MEETING AGENDA

DYNAMICS AND FIELD TESTING OF BRIDGES COMMITTEE MEETING
at the 86th Annual Meeting of the Transportation Research Board

TRB Committee: AFF40

Date/Time: Monday, January 22, 2007, 8:00 am - 12:00 pm

Location: Marriot Hotel
Washington, D.C.

1. Call to Order

2. Introductions

3. Remarks by Chairman Walther

4. On-Going Bridge Projects: Subcommittee A organized by Robert Sweeney

   4.1. “New FHWA Exploratory Advanced Research Program” Steve Chase

   4.2. "FHWA NDE Center Update" Frank Jalinoos

   4.3. “Comparisons of Real Time Vibration Monitoring with Forced Vibration Testing”
       Marvin W. Halling, Paul J. Barr, and Joseph Stuart.

   4.4. “Bridge cable strength assessment” Khaled Mahmoud

   4.5. “A hands-on method of cable inspection” David Barrett

   4.6. “In the field evaluation of dampers” David Barrett

   4.7. “Acoustic monitoring of the Chesapeake Bay Bridge in Annapolis, MD” Mike Higgins

   4.8. “Field Measurement Based Off-line Stiffness Identification of a Cable-stayed Bridge Using Neural Networks”
       Genda Chen, Ph.D., P.E.

   4.9. “Update on European joint research project on railway bridges (Sustainable Bridges)” Ernst Niederleithinger, BAM

   4.10. “Field demonstration of NDT at a masonry arch bridge in Poland (Automated radar scanning, 3D electrical resistivity, laser deformation measurement)”. Ernst Niederleithinger, BAM

   4.11. “Ultrasonic bridge testing with a vacuum attached scanner” Ernst Niederleithinger, BAM

   4.12. Others. The program will allow for Members and Friends of the Committee to offer impromptu comments related to on-going projects of interest to the Committee.
BUSINESS PORTION OF MEETING

5. Approval of 2006 Meeting Minutes

6. TRB Announcements - Stephen Maher, TRB Representative to AFF40

7. Section Announcements - Mary Lou Ralls, Chair Division AFF00 Structures Section

8. Review of 2007 TRB Meeting Sessions & Workshop

   Sunday, January 21, 2007, 8:30am-12:00pm, Marriott
   Making Sense of Sensors Used to Monitor Bridges
   Eli Cuelho, Western Transportation Institute; Jerry E. Stephens, Montana State
   University, Bozeman, presiding

   Monday, January 22, 2007, 3:45pm- 5:30pm, Shoreham
   FHWA’s Long-Term Bridge Performance Program
   Steven B. Chase, Federal Highway Administration; Amid Ghasemi, Federal
   Highway Administration, presiding

   Monday, January 22, 2007, 7:30pm- 9:30pm, Shoreham
   Dynamic Testing of Bridges
   Glenn Washer, University of Missouri, Columbia, presiding

   Tuesday, January 23, 2007, 1:30pm- 3:15pm, Shoreham
   Field Testing of Bridges
   Mark D. Bowman, Purdue University, presiding


10. 2007 Committee Rotation

11. TRBNews Focus Issue for Structures

12. Emeritus Member Nomination

REPORTS and SUBCOMMITTEE STRUCTURE

13. AFF40-1, NDE Subcommittee Report by Dr. Glenn Washer

   13.1. Tuesday, January 23, 2007, 10:15am-12:00pm, Marriott
   Non-destructive Evaluation of Structures Subcommittee, AFF40(1)
   Glenn Washer, University of Missouri, Columbia, presiding
   
   14.1. Committee Members should come prepared to discuss Research Needs for 2007 and beyond

15. Subcommittee C - Information Transfer (M. Chajes)

   
   16.1. Review of TSE results - Name Change and Scope Change need to be addressed

17. Subcommittee A - Presentations/Workshop (All)
   
   17.1. 2008 Workshops
   
   17.2. 2008 Sessions - possible topics and number of sessions/workshop

18. Other Business