

MINUTES OF COMMITTEE MEETING

**ADC20 – Transportation and Air Quality Committee
Wednesday, January 24, 2007, 2:30pm
Washington, DC (TRB Annual Meeting)**

FOLLOW-UP ACTIONS

- (All Members and friends) Members are requested to develop research project statements for new projects for posting on a new TRB database; please submit your drafts to Bob O'Loughlin.
- (All members and friends) Members are expected to complete timely reviews of papers assigned to them for both the Orlando summer meeting and the annual meeting.
- (Rob Ireson, Matt Barth) Please submit a prioritized list of recommendations for this year's papers to be published to Cindy Gerencher by February 1, 2007.
- (Matt Barth, Tracy Clymer) Matt and Tracy will manage this year's review of papers submitted for the 2008 annual meeting. Matt will assume the lead role and Tracy enters the two-year rotation.
- (Shauna Hallmark) Shauna Hallmark will complete the coordination of arrangements for the Orlando summer meeting with help from Bob O'Loughlin.
- (Brian Bochner) Complete draft minutes of this meeting according to the new TRB minutes format and make any corrections necessary after committee review.
- (Mohan Venigalla) Mohan will draft a proposed work scope for a subcommittee to address regional TCM/emissions issues.
- (Committee Friends) Anyone desiring appointment to the committee should send a brief statement to Bob O'Loughlin stating why he/she wishes to be a member (Jon Makler's vacancy).

ADC20 2007 Summer Meeting
Transportation/Land Use Planning and Air Quality 2007
Conference
Orlando, Florida
July 9-11, 2007
Disney Coronado Springs Hotel

1. ATTENDANCE

Kyoungho Ahn	Gordon Garry	Jonathan Nadler
Jeffrey Ang-Olson	Michael Grant	Robin North
Song Bai	Shauna Hallmark	Bob O'Loughlin
David Barnes	Marianne Hatzopoulou	Karen Perritt
Matt Barth	Paul Heishman	Joanne Potter
Mustapha Beydoun	Tom Higgins	Yi Qi
Emily Biondi	Cecilia Ho	Fengxiang Qiao
Kevin Black	Eric Jackson	Lowell Rothschild
Brian Bochner	John Jaeckel	Mike Savonis
Kanok Boriboonsomsin	Gary Jensen	Arnie Sherwood
Nino Brunello	Schichen Jia	Chris Simek
Joon Byun	Robert Kafalenos	Sarah Siwek
Michael Claggett	David Kall	John Storey
Tracy Clymer	Brian Kim	John Suhrbier
Cora Cook	Sue Kimbrough	Quan Tat
Robert D'Abadie	Chris Klaus	Mohan Venigalla
Theodore Ehrlich	John Koupal	Rick Warner
Doug Eisinger	Michael Krimmer	Mia Waters
Bill Elrick	Mark Kross	Roger Wayson
Rocky Fernandez	Michael Lawrence	Jim Wilson
Mark Gaber	Jane Lin	Lei Yu
Cynthia Gage	Victoria Martinez	Joe Zietsman
Julia Gamas	Jesse Mayes	Mia Zmud
		John Zumerchik

(Note: Minutes are in order of TRB specified minutes outline, not order of agenda)

2. AGENDA (Attached)

3. GENERAL ITEMS FOR THE RECORD

- a. Call to Order
- b. Introductions
- c. TRB Announcements (Kate Quinn, Christy Gerencher)
 - i. A Section conference will be held in 2010. We should identify any other committees outside the section that have related activities and interests.
 - ii. The 51 papers reviewed by ADC20 were the most of any technical committee. Christy congratulated our review leaders, Rob Ireson and Matt Barth and the reviews on a fine and timely job.

