What is bridge performance? Why is it important to enhance what we know about it? What do we need to ensure our nation's bridges are safe, efficient, economical, and durable? And how can we manage them better? A half-day session at this year’s TRB Annual Meeting will address these questions and more.

Hear from the team engaged in the Long-Term Bridge Performance (LTBP) program, FHWA’s flagship program to conduct a comprehensive examination of our nation’s “workhorse” highway bridges.

The study will involve a diverse team of experts from industry, government agencies, and academia.

The current status of all significant features of the program will be described and audience input will be solicited.

For information, visit

http://www.tfhrc.gov/ltbp
January 15, 2009 • 8 a.m.–12 p.m.

Long-Term Bridge Performance Program Session at TRB

Sponsored by: Committee on Structures Maintenance, Committee on Bridge Management, Committee on Dynamics and Field Testing of Bridges

Long-Term Bridge Performance Program Part 1

John M. Hooks, Highway R&D Services, presiding

LTBP: Why a 20-Year Research Program and What Do We Expect to Achieve?
Author/Presenter: Hamid Ghasemi, Federal Highway Administration

Defining and Measuring Bridge Performance
Co-author/Presenter: Michael J. Abrahams, Parsons Brinckerhoff

LTBP: Roadmap for the First Five Years
Co-author/Presenter: Ali Maher, Center for Advanced Infrastructure and Transportation, Rutgers University

Critical Long-Term Bridge Performance Data Priorities and Bridge Selections
Co-author/Presenter: Michael C. Brown, Virginia Transportation Research Council

Roundtable Discussion: Long-Term Bridge Performance Issues, Priority Data, and the LTBP Bridge Sampling Plan
Ahmet Emin Aktan, Drexel University
Wade F. Casey, Federal Highway Administration
Paul D. Thompson, Consultant
Bojidar S. Yanev, New York City Department of Transportation
TBD

Long-Term Bridge Performance Program Part 2

Ahmet Emin Aktan, Drexel University, presiding

Pilot Study for Road Testing LTBP
Co-author/Presenter: Andrew J. Foden, Parsons Brinckerhoff

Bridge Monitoring: Instrumentation
Co-author/Presenter: Marvin W. Halling, Utah State University

Bridge Monitoring: Nondestructive Evaluation
Co-author/Presenter: Nenad Gucunski, Center for Advanced Infrastructure and Transportation, Rutgers University

LTBP Database
Co-author/Presenter: Mathaeus Dojori, Siemens Corporate Research

Roundtable Discussion: Stakeholder Participation in LTBP
Thomas D. Everett, Federal Highway Administration
John M. Hooks, Highway R&D Services
TBD

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