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Minutes of Committee Meeting

Transportation Asset Management Committee - ABC40

Hilton Hotel, Washington, D.C.

Tuesday, January 12, 2010, 1:30 PM-3:15 PM

Attendance (Attached)

General Items

1. Introduction

The incoming Committee Chair, Katie Zimmerman, called the meeting to order at 1:30 PM. Ms. Zimmerman opened the meeting by welcoming the Committee's members and friends and explaining that the Chair, Dr. Sue McNeil was traveling in Australia and was not able to attend TRB this year. Copies of the meeting agenda were distributed. An attendance roster was circulated to the committee members for validation. The attendees made self-introductions.

TRB Related Activities

2. Review Status, Leadership, and Membership

As part of the Committee's required rotation, one-third of the Committee members will be rotated off. New members representing diverse organizations, age groups, and geographic areas, as well as foreign countries and regions will be appointed effective on March 1, 2010. The new members are required to attend at least one of the Committee's annual and summer meetings and urged to be as active as possible. The ex-members can still be active in providing assistance to the Committee as a friend. Dr. Sue McNeil's term as the Committee Chair is scheduled to end on February 28, 2010 and the Committee extended its sincere thanks to her leadership and tireless work for the Committee.

3. The Minutes of 2009 Annual Committee Meeting

The minutes of 2009 annual committee meeting were accepted.

4. TRB Staff and Section Report

Tom Palmerlee and Barbara Martin of TRB briefly discussed the following items:

- The 2010 TRB Joint Summer Meeting. More than 300 transportation professionals are expected to participate in the 2010 TRB Joint Summer Meeting with the theme of *Planning and Performance Measurement for All Modes* on July 11-14, 2010, in Minneapolis, Minnesota. The meeting features individual meetings, joint collaborative sessions, and optional workshops.
- Research Needs Statements. The research needs statements submitted in the past have been posted to the searchable database.
- State of TRB Report. This document is being provided to Chairs of TRB Groups, Sections, Committees, and Task Forces for their information and use in planning committee activities. The report contains information on updated technical activities, a

leadership guide, strategic plan information, 2010 TRB annual meeting news, a summary of TRB staff and committee progress in enhancing the use of communications tools, a description of TRR impacts, and TRB program updates.

- TRB, FHWA, and AASHTO Collaboration. Travel restrictions motivate exploring other means to keep the three leading entities closely connected to promote asset management implementation in the country. In particular, Webinar series will be arranged more frequently to fulfill this need.
- TR News. The TR News is published bimonthly on innovative and state-of-the-art transportation research and practice, research pays off articles, profiles of transportation professionals, workshop and conference announcements, new book notices, and news of interests to transportation communities and of TRB activities. Each issue usually contains 15-20 pages plus graphs. The Committee is pleased to be involved in assembling a theme issue of TR News focused on transportation asset management. The issue Coordinator is Dr. Sue McNeil and it will appear in late 2010.
- 2011 TRB Annual Meeting. The 2011 TRB Annual Meeting will be held on January 23-27, 2011. The next year's spotlight theme is *Transportation, Livability, and Economic Development in a Changing World*. Some cosponsored sessions with TRB design, construction, and safety committees may be arranged. The TRB will continue using exhibits to provide a venue for interactions among the meeting attendants.

5. Annual Report and Update on TRB Committee Activities

a. *Papers at the 2010 Annual Meeting*

For the 2010 TRB Annual Meeting, the Committee received 8 papers overall. Five papers were accepted for poster sessions. Fifty reviews were assigned.

b. *2010 TRB Annual Meeting Sessions and Meetings*

Paper or Conference Sessions

- TPS10-008: Research Agenda for Transportation Infrastructure Preservation and Renewal, January 12 2010, 10:15AM- 12:00PM, Hilton
- TPS10-007: Understanding the Role of Maintenance Management in Asset Management, January 13 2010, 4:30PM- 6:00PM, Marriott
- TPS10-011: Infrastructure Management Research from the Next Generation, Jan 13 2010, 10:15AM- 12:00PM, Hilton

