

**Performance Measurement Committee -ABC30
2008 TRB Annual Meeting
Tuesday, January 15, 2008,
1: 30 pm –5:30 pm, Hilton-Caucus Room**

DRAFT MEETING MINUTES

Submitted by Daniela Bremmer (outgoing secretary) and Joe Zietsman (new secretary) for review and final adoption

Attendance:

61 members and friends attended the meeting.

Agenda: (attached)

(“Committee” refers to the Performance Measurement Committee; “Chair” refers to the Chair of the Performance Measurement Committee, Lance Neumann)

Introduction

Chair commenced the committee meeting at 1:30 pm and welcomed all participants, followed by round-the-table introductions and routing of sign-in-sheet.

Chair’s Report and Announcements:

- Research statements have been posted on the research statement database
- Sub-committees have been very active, as there have been many more papers this year
- Discussed the success of the International Conference in Irvine, CA (draft proceedings will be out Jan-Feb)
- Spoke about the co-sponsored meetings
- Discussed membership rotation for the year: 1/3rd of the members must rotate off
- The next International Conference on Performance Measures will likely be in 2010; Sponsors need to be contacted in 2008, and in 2009, a planning committee must be put together to organize the conference.

I. TRB STAFF REPORT

Section Chair: Barbara Martin

Barbara thanked Lance and provided an update on the following items:

- The next Annual Meeting Spotlight Session is “Transportation, Energy, and Climate Change;” please keep this in mind when thinking about sessions and activities
- Update on the mid-year meeting: it will take place at the Marriott Waterfront in Baltimore and the theme is “Impact of Globalization on Transportation;” the proposal deadline is February 27
- Update on Research Database: 17,000 hits on the website

Chair Rotation

- Lance announced his intent to rotate off as a committee chair and announced that Daniela Bremmer has agreed to become the new chair.
- Daniela expressed her thanks to Lance for his leadership and legacy in creating the committee and affirmed her commitment to continue with his work and support a continued strong role for ABC30.
- She would like to use the Summer Meeting as an organizational meeting to welcome and orient members and friends and discuss ideas and direction for the committee
- She would like to create a new Session Planning Subcommittee who will plan for the Annual and Summer meetings;
- She would welcome input from everyone (before summer and ongoing) on their ideas, suggestions, things that are needed, etc.

II. SUBCOMMITTEE REPORTS

Subcommittee on Paper Review: Ram Venkatanarayana

Ram gave a brief update on the papers for this year:

- There were 15 papers submitted. Ram thanked everyone for the 66 reviews that took place.
- Lance asked for interest to put out a call for papers for next year and asked Ram to look at the last call for papers; the deadline is April 15th.

Subcommittee on Communications: Connie Yew

Connie has taken charge of this subcommittee and provided a brief update.

- The material from the International Conference on Performance Measures is posted on the committee's website and includes all PowerPoint presentations and documents.
- Connie thanked everyone for the articles published in the December newsletter. The next issue is out in July, and she called for more articles before that.
- She thanked Joe for his help on the Performance Measure Exchange (Communities of Practice) website and reported that a newsletter was sent out. The website received 26,000 hits in 2007, a significant improvement over 2006.
- She also spoke about an eventual revision of the current six topic areas on the website, which would be submitted to the Chair.
- She also asked that members take some time each month to look over the site and provide their feedback. The URL is: <http://knowledge.fhwa.dot.gov/cops/pm.nsf/home>

Subcommittee on Research: Joe Zietsman

Joe Zietsman, chair of the subcommittee, distributed and presented a written report. (See attached).

List of Key Research Needs

- An update of the list of key research areas has been started. There are currently 50 statements with more updates to come.
- Joe reported that the 3rd Annual Conference was very successful, and generated numerous new ideas. The draft proceedings will be ready by the end of January.

Research Needs Drive

- TRB has launched a new website allowing committees to post their research needs. Currently, there are over 700 statements posted on the website.

New Research Statements

NCRHP Regular Program:

- Daniela Bremmer: *Performance Measurement and Evaluation of Tolling Congestion Pricing Project Benefits and System Impacts*
- Joe Zietsman and Bill Knowles: *Sustainable Transportation Performance Measures for State DOTs*
- (Update- May 2008: both statements were selected and funded)

NCHRP Synthesis Program:

There is a January 8th deadline for new topics. Joe suggested that a Synthesis Committee could be created, or at least some new ideas for synthesis work considered.

Discussion:

- Comment: There is not a lot of information at the state level, so maybe we should head in this direction
- Comment: Maybe the committee should come up with Performance Measures for evaluating PPPs
- Comment: Maybe the committee should put in a statement on climate change, which also includes local/regional levels not just the state level
- Comment: Performance Measures for Freight and International Borders

Joe will get back to everyone on their ideas.

