

MEETING SUMMARY
TRB COMMITTEE ADC20 - TRANSPORTATION AND AIR QUALITY
Wednesday, January 12, 2005, 2:30 PM-6:00 PM
Washington Hilton Hotel – Monroe East
Sarah Siwek, Chair

1. Introductions And Approval Of Minutes

Chair Sarah Siwek started the meeting a few minutes after 2pm. All in attendance at that time provided self introductions. The minutes of last January's meeting, distributed by e-mail with the meeting agenda, were approved as circulated.

2. Report on Air Toxics Workshop and TRB Sessions

Paul Lederer reported that the committee's Sunday air toxics workshop drew a lot of interest and was well attended, with as many as 75 people in attendance at one time. Presentations were all good and there was a lot of discussion. Positive comments were received. Paul suggested that a workshop on the same topic might be put on again in a few years. Jon Makler and Brian Bochner, the presiders for the two presentation sessions sponsored by our committee, reported good presentations and discussion. PowerPoint presentations for the workshop and presentation sessions will all be on the committee website shortly (www.trbairquality.com). The environmental megasession was also well attended and the perception of committee members was that the room was better than last year.

3. Presentations

The following presentations and update reports were made:

- Michael Grant – Regional Emissions Analysis in Small Urban and Rural Areas (new report): This documents a review of sample region emissions inventory estimation methodologies for small and rural areas not covered by travel forecast models. This was done for FHWA. The findings will help agency staffs unfamiliar with developing inventories to gain a basic understanding of different approaches. The report is in draft. A handout was provided (attached).
- Cecilia Ho and other FHWA staff – FHWA Update: Provided an update on progress on regs. Final conformity implementation rule Part 1 was issued July 1, 2004. Rule Part 2 covering precursor analysis is now expected in the spring. PM hot spot analysis procedures released in December for review; comment period extended to January 27, 2005. Committee members were encouraged to review and comment. PM2.5 designations were issued in December, effective April 5, 2005, with conformity determinations due April 5, 2006. "Conformity Highlights" is a monthly FHWA website newsletter with current news; usually out by the 15th of the month. Air quality related training is available through FHWA, NHI, NTI. Included are:
 - MOBILE6, basic and advanced
 - Air quality planning (NHI)

- Conformity workshop
- Project level analysis
- Hot spot analysis
- PM modeling workshop
- TCM analysis
- CMAQ (NHI)
- Estimating regional emissions (NTI)
- Introduction to transportation conformity (NTI)

Contact FHWA about courses in the left column and NHI or NTI about the others.

Rob Kalafenos said that some areas receiving CMAQ funds will shortly no longer be in nonattainment. If they have CMAQ project(s) in their TIP this year, they will be able to receive CMAQ funds for three years after redesignation.

Mike Roberts reported that the Southern Region Transportation Air Quality Summit will be held in fall 2005 in Charleston, SC.

Kim Fisher and Kay Quinn (new TRB section chair) – TRB update: Kim described two new environmental awards and passed out a description; these are for papers that make a significant contribution to moving the transportation profession forward (see attached). Kim passed out a TRB organization description (attached) and a summary of the Cooperative Research programs and how to submit research suggestions (attached). She also said that about 2,600 papers were received this year (record), about 40 to this committee (also a record high). A few sessions at this meeting have been recorded in video/audio as an experiment and will soon be available on the TRB website. Next year's annual meeting will be January 22-26, 2006 due to hotel problem with hotel commitments. TRB has also initiated a new mentor program; registration discounts are available for mentors and mentees. NCHRP synthesis topic suggestions are due January 31, 2005. Kay Quinn announced that there will be a 3-day conference on research needs in fall of 2007; TRB is seeking steering committee members. It was discussed that ADC20 was previously successful in suggesting and getting its research ideas funded, but has not been as active recently.

New ADC20 chair – Kim announced that Sarah will retire as chair, not taking a second term due to other heavy commitments. Sarah was thanked for her good work for the committee and given a certificate of appreciation. Sarah said she will remain active with the committee. Bob O'Loughlin was announced as the new chair and will take over during the next month.

