TRANSPORTATION RESEARCH BOARD
Business Meeting – ADC10
ENVIRONMENTAL ANALYSIS IN TRANSPORTATION
January 24, 2007

Prepared and Submitted by:
Susan Killen
Secretary ADC10

July 8, 2007
The meeting was called to order at 8:03 PM by Mark Kross, Committee Chairperson.

1) Introduction of Members and Friends of the Committee
Members and guests introduced themselves and stated their professional affiliation and their status related to the committee. Attachment A contains the meeting agenda and Attachment B contains the list of attendees.

Mark welcomed the Committee and Friends. He announced a new committee, ADC30 - Ecology and Transportation and congratulated Tom Linkous and all the members.

2) Review and Approval of Minutes of July 2006 Business Meeting
The minutes of the summer business meeting held in Seattle, Washington were approved. Susan Killen incorporated comments that were received from three committee members in addition to those from Mark Kross. Chris Gesing will post the minutes on the website.

3) Remarks of the Chair – Mark Kross
a) Sessions and Workshops Sponsored/Cosponsored by ADC10
Mark reviewed the sessions relevant to ADC10 by name, time and location. For complete listing see Attachment C. Mark noted that between 50 and 75 people attended these sessions which Mark considered a generally robust attendance. Mark also noted that there are about 280 committees and each committee was allotted 2.3 sessions.

Sunday (January 21) workshops included:

- Half day Early Lessons Learned in Implementing SAFETEA-LU Environmental Provisions with Shari Schaftlein, Federal Highway Administration (FHWA).

Mark noted that the Environmental Stewardship Subcommittee met Monday (January 22) at 8:00 AM.
A presentation/conference session (juried papers were not required), *Achieving Smart Mitigation in Transportation Projects*, was set up by Muggs Stoll (Caltrans).

Mark reported that the Mega Session, *Environment & Energy Poster Session* was a good session. ADC10 had 3 posters plus the Committee poster. There was good circulation at the session, but the environmental posters were tucked way in back. Mark asked for additional feedback:

- A number of folks came through but not enough coming through that had interest in the Committee itself (Martin Palmer);
- Chris Gesing noted more international representatives came through;
- Ron DeNadai suggested having a sign-in sheet and take more advantage of audience; and
- Mark Kross suggested and agreed to consider forming a Session Subcommittee – beginning informally at first. Mark will recheck Committee history to determine if one warranted. Ron and Chris offered to help. Mark thanked Ron, Chris and other associated firms and Committee members for the ADC10 poster.

Mark asked what the Committee members heard in general at the sessions. Martin Palmer observed that the ADC10 paper session research touched on other committees’ issues such as recycling and emissions reductions. Mark explained that Jim Bach, as Publication Subcommittee chair for ADC10, checks to see if all papers are in the right committee for review. The authors also note the committee they consider best suited for their paper.

ADC10 co-sponsored a Tuesday session with Tom Linkous on *Wildlife Issues for Rail and Highway Corridors* primarily in the Northwest.

Papers in *Environmental Analysis in Transportation* session was presided over by Jim Bach and featured the best papers of those reviewed. Jim reported the Committee had four papers. The papers will be up on the ADC10 website as well as the PowerPoint presentations. (See additional discussion by Jim Bach later in these minutes.)

Marcia Bowen, Mary Ivey, Chris Gesing were at the *New & Young Attendees Welcome Session* on Sunday. Mark described cards that Marcy Schwartz made for the table with information (committee name, mission, chair’s name with email and committee’s website address) for the meeting. These were used as handouts similar to a business card. Mark said these cards would be useful to have so that people coming through the poster session would have information about the Committee.

**b) Remarks by Section Chair for Environment and Energy – Kate Quinn**

Kate described the TRB organization - committees clustered in sections by interest and then further in groups, again by interest. Each group has been going through an evaluation to see how each functions and if there are opportunities for consolidation and even dissolution of committees/subcommittees as appropriate. For example, the Energy and Alternative Fuels Committees were combined with a subcommittee assigned to the new committee titled Climate Change. This should make the committee stronger. Kate is suggesting that this committee can work well with Energy and Alternative Fuels Committee. Kate also noted that one of the issues of
concerns is the loss of the total number of sessions and so in future their session number will go down to 2.3 sessions. Kate would like both committees to be more engaged with each other and other committees such as air quality, ecology and so forth. “Hopefully lots of reaching out amongst you.”

Kate reported that there is consideration of another major environmental research conference in 2009-2010. An example of a past conference is the one held in Pittsburgh under Wayne Kober in 2000. This next research conference will be an opportunity for the ADC10 Committee to cross over more robustly with other committees. A survey may be conducted in advance of the meeting planning and a task force will be put together. Kate said that the Minnesota DOT has expressed interest in hosting the meeting.

Kate complimented the Committee on its history of success in working independently and planning “summer” meetings. Kate noted that the Committee has chosen to go to Chicago for its summer meeting this year. It will give the Committee a chance to see the advantages and disadvantages of participating in this meeting with approximately 45 other committees. Kate will be attending.

Kate offered to help with anything the Committee needs. Dominique Lueckenhoff asked if, in addition to energy, there are any other emerging issues coming out of multiple committees Kate might look at in terms of consolidation. Kate said the section is pretty much finished. Marcy Schwartz is the group chair. Other groups are still going through process. She is still not sure what will come out of the review.

Kate is also pushing a better relationship with the Aviation and Environment Committee. Alternative fuel is another issue of concern within that committee.

Kate will continue to provide updates as they are available.

c) Remarks by TRB Staff Liaison – Christine Gerencher

Christine Gerencher is the staff officer for Energy and Environment Section. Christy is also the staff officer for the Aviation and Environment Group. Christy thanked Jim Bach for organizing and completing the paper reviews. Mark also asked Christy to recognize his assistant, Terry Boccassini.

Christy reminded the Committee she is here to help. Please feel free to get in touch with her.

Christy announced the appointment of Ron DeNadai as emeritus member of the Committee. Kate presented Ron with a certificate of appreciation for his service to TRB.

Christy talked about the summer meeting - the ADC10 Committee is a guinea pig for joining the TRB Summer Meeting in July. The offer included ADC10 having a full workshop just before the TRB summer workshop and they will handle all the meeting logistics. ADC10 will just need to handle the agenda. Make your hotel reservations now.

Christy will work with Ron and Mark to get information out regarding the Summer Meeting. The Summer Meeting theme is sustainability. Christy worked on getting
registration for the Summer Meeting as low as possible. The registration will be between $300 and $400. No meals will be included but the hotel is in proximity to restaurants. Chicago has its fireworks and Taste of Chicago on the 3rd if you are planning to bring your family. The ADC10 registration will let registrants into the major sessions and concurrent sessions. A tour may be included in the registration. The location of the tour and if the tour would incur additional costs still needs to be determined.

Christy talked about the new research needs database. They are asking each standing committee to contribute. By end of today Mark Kross has been asked to identify a person to enter in research needs statements by this Committee. This site will be available to public at large but data entry is secure. The person will enter research problem statements. The concept is that this will be one stop shopping. For example, if you need an idea for a thesis topic you could find some on the database. Another idea is for the state DOTs to use it for NCHRP submittals that may be important to their state.

June 1st is deadline for the first set of research needs statement into the data base. How this is will be updated is still being worked out. This will be paired with the Research in Progress (RIP) site on TRB website. This will be a continuing process and every committee has to do this. Right now there is a beta site that is up and populated with 100 needs statements. There is no specific style – use a couple paragraphs and maybe use the NCHRP format.

Kate Quinn suggested starting with the results of the past research needs conference (2002). Kate also noted the earlier discussion of a research forum. Joe Crossett said that Transportation Environmental Research Ideas (TERI) is the new database for American Association of State Highway and Transportation Officials (AASHTO).

Joe Shalkowski asked how the database is organized. Christy said the database is searchable and organized by subject area. You can do a query by checking fields in drop down boxes. You identify a mode as you enter the research idea. Each idea will be tagged with the committee that submitted it. Costs (estimated) can be added but it is not a required field. Michael Culp asked about duplication if more than one committee submits a research need. This was not resolved in terms of who will be noted as the submitter.

Christy emphasized the need to communicate between committees noting that there are a multitude of related environmental committees. Examples of such committees are the Sustainability Subcommittee, the Rail Subcommittee and so forth. The Committee must document efforts to reach out to other committees. Use the research needs database to spur partnerships.

Christy said the 2008 Annual Meeting spotlight theme is “Partnerships for Progress in Transportation”…reaching out beyond borders, innovative ways for projects to make progress, ways to work well with others. October 1 all ideas are due with a preliminary list of sessions to Christy in June after the committee meetings.
d) Other TRB Issues

Mark Kross reported that there were more than 3,079 papers submitted (a new record). 60% or 1,849 of the papers were given as presentations with 50% (935) in lecture sessions, 40% (752) of those presented as posters, 2% (39) at Committee business meetings and 7% (123) in hybrid sessions and committee meetings. The poster sessions offer an opportunity to talk with people on 1:1. Note that TRB is reducing the number of papers accepted for publication to 25%.

The system was so overloaded (more than 2,000 papers in the last 24 hours) that the deadline was extended to August 6\textsuperscript{th}. Options being considered to avoid a repeat of this experience in 2007 included:

1. Expand TRB server capacity: Arrange and pay for additional server capacity to handle this once-a-year peak in demand (we thought we had done that for this year);
2. Congestion pricing: Attempt to stagger demand by allowing authors to submit papers at no cost up to a certain date, but charging gradually increasing processing fees as the date gets closer to August 1. Charging authors for multiple paper submissions might also be included;
3. Stagger by topic: Establish different paper submission due dates by topic area;
4. Some combination of the above.

The Technical Activities Council has recommended option #3. The plan would require papers from one set of topic areas to be submitted by July 27, and the second set by August 1.

There were 455 lecture sessions, 134 poster sessions and 79 workshops. This year’s spotlight theme is “Transportation Institutions, Finance and Workforce – Meeting the Needs of the 21\textsuperscript{st} Century”. The spotlight theme in 2008 is “Partnerships for Progress in Transportation”. The 2008 theme rings particularly true for the ADC10 Committee with the many partnerships that the Committee has established.

Mark Kross requested input from the Committee on the TRB action plans. Mark requested some information at the 2006 Summer Meeting. Sean Furniss of U.S. Fish and Wildlife submitted a comment that was implemented by TRB. The strategy is to enhance revenues to pay for TRB functions by having sessions or posters and exhibit space paid for by consultants. Mark noted that TRB for years has been very non-commercial. 2008 is the target to implement this idea. Generally the need is to have the focus on research and projects not advertisements.

Sean also suggested targeted invitations – outreach to other organizations with an interest in transportation. Sean also noted linkage to other groups that could be targeted for exchange such as the National Park Service. These partnerships could do especially well in the arena of environmental issues.

The Leadership Guide was circulated to committee chairs. The following highlights key elements:

- Enter research needs data (as noted earlier);
• More than one member of an organization can join a committee if the member can serve as a mentor for someone in that organization and is a young member (30 and under);

• There is no limit on members from outside the US. Since there is no limit on international members there could be one from the US and one member from outside the US from the same agency or firm. In response raised regarding meeting membership requirements, Canadian members counted the same as US members (in terms of limiting more than one membership from agency/firm). Currently there is one international member on the ADC10 Committee; and

• A committee member may be dismissed from a committee for failure to perform duties. Therefore, committee members need to respond to Mark Kross when he makes a request or a duty is part of the committee member’s assigned duties.

Mark also received a “Welcome to New Members” guide. Among other items this guide contains a committee flow chart. This guide is new and is included in the new members’ invitations. Some new members present at this meeting indicated that they had not received the “Welcome to New Members” guide. Tom Linkous indicated that the guide is accessible on the web. Mark will get a link to the site to make the guide accessible.

Kim Fisher, Associate Technical Director of Research Activities, said the ADC10 Committee is doing fine with regard to research activities. She said that she will be able to help the committee in regard to research.

Mark said that over 11,000 people attended the Annual Meeting which set a new record.

TRB is working with the Office of Planning and Environment on the USDOT’s changes related to SAFETEA-LU and its de minimis review (Lamar Smith, FHWA).

Mark discussed with Marcy Schwartz a letter from Kim Fisher and Marcy Schwartz dated January 8th letter thanking the Committee for its Triennial Self Evaluation (TSE) Review and making some specific comments from the TSE review.

• Continue the delegation of responsibilities is encouraged as committee members have a lot to contribute;

• Diversity is one of the committee’s strengths;

• The Committee is exceptionally well run and successful. Purpose of the committee is obvious and ADC10 is an active and enthusiastic committee; and

• The ADC10 Committee actively looks to work with other committees and organizations.

Mark noted that it is interesting that the current TSE is 3 years old and ADC10 is due for a new review. Tom Linkous also noted that this Committee has spawned two other committees.

Mark indicated that the list of subcommittee members from the ADC10 survey results was sent out. Those who have not filled out a committee survey can still complete
and send to Mark and Kim Gambrill to help populate each subcommittee. Mark requested that subcommittees be populated from these new subcommittee lists.

