

Minutes
Asset Management Subcommittee
AASHTO Standing Committee on Planning
Monday, July 11, 2005
Boston, Massachusetts

Subcommittee Members in Attendance:

Kirk Steudle, Michigan DOT, Chair, Asset Management Subcommittee
Neil Pedersen, Maryland SHA, Vice-Chair, Asset Management Subcommittee
Dave Geiger, FHWA, Secretary, Asset Management Subcommittee
Dave Clawson, AASHTO Liaison

Lou Adams, New York DOT
Ysela Llort, Florida DOT
Charles Rountree, Idaho DOT

John Deatrick, District of Columbia DOT
Catherine Nelson, Oregon DOT
Sandra Straehl, Montana DOT

Other Participants:

Teresa Adams, MRUTC/UWM
Doyt Bolling, Utah LTAP
Troy Cowan, ARES Corp.
Stephen Gaj, FHWA
Francis Harrison, Cambridge Systematics.
Roy Jurgens, Alberta Infra. & Transp.
Michael Markow, Consultant
Sue McNeil, UIC
Lance Newman, Cambridge Systematics
Omar Smadi, CTRE/Iowa State Univ.
Francine Shaw-Whitson, FHWA
Katie Zimmerman, AP Tech

Jason Bittner, MRUTC/UWM
James Bryant, Virginia DOT
Leonard Evans, Ohio DOT
Joe Guerre, Cambridge Systematics
Jim Hatter, FHWA
Ken Leonard, Cambridge Systematics
Tom Maze, CTRE/Iowa State Univ.
Vickie Miller, FHWA
Willard Puffer, Harris Co., TX
Joyce Wenger, Booz Allen Hamilton
Ernie Wittwer, MRUTC, UWM

The Asset Management Subcommittee of the AASHTO Standing Committee on Planning met on Monday, July 11, 2005. Attached is a copy of the meeting agenda as well as a list of Subcommittee members. Included below is a summary of the presentations and discussion which took place:

- Kirk Steudle welcomed the Subcommittee and guests. All participants introduced themselves.
- Dave Clawson spoke about the membership to this Subcommittee. Don Vaughn, Deputy Director of Operations, Alabama DOT has been named to fill a vacant position representing the Standing Committee on Highways. Charles Rountree, Idaho DOT filled the vacant position representing the Standing Committee on Planning. We are awaiting confirmation that Lacy Love of the North Carolina DOT will be named Liaison to the Asset Management Subcommittee from the

Highway Subcommittee on Maintenance. Also, there is still a need to find a Finance Subcommittee liaison.

- The following is a summary of the progress report by Task Leaders in addressing the Strategic Plan:
 - Task 1-1-2: John Deatruck indicated that the District will host a Showcase of their Tunnel Management System on September 20 in Washington, DC. The District will also be developing a retaining wall management system; they will begin by taking an inventory. The District has a number of individual management systems; they look forward to implementing the AASHTOWare AssetManager software.
 - Task 1-1-4: With regards to current methods of economic analysis, Lou Adams indicated that FHWA's Eric Gabler is available to meet with States and present a one day training course.
 - Task 1-1-7: Sue McNeil stated that several items pertaining to best practices have been posted on the Community of Practice website.
 - Task 1-3-1 Kirk Steudle requested that another Subcommittee member volunteer to assist him with this Task realizing that Charlie Howard has changed employers. With regard to sharing information pertaining to this Task, information is being shared as available. The NCHRP report pertaining to performance measures has been sent to the panel for final review.
 - Task 2-1-1: Lou Adams indicated that the Community of Practice website is well used with 9,200 customers in June. The page which was most requested pertained to the Peer-to-Peer exchange on Asset Management in Planning and Operations. The FHWA tunnel inspection and maintenance related guides which were recently posted on the site were the items which were downloaded most. It was stated that a similar Community of Practice site for performance measures is to be established, likely at Texas Transportation Institute. At this time they are seeking funding assistance.
 - Task 2-1-2: Kirk Steudle distributed copies of a new tri-fold brochure of the Subcommittee's Strategic Plan. At this time resources are needed to have it published. Dave Geiger indicated that a FHWA case study of the Asset Management practices of Hillsborough County, FL should be available in about a month. A case study pertaining to how three States are applying their Bridge Management Systems for decision-making is also being developed.
 - Task 2-1-3: A draft standardized presentation pertaining to Asset Management has been prepared by FHWA and distributed to Committee members. Committee members are asked to provide Dave Geiger with comments/recommended changes by August 15. This presentation will be made available for use by DOTs and others as they work to move Asset Management initiatives forward in their organization. A presentation pertaining to Maryland's experience in

Asset Management has been posted on the website. The goal is to have other presentations posted, as they are available. Lou Adams and FHWA's Tom Van are responsible to monitor what is posted.