- John Koupal, EPA: the draft version of MOVES is now available for review at www.epa.gov/otaq/models/ngm.htm. This version does not cover all emissions and is for review only at this time; continue to use MOBILE6. It reflects recent research on fleet mix and activity. Attendees were encouraged to check data input requirements and capabilities and provide feedback to EPA. Comments on this version of MOVES are due to EPA by July 15, 2005.
- Kathy Daniels (presented near end of meeting) – presented background and recent developments of FHWA's public education program titled "It All Adds Up to Clean Air,"

a program to encourage environmentally friendly choices and investments. She reported that they have little information on program effectiveness other than for ozone action days, but attitude change can be measured. The campaign website has been improved and the hits have increased significantly. Many materials adaptable to local campaigns can be downloaded. (www.italladdsupto cleanerair.org)

4. Summer Meeting 2005 Plans

Sarah Siwek and Jon Makler led a discussion on options for a summer meeting. Participation during the past few years has been less than 10 members with some of that being by teleconference. The joint meeting with other TRB committees has not proven successful for our committee and last year we were given no sessions. In an effort to increase involvement, it was suggested that we might want to meet jointly with the Air and Waste Management Association (AWMA) at their summer meeting (4-day meeting usually third week of June). Several of our members attend that AWMA meeting and several people indicated they would be interested in attending a joint meeting. Different possible arrangements were discussed, mostly with our meeting preceding the Tuesday-Friday AWMA meeting. Our meeting's format might be: AM committee meeting; PM "conference program," evening pizza/brainstorming work session to include discussion for the 2007 research needs conference and on a 2006 summer meeting. Jon Makler and Shauna Hallmark volunteered to put this meeting together for 2005. Randy Guensler, Roger Wayson, Jon, and Shauna will start initial planning for a 2006 summer meeting.

5. Paper Review Process – 2004

Mohan Venigalla reported that the process went better this year and that we were the first committee to turn in its complete reviews and programs. 40 papers were submitted; 22 were accepted (4 for presentation, 18 for poster session). However, some members failed to submit their reviews; some were not thorough enough. All reviews need to be complete, objective, and thorough. Sarah reminded committee members that they must complete their assigned reviews to remain on the committee. Each member will be expected to review at least two papers each year. At least three reviews are needed for each paper and Mohan and Shauna had to do many themselves at the end to make up for failure by some to submit complete reviews.

6. Paper Review Process and Volunteers – 2005

It was suggested that the lead roles in the paper review process rotate through a 2-year cycle: first year as assistant, second year as leader. Rob Ireson volunteered to chair the reviews for 2006; Mohan will assist him.

7. Subcommittee Reports

- TCM Subcommittee –Several people reported in the absence of chair Mike Savonis that discussions covered several issues including use of HOV lanes by hybrid power vehicles, reauthorizations and CMAQ/TCM evaluations, employer commute program surveys, and the TCM substitution rule. Sarah announced that Mike Savonis will rotate off the committee and be replaced as subcommittee chair by Mohan Venigalla.

- Project Level Analyses Subcommittee - Shauna Hallmark – The committee has started a website to be put up shortly. They plan to do another workshop at next year's TRB annual meeting on toxics and PM analysis. They will follow up on a previous synthesis proposal on modeling for small and medium sized areas and develop a project statement for project level analysis for toxics. They have 8 other research ideas to develop problem statements for.

8. Officer's Reports

- Treasurer - Roger Wayson: The committee's balance started the year at \$1,586.16. After payments to Sarah Siwek for 2004 mail, telephone, and copy expenses (\$610.90) plus labor costs (\$214.50) plus a check service charge (\$2.00), the balance is \$758.76. This is the lowest the balance has been in years. The committee's share from a previous summer meeting has not yet been received from Paul Leiby. The expected amount due is \$1,914.36. Chris Saricks is to follow up with Paul Leiby. The treasurer's report is attached.
- Secretary - Mike Clifford: Minutes for the January meeting were distributed by e-mail with the agenda for this meeting. After several years as secretary Mike Clifford is rotating off the committee and is being replaced by Brian Bochner. Mike was thanked for his good work as secretary.

9. Committee Rotation

The committee may have 25 regular members, plus 2 additional young members (under 30), and 4 additional international members. TRB has mandated that no one serve as committee members beyond nine consecutive years. This committee has nine members with continuous service of nine years or more. Those members will be rotated off the committee in the next month, although they are encouraged to remain Friends Of The Committee. After one term off the committee, they will be eligible for reappointment; it was mentioned that John Suhrbier is a member for the second time. Sarah said all continuing members must be reappointed this year. ***Members who wish to continue their membership should contact Sarah to let her know by January 21.***

Those wishing to be appointed as new members should also let her know by January 21. They should send her a resume listing relevant experience along with a letter describing prior service to the committee and how they propose to contribute to the committee's success. Becky Dennison was recognized for her good work as a "young member," especially with the committee website, and will be reappointed as a regular member. Jon Makler, the other young member, was also recognized for his contribution. He still qualifies as a young member and will be retained as such or reclassified as a regular member depending on response to open committee membership positions. ***Sarah requested recommendations/volunteers for additional young and international members to be submitted to her by January 21.*** Robin North expressed interest in being a young member.