- iii. Members are requested to develop research project statements for new projects for posting on a new TRB database that can be used for Masters and Ph.D. research projects, research that could be undertaken by funding agencies with available resources, and by state DOTs. Make projects specific and submit new statements as they are thought of. This database will be on the TRB website in the same place as “research in progress.” These statements should be submitted through Bob O’Loughlin.
- iv. A prioritized list of papers recommended for publication is due to Christy by February 1. Up to ¼ of the papers may be published.
- v. This year’s TRB meeting drew over 11,000.
- vi. TRB’s budget is lower in 2007 so the number of papers to be published will be less.
- vii. The performance of each committee is being evaluated. Underperforming committees may be merged or sunseted. Timely communication with members and TRB staff and other committees are key indicators of performance.
- viii. The theme for the 2008 annual meeting will be “Partnerships For Progress In Transportation.”
- d. Committee announcements
 - i. ADC20 has a membership slot open as a result of Jon Makler’s resignation. Anyone desiring appointment to the committee should send a brief statement to Bob O’Loughlin stating why he/she wishes to be a member.
 - ii. The Sunday workshop on Project level analysis and organized under Shauna Hallmark’s leadership was attended by about 40 people and went very well. Presentations will be posted on the committee’s project level analysis webpage.
 - iii. Presentation sessions sponsored by ADC20 were on (1) impacts of climate change on transportation (standing room only crowd) and (2) diesel emission reductions (about 50-60 attendees). Julia Gamas, John Suhrbier and Karen Perritt were organizers and moderators.
- e. Other announcements
 - i. Mike Savonis briefly described the FHWA Exploratory Environmental Research program. Funding will be about \$11M. FHWA is seeking research results that have promise of major steps forward, not small increments of progress. FHWA has just issued its broad agency announcement (BAA). FHWA also has a small amount of money available for outreach to solicit desired research separate from its STEP program.

4. COMMITTEE PROGRAM

- a. Robin North made a very brief presentation on the MESSAGE project (UK) which uses a combination of fixed mobile air quality sensors to directly measure air quality in many locations. Cell Phones, WIFI, and short range wireless (e.g., Bluetooth) are being tested as a way to transmit data from the mobile sensors. This UK project is looking to link to US experience and research. For more information, contact Robin North at robin.north@imperial.ac.uk . A project website is also available at www.message-project.org although it will be another month or two before construction is completed on the site.

- b. John Koupal gave an update on EPA's forthcoming MOVES model. MOVES2004 was the initial version. The complete version has been targeted for late 2007. It now has activity elements but does not have many of the emissions components although placeholders are in place. In February 2007 the MOVES software will be available for review, but emissions rates will come later when available (no date projected). The software is being made available for demonstration so users can learn how it works. CO is said to be about complete; others have placeholder emissions content. Hence, MOVES will not soon be ready for production (John said emissions rates components are still at least a year away). John also said that EPA has not yet decided how long a review period will be given for the tentative complete MOVES model before it is finalized and becomes required. Training will be provided at the May 2007 EPA air quality conference.

Ted Ehrlich suggested that EPA consider input and output requirements for travel forecast models and post processing needed for use in conformity analyses. He said that MOVES inputs and outputs will not be compatible with existing models and post processors. He suggested that EPA make MOVES compatible with existing transportation models and post processing needs. John responded that EPA could not know the requirements of all such models and post processors.

5. COMMITTEE BUSINESS

1. Approval of Meeting Minutes of January, 2006. Minutes were approved with no changes.
2. Officers Reports of Note. Treasurer Cecilia Ho reported that ADC20 has a balance of \$1,366.55. All receivables and bills are current.
3. Report on the Sunday Workshop and Sessions. See committee announcements above.)
4. Paper Review Process. Matt Barth reported that 51 papers were received. A total of 26 were presented in some format (podium, poster, workshop). Up to 12-13 will be selected to be recommended for publication. In keeping with recent practice, Rob Ireson will rotate off the paper review management team, Matt Barth will take the lead, and Tracy Clymer volunteered to join Matt as the second member for 2007.
5. Subcommittee Reports.
 - a. Project Level Analysis Subcommittee. Shauna Hallmark reported that most of the subcommittee's efforts had been directed toward the workshop just presented.
 - b. TCM Subcommittee. Mohan Venigalla reported that the subcommittee feels that interest in further work on TCMs at the TRB level is limited but there is still a need. He suggested two possible subcommittees to replace the one existing subcommittee: regional TCMs and project level emissions reduction measures. Shauna's subcommittee would cover the latter one. Both subcommittees could cover applicable modeling. Mohan will draft subcommittee scope(s) for review.

6. 2007 Summer Meeting- Transportation/Land Use Planning and Air Quality 2007 Conference in Orlando, FL, July 9-11, 2007. This conference will be held at the Disney Coronado Springs Hotel (good hotel for a family vacation). Shauna is coordinating the program. There will be air quality, land use and Transportation Planning tracks. Two days will have paper sessions and one day will consist of workshops. Reviewers will be needed. Over 70 abstracts were received by the deadline. There will be conference proceedings. Members are requested to volunteer to Bob O'Loughlin to participate in the review. The committee's business meeting will be at lunch on July 11. Current estimates are that the registration fee will be about \$250; this cost has been reduced due to sponsorships by FHWA.