Ongoing Research

Updates have been made to the compendium of ongoing and completed research on performance measurement. There are 131 records listed, and are available on the Communities of Practice website.

Communities of Practice Website

There are currently six topic areas, but the website may be restructured. In this process, the “Case Studies and Research” topic area may be dropped and an area for “Environmental and Sustainability Measures” may be added. Names of main facilitators for each topic area will be added later, along with additional facilitators as support.

International Activities Group (Subcommittee): Daniela Bremmer

- Lance and Daniela reported that the International Conference was successful.
- Moving forward, the committee will want to think about a formal subcommittee structure, or at least discuss the international activities and outreach the committee can head up.
- Lance mentioned that Japan, UK, Sweden, among others, have all communicated interest in this.

III. UPDATES, REPORTS AND PRESENTATIONS

AASHTO and Commission Report Update: Tony Kane

Tony provided an update on AASHTO's response to the commission's report. A handout was provided, listing the states and their performance measures, as well as a description of those who integrate performance measures as a holistic approach.

Commission Report

The Commission report was just released. A special AASHTO Performance Based Federal Aid Task Force Committee will make recommendations on federal programs. Both Mara and Daniela are members of that committee.

- The report suggested that the number of federal programs should be reduced and those still existing should have a broader scope.
- It was also suggested that a portion should be based upon performance measures and targets of established needs, which the federal government should oversee. The report further argued for abolishing federal highways and federal transit.
- Tony reported that there appears to be a move in restructuring which will include performance measures, as it recognized performance measurement as an important tool.
- On Friday, AASHTO will conduct a webinar about this and report on respective programs.
- The first hearing on the report was Thursday in the House of Representatives and subsequent hearings were to follow in the Senate.

TRB Announcements: Martine Micozzi

Martine thanked the Conference Planning Committee for their excellent work on the International Conference on Performance Management in September. She also highlighted the successful newsletter produced during the conference by Tim Lomax and thanked him for his work. She then presented Lance a certificate of appreciation from TRB.

Highlights

- Martine reported that the Summer Meeting would be held June 15-18 at the Baltimore Marriott Waterfront Hotel.
- She noted that committees now have a chance to help shape the meetings/sessions. The deadline to submit ideas for sessions is February 25th. The theme is "Impact of Globalization on Transportation."
- She noted that the theme for the 2009 Annual Meeting is "Energy and Global Climate Change."

- She also spoke about the new research needs database recently rolled out by TRB in September. Each TRB committee may articulate what their most critical research needs are in order to attract researchers in those areas. There have been over 700 statements in the database and over 17,000 hits.

Annual Performance Measurements Report- Transportation MAP: Valentin Vulov
Valentin gave a PowerPoint presentation and distributed handouts. The presentation detailed performance measures related to mobility, transit accessibility, air quality and safety.

- He reported that there were 16 measures used, with a few new ones introduced in the 2007 edition of the report.
- Valentin discussed measuring travel time/reliability using Planning Time, by multiplying “free flow travel” by 2. He explained that the Planning Time indicates the 95% reliable travel time.

Discussion

- There was discussion about customer perception and how it differs from real travel times.
- A member/friend from California mentioned that he believed this appeared to be a measure of mobility and congestion.

Valentin then discussed the Transportation Performance Index in greater detail, which determines the state of the transportation system and indicates whether it is improving. He described the process as the following steps:

- (1) normalize measures to scale of 100 (with a base year);
- (2) combine the measures into 4 indices and compose a performance measurement index;

Discussion

- A member/friend asked if the Transit Services Index was indicative of additional ridership. Valentin answered that it was indicative of the number of trips demanded and the supply provided.

AASHTO Standing Committee on Quality: Mara Campbell

Mara provided a brief update.

- She reported that in May 2007, the Committee had published a report on 20 states who had volunteered information about their on-time and on-budget delivery of programs for the previous five years.
- She gave a brief summary of the findings (some states were on-time 97% of the time and one state was on-budget 76% of the time). They were able to identify five states with best practices and found that the importance of comparative performance measures was on the rise. She said she would forward the report to those interested.
- She provided an update on the latest Smooth Pavement Project in which 33 states agreed to give data. The Committee is currently in the data analysis stage, and they will be able to identify the states with best practices within the next two weeks. This report will be unveiled in March.
- Mara reiterated her desire to continue partnering with the committee because performance-based management is very important to the transportation industry. She also noted that the

Standing Committee on Quality is being changed to the Standing Committee on Performance Measurement in May.

Discussion

Mara addressed a question about the implications of the latest projects, saying that they do plan to reveal any potential performance measures stemming from their work. She then addressed a question about similar work being done by the Council of Government and the Urban Institute, indicating that their work might be duplicative, and that it would be beneficial to partner with them.