Poster Session

- TPP10-004: Can We Really Put It All Together? Systems Perspectives and Issues in Asset Management, January 11 2010, 9:30AM- 12:00PM, Hilton

Cosponsored Session

- TPS10-001: Knowledge Management: Successful Practices for Succession Planning Jan 12 2010 8:00AM- 9:45AM, Hilton

Workshops

- TPW10-002: Geographic Information Systems for Asset Management, January 10 2010, 9:00AM- 12:00PM, Shoreham

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- TPW10-009: AASHTO Transportation Asset Management Guide, Volume 2: A Focus on Implementation, January 10 2010, 1:30PM- 4:30PM, Shoreham

Published Meetings

- TPM10-011: ABC40 Committee Meeting, January 12 2010, 1:30PM- 3:15PM - Hilton
- TPG10-002: AASHTO Asset Management Subcommittee Joint Meeting, January 12 2010, 12:15PM- 1:15PM, Hilton.

c. *Sessions Proposed for the 2011 Annual Meeting*

The following sessions were proposed:

- Asset management data accessibility, liability, and confidentiality (**Jack Stickel, Omar Smadi, and Jeff Price** volunteered to organize).
- Transportation asset management plans and best practices was proposed as a workshop (**Jeff Price, Francine Shaw Whitson, Ken Jacoby, and Ali Rezvani** volunteered to organize).
- Results from the Pooled Fund Study conducted as part of the Portland National Conference (no one volunteered to coordinate this effort).
- Geotechnical asset management (**Bob Gladstone** volunteered to lead the effort. This could build on the TRB Symposium expected to be held in Oklahoma City this year).
- Missing linkage between engineering and economic aspects for asset managers (**Nate Coley, Will Puffer, James Hall** volunteered to organize this directed session).
- An asset management workshop on standardizing asset condition ratings (no one volunteered to coordinate this effort).

d. *2010 Mid-Year Committee Meeting*

Since the Committee is experiencing a change in leadership, and because the AASHTO Asset Management Subcommittee is updating its strategic plan this year, the incoming Chair suggested that it might be a good idea to host a strategic planning session as the Summer Meeting. Several options were discussed for hosting the session, including combining the meeting with either the 2010 TRB Joint Summer Meeting or the AASHTO Asset Management Subcommittee. Alternatively, a separate session could be scheduled in Washington, DC. The incoming Chair will send out a poll to Committee members and friends in the spring to explore these options. **Several people volunteered to help with the planning of the summer meeting, including Francine Shaw Whitson, Jason Bittner, Thomas Van, and Bill Roberts.**

e. *Communications*

At the request of TRB, the Committee discussed the potential use of social networks and the potential appointment of a Committee Communications Director. Some Committee members indicated that their employers block social networking websites, so that should be considered as the Committee moves forward. The TAM Committee also uses its TAM Today website extensively, so its role should be revisited in light of other forms of communication. The Committee agreed to revisit this topic at the summer strategic planning session. **Tom Van, Nate Coley, Elizabeth Harris, and David Blake** volunteered to present recommendations on this subject at the summer meeting.

f. *Request for a Joint Subcommittee on Car Pooling*

The Committee received a request from Paul Minett to sponsor a new proposed joint subcommittee titled The TRB Reinventing Carpooling Joint Subcommittee. The proposal was introduced, but there was no interest among the Committee members to move forward with the proposal.

g. *Subcommittee Activities*

Will Puffer announced that a webinar is being planned for early 2010 on the Asset Life Cycle – The Broad View. Katie Zimmerman announced that the subcommittee on the Integration of Maintenance and Operations with Asset Management, which she co-chairs with Lacy Love, was sponsoring a session with the TRB Committee on Maintenance and Operations Management. Finally, a group of volunteers is working with Dr. Sue McNeil to prepare the materials for the fall 2010 theme issue of TRNews focused on asset management.

