



Wireless remote strain monitoring equipment, J.F.K. Bridge, Ohio River at Louisville



Railway overpass of advanced, weldable, weathering steel, Lake Villa, Illinois



Slip form paving to extend Illinois North-South Tollway (I-355)

Developing a Research Agenda for Transportation Infrastructure Preservation and Renewal

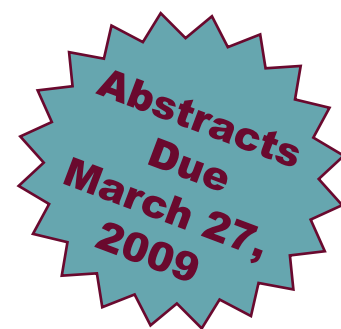
November 12–13, 2009

**Keck Center of the National Academies
Washington, D.C.**

Organized by
Transportation Research Board

Supported by
Research and Innovative Technology Administration, U.S. Department of Transportation

www.TRB.org/conferences/2009/Infrastructure



This conference will bring public and private infrastructure owners and decision makers together with researchers to consider infrastructure preservation problems, needs, and achievements, in order to identify opportunities for research to help manage and preserve surface transportation infrastructure.

Many elements of the surface transportation infrastructure are deteriorating as a consequence of both aging and growing stresses. Traffic volumes press the capacity of facilities, truck traffic has increased, railcars have grown heavier, and many control systems have surpassed their functional lives. The consequences of deficient and obsolete bridges and structures, pavements, and other transportation components include increased user costs, traffic delays, crashes, load limitations, facility closures, and greater uncertainty for owners and users.

Under these circumstances, transportation infrastructure components require regular monitoring, management, and continuing fact-driven reinvestment to maintain their condition and ensure performance, safety, and security. Effective and efficient materials, technologies, and tools must be developed

and deployed to protect transportation infrastructure while meeting cost-effectiveness and sustainability goals. Proposals for presentations and posters covering the following and related areas are welcome:

- Inventory and condition assessment methods, including technologies for intelligent infrastructure health monitoring; remote, automated sensing and reporting; and advanced models of deterioration processes.
- Innovative—and environmentally responsible—materials and methods for preservation, restoration, and reconstruction of transportation infrastructure.
- Methods to identify and ensure the sustained performance of essential transportation facilities.
- Strategies for rapid repair and rehabilitation, including designs, construction procedures, contracting, incentives, and project management tools.
- Methods to estimate life-cycle costs and to support decision making for infrastructure preservation and renewal.

Planning Team

Joseph L. Schofer, Northwestern University, *Chair*
Thomas Bolle, Research and Innovative Technology Administration
Leonard Evans, Ohio Department of Transportation
Michael P. Freeman, Union Pacific Railroad
Larry L. Galehouse, National Center for Pavement Preservation
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Samer Madanat, University of California, Berkeley
Ali Maher, Rutgers University
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John J. Myers, Missouri University of Science and Technology
Robert L. Peskin, AECOM Transportation, Inc.
Curtis Tompkins, Research and Innovative Technology Administration
Butch Wlaschin, Federal Highway Administration

TRB Staff
Thomas Palmerlee
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Submitting an Abstract

If you have experience in any of these topics and would like to submit an abstract, please use the website below to submit by **March 27, 2009**.

www.trb.org/conferences/2009/Infrastructure/abstracts

The proposed presentation should pertain to one of the five focus areas, should convey the presentation material clearly, and should not exceed 300 words. The planning team will assemble a combination of presentation formats, including 30-in. x 40-in. posters, to stimulate dialogue among participants. Abstracts must be submitted electronically.

Submitters will be notified in early spring whether their abstract has been accepted for presentation. Presenters will be required to submit a three- to five-page written summary of their presentation or poster before the conference and are expected to register and attend the conference.

The conference does not have funding to subsidize travel or to support research efforts financially. The Research and Innovative Technology Administration, however, has approved participation in this conference as an allowable expense under the University Transportation Centers Program. Faculty, researchers, and graduate students who are conducting research or other work of benefit to their university's University Transportation Center may seek funding for travel support through the center.

Contacts

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Registration Information

	Early Bird: Expires Sept. 17, 2009	Advance: Expires Oct. 15, 2009	Regular: After Oct. 15, 2009
General	\$225	\$275	\$325
Speaker & Sponsor	\$175	\$225	\$275
Student	\$125	\$175	\$225

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Hotel Information

Hyatt Regency Washington on Capitol Hill
400 New Jersey Avenue, NW
Washington, DC 20001
Phone: 202-737-1234; fax: 202-737-5773

Special TRB rate: \$209
Cutoff: October 5, 2009

Event Name: Transportation Infrastructure Preservation
and Management Conference
<http://washingtonregency.hyatt.com/groupbooking/wasrwrtrb12009>

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