Workshop on Visualization: Bob Winnick

Bob provided a brief update and had a handout containing his speaking notes and agenda.

- He reported that the information discussed during the Visualization Workshop was similar to the information that Valentin presented.
- He said the workshop was a success and that they had resolved to have a similar workshop or working group next year, with a focus on how the visualization tools are being applied in performance measurements, strategic planning, and operations. He reported that the presentation would be on the Visualization Committee's website.
- The Committee is interested in more information on the use of commercially available tools, as well as the visualization of ideas and the link to visualization of data and performance trends.

Discussion

Bob addressed a question regarding whether they discussed how policy decisions get made with the use of visualization. He said that there was some limited discussion from Maryland Transportation on how operational mapping procedures have been helpful in their decision making. He finished by addressing a question about the range of the discussion, saying that they had focused only on the short term.

FUTURE COMMITTEE ACTIVITIES/SESSIONS

Mid-Year Meeting 2008

Lance discussed the mid-year meeting, suggesting that a potential topic could be the performance related material coming out of the Commission Report. He asked for a volunteer to help on this session.

2009 Annual Meeting

Future Research Topics/ Sessions

The points discussed included:

- The usefulness of performance measures in stimulating debate on transportation issues and keeping the public focused on the importance of transportation.
- A discussion on accountability measures and non-decision-making uses for performance measures was suggested.
- Mobility monitoring of the arterial system, not just freeways, and the use of better measures from both US and international examples were suggested.

- The need for measures to better communicate the relationship between transportation and economic development.
- Measuring the effectiveness of road agencies in terms of project delivery.
- Looking at global climate change measures. VMT reduction and cross cutting topics with broader impacts were also suggested for further research.
- Allocation of funds to operations versus maintenance, safety, and preservation was discussed. As asset management practices take hold, these decisions may become more data driven.
- The need for a “look-back” study comparing the system performance measures that were forecast and the observed results. Goal would be to identify the contribution of various “error variables” (e.g., rapid or non-existent growth, scope change) in the analysis. It was also suggested that projects be revisited 6 months after opening to look at project performance. After the fact evaluations are almost non-existent in the United States when compared to other countries such as Japan.
- Many transit performance measures can be good examples to learn from and apply to other modes. For example, FTA’s analysis of capital cost versus ridership, and also post project evaluation.
- A lot can also be learnt from the use of performance measures in local government. There have been examples of cities and local agencies getting Baldrige Awards for quality data systems.
- Case studies of integrated corridor management initiatives with time series of data could be made available.
- Performance measures related to a broad range of global warming issues and sustainability issues were suggested as being “hot topics”. Better definitions of sustainability are warranted.
- Communication with the general public is very difficult and also very important. Measures that resonate with the public might be a criterion for selecting a set of performance measures.
- Defining the relationship between service quality and cost can help translate needs into funding requests/prioritization.
- John Zeeger mentioned that the forthcoming 2010 edition of the Highway Capacity Manual places a lot more emphasis on user perception of system quality.
- A new Highway Safety Manual, with formal methodologies on how to assess safety performance of highways is to be released on June 30, 2009.
- Kathryn Coffel mentioned the case of Chicago where incremental performance measurement was used in allocation of funds to the Regional Transit Authority and three other service providers, and Denver, where rail development was spread out evenly so that the economic development coming with it would also be equitably distributed.
- Maryland’s usage of a level of service standard was cited as a good example fitting in with the capital program.
- Joe Zietsman suggested that this committee could help review/revise the sustainable transportation indicator set that is being proposed by the sustainable transportation indicators subcommittee.

- Woody Stanley mentioned the website expectmore.gov where there are performance measures available for all federal highway programs. Goal is to institutionalize performance measures as a component of management activities.
- In Sweden, Stockholm's congestion pricing initiative was evaluated based on three areas: reliability, public acceptance and social implications.
- FTA's integrated corridor initiative and the DOT's Urban Partnership Agreements seek to measure performance of a corridor as a whole. Elements include:
 - Corridor performance (throughput, delay and travel time)
 - Customer satisfaction
 - Equity
 - Pollution
 - Benefit-cost ratios
- The Colorado DOT has a project that evaluates what happens in terms of system effectiveness when funds are moved from one area to another, or also between functional classes.

Closing

Meeting was adjourned at 5 30 pm.