4) Subcommittee Reports

a) Steering Subcommittee – Chair, Kim Gambrill (The report was given by Martin Palmer)

Mark Kross thanked Kim Gambrill for completing all this work. Mark also thanked the ten people that made comments.

Reviewing the process, Mark said that the goals were circulated for review on November 22nd and final versions were prepared on January 14th - ready for adoption. The revised Steering Subcommittee goals were also circulated. Following their adoption, revisions will be incorporated into the goals as necessary.

As part of the roles the Subcommittee will help Mark with TSE. The History Subcommittee goals will be ready for summer meeting. Martin Palmer and Marie Venner will be helping Kim with the subcommittee work which is reviewed every three years. Motion passed to adopt the Steering Subcommittee goals.

Chris Gesing asked that under the Steering Subcommittee goals there should be consideration, under B, of a wording change to indicate getting the word out by email. The newsletters are still continuing but need to make minor modification. Motion passed pending possible modification.

b) Natural Resources & Environmental Stewardship – Chair, Andy Fekete

Mark Kross will email the subcommittee report to the Committee for Andy Fekete. The balance of natural resources and stewardship more part of Tom Linkous’s ADC30 - Ecology and Transportation Committee and analysis part is more in ADC10.

c) Liaison Subcommittee – Chair, Jim Bednar

Jim reminded all liaisons to report very briefly at this meeting and to follow up with a report to Jim in writing. Jim also circulated sign-up sheets with other committees listed that need to have a liaison from the ADC10 Committee. For example, Environmental Issues in Transportation Law wants a liaison. If you are interested in signing up you could do so on the sheet that was circulated or send Jim an email.

Sean Furniss reported on the National Parks Committee. Riparian restoration and Field Guide Dust Suppression are current workshops for 2008. He put in a plug for meeting in Austin. Next conference in 4 years and starting to look at topics and locations.

Marie Venner reported on the Sustainability Committee and will receive sustainability indicators this next year from them.

It was reported that the Transportation and Land Development Committee is looking to collaborate.
Shari Schaftlein reported that the GIS subcommittee has an environmental component in its work. STEP has 20 million dollars for advanced research to think about how GIS and environment will work 20 years from now. There will be a workshop in the fall.

Marcia Bowen said that the Aviation and Environmental Committee circulated a survey of issues and will add climate change. This was the theme in all other modal committees.

Pat Trombly reported that the TRB Committee ADC60 covers areas such as toxic and hazardous materials tracking, pollution prevention, and so forth. The Hazardous Materials Committee will focus on vehicles and safety issues. The ADC60 Committee was reported as very robust and active. There has been a name change to Waste Management and Resource Efficiency in Transportation. The committee has three subcommittees.

Joe went to the ADD50 Environmental Justice in Transportation Committee.

Denise said that the hydrology committee was interested in partnering.

Gary McVoy will go to the Environmental Maintenance Subcommittee meeting today.

Mark Kross was in touch with the TRB Archaeological and Historic Preservation Committee (ADC50). Tony Opperman, Virginia DOT, is the new chair. He pressed for joint meetings and ADC10 will continue some affiliation.

d) Web-Site – Chair, Chris Gesing

Chris thanked Carol Zarker for hosting web site for committee. Chris will post the minutes and presentations and papers on website. The website also has a link to information on the 2005 summer meeting in Santa Fe. Chris also thanked everyone who sent this week’s presentations to be posted. Chris will be working with Pat and the history committee. Mark Kross extended thanks to Chris and to Bill McCartney of Michael Baker Corporation for supporting our website efforts.

e) Mid-Year Workshop – Chair, Ron DeNadai

- Succession Planning: As Emeritus ADC10 member, Ron will still head this subcommittee. Ron will identify candidates to succeed him and mentor over next two years. Ron encouraged friends involvement on this subcommittee. Interested candidates were told to please contact Ron.

- Seattle Summer Meeting – July 9th-12th, 2006: Ron thanked Martin Palmer. Ron reported that there were 94 attendees from 11 states, balanced between private and public sector. The surveys (17% return in surveys) showed that the boat tour and dinner got 4.9, but business meeting got 4 points. Martin thanked all companies, agencies, and attendees for their contributions. The conference ended in the black financially.

- More on Chicago: The ADC Mid-Year meeting will be in downtown Chicago in concert with the TRB 2007 Summer Conference and the 32nd Annual Summer
Ports, Waterways, Freight & International Trade Conference. The overall meeting will be held Saturday, July 7 through Monday, July 9, 2007 at the Renaissance Chicago Hotel. The theme is “The Many Faces of Transportation Sustainability”.

The ADC10 Program will run Friday (all day on Friday) through Monday. Saturday morning will have four workshops in morning. The TRB general session will kick off in afternoon. Sunday afternoon July 8th will be the ADC10 business meeting. Ron is looking for 6 moderators for program. The moderators will contact speakers and so forth. If interested in moderating or have topic suggestions under the conference theme please let Ron now. Mark noted that the agenda still needs to be confirmed.

James Martin reminded us of the interest in working with SCOE on a summer meeting. Mark Kross indicated SCOE wanted more rigor in setting agenda which made it more difficult to work on a conference. In addition, Mark said that Little Rock as a summer meeting site may be postponed since ICOET is there this year.

Mike Culp suggested Linking Planning and NEPA for a summer meeting session and will work on it. Pat Trombly thought maybe we could spread ourselves on Monday between other committees even if not liaison to that committee.

f) Newsletter – Chair, Craig Casper
No newsletter was put out this past year. Marcia Bowen offered to help work on a newsletter. A Green Highways article was offered for the newsletter. Following the discussion, Mark indicated that ADC10 still needs to have a newsletter. Frank Bracaglia offered to lead as the subcommittee’s new chair. Mark asked Frank to work with Chris and Marcia. Mark asked anyone who is interested to please get in touch with Frank.

g) Research Topics – Chair, Joe Shalkowski
Joe acknowledged thanks to Diana Noble (TXDOT) who was critical to identification of TERI. Joe said new members have committed to the subcommittee. He noted that reference to STEP, RIP, TRIS, TERI will be made in report and a series of handouts will be passed out.

- Joe emphasized the 5 Focus Areas based on the Subcommittee’s goals and objectives (see Attachment D). These were reviewed so that the research hot topics can be aligned with conferences.

Joe also shared the subcommittee membership list (Attachment E). Joe asked the subcommittee members to commit to try to attend both business meetings and participate in quarterly conference calls - and be generally very active. If you are interested in being on the subcommittee email Joe. Ten people have responded so far. Mark Kross needs to have an idea who on the committee is interested in entering the research needs for Mark. Please volunteer and get with Mark after the meeting.

- Marilyn Duffey reported that her committee, AR020, looked at data on rail and emissions and extended a hearty invitation to ADC10 to attend her committee
meeting, especially those interested in air and noise issues. Rail also has guidance for noise relative to humans but now there is a need to do for animals.

- Joe also passed out results of a survey in 2004 that prioritized the results of the Research Needs Conference conducted in 2002. (Attachment F).

In addition, Joe passed out more information on TERI. (Attachment G). Gary McVoy (SCOE Research Coordinator) noted that there are many different research topics in many places that involve many of the same people. He said, “Maybe we can parse these things up using common conventions” - we need to have universal language. He also noted that AASHTO is working through some of the priorities using the TERI database. Although the DOTs use TERI, Gary reminded the Committee that the Center for Environmental Excellence (CEE) is also multi-modal. Mary Ivey said it is confusing in her own agency and suggested a user manual.

- Joe Shalkowski reported that there are 65 projects ranked by STEP with 11 million dollars available and these will be discussed with the subcommittee.

- Joe Crossett reported briefly on TERI (on CEE website) and what SCOE ranked. His first handout shows rankings of the research (Attachment H) and TERI also research to be prioritized. This gives ADC10 a flavor for the hot topics. His second handout, Attachment I, shows the latest ideas added to the database (about 25 new ideas since the AASHTO SCOE meeting in California). Joe said that we need to think of how to keep database alive and how to get new information into the database so that it stays useful.

Joe’s third handout, Attachment J, shows NCHRP 25-25 projects, noting that most of these came out of TERI. Finally the handout shown as Attachment K solicits support from ADC10 to use the database. Joe wants to be sure ADC10 uses TERI and strongly encouraged AASHTO to keep the database going. Ideas may need to be submitted to both TRB’s database and TERI. Mark asked Joe Crossett to send him an email summarizing the information and clarifying what the handouts are.

Shari noted that the lists do not track. This illustrated the need for a common lexicon. SCOE said TERI can be adapted and some conventions change so communication is important. Tom Linkous said that there are other committees that use the databases and the linkage will need to go further than ADC10 for TERI to be successful.

Mark Kross reminded the Committee that Joe Shalkowski is the research gatekeeper. Joe Shalkowski says he has examples from 2002 Needs Conference as a resource for formatting. He encouraged research submittals, especially from academia.

**h) Research Presentation – Leni Oman**

Leni Oman is a research Advisory Committee member for AASHTO and the Washington State representative to TRB. Attachment L, Sources of Funding, and Attachment M was created to help folks in the research program and SCOE to
look at the deadlines and sources of funding. As the TRB database was late breaking, it is recognized that there were problems with collaboration which will improve in the future. An example is the late news to the research community of the development of TERI. Leni noted State DOTs are putting a lot into environmental research. It is State research programs that fund the NCHRP program. In additional to SPR funding there are other sources of funds such as resource grants.

Leni thinks TERI will be a resource for all these programs and a broader opportunity for idea submittal prior to submittal to the TRB database. University research program (transportation centers and must have sources of match) received an increased funding from SAFETEA-LU. Universities need matches and are always looking for ideas. Leni noted that environmental community was already ready polled for ideas and funding but time is challenging with so much to do. Leni will email “bubble chart” to Chris Gesing for web site. Over 30 states are contributing to funding. Of special note is the ”transportation pool” funding. There are at least 13 programs making use of this funding right now. In RIP there are more than 400 entries for environmental and TRIS has more than 7,000 entries for environment.

Leni belongs to Worldcat.org with more than 700,000 entries for environment. In addition, do not forget libraries exist. TRB has the national research thesaurus (TRT) on the National Transportation Library (NTL) website – a controlled vocabulary. The TRT could be a useful controlled vocabulary.

State DOT’s custom search engine was just created which also creation of URLs which can have specific rules just for that URL. WSDOT library created one for the 50 state DOT site. There is a link off the NTL website and it has received positive feedback. This is also on RE:NEPA website. Mark K will forward emails regarding these links.

NCHRP 20-75 will study how we manage data in transportation – what has been done and what do we do to move forward.

Leni and Shari reported that there was a peer exchange on May 3 and 4, 2006 on Environmental Geospatial Information Exchange – 84 attendees in the Mid-Atlantic region. A Circular (E-C106) has been produced as a result of the meeting. Leni will provide a link.

- Shari reported a meeting held by the National Resource Conservation Foundation – asking “what is the status of environmental research in America.” The attendees represented transportation, Association for the Advancement of Science and so forth. They received some very serious information about the decline of natural science in America. Shari also reminded the Committee that the natural resources agencies have access to research monies. Leni indicated that they were trying to get a list of contacts for research in different agencies.
i) Publications – Chair, Jim Bach

Potential 2008 Paper Topics are included as Attachment N. Jim indicated that 2008 paper topics will need to be coordinated with the research priorities. Jim will circulate draft of call of papers to the committee. Jim then asked about potential topics and received the following comments:

- Mike Culp put in a plug for planning and environmental review as a topic;
- Shari Schaftlein looked at environmental compliance for concession agreements, adding that another topic might be unusual partnerships. Good stories on freight modeling and how arrayed in NEPA document was also offered by Shari;
- Mark noted design build as a topic and public private partnerships – lack case studies;
- Dominique Lueckenhoff mentioned interaction as it relates to watersheds and also for storm water banking;
- Mary Ivey suggested looking transportation and land development; linkage between Transportation Demand management (TDM) and so forth and implementation;
- Case studies applying green infrastructure or ecological principles were also suggested; and
- Martin Palmer asked about doing more ecological study how to’s.

Fourteen (14) papers were assigned to the committee for this past year to review. There were a few clinches in system this year as noted by Christy. There were 30 different reviewers. Muggs helped with specialized papers and he recognized Marie Venner who did 2 posters and one paper.

j) History – Pat Trombly

This is a new subcommittee. Send anything to Pat that might be applicable. Pat is also considering doing oral history. Pat reported that she is working on a draft of goals and objective for consideration. Pat will continue information gathering. Pat said it was really a history of the environmental movement – the committee started 26 years ago.

5) Report from FHWA Office of Project Development and Environmental Review – Shari Schaftlein

Shari reported that they are looking at SAFETEA-LU follow-up with more webinars and broadcasts. Also they are asking in these venues what the needs are. The results of a survey on perception of NEPA are available. See Mike Culp/ Planning and Environmental Linkages (see their web site). There is a big funding pool under Context Sensitive Solutions (CSS). Consultant on board will help people submit. Mike Culp spoke on SHRP2 – focusing on areas such as capacity, best practices and how to do a better job of managing the entire process.
Shari said under Public Private Partnerships (PPP) there will be an environment process and a panel set up to answer questions and a workshop in a few weeks - February 22 and 23. Shari will send link. The workshop is open to the public for $1,000.