TRB/AASHTO Joint Activities on Transportation Asset Management

6. Year in Review

a. *FHWA*

i) *Update on Activities of FHWA Office of Asset Management*

Butch Wlaschin noted that the Office maintains three technical teams: system management and monitoring, preservation, and evaluation and economic investment. The Office continues its strong commitment to provide training, tools, and deployment assistance to advance asset management. They also participate in monthly phone calls with the leaders of the TRB Transportation Asset management Committee and AASHTO Asset Management Subcommittee to foster asset management implementation nationwide. Some major recent activities conducted by the FHWA Office of Asset Management are highlighted as follows:

- Developed 2-year action plan and work plans for the 52 field offices to promote asset management at state and local levels, such as keeping the consistency of data collection, standardizing asset condition rating methods, and utilizing Webinars to enhance interactions among asset management practitioners.
- Prepared memos on treatment of management system costs and snow removal on sidewalks constructed with federal funding.
- Conducted a survey of state practice for reporting data and one on training needs.
- Provided support for the following peer exchanges:
 - Last spring- transportation asset management and performance.
 - Next spring AASHTO meeting – how does preservation fit into transportation asset management?
 - Next spring – Asset management and GIS.
- Published reports on transportation asset management case studies and asset management overviews.
- Provided support on new legislation, which will clearly focus on preservation.
- Offered training on pavement management systems and sponsored the update to the asset management course.

ii) *Update on Activities of FHWA Office of Planning*

Kenneth Petty of the FHWA Transportation Planning Capacity Building (TPCB) Program introduced the TPCB Website (<http://planning.dot.gov>), regarded as a one-stop clearinghouse for state-of-the-practice transportation planning information and resources. The Program is designed to help decision makers, transportation officials, and staff resolve the increasingly complex issues they face when addressing transportation needs in their communities. This comprehensive program for training, technical assistance, and support targets State, local, regional, and Tribal governments, transit operators, and community leaders.

b. AASHTO Asset Management Subcommittee

The AASHTO Asset Management Subcommittee coordinates actions for AASHTO with TRB and FHWA. Kirk Steudle, Chair of AASHTO Asset Management Subcommittee, briefly conveyed the Subcommittee's focus areas:

- Joint peer exchanges with state transportation agencies and MPOs to promote asset management practices. For example, Kirk discussed a Peer Exchange that was conducted in August 2009 through funding provided by FHWA. A total of 12 states participated to discuss the management of highway performance. They discussed the types of performance measures that are used consistently. A report from the Peer Exchange was provided to attendees.
- Influencing reauthorization of the next Transportation Bill to promote performance-based management of roads, bridges, safety, congestion, environment, and freight.
- Developing a strategic plan for performance-based management. The strategic planning session will be conducted in Chicago in July 2010 and will be conducted in coordination with a Peer Exchange on the reauthorization and the use of performance measures.
- Joint Efforts of AASHTO Subcommittees: The AASHTO Asset Management Subcommittee, Maintenance Subcommittee, and Environmental Subcommittee work together to promote adoption of asset management principles.
- Publishing the Transportation Asset Management Guide, Volume II.
- Backing off on the promotion of AssetManagerNT/PT as AASHTOWare.

Kirk also stressed that the use of Webinars has been a great success and will be continued.

c. 8th National Conference on Asset Management

TRB sponsored the 8th National Conference on Transportation Asset Management: Putting the Asset Management Pieces Together on October 19-21, 2009, in Portland, Oregon. The conference was designed to explore emerging issues in transportation asset management including trade-off analysis, optimization, system management, and safety. The E-circular of this conference that summaries the sessions will be published.

d. Developing a Research Agenda for Transportation Infrastructure Preservation and Renewal

TRB sponsored the Developing a Research Agenda for Transportation Infrastructure Preservation and Renewal Conference on November 12-13, 2009, in Washington, D.C. The conference was designed to explore infrastructure preservation problems, needs, and achievements, with the goal of identifying potential opportunities for research in managing and preserving surface transportation infrastructure.

7. Update on Ongoing NCHRP Projects and Synthesis Topics

Andy Lemer provided a summary of several NCHRP projects and proposals. The following activities were included in the report.