10. New Officers

As mentioned above, Bob O'Loughlin will replace Sarah as committee chair and Brian Bochner will replace Mike Clifford as Secretary. Sarah and Bob will address the Treasurer position in the next several weeks.

11. Liaison Reports

Several reports were given by committee liaisons.

- Brian Bochner – Transportation Demand Management
- Randy Guensler – Data Committee/Pricing Subcommittee
- Shauna Hallmark – AMWA
- Rob Ireson – Urban Transportation Data and Information Systems
- Roger Wayson – ASCE

Additional liaisons are:

- Mike Lawrence – Energy and Alternative Fuels
- Arnie Sherwood – Telecommunications

Additional TRB committee liaison commitments were made and are:

- Veronica Davis – Transportation and Land Development
- John Koupal – Marine and Ports Environmental Task Force
- Robin North - International Transportation Issues
- Mohan Venigalla – Planning for Small and Medium Size Communities
- Roger Wayson – Environmental Impacts of Aviation

13. Other Committee Business and Announcements

- 2006 annual meeting sessions and workshops (see item 6 above for additional information) - Next year we again expect to receive a fractional session. Liaisons need to seek out other committees to jointly sponsor a session with. The TDM committee has requested such an arrangement on TDM-related emission reductions for toxics and several others did likewise last year. Workshops can be jointly sponsored and there is apparently no limit on them; they can be Saturday or Sunday, for a half or full day.
- EPA's HIROAD model developed in a NCHRP project is now available on the EPA website. Contact John Koupal for additional information.
- A NCHRP report on short and long term emissions impacts of transportation improvements is expected to be out later this month.
- The MATES II evaluation discussed in the committee's Sunday workshop will be available in a few months. It contains data on toxicity/exposure and was suggested to be a valuable resource.
- Air quality meetings and other announcements - Several announcements were made and information passed out. Copies are attached.

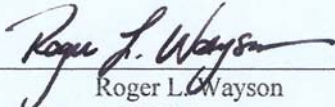
14. Adjournment

The meeting adjourned at approximately 5:55pm.

Respectfully submitted,
Brian Bochner
Committee Secretary
Attachments:

ADC20 BALANCE STATEMENT
Year = 2004

Beginning Balance		\$1,586.16
Payments		
Siwek: Labor	\$214.50	
Siwek: Mail/Tel/Copies	\$610.90	
Service Charges for Checks	\$2.00	
Total Payments		\$827.40
Credits		
None	\$0.00	
Total Credits		\$0.00
Ending Balance		\$758.76


 Roger L. Wayson
 ADC20 Treasurer

NOTE: Funds from Mr. Mr. Paul Leiby for the ADC20 share of the summer meeting proceeds have not been received as of January 7 2005.



Sample Methodologies for Regional Emissions Analysis in Small Urban and Rural Areas

Transportation and Air Quality Committee Meeting
Transportation Research Board Conference
January 12, 2005

Michael Grant
ICF Consulting

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Background

- Regional emissions analysis is the key analytic component of transportation conformity
- Many small urban and rural areas face challenges in conducting the analysis
 - Often no travel demand forecasting (TDF) model
 - Limited data on VMT and speeds
 - Uncertainty about appropriate methods to account for future VMT growth and transportation programs

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Study Purpose

- Provide information on:
 - Sample methodologies and adjustment techniques
 - Advantages and limitations of approaches
 - Appropriateness of approaches for different circumstances
- Organize document as a “menu” of sample methods and approaches

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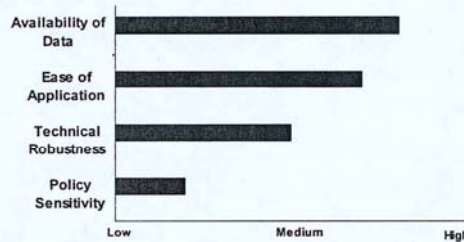
Menu of Sample Methodologies