6) AASHTO Report/Center for Environmental Excellence – Shannon Eggleston  
(Gary McVoy presented.)

Gary reported that the Center has a booth at the Marriott. He also provided the link to the Center’s website (http://environment.transportation.org/). He reviewed some accomplishments such as the Practioner’s Handbooks. The next handbook will be Consultation on Section 106, followed by Screening Alternatives and Developing Purpose and Need. The Center also maintains TERI. A programmatic agreements library is in process. The Center has subject matter experts available. There is standing offer to State DOTs for 20 hours of assistance.

7) CTE Activities – James Martin, CTE

Jim reported that the green gas reduction guidebook is in final draft. There are also global climate change workshops. CTE was reauthorized but there was a reduction in funding. The CSS education and workshop development was this semester and incorporated into a graduate engineering course. In addition, CSS course curriculum is available to the committee of academic folks who contributed. There was a peer exchange on CSS in Baltimore. An on-line course is under development on indirect and cumulative impacts. ICOET reminder is Attachment O.

8) NCHRP Research Updates – Wayne Kober

NCHRP 25-23 was finished in November and the final report software is available. AASHTO is interested in the program.

9) TR News Environmental Issue – Chris Hedges

Chris introduced himself. He is the Program Officer and manages the NCHRP 25-25 study. He will coordinate the TR News issue related to the environment. He is familiar with most programs and will be at Chicago Mid-Year Meeting.

He further described the proposed TR News issue on the Environment. TR News generally revolves around a theme and now is the time for an environmental research issue related to transportation. A committee usually takes ownership of the content. For example the proposed issue could cover water, air, noise and so forth. One committee is to coordinate the issue. Chris said the time frame is usually six to eight months. In addition, the content needs to be approved by the editorial board. As the ownership needs to rest somewhere it was suggested that it be with ADC10. The Committee agreed. Marcia Bowen, Dominique Lueckenhoff and Susan Killen volunteered to facilitate this effort.
10) Open Roundtable Discussion

Mark asked all to look at emerging issues and also how we conduct our business - looking to the next 5 to 10 years.

The Chairman adjourned the meeting at 12:12 PM.
ATTACHMENT A – MEETING AGENDA
1) Introduction of Members and Friends of the Committee 8:03 am
Mark conveyed story about technology re: mailbox set-up knocked down in Missouri
Tom Linkus new committee on Ecology and Transportation – congratulations and
applause (Agenda A) (Sign in B)

2) Review and Approval of Minutes of July 2006 Business Meeting
Noted improved turn around and early action list
Some additional introductions. Chris Gesing will post the minutes on the website.

3) Remarks of the Chair – Mark Kross
   a) Sessions and Workshops Sponsored/Cosponsored by ADC10
      Named all sessions (all done by this meeting) (see website for information)
      Workshop Sunday early lessons SAFETEA-LU with Shari Shaflin
      Planning for the green and the Gray with Dominique EPA and Kris Hollen of
      Conservation Fund and Denise Rigny filled in for Andy Freke
      Stewardship subcommittee Monday morning
      Presentation sessions (juried paper not required) Achieving Smart Mitigation in
      Transportation Projects set up by Muggs
      Environmental Mega Session – noted good session but environmental posters were
      tucked away in back and Bob Newberry helped direct people in cultural resources –
      asked for folks how poster session went number of folks came through but not
      enough coming through that had interest in the Committee itself and encouraged to
      participate (Martin Palmer)(see Attachment C for hand out); Chris G noted more
      international came through; Ron DeNadai observed that poster session every year so
      need to have committee sign-in sheet and taken more advantage of audience; mark K
      suggested and agreed potential for Subcommittee and Mark will recheck Committee
      history to see if one warranted. Ron and Chris offered to help. Mark thanks chairs
      and Bill McCarthy from Michael Baker to get poster. Mark K noted appreciation for
      contribution of all other firms as well.

Marcia, Mary Ivy, Chairs were at the New and Young Members session. Marica
Swartz made cards for table with members and so forth for the tables for the meeting.
These were handouts and would be useful to have. It was like a business card. Mark

1 Note – be sure we always have a table for at least 25 comfortably. Sign in tables too. Place cards.
will talk to Marcia Swartz to have these as well and included time for committee
meeting.

Mark asked what the committee members heard at the session. Martin Palmer noted
at the ADC10 paper session the research touches with some of the other committees
such as recycle and so forth – some counter and some in same direction. Example
was emissions reductions and be sure air quality has. Mark K explained the Jim Bach
checks as publication head to see if all papers in right committee reviews.

Co-sponsored Tuesday session with Linkus on wildlife corridor in Texas and
Louisiana.

Paper session presided over by Jim Back and featured the best papers. Jim reported
we had 4 papers and will be up on web site as well as the PPT presentations. Chris
will put up shortly. See additional discussion by Jim later in these minutes. Mark
noted that 50-75 people attended the sessions – therefore generally robust attendance.
Noted about 280 committees and each committee allotted 2.3 sessions.

**Kate Quinn** – section chair and Mark K meeting at lunch today. Chairs Greenher will
be here later therefore focus on section. TRB groups - committees clustered in
sections and then further in groups. The committee has been going through
evaluation so see if opportunity for consolidation and even dissolution, Result energy
and fuels committee is new one committee with subcommittee called Climate Change
and hope to make committee stronger. Work and research has great influence with
the State if the Union address example. Kate is suggesting that this committee can
work with that committee. That committee will lose a number of sessions and so in
future their session number will go down to 2.3 sessions and would like then to be
more engaged with the section and the Committee.

We are considering doing another major environmental in 2009-10010 with example
of Pittsburgh under Wayne in 2000. Opportunity to cross over robustly with other
committees. May do survey and put together task group. Mark K has gotten interest
from Minnesota DOT. This Committee has been a good example. Noted the
Committee’s summer meeting. (see attachment D).

Kate offered to help with anything. Feel free to get back to her. Domique asked of
besides energy if there are any other emerging issues. Kate said the section is pretty
much finished. Marcia Swartz is char. Other groups still going through process.

Kate also noted better relationship with Aviation and Environment, especially
regarding fuels.

**Christy Gerencher** joined meeting and introduced self – stag officer for Energy and
Environment. Personally thanked Jim Bach for getting paper reviews done. Mark
also asked to recognize Terri Bocchini. Reminded she is here to help out.

Christy announced appointment of Ron DeNadai as emeritus member of the
committee. Kate presented certificate of appreciation of service to TRB.
Talked about the Summer Meeting and we are guinea pigs for joining the TRB summer meeting and happy to have us join in July at Chicago. The offer to come was to let us have full workshop just before the TRB summer workshop and they will handle all the logistics. Make your hotel reservations now. Christy will work with Ron and Mark to get information out. Christy worked on getting registrations as low as possible and let us into the major sessions and concurrent sessions – theme is on sustainability. No meals are included. A tour may be included but need to decide where and if that would ultimately incur a cost. Christy will provide personal list of must do’s. Will be $300-400. July 4 celebration is actually on 3rd in Chicago.

New research needs database asking each standing committee is to contribute. By end of today Mark K is to identify persons to enter in research needs statements by this committee. This site will be available to public but data entry secure. The person will enter research problem statements. For example ideas for thesis, ideas for NCHRP and DOT can include on their submission of the problem statement. June 1st is deadline for first set of research needs statement. This will be paired with the Research in Progress site on TRB website. This will be a continuing progress and every committee has to do this. There is a beta site that is up and populated with 100 needs statements. No specific style – couple paragraphs and maybe think for using NCHRP format. Kate suggested starting with the results of the part research needs. Kate also noted maybe another research forum. Mark Crossett noted TERI database for AASHTO. Joe S asked how the database organized. Will be searchable database with boxes in drop down boxes with subject areas and modes and system will query and then the system will pull up. Each will be tagged with Committee that submitted. Cost can be added but not required. Michael Culp asked about duplication if more than one committee submits.

Christy noted changes in the committee and empathized the need to communicate between committee and that there are a multitude of related committees Burr Stewart and rail Subcommittee and Marin Subcommittee are some to increase engagement. Document efforts to reach out to other committees. Marcia noted she had been to all of the meeting she just noted.

2008 spotlight theme - Partnerships for Progress in Transportation…reaching out beyond borders, ways to work well with others. October 1 all due with preliminary list to Christy in June

Mark K - reviewing TRB cheat sheet
More 3,079 papers submitted with 60% presentations and 40% poster, 2% at Committee meeting, 50% paper presentations and balance in hybrid. Extended to August 6th as system crashed so looking at expanding server capabilities and will stagger by topic in future. 134 poster sessions and gaining in interest. These now up with paper sessions and offer opportunity to talk with people on 1:1. 79 workshops. 257… reducing number of papers for publications from 30% to 25%.

Next year partners for Transportation Progress.

Standing Committees – request Committee input on action plans.
Shawn Furness so that partnership to pay for TRB functions. However, opportunity to turn more for commercial - having sessions or posters and exhibits from consultants of work the consultants were doing. Generally need to have focus on projects not advertisements. Also even too commercial if WSDOT hats not saying TRB hats. “It won’t be the Frito Lay” and will sell sponsorships. Shawn also suggested targeted invitations. Example Federal Lands barely realize transportation integral. Shawn also noted linkage and groups could be targeted as well beyond Corps and EPA and so forth.
Shawn also noted better mixing of North American concerned on natural resources and TRB meeting.

Leadership Guide to Committees circulated:
- Enter research needs data.
- More than one member of an organization can join if the member can serve as a mentor as a young member. No limit on member outside US. One international member currently. No limit on international so there could be on US and then one international on same committee or agency. In response raised regarding meeting, Canadian members counted same as US members in terms of more than one membership.
- Failure to perform duties is grounds for dismissal. Need to respond to mark when requested or as part of duties.
- Mark K also received welcome to new members he received and what it contained, including committee flow chart. This is new and in memberships invitations. New members indicated that they had not received. Tom Linkus indicated that the guide is accessible on the web. We will get a link to the site.
- Kim Fisher associate technical director of research activities. Kim says we are doing fine. She will be able to help committee in that regard.
- Over 11,000 attended and set record.
- De Minus review (Lamar) on de minimus review with FHWA and TRB.
- January 8th letter and discussed with Marcia Schwartz (from Kim Fisher and Marcia Swartz) following specific comments offered by TSE reviews. Encouraged delegation of responsibilities. Committee members have a lot to contribute. Diversity is one of strengths. Purpose is obvious and active and enthusiastic committee. The Committee actively looks to work with other committees and organization. Interesting in that TSE is 3 years old and due for new one. Tom Linkus noted that this committee has spawned two other committees.

Mark noted that he had sent out list of survey results and those have not filled out to send to Mark and Kim Gambrill to populate each subcommittee. Mark will ask the population of subcommittees from list.

b) Review of Committee Organization
   i) Emeritus candidates?

c) Other TRB Issues
i) TRB Strategic Plan Objectives and Action Plan

ii) Research Needs Database

4) Sub-Committee Reports

a) Steering – Chair, Kim Gambrill (given by Martin Palmer)(Attachment E)

Thank Kim Gambrill for completing all this work and the 10 folks that had made comments.

Circulated for review on November 22nd and prepared final versions on January 14th to be ready for adoption. Also circulated revised Steering committee goals.

In January will complete final revisions as necessary following their adoption.

As part of the roles the Subcommittee will help mark with TSE. History subcommittee ready for summer meeting Martin and Marie Veneer will be helping Kim with subcommittee work. Reviewed every three years. Motion passed.

For Steering subcommittee goals Chris Gesing noted consideration under B to indicate getting the word out by email. The newsletters are still continuing but make minor modification. Motion passed pending possible modification.

b) Natural Resources & Environmental Stewardship – Chair, Andy Fekete (given by an unnamed subcommittee member)

c) Liaison – Chair, Jim Bednar

Reminded all to report very briefly. Follow up with something in writing. All provide something in writing to Jim Bednar. Jim also circulated sheets with other committees for liaison. Environmental Issues in Transportation Law - wanted liaison: sign up or email.

Shawn national park and committee – Minimum Impacts in Roads. Riparian restoration and Field guide Dust suppression is issue du jour. Workshops for 2008. Plug for meeting in Austin. Next conference in 4 years and starting to look at topics and locations.

Marie venner sustainability and will receive indicators this next year from Transportation and land development Committee looking to collaborate

Shari GIS subcommittee has environmental component to work, GIS T will have more env sections than usual, STEP advanced research of 20 million dollars to think about GIS send and environmental worked 20 years form now and what doing high risk research and workshop in fall.