- a. *NCHRP Project 8-69: Supplement to the AASHTO Transportation Asset Management Guide: Volume 2 - A Focus on Implementation*
Development of an implementation guide for asset management including processes and tools that can be used to implement TAM, strategies for enhancing communication about TAM and ways ERP systems can effectively support TAM. Final report completed.
 - b. *NCHRP Project 20-74: Developing an Asset Management Plan for the Interstate Highway System*
Identification of appropriate asset indicators for the interstate highway system and development of an implantable asset management framework for interstate highway system investments. Final report completed.
 - c. *NCHRP Project 20-74A: Development of National Level of Service Criteria for the Interstate Highway System*
Development of a standard way to describe the service level of Interstate Highway System assets that could be used to benchmark performance. Final report anticipated Spring 2010.
 - d. *NCHRP Project 20-7(Task 259): Assessment of State-of-the-Practice for Identifying Earth Retaining Structures*
This task will develop recommendations for conducting an inventory and condition assessment of earth retaining structures. Project completed in winter 2009.
 - e. *NCHRP Project 20-24*
This project performed research of special interest to Chief Executive Officers of state transportation agencies. A number of major tasks were involved: Task 20-24(6)A- Measuring State Transportation Program Performance; Task 20-24(10)- Customer-Based Quality in Transportation; Task 20-24(14)- Managing Change in State Departments of Transportation. Scan 1 of 8: Innovations in Strategic Leadership and Measurement for State DOTs; Task 20-24(11)- Transportation Asset Management Guide; Task 20-24(20)- Strategic Performance Measures for State Departments of Transportation: A Handbook for CEOs and Executives; and Task 20-24(30)- Performance Measures for Context Sensitive Solutions: A Guidebook for State DOTs.
 - f. *NCHRP 08-71: Methodology for Estimating Life Expectancies of Highway Assets*
This research aims to develop a methodology for determining the life expectancies of major types of highway system assets for use in lifecycle cost analyses supporting management decision making; demonstrate the methodology's use for at least three asset classes; and develop a guidebook and resources for use by state DOTs and others. Project to be completed in March 2011.
8. Update on Ongoing Activities
 - a. *AASHTO Transportation Asset Management Today Website*

Thomas Van reported that the Committee's Website can be located at (<http://assetmanagement.transportation.org>). The Website was created about 6 years ago. New technological advances such as Google Sites' wiki capabilities will be evaluated as possible additions to the Website. This will be explored further during the summer meeting.

b. *Roadway Information Database*

Charles Fay reported that to address the challenges of moving people and goods efficiently and safely on the nation's highways, Congress has created the Strategic Highway Research Program 2 (SHRP2) as a targeted, short-term research program address four safety, renewal, reliability, and capacity. Under current legislative provisions, SHRP 2 will receive approximately \$170 million with total program duration of 7 years. Additional information about SHRP 2 can be found on the program's Website (www.trb.org/shrp2).

9. Proposed Projects and Syntheses

Omar Smadi reported that the deadline for submitting new NCHRP project and synthesis statements is February 12, 2010. In the past year, one of the two synthesis topic submitted by the Committee was accepted (on Economic Analysis Practices). The list of topics being studied and completed can be found in Research Results Digest 332 (http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_rrd_332.pdf). The announced new projects and syntheses for FY10 can be located at (http://onlinepubs.trb.org/onlinepubs/archive/NotesDocs/NCHRP_Announcement.pdf).

10. Webinars and Peer Exchanges

Webinar series are have been scheduled on asset management guide volume II; asset management tools and training; asset management and climatic changes, safety, asset data collection, infrastructure preservation, performance measurement. Relevant information can be located at the Committee's website. Detailed descriptions of available training on Asset Management can be found at the National Highway Institute's Website.