ATTACHMENTS

A. Meeting Agenda

B. Written Subcommittee Reports

- B-1 Subcommittee for Paper Review
- B-2 Subcommittee for Communications
- B-3 Subcommittee for Research

C. Liaison List

ATTACHMENT A

**2008 TRB Annual Meeting Agenda
Performance Measurement Committee (ABC30)
Tuesday, January 15, 2008**

ATTACHMENT B-1

ATTACHMENT B-2

ATTACHMENT B-3

TRB Committee on Performance Measurement (ABC30)

Subcommittee on Research

Report for the 87th Annual Meeting, January 15, 2008

Members

Joe Zietsman (Chair)
Kathryn Coffel
Randy Halvorson
Trish Hendren
Tony Kane
Mark Larson

Greg Marsden
Cailein MacDougall
Sandra Straehl
Ram Venkatanarayana
John Zegeer

1. Update list of key research needs on performance measurement

The subcommittee on research developed a list of just over 50 statements organized into eight categories. These statements can be viewed on the Communities of Practice Website under the Case Studies and Research Section - <http://knowledge.fhwa.dot.gov/cops/pm/nsf/home>

The 3rd Conference on Performance Measurement was very well attended and had about 25 sessions that produced numerous research ideas. TTI is currently developing the proceedings for this conference. The subcommittee is planning to use an unofficial version of the proceedings to update the current list of research needs.

2. Support TRB's research needs drive

TRB launched a website identifying research need statements (RNS) for use by practitioners, researchers, and others. The RNS on this website have been developed by the technical committees of TRB - <http://rns.trb.org/>

The subcommittee identified the following 5 topics and developed them into research statements that were posted on the website:

- Develop a framework and methodology for incorporating *environmental factors* into performance management programs
- Identifying and using existing data sources to support the use of other or *less traditional performance measures*
- Integrating *risk management* into performance measurement for decision making
- Performance measurement and evaluation of *tolling and congestion pricing* project benefits and system impacts
- Evaluate *interagency performance measures and goals conflicts* and their impact of not being in alignment.

3. Prepare new research problem statements

NCHRP Regular Program:

- *Develop a Guide to Aid in the Performance Measurement and Evaluation of Tolling Congestion Pricing Project Benefits and System Impacts* – Daniela Bremmer
- *Sustainable Transportation Performance Measures for State DOTs* – Joe Zietsman and Bill Knowles

NCHRP – Synthesis?

New Projects and Problem Statements:

- Setting Effective Performance Targets for Transportation Programs, Plans, and Policy
- Integrating Individual Transportation System-Level Performance Programs to Determine Network Performance
- Developing Performance-Based Investment Programs and Data Systems
- A Guidebook for Developing an Airport Performance-Measurement System

4. Maintain compendium of ongoing research projects

The compendium on ongoing and completed research on performance measurement was again updated. Now there are 131 records listed including short abstracts for each one. The compendium is available on the Communities of Practice Website.

5. Communities of Practice website



<http://knowledge.fhwa.dot.gov/cops/pm.nsf/home>

Proposed Restructuring of Communities of Practice Website

Existing Focus Area	Proposed Focus Area	Main Facilitator	Additional Facilitators		
			US DOT	AASHTO/ State DOT	Academic/ Consultants
1	System Performance Measures	System and Program Accountability Measures			
2	Organizational Performance Measures	Organizational and Human Resources Measures			
3	Measurement Tools Techniques Methodologies and Data	Environmental and Sustainability Measures			
4	Case Studies and Research	None			
5	Customer Satisfaction Measures	Customer Satisfaction and External Communication Measures			
6	Performance Measurement of Freight and Private Sector	Economic and Freight Measures			

ATTACHMENT C

Performance Measurement Committee Liaisons

Committee Name	Liaison
ABC10 Strategic Management	Bob Johns
Task Force on Asset Management	Tim Lomax
ADA20 Metropolitan Policy, Planning and Processes	Bob Winnick
ADA50 Transportation Programming, Planning and Systems Evaluation	Jim Glock
AHB40 Highway Capacity & Quality of Service	John Zegeer
AP010 Transit Management & Performance	Katherine Coffel
ADA10 Statewide Multimodal Planning	Neil Pederson, Ysela Llorc
ABC20 Management & Productivity	Sandy Straehl
ABJ20 Statewide Transportation Data & Information Systems	Anita Vandervalk
ABJ80 Statistical Methodology	?
ADD40T Sustainability	Josias Zietsman
AASHTO Subcommittee on Performance Measures	Connie Yew/Tony Kane
ADA70 Access Management	Kathy Facer
ABJ10 National Data Requirements & Programs	?
AHB10 Regional Transportation Systems Management & Operations	?
ANB10 Transportation Safety Management	?
ANB20 Safety Data Analysis & Evaluation	Ramkumar Venkatanarayana
AT045 Intermodal Freight Transport	?
AT015 Freight Transportation Planning & Logistics	?
AHD36 Bridge Management	Paul Jenson
AFD10 Pavement Management Systems	Roy Jurgens
AHD65 Winter Maintenance	Richard Hanneman
ADA60 Public Involvement in Transportation	?

Organizational Liaisons:

AASHTO SCOQ
 FHWA
 FTA

Connie Yew
 Gloria Shepherd
 Ron Fisher