Marcia – Aviation environmental issues circulated and will add climate change and was theme in all other modal committees, interest in how SAFETEA-LU to take to modes not under SAFETEA-LU and interest in wildlife modes

Pat T – haz materials focus on vehicles and safety issues, will be at 2007 summer conference, ADC70 and AD? ) over lapped and past held meetings thought and Barney national parks work together.
Joe’s ADD50 Env Justice and integrate env health had poster session and paper session

Joe Crosset – Env Performance measure sand will be at summer mtg

Denise – hydrology committee was interested in partnering

Craig attending this afternoon

AD60) very robust and active and now name change – waste management and resource efficiency with 3 technical subcommittees

Gary env maintenance mtg today 0 has not been active

Mark Archaeology Tony Opperman new chair and pressed for joint meetings and will continue some affiliation

d) Web-Site – Chair, Chris Gesing

Goal to be electronic Carol Zarker and hosting web site for committee, Get minutes and presentations and papers on web. Linking to arch for Santa Fe. Thanks to all for this week’s presentations. Will be working with Pat and history committee. Thanks to Chris and to Bill (newsletter offer extended).

e) Mid-Year Workshop – Chair, Ron DeNadai

- As Emeritus member still heads this committee. Identify candidates succeed him and mentor over next two years. Encourage Friends involvement. Please candidate Ron.

- Seattle – July 9th-12th – Ron thanks martin. 94 attendees from 11 states, balance between private and public sector, survey showed boat tour and dinner got 4.9, but business meeting got 4 points. 17% return in surveys. Martin thanked all companies, agencies, and attendees. Martin encouraged everyone to consider sponsoring if they have not done so in past. Ended in the e black financially

- More on Chicago – This summer with Chicago, in downtown at expensive property. Program running Friday through Monday – all day on Friday. Saturday morning will have return four workshops in morning and then TRB general session will kick off in afternoon information kick off in evening. Sessions in morning and Andy will greater ad facilitate in of the concurrent sessions. Sunday afternoon July 8th is business meeting; TRB Monday will have other meetings. Will look for 6 moderators for program. The moderator will make speaker contact and so forth. If interested please let Ron now. Environmental face of transportation sustainability is our theme and suggests topics under this as well. Note: agenda still to be confirmed.

May faces…going strong but where? …broad view of environmental initiatives, helping through productive partnerships (what can we do to kick charge environmental with safety as example of something now in all – this is session)

Denise offered to moderate. James Martin reminded us of interested in working with SCOE. Mark indicated SCOE wanted more rigor in setting agenda. In addition, Little Rock may be postponed since ICOET there this year.
Mike Culp noted that Linking Planning and NEPA and also grounds for some collaborative activities and will work on that aspect. Pat thought maybe we could spread ourselves on Monday between other committees so even if not liaison we could spread. (Pat volunteered.)

- 2008 maybe similar to what Kate noted “C “section meeting similar to what we had in Pittsburgh.

f) Newsletter – Chair, Craig Casper
No newsletter out this time period. It was determined that there is a need for a newsletter chair. Marcia is willing to help. She helps with new committee. Green Highways article was offered. Following discussion Mark indicated still newsletter. Frank offered to lead. New chair. Mark asked Frank to work with Chris and Marcia has offered to help. Any comments or interest please get in touch with Franck.

g) Research Topics – Chair, Joe Shalkowski
Thanks to Diana and so forth which was critical to identification of TERI. New members have committed. Reference STEP, RIP, TRIS, TERI will be made in report. Series of handouts.

- 5 Focus Areas (Attachment F) (repeat here) based on the Subcommittee’s goals and objectives. These passed on so that the research hot topics can be aligned with conferences (give to Ron).

- Membership (Attachment G) wanted a commitment to try to attend both meetings and participated in quarterly conference calls and very active. Joe wants people out in the research committee so please email him. 10 people have responded. (Attachment H). Mark Kross needs to have an idea who on the committee is interested in entering the research needs for Mark. Please volunteer and get with Mark. Joe Crossett will be help as point of but Mary Ivy also work on this. Joe was told the model focus is more than AASHTO interest.

- Marilyn Duffey noted their committee looked data rail and emissions and extended a hearty invitation to the committee and especially air and noise folks should go to her committee. Rail also has guidance for nose relative to humans but how or do for wild and others.

- Joe also passed out results of survey in 2004 that prioritized form the Research Needs conference n 2002. (Attachment I).

- Joe passed out more information on TERI. (Attachment J). Gary (SCOE research coordinator) noted so many different research topics in many places and involving some of the same folks. Maybe we can parse these things up using some of the same conventions. Noted that AASHTO work through some of the priorities. The center also is multi-modal. Mary Ivy said it is confusing in our own agency, need a user manual.

- Joe C reported on TERI briefly. First handout shows rankings (Attachment K). Attachment L shows latest ideas added to the database. Need to think of how to keep database alive and how to get new stuff up so database stays useful.
Attachment M shows 25-25 projects and most of these came out to TERI. Finally in Attachment N solicits support from ADC10 to use the database. Mark K asked Mark C to shoot him an email. Mark K also asked Joe S for email to show progressions. Shari noted that the lists to not track. This illustrated need for common lexicon. SCOE said TERI can be adapted and some conventions change so communication important. Tom Linkus that there are other committees and the linkage will need to go further than ADC10.

- Mark Kross reminded committee Joe S is the gatekeeper. Joe S says he has example from 2002 needs Conference. Joe S encouraged submittals.

- Leni Olman on multi committees to help in research. Attachment O, Sources of Funding, and Attachment P was created to help folks in the research program and SCO. Recognized problems with collaboration as the TRB database was late breaking so collaboration needs improving. Leni noted that the State DOTs are putting alit into environmental research. State research programs fund the NCHRP program. In additional to SPR funding there are other sources of funds. Leni thinks TERI will be a resource for all these programs and a broader opportunity for idea submittal prior to submittal to the TRB database. University research program received an increased funding from SAFETEA-LU. Universities need matches and are always looking for ideas. Noted that environmental community ready for polled ideas and funding but time is challenging with so much to do. Leni will email “bubble chart” to Chris G for web site. Over 30 states are contributing. In RIP more than 400 entries for environmental and TRIS more than 7000 entries. Belongs to Woldcat.org and do not forget libraries exist with more than XXX for environment. On TRT national Library website with some hierarchy of language. Sate DOT search engine so now enter specific URL to search what you want to search. WSDOT library created one for DOT. Linked off NTL website and positive feedback. This is also on RE:NEPA website. Mark K will forward emails regarding these links. 20-75 how do we manage data in transportation. Peer exchange on May 3 and 4 on Glossarial Exchange – 84 attendees in Mid-Atlantic Circular has been E-C106 produced and Leni will provide a link. Feel free to ask contact Leni.

- Shari reported meeting held – what is the status of environmental research and represented transportation, Association for the Advancement of Science. Shawn also reminded the natural resources agencies have access to research monies. Leni indicated that they were trying t get a list of contacts for research in different agencies.

h) Publications – Chair, Jim Bach
   i) Potential 2008 Paper Topics (Attachment Q)
      Need to coordinate papers with research priorities and with the summer call for papers all coordinated. 14 papers assigned to committee. There were a few clinches in system as noted by Christy - 30 different reviewers. Muggs helped with specialized papers and recognized Marie venner and did 2 posters and paper. 4 papers were 585 sessions identified. Will circulate draft of call of papers to the committee. Potential topics? Mike Culp put in plug for planning and
Shari looked at env compliance for concession agreements. papers on unusual partnerships, mark K noted design build. Dominique in ho with link with watersheds. Storm water banking. Mary Ivy suggested looking transportation and land development. Linkage between TDM and so forth and implementation. Good stories on freight modeling an arraying in NEPA document offered by Shari. Case studies apply green infrastructure or ecological. Martin asked about doing more ecological study how to’s.

i) History – Pat Trombly
New subcommittee (Attachment R).
Send anything to oat applicable an also considering doing an oral history. Email pat. Working on draft goals and objective in draft f consideration. Continue information gathering. Really history if environmental movement – when committee started 26 years amazing.

Mark K will email report to committee for Andy Freke. Balance natural resources and stewardship more of Tom and analysis part more in ours.

5) Remarks by TRB Staff Liaison – Christy Gerencher (see earlier under XX).

6) Report from FHWA Office of Project Development and Environmental Review – Shari Schaftlein
Slide show and Shari will send link. Key deadline with federal register Notice…update lines of research do not submit proposal. Shari noted database not transparent. Will look at SAFETEA-LU follow-up. More webinars and broadcasts. (Attachment?) Also ask in these venues what needs are. Left over monies to support congestion needs. EO pilot projects will have congestion initiative. (Attachment T). Results of survey on perception of NEPA. See Mike Culp of planning and environmental linkages (see their web site). Financing large pool effort under CSS. Consultant on board will help people submit. If you throw money to fund you can be part of decisionmaking. Also place to bring states together. Mike Culp on SHARP2 – focus areas such as capacity and full process best practices and how to do a better job of managing the entire process. Shari said PPP there will be an environment process and a panel set up pt answer questions and a minim workshop afterwards in a few weeks. February 22 and 23. Shari will send link. Open to public for $1000.

7) AASHTO Report/Center for Environmental Excellence – Shannon Eggleston Gary McVoy present. There was link given and booth at Marriott. Reviewed some of the accomplishment s such as workbooks. Next is Consultation on 106, screening alternatives and developing Purpose and Need. Center maintains TERI. Programmatic agreements library. Also does problem solving. Experts available and standing offer to State DOTs of r 20 hours of assistance.

8) CTE Activities – James Martin, CTE (Attachment U) Green gas reduction guidebook in final draft, and so forth toolkit for CSS NCHRP, AASHTO
Reauthorized by reduction in funding. Education and workshop development ending this semester and graduate engineering course. In addition, curse curricular available and to committee of academic folks who contributed. On line course under development in indirect a cumulative impacts. Worked n peer exchange in CSS in Baltimore also global climate change workshops. ICOET reminder is Attachment V.

9) NCHRP Research Updates – Wayne Kober Bill Robert CS 25-23 finished work in November and sent in final reports software available when report finalized and AASHTO interested in program.

10) TR News Environmental Issue – Chris Hedges Program officer and manages 25-25 study. Familiar with most programs and will be at Chicago meeting. Ability to participate has to do with funding. Theme issues and now time for environmental research issues in transportation, usually committee will take ownership. Ex water, air, noise and so forth. A[point one member to coordinate. Time frame 6-8 months to work with. Need approved by editorial board. Committee needs to pick up. Ownership needs to rest somewhere. 6 months for drafts. Agree to take. Dominique and Susan will lead.

11) Research Presentation – Leni Oman (see above)

12) Open Roundtable Discussion
   Asked all to look at emerging issues and also conducting our business - look to next 5 to 10 years.

13) Closing  12:12pm
ATTACHMENT B – LIST OF ATTENDEES
## Environmental Analysis in Transportation Committee

Mark S. Kross, Missouri Department of Transportation, presiding
Wednesday, January 24, 2007, 8:00am-12:00pm, Hilton, Conservatory

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<td>Carmen Kloser</td>
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<td>Lisa Zeman</td>
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<td>Jim Bach</td>
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<td>Mary E. Ivey</td>
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ATTACHMENT C – SESSIONS OF INTEREST
### 2007 TRB Annual Meeting – Environment & Energy Section Workshops, Sessions and Meetings of Interest

**At Hilton Hotel, unless otherwise indicated**

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<td>8:00-9:45</td>
<td><strong>233</strong> The Future of Energy in Transportation, Part 1: Breaking the Chains of Petroleum Dependence&lt;br&gt;ADC10(1) Environmental Stewardship Subcmt. Mtg. (Grant)&lt;br&gt;ADC20(2) Guided Rail and Transit Noise Subcmt Mtg. (Grant)</td>
<td><strong>458</strong> Environment &amp; Energy Poster Session - 9:30-Noon (International Center)&lt;br&gt;ADC40(1) Highway Noise &amp; Vibration Subcmt Mtg. (Grant)&lt;br&gt;AV030 Environmental Impacts of Aviation Cmte Mtg. (SHOREHAM, Calvert)</td>
<td><strong>647</strong> What Does the Future Hold for Hybrid Vehicles?&lt;br&gt;ADC40 Cmte Mtg (Hemisphere)&lt;br&gt;ADC10 Cmte Mtg (Conservatory)&lt;br&gt;ADC50(2) Strategic Planning Subcmt. Mtg. (Adams)</td>
<td>Sunday, January 21, 2007**&lt;br&gt;<strong>WORKSHOPS</strong>&lt;br&gt;8:30am-5pm:&lt;br&gt;<strong>133</strong> Guidelines on Conducting Project Level Air Quality Analysis&lt;br&gt;8:30am-Noon:&lt;br&gt;<strong>120</strong> Early Lessons Learned in Implementing SAFETEA-LU Environmental Provisions&lt;br&gt;<strong>125</strong> Programs and Practices to Enhance Waste Management, Conserve Resources, and Practice Sound Environmental Management in DOTs 1:30p-5:00pm:&lt;br&gt;<strong>165</strong> Community, History and Highways: Context Sensitive Design &amp; Historic Preservation&lt;br&gt;<strong>171</strong> Planning for the Green and the Grey: How Green Infrastructure Plans Can Help Advance Transportation Projects&lt;br&gt;2:30p-4:00p:&lt;br&gt;<strong>New &amp; Young Attendees Welcome Session (MARRIOTT, Salon 2)</strong>&lt;br&gt;4:00p-6:30p:&lt;br&gt;<strong>Policy &amp; Multimodal Groups New Chairs Orientation – COMMITTEE CHAIRS ONLY (SHOREHAM, Calvert)</strong>&lt;br&gt;6:30p-9:30p:&lt;br&gt;<strong>Policy &amp; Multimodal Group Chairs Dinner – COMMITTEE CHAIRS ONLY (SHOREHAM, Palladian)</strong>&lt;br&gt;6:00p-8:00p:&lt;br&gt;<strong>International Reception (HILTON, International East)</strong>&lt;br&gt;2:30p-4:00p:&lt;br&gt;<strong>ADD40(1) Sustainable Transportation Indicators Subcmt. Mtg. (Bancroft)</strong>&lt;br&gt;<strong>AV030(1) Aviation Sustainability Subcmt. Mtg. (SHOREHAM-Senate)</strong>&lt;br&gt;<strong>ADD40 Transportation and Sustainability Cmte. Mtg. (Caucus)</strong>&lt;br&gt;<strong>ADC60 Cmte. Mtg. (State)</strong>&lt;br&gt;**Color Code Key: **&lt;br&gt;<strong>BLACK</strong> – Sessions sponsored by Aviation Group Committees; <strong>PURPLE</strong> – Sessions cosponsored by/of interest to Section Committees; <strong>BLUE</strong> – Poster Session; <strong>RED</strong> – Special Events; <strong>GREEN</strong> – Committee/Subcommittee Meetings</td>
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Sessions, Cosponsored Sessions, Workshops and Published Meetings By Committee:

**Environment and Energy Section (ADC00)**
- 458 Environment & Energy Poster Session *Tuesday, January 23, 2007, 9:30am-12:00pm, Hilton, International Center*
- Environment & Energy Section Luncheon – MEMBERS ONLY - *Wednesday, January 24, 2007, 12:00pm-2:15pm, Hilton, 1919*

**Environmental Analysis in Transportation (ADC10)**
**Sessions:**
- 585 Papers in Environmental Analysis in Transportation *Tuesday, January 23, 2007, 3:45pm-5:30pm, Hilton*
- 369 Achieving Smart Mitigation in Transportation Projects *Monday, January 22, 2007, 3:45pm-5:30pm, Hilton*

**Cosponsored Sessions**
- 507 Wildlife Issues for Rail and Highway Corridors *Tuesday, January 23, 2007, 1:30pm-3:15pm, Marriott*

**Workshops**
- 120 Early Lessons Learned in Implementing SAFETEA-LU Environmental Provisions *Sunday, January 21, 2007, 8:30am-12:00pm, Hilton*
- 171 Planning for the Green and the Grey: How Green Infrastructure Plans Can Help Advance Transportation Projects *Sunday, January 21, 2007, 1:30pm-5:00pm, Hilton*

**Published Meetings**
- Environmental Analysis in Transportation Committee *Wednesday, January 24, 2007, 8:00am-12:00pm, Hilton, Conservatory*
- Natural Resources and Environmental Stewardship Subcommittee *Monday, January 22, 2007, 8:00am-9:45am, Hilton, Dupont*

**Transportation and Air Quality (ADC20)**
**Sessions:**
- 521 Opportunities to Reduce Diesel Emissions *Tuesday, January 23, 2007, 1:30pm-3:15pm, Hilton*
- 647 What does the Future Hold for Hybrid Vehicles? *Wednesday, January 24, 2007, 8:00am-9:45am, Hilton*
- 375 Impacts of Climate Change on Transportation Infrastructure and Systems *Monday, January 22, 2007, 3:45pm-5:30pm, Hilton*

**Workshops:**
- 135 Guidelines on Conducting Project Level Air Quality Analysis *Sunday, January 21, 2007, 8:30am-5:00pm, Hilton*
Published Meetings
- Transportation and Air Quality Committee [Wednesday, January 24, 2007, 2:30pm-6:00pm, Hilton, Hemisphere]
- Project Level Air Quality Analysis Subcommittee [Wednesday, January 24, 2007, 10:15am-12:00pm, Hilton, Adams]
- Traffic Control Measures Subcommittee [Monday, January 22, 2007, 1:30pm-3:15pm, Hilton, Grant]

Ecology and Transportation (ADC30)
Sessions:
- 591 Transportation Ecology Research and Practices [Tuesday, January 23, 2007, 3:45pm-5:30pm, Hilton]

Cosponsored Sessions/Workshops
- 507 Wildlife Issues for Rail and Highway Corridors [Tuesday, January 23, 2007, 1:30pm-3:15pm, Marriott]
- 171 Planning for the Green and the Grey: How Green Infrastructure Plans Can Help Advance Transportation Projects [Sunday, January 21, 2007, 1:30pm-5:00pm, Hilton]
- 743 Transportation-related Environmental Issues in Parks and Public Lands [Wednesday, January 24, 2007, 4:30pm-6:00pm, Hilton]

Published Meetings
- Ecology and Transportation Committee [Monday, January 22, 2007, 1:30pm-3:15pm, Hilton, Caucus]

Transportation-Related Noise and Vibration (ADC40)
Sessions:
- 592 Wayside Transit Noise Predictions Used to Supplement the FTA Noise Impact Methodology [Tuesday, January 23, 2007, 3:45pm-5:30pm, Hilton]

Published Meetings
- Transportation-Related Noise and Vibration Committee [Wednesday, January 24, 2007, 8:00am-12:00pm, Hilton, Hemisphere]
- Guided Rail and Transit Noise Subcommittee [Monday, January 22, 2007, 8:00am-9:45am, Hilton, Grant]
- Aircraft Noise Subcommittee [Monday, January 22, 2007, 10:15am-12:00pm, Hilton, Grant]
- Highway Noise and Vibration Subcommittee [Tuesday, January 23, 2007, 8:00am-9:45am, Hilton, Grant]
Historic & Archeological Preservation in Transportation (ADC50)

Sessions:
- **689** No Time to Lose: Dealing with Cultural Resources in an Emergency [Wednesday, January 24, 2007, 10:15am-12:00pm, Hilton]

Cosponsored Sessions
- **220** Steel Truss Bridges: Understanding our Past and Preserving it for the Future [Monday, January 22, 2007, 8:00am-9:45am, Shoreham]

Workshop (W)s
- **165** Community, History and Highways: Context Sensitive Design and Historic Preservation [Sunday, January 21, 2007, 1:30pm-5:00pm, Hilton]

Published Meetings
- Historic & Archeological Preservation in Transportation Committee [Monday, January 22, 2007, 1:30pm-5:30pm, Hilton, Georgetown South]
- Programs Subcommittee [Tuesday, January 23, 2007, 3:45pm-5:30pm, Hilton, Chevy Chase]
- Strategic Planning Subcommittee [Wednesday, January 24, 2007, 8:00am-9:45am, Adams]
- Tribal Historical and Archeological Preservation in Transportation Joint Subcommittee of ADC50, ABE80 [Monday, January 22, 2007, 7:30pm-9:30pm, Hilton, Adams]

Waste Management and Resource Efficiency in Transportation (ADC60)

Sessions:
- **528** Using Proactive Environmental Management and Sustainability Practices and Concepts to Enhance DOT Business and Environmental Performance [Tuesday, January 23, 2007, 1:30pm-3:15pm, Hilton]

Workshop (W)s
- **125** Programs and Practices to Enhance Waste Management, Conserve Resources, and Practice Sound Environmental Management in DOTs [Sunday, January 21, 2007, 8:30am-12:00pm, Hilton]

Published Meetings
- Waste Management and Resource Efficiency in Transportation Committee [Tuesday, January 23, 2007, 7:30pm-9:30pm, Hilton, State]

Transportation Energy (ADC70)

Sessions:
- **686** Investing in New Fuels and Vehicles: New Players, New Paradigms [Wednesday, January 24, 2007, 10:15am-12:00pm, Hilton]
Cosponsored Sessions

- **647** What Does the Future Hold for Hybrid Vehicles? [Wednesday, January 23, 2007, 8:00am-9:45am, Hilton, Monroe West]
- **404** Plug-In Hybrid Opportunities and Challenges [Monday, January 22, 2007, 7:30pm-9:30pm, Hilton]

Published Meetings

- Transportation Energy Committee [Tuesday, January 23, 2007, 1:30pm-3:15pm, Hilton, Conservatory]
- International Aspects of Transportation Energy Subcommittee [Wednesday, January 24, 2007, 2:30pm-4:00pm, Hilton, Conservatory]

Alternative Transportation Fuels (ADC80)

Sessions:

- **404** Plug-In Hybrid Opportunities and Challenges [Monday, January 22, 2007, 7:30pm-9:30pm, Hilton]

Cosponsored Sessions

- **647** What Does the Future Hold for Hybrid Vehicles? [Wednesday, January 23, 2007, 8:00am-9:45am, Hilton]
- **686** Investing in New Fuels and Vehicles: New Players, New Paradigms [Wednesday, January 24, 2007, 10:15am-12:00pm, Hilton]

Published Meetings

- Alternative Transportation Fuels Committee [Tuesday, January 23, 2007, 3:45pm-5:30pm, Hilton, Conservatory]
ATTACHMENT D – RESEARCH SUBCOMMITTEE 5 FOCUS AREAS
TRB’S ADC10 RESEARCH TOPICS SUBCOMMITTEE’S
FIVE FOCUS AREAS

➢ Contribute research ideas as opportunities arise.

➢ Track what happens to research ideas generated in the transportation and environmental professions through monitoring of TERI and other data sources.

➢ Identify which research ideas may be “hot topics” for ADC10 calls for papers or calls for presentations through coordination with our AASHTO, TRB, FHWA, State DOT, and institutions of higher learning partners.

➢ Track what happens to the research that is funded (e.g. STEP, NCHRP, 25-25, etc.) so that appropriate links to the research results are available and arrangements are made to present the results at TRB, if appropriate, during a presentation/poster/or paper session.

➢ Support any future Research Needs Conference.
ATTACHMENT E – RESEARCH SUBCOMMITTEE MEMBERS
ADC10 RESEARCH TOPICS SUBCOMMITTEE
2007-2009 MEMBERSHIP
(as of January 19, 2007)

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✉ Fax: 407.514.1499
✉ Email: teresa.townsend@c-b.com
cell phone: 919.264.7191

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Email: mailto:lynn.malbrough@arkansashighways.com
ATTACHMENT F – TERI SPRING 2006 RANKING
# Hot Research Ideas – TERI Spring 2006 Ranking Results

<table>
<thead>
<tr>
<th>Research Area</th>
<th>Rank</th>
<th>Topic Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Quality</td>
<td>5</td>
<td>Evaluate the Interactions Between Transportation-Related Particulate Matter, Ozone, Air Toxics, Climate Change, and Other Air Pollutant Control Strategies</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>Assessment of Air Quality Impacts of Alternative Land Use Planning Approaches</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>Develop an Ammonia-Related Emissions Component for Inclusion In PART or MOBILE Emissions Models</td>
</tr>
<tr>
<td>Construction and Maintenance Practices</td>
<td></td>
<td>No 4 or 5 ratings for this topic area.</td>
</tr>
<tr>
<td>Context Sensitive Solutions</td>
<td></td>
<td>No 4 or 5 ratings for this topic area.</td>
</tr>
<tr>
<td>Energy</td>
<td>4</td>
<td>Analysis of the Costs and Benefits of Transportation Strategies to Improve Energy Security</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>Developing Better Ways to Measure the Number of Alternative Fuel and Advanced Technology Vehicles</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>Fuel Economy and Global Warming: Understanding How Consumer Behavior Influences the Link Between Transportation and Global Warming</td>
</tr>
<tr>
<td>Environmental Enhancements</td>
<td></td>
<td>No 4 or 5 ratings for this topic area.</td>
</tr>
<tr>
<td>Environmental Justice</td>
<td>5</td>
<td>Recurring Community Impacts</td>
</tr>
<tr>
<td></td>
<td>4.5</td>
<td>Develop Techniques for Ensuring Public Involvement Activities During Transportation Project Development Include Non-Traditional Populations</td>
</tr>
<tr>
<td></td>
<td>4.5</td>
<td>Case Studies of Best Practices, Model Initiatives and Mitigation Strategies that Incorporate the Principles of Title VI and Environmental Justice in Transportation Decisions</td>
</tr>
<tr>
<td></td>
<td>4.3</td>
<td>Develop Performance Measures to Evaluate the Effectiveness of Public Involvement, Community Impact Assessment, and Environmental Justice Processes</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>Strategies for Effective Dialogue On Complex Transportation Issues And Decision-Making Processes with Communities Of Diverse Backgrounds</td>
</tr>
<tr>
<td>Environmental Management Systems</td>
<td></td>
<td>No 4 or 5 ratings for this topic area.</td>
</tr>
<tr>
<td>Historic Preservation and Cultural Resources</td>
<td>5</td>
<td>Implementation of Cultural Resource Commitments</td>
</tr>
<tr>
<td></td>
<td>4.6</td>
<td>Streamlining Evaluation of Historic and Cultural Resources by Using Historic Contexts</td>
</tr>
<tr>
<td>Invasive Species</td>
<td></td>
<td>No 4 or 5 ratings for this topic area.</td>
</tr>
<tr>
<td>Land Use and Smart Growth</td>
<td>4</td>
<td>Improving Understanding About How Highway Capacity Influences Development and Land Use Patterns</td>
</tr>
<tr>
<td>NEPA Process</td>
<td></td>
<td>No 4 or 5 ratings for this topic area.</td>
</tr>
<tr>
<td>Noise</td>
<td></td>
<td>No 4 or 5 ratings for this topic area.</td>
</tr>
<tr>
<td>Secondary, Indirect and Cumulative Impacts</td>
<td>4</td>
<td>Guidance on Legal Sufficiency Criteria for Adequate Cumulative &amp; Secondary Impacts Analysis in EIS Documents</td>
</tr>
<tr>
<td>Tribal Consultation</td>
<td></td>
<td>No 4 or 5 ratings for this topic area.</td>
</tr>
<tr>
<td>Waste Management, Recycling, and Brownfields</td>
<td></td>
<td>No 4 or 5 ratings for this topic area.</td>
</tr>
<tr>
<td>Water Quality/Wetlands</td>
<td></td>
<td>No 4 or 5 ratings for this topic area.</td>
</tr>
<tr>
<td>Wildlife and Ecosystems</td>
<td>4</td>
<td>National Habitat Linkage and Connectivity Mapping Initiative</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>Compile and Evaluate Alternate Strategies for Maintaining Riparian Ecosystems Crossed by Transportation Facilities</td>
</tr>
</tbody>
</table>
Transportation and Environment Research Ideas (TERI) Database