- Task 2-1-5: Kirk Steudle circulated the nearly complete list of State DOT contacts for Transportation Asset Management. Subcommittee members present reviewed the list for accuracy and will follow-up with the few States who are yet to name a contact. The finalized list will be provided to Subcommittee members in a few weeks.
- Task 2-2-2: See Task 2-1-3 above.
- Task 2-2-3: Members should continue to communicate with other groups and committees to share information on Transportation Asset Management. Neil Pedersen will be making a presentation next week to the AASHTO Subcommittee on Maintenance. Dave Geiger indicated that Dwight Horne included a discussion on Asset Management as part of a presentation to the AASHTO Highway Subcommittee on Design; similarly, Tommy Beatty to the AASHTO Subcommittee on Construction.
- Task 3-1-1: FHWA is in the process of updating the NHI Transportation Asset Management Course. The revised course is focusing more on implementation and related practical examples. The revised course will be available in a few months, States are asked to schedule it at this time. Michigan is developing a Transportation Asset Management Guide for locals in Michigan based on the AASHTO Guide. In the future, updating the AASHTO Guide needs to be considered, with this Subcommittee having the lead.
- Task 3-2-2: Rob Ritter at FHWA participates on the AASHTO Standing Committee on Planning. Asset Management is included in the items being addressed by this Committee.
- Task 3-3-1: This Subcommittee is working closely with the TRB Asset Management Committee and increasing cooperation with the AASHTO Subcommittee on Maintenance, it is important that the Liaison from that Subcommittee be confirmed. John Deatrick will be making a presentation at the EPA sponsored Green Highways Conference which is to take place at the University of Maryland in September. It was recommended that a Liaison with the AASHTO Standing Committee on the Environment be established.
- Task 4-1-1/9: Leonard Evans has requested assistance in undertaking these Tasks. Not much progress has been accomplished on these items.
- Task 4-2-1: Dave Geiger indicated that the International Scanning review was undertaken April 8 – 22, 2005. The Scanning Team included four State DOT, four FHWA, one local agency (Portland, OR), and one academia representative as well as a report facilitator. The Team met with officials in Edmonton, Alberta, Canada; New Zealand; Melbourne, Sydney and Brisbane, Australia; as well as England. The Co-Chairs were Paul Wells from New York DOT and

Dave Geiger from FHWA. The Scanning Team has developed a strategic implementation plan. A presentation on the Scan was made to TRB, NCHRP, FHWA and other representatives on June 29. A presentation on the results of the Scan was also presented at the Joint AASHTO Subcommittee and TRB Asset Management Committee Meeting later on July 11. A copy of the 30-Day Report which summarizes the findings of the Scanning Review is posted on the Community of Practice website.

- Task 5-1-1: Lou Adams stated that Tim Gilcrest participated in a recent meeting of the PIARC (World Road Association) Management of Road Infrastructure Assets Technical Committee (TC 4.1). Information will be shared with the Subcommittee.
 - Task 5-2-1: Dave Geiger indicated that FHWA has met with EPA concerning their Asset Management related activities. EPA has a 2-day Asset Management workshop, which they present to local entities. EPA has some of the same users as road infrastructure, their audience focuses on water and wastewater treatment. In addition, the U.S. National Park Service attended the presentation at TRB on the recent International Scanning Review. Further collaboration with EPA and the Park Service by FHWA is anticipated.
 - Task 5-2-2: MRUTC is undertaking a study for Michigan DOT and FHWA pertaining to training which includes a listing of Asset Management education at universities. This report will be available this Fall.
- Neil Pedersen indicated that we need to think of our financial needs for research as the Subcommittee considers requests to NCHRP, FHWA, and others. Respectively, Neil indicated that he has not received any requests for funding.
 - Kirk Steudle indicated that the deadline for submittal of research requests is July 22 to Ron McCready. Neil Pedersen will work with Ron on the research list.
 - Ysela Llorca requested that a compendium of NCHRP studies pertaining to Asset Management and other related activities be developed. In response to this request, attached is a listing of related completed, ongoing, and future studies. Ms. Llorca also pointed out that we should be aware that a DOT's Asset Management Program may not always be identified as such e.g., Florida's Asset Management Program is called "Program and Resource Management".
 - Neil Pedersen stated that Virginia DOT has drafted a Data Collection Guide that has been approved by SCOH and SCOP. It still needs approval from ARTBA and AGC. A follow-up report is being developed by Virginia DOT with Virginia Tech University which will include how data collection is tied to decision-making. This report should be completed by the end of the year.

