-35W St. Anthony Falls Bridge and to view the on-site webcams.

www.ncdot.org/projects/us17bypass/
This North Carolina Department of Transportation website contains information about the U.S.17 Washington Bypass.

http://environment.transportation.org/teri%5Fdatabase/
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.

http://www.franklincountyengineer.org/bridge_inventory.htm
Visit this site for an inventory of bridges in Franklin County, Ohio, including photographs and a description of each structure.

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.

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 50 issues of HPC Bridge Views, a newsletter published jointly by the FHWA and the NCBC to provide relevant, reliable information on all aspects of high-performance concrete in bridges.

Bridge Research

www.trb.org/news/blurb_detail.asp?id=8815
The U.S. FHWA's Turner-Fairbank Highway Research Center (TFHRC) has released a report that provides a brief overview of individual TFHRC laboratories, their current activities, and laboratory managers.

http://ntlsearch.bts.gov/tris/index.do
The Transportation Research Information Services (TRIS) online database contains over half a million records of published transportation research including technical reports, books, conference proceedings, and journal articles.

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. Some completed projects are described below:

http://trb.org/news/blurb_detail.asp?id=3257
NCHRP Report 517, Extending Span Ranges of Precast Prestressed Concrete Girders, contains the findings of research performed to develop recommended load and resistance factor design procedures for achieving longer spans using precast, prestressed concrete bridge girders. Spliced girders were identified as the design option with the greatest potential for extending span lengths.

http://trb.org/TRBNet/ProjectDisplay.asp?ProjectID=349
NCHRP Report 549, Simplified Shear Design of Structural Concrete Members, contains the findings of research performed to develop practical equations for design of shear reinforcement in reinforced and prestressed concrete bridge girders. Recommended specifications and commentary plus examples illustrating application of the specifications were also developed. The results of this research have been incorporated into the AASHTO LRFD Bridge Design Specifications.

www.trb.org/news/blurb_detail.asp?id=8693
NCHRP Report 584 Full-Depth Precast Concrete Bridge Deck Panel Systems examines recommended guidelines and the AASHTO LRFD specifications language for design, fabrication, and construction of full-depth precast concrete bridge deck panel systems. Recommended guidelines and proposed revisions to the LRFD specifications language are available as online appendices.