About TERI | View Ideas | Send Comments | Suggest an Idea

RiP | TRIS | NCHRP Planning Research | NCHRP Environmental Research

About TERI

TERI is the AASHTO Standing Committee on Environment's central storehouse for tracking and sharing new transportation and environmental research ideas. AASHTO's Center for Environmental Excellence maintains TE and keeps all content relevant. Suggestions for new ideas are welcome from practitioners across the transportation and environmental community. Members of Sub Committees within AASHTO's Standing Committee on Environment have responsibility for regularly rating the ideas in TERI to provide a gauge of each research idea's merit for practitioners.

TERI provides a timely, organized, and comprehensive list of research ideas to policy makers and researchers as they make choices in forums such as NCHRP's 25-25 and 8-36 research programs about research priorities. As the best research ideas in TERI are implemented, you can search the Transportation Research Board's Research in Progress (RiP) database to find out more about their status. After research is completed, you can search the US Department of Transportation and Transportation Research Board's TRISOnline catalogue to find information about final reports and other research products.

Anyone can view the TERI database or suggest new research ideas. Use the tool bar at the top of each page to view TERI's organized and topical list of research ideas or find out how to share new research ideas with others. Or start by clicking on a topic area below.

- All Topics
- Air Quality
- Construction and Maintenance Practices
- Context Sensitive Solutions
- Energy
- Environmental Enhancements
- Environmental Justice
- Environmental Management Systems
- Historic Preservation and Cultural Resources
- Invasive Species
- Land Use and Smart Growth
- NEPA Process
- Noise
- Secondary, Indirect and Cumulative Impacts
- Tribal Consultation
- Waste Management, Recycling and Brownfields
- Water Quality/Wetlands
- Wildlife and Ecosystems

http://environment.transportation.org/teri_database/

1/12/2007
a. Research Topics – Chair, Dianna Noble

Dianna thanked Joe Shalkowski and Tim Hill from Ohio DOT for their contributions to the Research Topics Subcommittee. The purpose of the Subcommittee is to identify the items Committee felt most important.

Dianna, in advance of the meeting, had forwarded to the Committee members a summary of TRB’s Identified Environmental Research Needs in the areas of:

- Aesthetics and Visual Quality (AVQ)
- Environmental Review Process (ERP)
- Environmental Information Management (EIM)
- Transportation, Human Health, and Physical Activity (THH)
- Community Impact Assessment (CIA)
- Emerging Technologies (ET)
- Land Use (LU)
- Planning and Performance Measures (PPM)
- Operations and Maintenance (OM)
- Water Quality and Hydrology (WQH)
- Wetlands (W)
- Wildlife and Ecosystems (WE)

Two topics were selected as highest priority based on the Committee’s response:
1. AVQ4 Quantification of Benefits and Cost-Effectiveness of Context-Sensitive Designs and Solutions in Transportation Facilities
2. LU15 Integrated Transportation and Land Use: Environmental Strategies for Sustainability

It should be noted that identified research needs that were in a more specific group such as air and noise were not included.
ATTACHMENT I – TERI DATABASE IDEAS SINCE 07-06
<table>
<thead>
<tr>
<th>Research Area</th>
<th>Topic Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Quality</td>
<td>Methods to Address Greenhouse Gas Emissions from Transportation Construction/Maintenance/Operations Activities</td>
</tr>
<tr>
<td></td>
<td>Transportation Program Responses to Greenhouse Gas (GHG) Reduction Initiatives and Energy Reduction Programs</td>
</tr>
<tr>
<td></td>
<td>User-Friendly Tool to Evaluate Potential Near Roadway Air Toxics Exposures</td>
</tr>
<tr>
<td></td>
<td>Development and Implementation of a Transportation and Climate Change Clearinghouse</td>
</tr>
<tr>
<td>Construction and Maintenance Practices</td>
<td>Nesting Swallow Control on Bridges and Concrete Box Culverts (CBCs)</td>
</tr>
<tr>
<td></td>
<td>Green Design Features and Management Practices Quantification Research Project</td>
</tr>
<tr>
<td></td>
<td>Asset Management of Environmental Mitigation Features</td>
</tr>
<tr>
<td>Context Sensitive Solutions</td>
<td>Developing Guidance on how to Address CSS on Design-Build Projects</td>
</tr>
<tr>
<td></td>
<td>Methods to Establish Project Context for Applying CSS</td>
</tr>
<tr>
<td>Energy</td>
<td>Feasibility and Cost-Benefit of Using Alternative Power Systems (solar and wind) for Providing On-going Electricity for Transportation Infrastructure</td>
</tr>
<tr>
<td>Historic Preservation and Cultural Resources</td>
<td>Integrating Cultural Resource Management (CRM) and Transportation Planning</td>
</tr>
<tr>
<td>Land Use and Smart Growth</td>
<td>Using Value Capture to Promote Affordable Housing Near Transit</td>
</tr>
<tr>
<td></td>
<td>Using Travel Demand Models to Predict Transportation and Land Use Planning Choices' Effects on Population Exposures</td>
</tr>
<tr>
<td>NEPA Process</td>
<td>Tracking Project Changes and Associated Environmental Impacts after Review under NEPA</td>
</tr>
<tr>
<td></td>
<td>Comparing Actual Environmental Impacts of Projects with predicted NEPA Environmental Impacts</td>
</tr>
<tr>
<td></td>
<td>Determining Mitigation Costs Early in Project Development</td>
</tr>
<tr>
<td>Noise</td>
<td>New Noise Barrier Products &amp; Noise Barrier Approval Research &amp; Guidelines</td>
</tr>
<tr>
<td>Waste Management, Recycling, and Brownfields</td>
<td>Increased Use of Environmentally Preferable, Green Seal, and other Non-Toxic Products to Reduce Costs, Liabilities, and Pollution at DOT Offices, Maintenance Facilities and Rest Stops</td>
</tr>
<tr>
<td></td>
<td>Evaluate Benefits of Substituting Hazardous Products used at DOT Facilities with Environmentally Preferable &quot;Green&quot; Products</td>
</tr>
<tr>
<td>Water Quality/Wetlands</td>
<td>Stream Mitigation for losses of Aquatic Resources--A Synthesis of Practice</td>
</tr>
<tr>
<td></td>
<td>Determine Dilution Factors for Snow and Ice Control Materials</td>
</tr>
<tr>
<td></td>
<td>Effectiveness of Compost and Recycled Highway Soil Amendment Products for Reduction of Dissolved Copper Concentrations in Highway Stormwater Runoff</td>
</tr>
<tr>
<td></td>
<td>Determine Dilution Factors for Snow and Ice Control Materials</td>
</tr>
<tr>
<td></td>
<td>Effectiveness of Using Watershed Plans in the Development of Surface Transportation Plans and the Project Permit Approval Process</td>
</tr>
<tr>
<td>Wildlife and Ecosystems</td>
<td>Wildlife Crossing Structures</td>
</tr>
</tbody>
</table>
ATTACHMENT J – FY07 NCHRP 25-25 PROJECTS
**FY07 NCHRP 25-25 Projects**

<table>
<thead>
<tr>
<th>Task no.</th>
<th>Title</th>
<th>Budget</th>
<th>Task Leader</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>36</td>
<td>Recurring Community Impacts</td>
<td>75,000</td>
<td>Bill Hauser</td>
<td>RFP will be issued in January</td>
</tr>
<tr>
<td>37</td>
<td>Effective Organizational Structures and Management Practices for Achieving Environmental Stewardship in Transportation Agencies</td>
<td>50,000</td>
<td>Tim Hill</td>
<td>Panel formed; problem statement under review</td>
</tr>
<tr>
<td>38</td>
<td>Guide to Use of Tier I Environmental Impact Statements for Transportation Projects</td>
<td>75,000</td>
<td>Gail D'Avino</td>
<td>Panel being formed.</td>
</tr>
<tr>
<td>39</td>
<td>Improving Project Environmental Cost Estimates</td>
<td>85,000</td>
<td>Brent Jensen</td>
<td>Panel being formed. RFP on hold until FHWA release report in Feb.</td>
</tr>
<tr>
<td>40</td>
<td>New Noise Barrier Products &amp; Noise Barrier Approval Research &amp; Guidelines</td>
<td>75,000</td>
<td>Tim Hill</td>
<td>Proposals under review</td>
</tr>
<tr>
<td>41</td>
<td>Implementation of Community &amp; Cultural Resource Commitments</td>
<td>75,000</td>
<td>John Mettite</td>
<td>Panel formed; problem statement under review</td>
</tr>
<tr>
<td>42</td>
<td>Determine alternative calculations for fine particulate emission factors other than AP-42 applicable to calculate re-entrained dust on transportation projects.</td>
<td>75,000</td>
<td>Gary McVoy</td>
<td>Panel being formed</td>
</tr>
<tr>
<td>43</td>
<td>Guidance on legal sufficiency criteria for adequate cumulative and secondary impacts analysis in EIS documents</td>
<td>60,000</td>
<td>Gail D'Avino</td>
<td>Panel being formed.</td>
</tr>
<tr>
<td>44</td>
<td>Development and Implementation of a Transportation and Climate Change Clearinghouse</td>
<td>50,000</td>
<td>Gary McVoy</td>
<td>Panel being formed.</td>
</tr>
<tr>
<td>45</td>
<td>Transportation Program Responses to Greenhouse Gas (GHG) Reduction Initiatives and Energy Reduction Programs</td>
<td>$35,000 + $35,000 from 08-36 = $70,000 total</td>
<td>Gary McVoy</td>
<td>Panel being formed.</td>
</tr>
</tbody>
</table>

**SCOE Recommendations Not Selected for FY07 25-25 Funding**

- Methods to Address Greenhouse Gas Emissions from Transportation Construction/Maintenance/Operations Activities
- Development of a Simple Construction Site Noise-Prediction Procedure

**SCOE Recommendations To Be Considered for FY08 NCHRP Funding (Decision by SCOR in March/April 07)**

- Streamlining Evaluation of Historic and Cultural Resources by Using Historic Contexts
- Prepare a Compendium of Sustainable Design Ideas for Use by a Wide Range of Transportation Segments/ Create a Methodology to Integrate Sustainable Design Concepts into Transportation Projects and Infrastructure
- How Polluted Is Stormwater Runoff From Transportation Facilities?
- Hydraulic Modifications To Achieve Watershed Total Maximum Daily Loads
ATTACHMENT K – ADC10 SUPPORT TERI
ADC10 Research Topics Subcommittee

Strategies for ADC10 to Support and Utilize AASHTO’s Transportation and Environment Research Ideas (TERI) Database to Identify Research Priorities and Projects

As a leader in the transportation and environmental research arena, ADC10 strongly supports AASHTO’s creation of TERI as a primary conduit for setting and tracking priority research needs.

TERI offers a valuable tool for helping ADC10 achieve a key part of its mission – promotion of research. The committee hopes TERI will help align ADC10’s publication and presentation priorities with those of the transportation and environmental community. To assure this happens, ADC10 strongly encourages close coordination with AASHTO in the following areas:

- Encourage AASHTO to continue its annual ranking of TERI ideas at SCOE meetings;
- Ensure an internal process within ADC10 (particularly roles and responsibilities for Research Topics subcommittee) is in place for AASHTO to share research idea rankings with ADC10 membership;
- Ensure that TERI rankings and SCOE research recommendations to NCHRP and 25-25 are available to ADC10 to support decision making about publication, presentation, and conference session topics and themes;
- Help further expand TERI’s value to researchers by setting up a process for ADC10 members and friends to submit ideas to TERI on a regular basis (e.g. once a year after annual meeting in January); and
- Promote ADC10 coordination with AASHTO so that funded NCHRP and 25-25 projects are known and tracked by the committee members for future use, as appropriate, when the research is completed.
ATTACHMENT L – RESEARCH FUNDING
Research Funding

Sources of money for environmental and planning research

There are several programs which provide funding for environmental and planning research. Funding sources may address specific modes, topics, or geographic scales. As well, the amount of time available to await the result and the type of research activity are also considerations. This document is intended to help guide you to the sources most appropriate to fit your need.