- Sandra Straehl made a presentation pertaining on the new AASHTOWare AssetManager software for decision-making. This product was developed as a result of NCHRP 20-57, which was to produce user-friendly tools for transportation agencies that will improve their decision-making at the network and project level including trade-off analysis for resource allocation. AssetManager NT can predict the 10 to 20 year affects of various investment strategies based on performance measures. AssetManager needs to be tailored to every State and is very flexible. AssetManager PT looks at the short term (1 – 3 years) program of projects which will give the greatest results for a particular funding level. The goal is to save staff time in analyzing performance data, etc. when making funding decisions. At this time, they are looking for additional States to agree to pilot AssetManager, the goal is to have 10 to 15 States participate in the pilot. States interested in participating in this initiative need to respond to AASHTO by August 30. Willard Puffer from Harris County, TX asked if they could participate. The pilot is to move ahead in September if they have enough participants. They are seeking \$90,000 per State. This activity is eligible for Federal SPR funding, 80% Federal – 20% State match). The Subcommittee is considering moving ahead with this as a pooled fund effort and may request that FHWA consider that it be eligible for SPR funding at a 100% rate.
- Lou Adams will setup a demo of AssetManager in August for interested States to learn more of what this software can do.
- Dave Geiger stated that the NHI Asset Management Course is being revised with a greater focus on implementation and related practical examples. States are asked to schedule it at this time, it is anticipated that the revised course will be available in the Fall 2005. A number of other courses are available on economic analysis, pavement and bridge management, as well as preservation. Tunnel Management Showcase sponsored by DDOT and FHWA will be held September 20 in Washington, DC. National Conference on Managing Pavements will be held in the Spring 2007 in Virginia. National Asset Management Conference will be held November 1-3 in Kansas City. FHWA is working to establish a maintenance academy; it is being proposed as a 4-6 week program.
- AASHTO has solicited requests for domestic scans. The Subcommittee agreed that a request would be developed and submitted through SCOH and SCOP.
- Report is available on the Peer-to-Peer exchange which was held this Spring on Asset Management in Planning and Operations. The report is available on the website.
- It was suggested that the next meeting of this Subcommittee be held in Nashville, Tennessee during the AASHTO Annual Meeting on Friday, September 16 from 6:00 to 9:00 P.M.

Action Items:

- AASHTO is to find a Subcommittee on Finance Liaison and confirm Lacy Love of the North Carolina DOT as Liaison to the Asset Management Subcommittee from the Highway Subcommittee Maintenance. Also to explore establishing a Liaison from the Standing Committee on Environment.
- Need to identify representatives from a few remaining States of the Asset Management contacts in their DOTs. Once complete, this list will be distributed.
- Volunteers from the Subcommittee, who are able to meet with other DOTs, etc., to share their experience with Asset Management are requested.
- Subcommittee members are to provide comments/recommendations to Dave Geiger on the draft Asset Management standardized presentation by August 15th.
- AASHTO is looking for 10 States to participate in the AssetManager AASHTOWare Program. Responses are due to AASHTO by August 30.
- Lou Adams will coordinate and organize a demonstration of the Asset Manager software to be held in August.
- Committee members are asked to submit synthesis statements related to planning for research to be undertaken with NCHRP. Requests need to be submitted to Ron McCready by July 22.
- Task Leaders are to develop an estimate of funding needed to accomplish their respective Task and submit to Neil Pedersen.
- Kirk Steudle is to send to Subcommittee members copies of the Washington, D.C. Asset Management System Paper.
- It was suggested that the next meeting of this Subcommittee be held in Nashville, Tennessee at the AASHTO Annual Meeting on Friday, September 16 from 6:00 to 9:00 P.M. For planning purposes, Subcommittee members are asked to respond whether or not they will participate in the meeting at that time.
- Dave Geiger is to draft a proposal to undertake an Asset Management domestic scanning review and provide it to Kirk Steudle and Neil Pedersen with Kirk providing it to SCOH and SCOP for their endorsement.

Attachments (3)