7. Liaison Reports

Liaison reports were given on the following TRB committees:

- a. Transportation Demand Management (Brian Bochner) – This committee is seeking other committees interested in TDM subjects and which may wish to partner in meeting sessions or other activities. They are looking at pricing. The committee reported that most funded TDM research is now being done in Florida and Europe.
- b. Energy and Alternative Fuels (Cynthia Gage) - These two committees have been merged by TRB as a result of this year's reviews. Cynthia reported that by 2020 marine emissions will be the largest source of NOx and SOx.
- c. Urban Transportation Data and Information Systems (Chris Klaus) - The committee discussed the "unfunded mandates" of SAFETEA-LU, reviewed some data summaries, and discussed the upcoming HPMS review and implications on modeling. There was a presentation on use of cell phones as probes.
- d. AWMA (Shauna Hallmark) – Shauna reported that last year's AWMA conference was the first held in New Orleans after the hurricane. The conference content was good, but AWMA is seeking higher quality papers in the air quality area for its next conference in Pittsburgh this year.
- e. Marine and Ports Environmental Task Force (now a committee) (John Koupal) - The task force has now been made a committee and is interested in air emissions. It is also seeking joint sponsorships for sessions and activities.
- f. International Transportation Issues (Robin North) - This committee is interested in transportation in developing countries and air quality issues.
- g. Planning for Small and Medium Size Communities (Mohan Venigalla) - This committee held its biennial conference last year. It has a subcommittee on air quality that focuses on conformity and data/modeling, freight and heavy duty diesel emissions, and interagency coordination for smaller areas. The committee members expressed concerns about the small area abilities to meet the new requirements for ozone and PM2.5.
- h. Environmental Impacts of Aviation (Roger Wayson) – This committee discussed research by NASA et al on the Apex program. A method for estimating aircraft emissions has recently been accepted by the responsible international

organization. There is a new airport emissions estimation model, EDMS. Fifteen major air toxics have been designated for airports.

- i. Highway Capacity Manual Committee (Joon Byun) – The reliability subcommittee is looking into speed variation issues and findings may be included in a future update of the *Highway Capacity Manual*.
8. Roundtable- other committee business, interesting projects, etc. Covered within above categories.

6. OTHER BUSINESS

None

Distribution of Minutes:

- a. committee members
- b. Section Chair Kate Quinn
- c. TRB Staff Representative Christy Gerencher

Transportation and Air Quality Committee (ADC20) Meeting Agenda

<http://www.trbairquality.com>

<http://www.ctre.iastate.edu/educweb/transaq/transaq2007.htm>

Wednesday, January 24th, 2007

2:30-4:30 p.m.

Hilton Hotel-Hemisphere

1. Call to Order/ Introductions/TRB Announcements (Bob O'Loughlin/Christy Gerencher) (10 mins.)
2. Approval of Meeting Minutes of January, 2006 (Attached) (5 mins.)
3. Officers Reports (Cecilia Ho, Brian Bochner) (10 mins.)
4. Report on the Sunday Workshop and Sessions (Shauna Hallmark, Julia Gamas, John Suhrbier and Karen Perritt) (15 mins.)
5. Paper Review Process (Rob Ireson, Matt Barth) (10 mins.)
6. Subcommittee Report (Mohan Venigalla, Shauna Hallmark) (10 mins.)
7. 2007 Summer Meeting- Transportation/Land Use Planning and Air Quality 2007 Conference in Orlando, FL, July 9-11, 2007 (10 mins.)
8. Liaison Reports-
 - a. Brian Bochner, Transportation Demand Management;
 - b. Mike Lawrence, Energy and Alternative Fuels;
 - c. Chris Klaus, Data Committee
 - d. Rob Ireson, Urban Transportation Data and Information Systems;
 - e. Arnie Sherwood, Telecommunications;
 - f. Julia Gamas, Environmental Analysis in Transportation Committee;
 - g. Roger Wayson, ASCE;
 - h. Shauna Hallmark, AWMA;
 - i. Veronica Davis, Transportation and Land Development;
 - j. John Koupal, Marine and Ports Environmental Task Force;
 - k. Robin North, International Transportation Issues;
 - l. Mohan Venigalla, Planning for Small and Medium Size Communities;
 - m. Roger Wayson, Environmental Impacts of Aviation (30 mins.)
9. Roundtable- other committee business, interesting projects, etc. (30 mins.)
10. Adjourn