

Thursday, January 14, 2010, 8:00am-12:00pm, Marriott, Thurgood Marshall East

Status of FHWA's Long-Term Bridge Performance Program

**Dr. Hamid Ghasemi**, Federal Highway Administration, presiding

*Sponsored by Committee on Structures Maintenance*

The goal of FHWA's 20-year Long Term Bridge Performance (LTBP) research program is to develop a better understanding of how highway bridges perform under a variety of service conditions. This workshop presents an update on the program goals, priorities, main features and current status. The ongoing pilot phase of the program will be described with information on the regimen of visual inspection, nondestructive testing, sampling (such as deck cores), instrumentation, modeling, load testing and monitoring. The findings and conclusions of the pilot study will help direct future program activities. The long term data collection phase and the process of selecting LTBP bridges will also be presented.

Long Term Bridge Performance Program, Part 1

Hamid Ghasemi, Federal Highway Administration, presiding

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Opening Remarks (P10-1551)

Jorge Pagan, Federal Highway Administration

LTBPP Accomplishments (P10-1552)

Hamid Ghasemi, Federal Highway Administration

LTBPP –Research Approach (P10-0254)

Ali Maher, Rutgers University

LTBPP –Research Priorities (P10-1553)

John Hooks, Highway R&D

LTBPP Pilot Study Phase (P10-0255)

John Penrod, Federal Highway Administration

Visual Inspection of the LTBPP Pilot Bridges (P10-0257)

Andrew Foden, Parsons Brinckerhoff

Pilot Bridge Preliminary Deck Surveys (P10-0260)

Nenad Gucunski, Rutgers University

Michael Carey Brown, Virginia Transportation Research Council

Richard Weyers, Virginia Polytechnic University & State University

Spencer Guthrie, Brigham Young University

Question and Answer Session

**BREAK**

**LTBPP Bridge Assessment Decisions Tool** (P10-1546)

[Benoit Kroely](#), Advitam  
[Alexandre Chaperon](#), Advitam

**Pilot Bridge Live Load Dynamic Testing and Long Term Monitoring** (P10-0259)

[Tommy E. Cousins](#), Virginia Polytechnic University & State University  
[Paul Barr](#), Utah State University  
[Marvin W. Halling](#), Utah State University  
[Carin Roberts-Wollmann](#), Virginia Polytechnic University & State University

**LTBPP Data Infrastructure Managing Diverse Data Types** (P10-0261)

[Mathaeus Dejori](#), Siemens Corporate Research  
[Claus Neubauer](#), Siemens Corporate Research

**Integrated Asset Management** (P10-1554)

[Larry Cullari](#), Federal Highway Administration

**Proposed Methodology for Bridge Sampling** (P10-1555)

[Nick Vitillo](#), Rutgers University  
[Ali Rezvani](#), Rutgers University

**LTBPP- Moving Forward** (P10-0262)

[Frank Moon](#), Drexel University  
[Ali Maher](#), Rutgers University

**Panel Discussion**(P10-0996)

[Ali Maher](#), Rutgers University  
[Dennis Mertz](#), University of Delaware  
[Frank Moon](#), Drexel University  
[Emin Aktan](#), /Drexel University  
[Andrew Foden](#), Parsons Brinckerhoff  
[John Hooks](#), Highway R&D  
[Steve Chase](#), University of Virginia  
[Dan Frangopol](#), Lehigh University