11. 9th National Conference on Transportation Asset Management

The 9th National Conference on Asset Management is planned in Spring 2012. Volunteers are needed to begin the conference preparation. **Basak Aldemir-Bektas, Will Puffer, David Boake, Andy Dalziel, Bill Rogers, Chris Newman, Jack Stickel, Francine Shaw Whitson, and Anita Bush all volunteered to help with the planning.**

12. Announcements

a. *8th International Conference on Management Pavement Assets*

The 8th International Conference on Managing Pavement Assets will be hosted by the Pontificia Universidad Católica de Chile on November 15-19, 2011 in the city of Santiago, Chile. The central theme of the conference is *Fulfilling the Social, Economic and Environmental Responsibilities for Sustainable, Well Managed, Better Roads*. Selected topics include performance based private public partnership projects, sustainable pavement design, construction and operation, tools to improve the decision process, preservation and maintenance, management practices and applications, performance modeling, key performance indicators and implementation targets, and special requirements/situations.

b. *Advance Infrastructure Management Course*

Information on advanced infrastructure management courses at the University of Delaware can be found at the Committee's Website.

c. *Annual Interuniversity Symposium on Infrastructure Management (AISIM) 2010*

The 6th AISIM is scheduled for June 18-19, 2010 at the University of Delaware, in Newark, Delaware, USA. Topics may come from any area in asset and infrastructure management. Faculty members or PhD students currently investigating infrastructure management are encouraged to participate, but all presenters should be students.

d. *SHRP 2 Naturalistic Driving Study*

Charles Fay presented a short report on this study.

The Chair announced that other updates were posted on the website. Short presentations on the upcoming Pavement Management Roadmap Workshops and some Asset Management work being conducted in Norway were made before the Chair adjourned the meeting at 3:30 PM.

FINAL Agenda
Transportation Asset Management Committee - ABC40
Hilton, Washington, D.C.
January 12, 2010, 1:30-3:15 PM

- 1) Welcome and Introductions (5 mins)

TRB Related Activities

- 2) Review Status, Leadership and Membership- Katie Zimmerman (5 min)
- 3) TRB Staff Report- Tom Palmerlee (5 mins)
- 4) TRB Section Report- Barbara Martin (5 mins)
- 5) Annual report and update on TRB Committee Activities
 - a. Papers at the 2010 annual meeting- Tim Lomax (5 min)
 - b. Sessions at the 2010 annual meeting- Katie Zimmerman (5 min)
 - c. Sessions for the 2011 annual meeting- discussion (10 mins)
 - d. Mid-year Meeting- discussion (5 mins)
 - e. Communications
 - f. Joint Subcommittee on Car Pooling
 - g. Subcommittee activities

TRB / AASHTO Joint Activities

- 6) Year in Review
 - a. FHWA
 - i. Office of Asset Management- Butch Wlaschin (5 mins)
 - ii. Planning- Ken Petty II (5 mins)
 - b. AASHTO Subcommittee- Kirk Steudle (5 mins)
 - c. 8th National Conference on Asset Management- Francine Shaw-Whitson (5 mins)
 - d. Developing a Research Agenda for Transportation Infrastructure Preservation and Renewal- Butch Wlaschin (5mins)
- 7) Update on Ongoing NCHRP projects and proposals- Andy Lemer (5 mins)
- 8) Update on Ongoing Activities
 - a. Transportation Asset Management Today website- Tom Van (5 mins)
 - b. Roadway Information Database- Charles Fay (5 mins)
- 9) Proposed Projects and Syntheses-Jeff Smith (5 mins)
- 10) Webinars and Peer Exchanges- discussion (5 mins)
- 11) 9th National Conference on Asset Management- discussion (5 mins)
- 12) Any Other Business (5 mins)
- 13) Adjourn

Updates

- 14) TR News
- 15) Research Needs Database
- 16) Synthesis topics
- 17) Triennial Self Evaluation
- 18) Communications
- 19) Pavement Management Roadmap
- 20) Announcements
 - a. 8th International Conference on Management Pavement Assets- Chile 2011 - Hernan de Solminihac

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- b. Advance Infrastructure Management Course
 - c. Annual Interuniversity Symposium on Infrastructure Management (AISIM) 2010.
 - d. SHRP 2 – Naturalistic Driving Study