Modes

- Airport Cooperative Research Program
- Commercial Truck and Bus Safety Synthesis Program
- National Cooperative Highway Research Program
- Transit Cooperative Research Program

Topics

- Freight Cooperative Research Program
- Hazardous Materials Research Program
- Surface Transportation Environmental and Planning Cooperative Research Program
- Strategic Highway Research Program II

Geographic scale

- National
- Regional or Multi-State
- State only

Urgency

- Results needed within a year
- Results needed but can be developed within two to three years

Type

- Synthesis of practice
- Lab or field work required
- Analysis of existing information or data
- Innovations

Modes

Airport Cooperative Research Program

The Airport Cooperative Research Program (ACRP) carries out applied research
on problems that are shared by airport operating agencies and are not being adequately addressed by existing federal research programs. The ACP undertakes research and other technical activities in a variety of airport subject areas including design, construction, maintenance, operations, safety, security, policy, planning, human resources, and administration. ACPR program statements are due April 15, 2007.

ACRP also conducts synthesis studies. ACPR Synthesis topics need to be submitted by October 12, 2007.

**Commercial Truck and Bus Safety Synthesis Program (CTBSSP)**

The CTBSSP initiates a number of synthesis studies annually that address concerns in the area of commercial truck and bus safety. A synthesis is a relatively short document (60-80 pages) that summarizes existing practice in a specific technical area based typically on a literature search and a survey of relevant organizations (e.g., state DOTs, enforcement agencies, commercial truck and bus companies, or other organizations appropriate for the specific topic). The deadline to submit a synthesis topic is May 31, 2007.

**The National Cooperative Highway Research Program (NCHRP)**

NCHRP is an applied, contract research program that develops near-term, practical solutions to acute problem areas that affect highway planning, design, construction, operation, and maintenance nationwide. The state departments of transportation are the sole sponsors of the NCHRP. The deadline to submit a problem statement is September 15, 2007.

NCHRP also conducts synthesis studies. NCHRP Synthesis topics need to be submitted by February 14, 2007.

**The Transit Cooperative Research Program (TCRP)**

The TCRP focuses on research that is consistent with, and supportive of, FTA's Strategic Research Plan and TCRP Strategic Priorities. FTA strategic research goals that align with the FTA Strategic Research Plan: 1) Increase Transit Ridership; 2) Improve Capital and Operating Efficiencies; 3) Improve Safety and Emergency Preparedness; and, 4) Protect the Environment and Promote Energy Independence. The TCRP Strategic Priorities are: Place the Transit Customer First; Enable Transit to Operate in a Technologically Advanced Society; Continuously Improve Public Transportation; Flourish in the Multimodal Environment; and, Revitalize Transit Organizations. The deadline to submit problem statements for FY 2007 is June 15, 2007.

TCRP also conducts synthesis studies. TCRP Synthesis topics need to be submitted by March 31, 2007.
**Topics**

**National Cooperative Freight Research Program (NCFRP)**

A new program established under SAFETEA-LU. The NCFRP will carry out applied research on problems facing the freight industry that are not being adequately addressed by existing research programs. SAFETEA-LU, in authorizing the NCFRP, called for development of a national research agenda addressing freight transportation and for implementation of a multi-year strategic plan to achieve it. Problem statements, describing research needs, may be submitted to NCFRP by anyone at any time. If you have a research need that you would like to submit for consideration, we request that you describe it in accordance with the Problem Statement Outline and submit it electronically by e-mail to NCFRP@NAS.EDU.

**Hazardous Materials Cooperative Research Program (HMCRP)**

The HMCRP is a new program established under SAFETEA-LU to address needs identified in TRB Special Report 283: Cooperative Research for Hazardous Materials Transportation: Defining the Need, Converging on Solutions. The HMCRP is intended to complement other U.S. DOT research programs as a stakeholder-driven, problem-solving program, researching real-world, day-to-day operational issues with near- to mid-term time frames. In the current pilot stage of the HMCRP, the TRB will carry out applied research projects to improve the information used in managing risk associated with the transportation of hazardous materials.

**Surface Transportation Environmental and Planning Cooperative Research Program (STEP)**

This is a new program under SAFETEA-LU. The general objective of the STEP is to improve understanding of the complex relationship between surface transportation, planning and the environment. The 2007 STEP Research Plan was released December 21, 2006 and can be viewed at: http://www.fhwa.dot.gov/hep/step/fy07rp.htm. Information on how funding will be distributed (competition, agreements...) is still being collected.

**Strategic Highway Research Program (SHRP II)**

SHRP II is a targeted, short-term, results-oriented program of strategic highway research designed to advance highway performance and safety for U.S. highway users. SHRP II will focus on applied research in four areas in order to meet the following goals:
• Prevent or reduce the severity of highway crashes by understanding driver behavior (Safety)
• Address the aging infrastructure through rapid design and construction methods that cause minimal disruption and produce long-lived facilities (Renewal)
• Reduce congestion through incident reduction, management, response, and mitigation (Reliability)
• Integrate mobility, economic, environmental, and community needs in the planning and designing of new transportation capacity (Capacity)

The first Requests for Proposals in 2007 will be distributed March 13, 2007.

Geographic Scale

National
If your research idea has national value, is likely to be of interest to a large number of organizations, and you can await an outcome for two to three years the Cooperative Research Programs are an eligible source of funds. These include: ACRP, FCRP, HMCRP, NCHRP, STEP, and TCRP. (link to paragraphs in other sections)

Other programs that can fund research of national interest include: WSDOT SPR Research; Transportation Pooled Fund Program; and, University Transportation Centers.

Regional or Multi-State

• Transportation Pooled Fund Projects - The Transportation Pooled Fund Program is a means for interested states, FHWA, and other organizations to work together on projects of widespread interest. To qualify as a pooled fund study, at least two state DOTs or a state DOT and FHWA must find the subject important enough to commit funds or other resources and initiate the study. Once initiated, other organizations may contribute funds and participate including local and regional transportation agencies, private industry, foundations, and colleges/universities.

Other programs that can fund research of national interest include: WSDOT SPR Research and University Transportation Centers.

State only
The State Planning and Research (SPR) Program provides a foundation for research of importance to WSDOT and the transportation system in Washington. Each state determines how they select and conduct research. Topics can address topics in any mode, function, or geographic scale.
Urgency

Results needed within a year

- **AASHTO’s Quick Response Research** - Several AASHTO Committees have funds through the NCHRP program to address quick turn around research needs. Each committee selects research studies on an annual basis. This funding is generally intended for projects that can be conducted within one year. AASHTO Committees with Quick Response Research funding include the: AASHTO CEQs; Standing Committee on Planning (SCOP); Standing Committee on Environment (SCOE); Standing Committee on Highways (SCOH); and Standing Committee on Public Transportation (SCOPT).

- A separate TCRP quick response program was also established through TCRP for quick response needs in the public transportation field.

  To submit an idea, discuss it with the AASHTO member of that committee or contact the Research Manager responsible for the topic you are interested in.

Results needed but not time specific

Programs that take longer periods to select and conduct research include: ACRP, FCRP, HMCRP, NCHRP, STEP, TCRP, WSDOT SPR Research; Transportation Pooled Fund Program; and, University Transportation Centers.

Type

**Synthesis of practice**

Please note that syntheses merely summarize existing practice. They do not undertake new research, nor do they contain policy recommendations. Synthesis reports are most valuable when they are focused on issues or problems common to many organizations. The primary users of the reports are the practitioners who work on those issues or problems using diverse approaches in their individual settings.

Research programs that accept synthesis proposals include: ACRP Synthesis; CTBSSP; NCHRP Synthesis; TCRP Synthesis; WSDOT Quick Response Research; WSDOT Student Studies; and AASHTO Quick Response Research.

**Lab or field work required**

Research programs that accept projects requiring field work or lab work (data collection and development work) include: ACRP; NCHRP; TCRP; WSDOT SPR Research; TPF; and UTC Programs.
Analysis of existing information or data
Research programs that accept projects requiring field work or lab work (data collection and development work) include: ACRP; NCHRP; TCRP; WSDOT SPR Research; TPF; and UTC Programs.

Innovations Deserving Exploratory Analysis (IDEA)
IDEA, or Innovations Deserving Exploratory Analysis, is a TRB program to fund investigations of promising but unproven innovations in four transportation areas:

- High-Speed Rail
- NCHRP Highway
- Transit
- Safety

University Transportation Centers
The USDOT provides funding to advance U.S. technology and expertise in the many disciplines comprising transportation through the mechanisms of education, research and technology transfer at university-based centers of excellence. These centers each facilitate a program of research in theme areas. It may be possible to partner with a university professor to submit your research problem statement for funding to a University Transportation Center (UTC). If you are successful in partnering with a professor to submit a proposal, you will likely be expected to provide match funding. To determine if your research idea is appropriate for a UTC, please contact the Research Manager responsible for research in your area of interest.
ATTACHMENT M – FUNDING SOURCES P&E RESEARCH
January 2007
Planning Research Sources of Funding for Environmental and
Transportation Programs

Annual Solicitation
• Topics in Transportation
• Topics in Environmental

Corridor Program
• Topics in Infrastructure
• Topics in Environmental

National Cooperative Highway Research Program
(SURFRP)
• Topics in Infrastructure
• Topics in Environmental

Transportation Pool Fund
• Topics in Infrastructure
• Topics in Environmental

strategic Highway Research Program (SHRP)
• Topics in Infrastructure
• Topics in Environmental

ASHTO Research
• Topics in Infrastructure
• Topics in Environmental

Cooperative Research Program
• Topics in Infrastructure
• Topics in Environmental

Small Business Innovation Research (SBIR) Program
• Topics in Infrastructure
• Topics in Environmental

University Transportation Centers
• Topics in Infrastructure
• Topics in Environmental

Airport Cooperative Research Program
• Topics in Infrastructure
• Topics in Environmental

FHWA's Innovative Transportation Program
• Topics in Infrastructure
• Topics in Environmental

FHWA's National Highway Freight Program
• Topics in Infrastructure
• Topics in Environmental

FHWA's Hazardous Materials Transportation Program
• Topics in Infrastructure
• Topics in Environmental
ATTACHMENT N – PUBLICATION SUBCOMMITTEE REPORT
TRB ADC10 BUSINESS MEETING

January 24, 2007

PUBLICATION SUBCOMMITTEE REPORT

The late summer/early fall has been another busy time for the Publications Subcommittee. A total of 30 different reviewers were pressed into service to conduct peer reviews on the 14 papers assigned to ADC10. In the end, a total of 51 reviews were prepared for those 14 papers.

A Call for Papers was issued this year covering a variety of topics related to the interests of the Committee including Green Highways, Sustainability and Environmental Management Systems. It is noteworthy that the Committee reviewed a higher than usual percentage of papers from academics this year. Three of the four papers being presented and one of our three posters are being presented by academics.

In the end, four papers were recommended for presentation at the Annual Meeting in January with three additional papers suggested for a Poster Session.

Presentations

Benchmarking State Department of Transportation
Environmental Commitment Tracking Systems (07-2439)
Marie Venner, ICF International
Brian Allen, Federal Highway Administration
Mike Barylski, ICF International
Mark Younan, ICF International
Michael Dewitt, ICF International

Mix Design and Benefit Evaluation of High Solar
Reflectance Concrete for Pavements (07-0497)
Kanok Boriboonsomsin, University of California, Riverside
Farhad Reza, Ohio Northern University

Areawide Cumulative Effects Analysis Using GIS (07-2611)
John W. Wyckoff, University of Colorado, Denver
Lynn E. Johnson, University of Colorado, Denver
Brian Muller, University of Colorado, Denver
Fred Nuszendorfer, University of Colorado, Denver
Brad Beckham, Colorado Department of Transportation

Environmental Knowledge and Attitudes and Environmental
Impact of Vehicle Ownership and Use (07-2978)
Bradley Flamm, University of California, Berkeley
Poster Session

Current DOT EMS Development Efforts: Examples from Construction, Maintenance, Project Development and Planning (P07-0659)
Marie Venner, ICF International
Michael DeWit, ICF International
Will Gibson, ICF International
Rodney Concie, Texas DOT
Sonal Sanghavi, Maryland State Highway Administration
Julie Hunkins, North Carolina DOT

Community of Practice Considerations, to Advance the Practice of Environmental Management Systems at DOTs (P07-0664)
Marie Venner, ICF International
Michael DeWit, ICF International
Rodney Concie, Texas DOT
Sonal Sanghavi, Maryland State Highway Administration
Julie Hunkins, North Carolina DOT

Development of Silt Fence Tieback Design Methodology for Highway Construction Installations (P07-1239)
Wesley C. Zech, Auburn University
Jarid L. Halverson, Auburn University
T. Prabhakar Clement, Auburn University

In addition, we are seeking recommended topics for both the ADC10 Summer Workshop and for next year’s Annual Meeting. As in year's past, we will distribute the solicitation for Papers/Posters/Presentations through a formal “Call for Papers” and to the extensive list of ADC10 members, friends and contacts.

ADC10’s Paper Session (#585) will be held on Tuesday, January 23rd at 3:45 PM. Please come – the papers are great! The poster session (#458) will be held on Tuesday, January 23rd, beginning at 9:30 AM. Both events are at the Hilton.

Many thanks to all our dedicated reviewers.

Respectfully submitted by: Jim Bach
ATTACHMENT O – ICOET
International Conference on
Ecology and Transportation 2007
Bridging the Gaps, Naturally

May 20-23, 2007
The Peabody Hotel
Little Rock, Arkansas

Co-hosted by:
Arkansas State Highway and
Transportation Department

ICOET is a multi-disciplinary, inter-agency event conducted biennially to identify and share quality research applications and best management practices that address wildlife, habitat and ecosystem issues related to the delivery of surface transportation systems.

The theme for the 2007 program is "Bridging the Gaps, Naturally."
The Call for Abstracts will be issued in July 2006.
Please check the ICOET Web site for details.


The Center for Transportation and the Environment at North Carolina State University is an official ICOET sponsor and the lead conference organizer.
OTHER ATTACHMENTS
TRANSPORTATION RESEARCH BOARD
ADC10 Committee
Environmental Analysis in Transportation
2007 TRB Annual Meeting

This committee is concerned with the protection and enhancement of the natural and human environment as an integral part of planning, design and construction of transportation systems and projects. Emphasis is placed on research needs identification, research implementation, technology transfer, and information sharing in the following areas:

- environmental data collection and analysis
- impacts assessment and documentation
- mitigation and enhancement
- systems planning, project development, and management
- environmental stewardship and streamlining

ADC10 PUBLICATIONS & PRESENTATIONS

- Directory of State Transportation Agency and Federal Highway Administration Environmental Officers
- Post NEPA Monitoring of Environmental Impacts and Mitigation Commitments
- TRB Workshop Summary: Environmental Stewardship in Transportation Program Execution
- TRB Workshop Summary: Next Steps for Transportation Environmental Stewardship: Through Context-Sensitive Planning, Design, Construction, and Maintenance
- Using All Available Regulatory Flexibility: An Interest-Based Approach to Streamlining and Conservation, Making Decisions with Best Available Data
- US 1-7 Improvements Project Community Impact Assessment Linking Students to Overcome Economic And Literacy Barriers to Public Participation
- Streamlining the NEPA Process through Cooperative Local-State-Federal Transportation and Land Use Planning
- New Tampa Boulevard Community Participation Project Engaging Students in Bridge Aesthetic Solutions
- Vehicle Aggregation Impacts on Fuel Consumption and Emission Estimates
- Estimating Environmental Impacts of Ground Transportation in Hawaii Using Economic Data
- Teenager Transportation Planners: A New Form of Public Involvement An Eight-Step Process for Assessing Indirect and Cumulative Impacts of Transportation Projects

COMMITTEE GOALS:

- **Goal 1:** Provide a national forum for continuing identification and prioritization of transportation related environmental research and for the dissemination of research findings.
- **Goal 2:** Continue to prepare for and conduct relevant and valuable gatherings of the committee members and friends.
- **Goal 3:** Maintain an active organization that supports the mission of TRB, Section C (Environment and Energy) and ADC10
- **Goal 4:** Expand and formalize the Committee Liaison Program.
- **Goal 5:** Maintain a geographically and organizationally diverse committee membership of well-qualified, highly motivated individuals.

ADC10 OFFICERS:
- Mark S. Koss - Chairman
- Susan Killen - Committee Secretary
- Christine Genocher - TRB Representative

ADC10 SUBCOMMITTEE CHAIRS:
- James G. Bach - Publications
- James J. Leach - Education
- Craig Carpenter - Newsletter
- Ronald D. Devolda - Mid-Highway Workshop
- Andrew Reeks - Environmental Stewardship
- Kenneth M. Gambrell - Steering
- Joseph S. Sadowski - Research Topics
- Patricia Trombley - History
- Christopher G. Scagl - Web Site
Introducing the Green Highways Partnership Website.....
www.greenhighways.org

When you visit the new and improved Green Highways Partnership Website you can ....

Take a trip along a “virtual” green highway...

See what makes a highway green & give us your ideas...

Listen to podcast testimonials from key Partners....

Find out what pilots the Theme Teams are working on...

Review the case studies presented at the GHP Forum..

Get information on Green Highways technologies and find links to funding sources and websites!

Find out how to join the Partnership and bring your Expertise to the forefront!

Contact Brendan McGuinnis 703-379-2713
Or Visit our Site......
TRB ADC10
Steering Subcommittee Report
Business Meeting Discussion Topics
January 24, 2007

A. Steering Subcommittee Report

B. Review and Adoption of ADC10 Committee Mission, Goals and Implementation Strategies

C. Review and Adoption of Steering Subcommittee Goals and Implementation Strategies

D. Schedule for Future Updates of Subcommittee Goals
Steering Subcommittee Report: January 24, 2007

Activities and Accomplishments: July 2006 – January 2007

- Completed revisions to the Liaison Subcommittee and the Publications Subcommittee goals and objectives (both adopted July 9, 2006).
- Contacted eight ADC10 Members and Friends who indicated interest in the work of the Steering Subcommittee in their responses to Mark Kross’s ADC10 Information, Interests and Proficiencies Survey. Martin Palmer and Marie Venner have been added to the Subcommittee, increasing our membership to three!
- Circulated revised Steering Subcommittee Goals and Implementation Strategies for review and comment on November 22, 2006. No comments were received. Ready for adoption on January 24, 2007.


- Complete final revisions, as necessary, to the ADC10 Mission, Goals and Implementation Strategies and the Steering Subcommittee Goals and Implementation Strategies following their (anticipated) adoption on January 24, 2007.
- Assist the Committee Chair in the preparation of the 2004 – 2006 Triennial Strategic Plan (TSP).
- Work with Craig Casper and Mark Kross to update the Newsletter Subcommittee Goals, Objectives and Procedures (planned adoption in July 2007).
- Work with Pat Trombly and Mark Kross to create goals and objectives for the new History Subcommittee.
- Assist Ron DeNadale and Mark Kross to create an electronic version of the Mid-year Workshop planning notebooks.

Submitted by:
Kim Gambrill
Steering Subcommittee Chairperson
Mission Statement: This Committee is concerned with the protection and enhancement of the natural and human environment as an integral part of the planning, design, construction and operation of transportation systems and projects. Emphasis is placed on research needs identification; prioritization, completion and implementation of research projects; technology transfer (e.g., planning/geospatial technologies); process innovation and management systems; and information sharing in the following areas: environmental data collection and analysis; impacts assessment and documentation; regulatory compliance, mitigation and enhancement; systems planning, project development, operations and management; environmental stewardship and efficiency; performance measurement; information management and decision support systems; and integration of these areas.

Committee Goals:

Goal #1: Provide a national forum for the continuing identification and prioritization of transportation-related environmental research needs and for the discussion, documentation, dissemination and implementation of research findings.

Strategies:

a) Assist the National Research Council in developing a prioritized listing of environmental research problem statements that addresses the emphasis areas identified for this Committee;

b) Encourage the active participation of Committee members and friends on National Cooperative Highway Research Program (NCHRP) or other comparable research panels focused on research problem statements of interest to the Committee;

c) Recommend publication of significant environmental-related research papers in the Transportation Research Records;

d) Conduct at least one paper session at each annual meeting;

e) Task each Committee member with identifying emerging environmental issues, future areas of concern and opportunities for new research, and with sharing this information through the Committee’s communication network;

f) Monitor federal environmental laws, regulations and procedures and evaluate national trends to identify and promote research on significant transportation environmental issues;
The Committee Chair shall appoint a Committee Secretary to assist in the conduct of all business meetings. The Committee Secretary shall record minutes for each business meeting and submit written minutes to the Committee Chair within 30 days of completion of the business meeting;

The Committee Secretary shall be responsible for preparing and transmitting final business meeting minutes to ADC10 Committee members and friends and the TRB staff officer within 60 days of the completion of each business meeting;

Copies of all minutes of the proceedings of the annual and mid-year business meetings shall be retained by the Steering Subcommittee Chair for use in preparation of the ADC10 Committee Triennial Strategic Plan (TSP).

Business meetings and sessions at the TRB annual meeting and at the mid-year workshop are open to Committee members, friends of the Committee, other transportation environmental professionals and any interested persons.

Goal #3: Maintain an active organization that supports the mission of TRB Section C and ADC10. The Committee shall use one or more subcommittees to carry out its overall functions and responsibilities. Subcommittees will be created to address ongoing or emerging issues of importance to the Committee as a whole.

Strategies:

The Committee Chair shall be responsible for creating or dissolving subcommittees with input from the members present at the annual or mid-year business meeting;

The Committee Chair shall appoint a chairperson to oversee the activities of each subcommittee. The Chair will designate Subcommittee Chairs for each subcommittee from full members or Emeritus Members of the Committee. Subcommittee Chairs will identify Subcommittee members from members and friends of ADC10;

Each subcommittee shall be tasked with creating its own set of goals and objectives that support the overall goals of the Committee. The Steering Subcommittee shall be responsible for circulating new or revised goals and objectives for review and comment by the members of the Committee and for coordinating their final approval by the Committee.

The Committee Chair shall ensure that the Committee members conduct Committee and key subcommittee business meetings at each annual and mid-year meeting;
Goal #1: Ensure the goals and implementation strategies of the Committee and each of its individual subcommittees are current and support the Mission of TRB Section C and Committee ADC10.

Strategies:

a) Every fourth year, the Steering Subcommittee shall, in cooperation with the ADC10 Chair, review and revise the goals and implementation strategies of the Committee. Proposed revisions will be circulated to the full Committee for comment prior to preparation of a final version for formal adoption.

b) The Steering Subcommittee shall initiate the review and revision of each individual subcommittee's goals and implementation strategies on a staggered basis, also on a four-year cycle. Individual subcommittee Chairs shall submit their proposed revisions simultaneously to the ADC10 Chair and the Steering Subcommittee Chair, for review and comments. Review comments shall be focused on ensuring that the proposed subcommittee goals continue to reflect the overall goals of the Committee.

c) The Steering Subcommittee shall coordinate the cyclical revision of Committee and subcommittee goals and implementation strategies on a schedule that facilitates formal adoption by the Committee at its annual or mid-year business meetings. Goals and implementation strategies may also be adopted by electronic balloting provided at least two-thirds of the full Committee membership approve the proposed revision.

Goal #2: Provide direct assistance to the Committee Chair in maintaining a membership that is diverse in geographic distribution, professional affiliation and expertise, gender, and age.

Strategies:

a) Every third year, as required by TRB, contact each current Committee member to identify their desire to continue serving the Committee as a member. This member survey will provide the starting point for the required rotation of Committee members.

b) In conjunction with the member survey, prepare an article for the Committee newsletter soliciting interest in Committee membership from all friends of the Committee. Individual letters to Friends of the Committee may also be sent.
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January 24, 2007
Status Report
Subcommittee Goals and Objectives
ADC10
ATO40: Committee on Hazardous Materials Transportation

ATO40 held its 2006 mid-year meeting at the TRB Summer Conference in LaJolla, California on July 11, 2006. The Committee is focusing on safety technology related to transport vehicles (trucks and trailers) and containers as well as driver safety issues. Ongoing research in these areas includes field tests of rollover warning devices and truck-tracking technologies with respect to improved incident response. Driver safety issues involve incident prevention and incident management; discussions included information on new regulations requiring driver sleep requirements (8 hours). Cross-over discussions on vehicle safety and driver safety looked at using tracking technologies for such things as real-time driver alerts on events such as tornados and severe weather which would allow consideration of alternate routes or holding/rescheduling shipments. The Committee is also looking at safety and security issues related to rail, including tank car design and track infrastructure.

The Committee reports that funds have been appropriated for a TRB Hazardous Materials Cooperative Research Program; ATO40 suggested that TRB set up a stakeholder committee to determine research needs – the stakeholders to include representatives from emergency response, shippers, carriers, etc.

There is a significant amount of coordination by members of this committee with other public and private organizations who also generate data and research on these subjects (e.g. Transport Canada, Dept. of Energy, etc.).

ATO40 anticipates attending the 2007 TRB Summer Conference in Chicago.

ADC70 – Transportation Energy
ADC80 – Alternative Transportation Fuels

There is a great deal of overlap between these two committees. With ADC70 focusing on factors which affect energy consumption of vehicular and rail systems (mainly fuel) and the impact of fuel choice on broader issues such as climate change, greenhouse gasses, etc., their primary scope and research has been covering the same or related topics as ADC80. Both committees are looking at assessment of petroleum impacts (climate change, greenhouse gasses, etc.), the range of alternative fuels, and hybrid vehicles. The two committees hold a joint summer meeting every two years, known as the Asilomar Conference (The next Asilomar Conference will be summer 2007).

A major topic of discussion at their business meetings at the 2007 Annual Meeting is a proposed merger of the two committees.