- Three parts:
 - VMT estimation and forecasting
 - Speed estimation and forecasting
 - Other factors (VMT mix by vehicle type, vehicle age distribution, etc.)
- Report addresses sample methods for areas:
 - Without TDF models, and
 - With TDF models (adjustment techniques)
- Based on information from about 25 areas
 - Collected from State DOTs and MPOs responsible for analyses in isolated rural areas, donut areas, and/or small urban areas

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Description of Methods

- Each description includes:
 - Method applicability
 - Data sources and procedures
 - Advantages/limitations
 - Ratings along four criteria



General Findings: Areas without TDF Models

- A range of methods are available, from simple to relatively complex:

	<u>Simple</u>		<u>Relatively Complex</u>
<i>VMT</i>	Historical trend line based on limited data	→	Regression analyses taking into account multiple factors
<i>Speed</i>	Use observed speeds or speed limits	→	Use speed formulas relying on traffic and roadway data by link



General Findings: Areas without TDF Models

- Tradeoffs
 - Simple methods - advantages in terms of data availability and ease of application
 - More complex methods - advantages in terms of technical robustness and policy sensitivity
- Complexity is not always necessary

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Examples of VMT Forecasting: Without a TDF Model

- Linear projections
 - Using estimated growth factor
 - Using historical trend line
 - Projection of total VMT, apportioned to functional class
 - Projections by functional class, with adjustments
- Population-based forecast for non-interstate roads
 - Linear trend for interstate
 - Corridor analysis for interstate
- More complex forecasting
 - Account for population and employment
 - Growth factor employs non-linear function

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Examples of Techniques for Other Factors (instead of MOBILE defaults)

- Use state or local vehicle registration / traffic data for:
 - VMT mix by vehicle type
 - Vehicle age distribution
- Conduct local analysis of percent of freeway traffic on ramps
 - Default: 8% of freeway VMT is on ramps
 - May not be appropriate for rural areas
- Use accident data to identify % of traffic subject to I&M
 - Default: area either has or does not have I&M program
 - In rural areas, through traffic coming from other areas may be subject to I&M even if vehicles registered in rural area are not.

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Conclusions

- Staff have often struggled with how to conduct the analysis
- Need to consider appropriateness of the methodology:
 - Will future VMT trends reflect historical trends?
 - Are local patterns similar to statewide patterns?
 - Are MOBILE defaults accurate for the rural area?
- There is no one "right" method for all areas
 - Method should reflect data availability and local conditions
 - Regions should determine the most appropriate methods through the interagency consultation process

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For more information

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Planning and Environment Group Paper Awards

The Planning and Environment Group reviews the papers submitted for the Annual Meeting and considers these papers for two awards each year – the Fred Burggraf Award and the Pyke Johnson Award. These prestigious awards are presented during the Annual Meeting Chairman's Luncheon at the TRB Conference. The Group leadership is looking for papers that move the transportation planning profession forward in a very significant manner, through technical breakthroughs, innovative applications or important policy findings.

The paragraphs below describe the two awards.

- The **Fred Burggraf Award** was established in 1966 to stimulate and encourage young researchers to contribute to the advancement of knowledge in the field of transportation. Papers may be nominated for this award by any TRB Group. The award provides recognition of excellence in transportation research by researchers 35 years of age or younger whose papers have been selected for publication by TRB and it includes a cash prize.
- The **Pyke Johnson Award** was established in 1971 to honor an outstanding paper published in the field of transportation systems planning and administration. Technical papers that report on important breakthroughs or groundbreaking applications are eligible for the award. In addition, non-technical papers that propose new policy or planning approaches or that provide a historic assessment of the transportation profession are also eligible for the award.

Summary of the TRB Cooperative Research Program

The National Cooperative Highway Research Program (NCHRP), Transit Cooperative Research Program (TCRP), and Airport Cooperative Research Program (ACRP) are applied, contract research programs that develop near-term, practical solutions to problems facing transportation agencies. Additional Information on the Cooperative Research Programs may be found at: <http://www4.nationalacademies.org/trb/crp.nsf>

National Cooperative Highway Research Program (NCHRP)

For FY 2005 the program anticipates receiving at least \$35.4 million and will fund 25 continuing projects and approximately 40 new projects. Project costs range from \$200,000 to \$500,000.

There are several special set aside projects and these projects are described on the next page.

Project Submission

Problem statements for the NCHRP projects must come from or through a State DOT, AASHTO, or FHWA.

Selection Process

NCHRP projects are selected by the AASHTO Standing Committee on Research and the AASHTO Research Advisory Committee. Both of these committees are composed of State Departments of Transportation leadership.

Projects are selected with the following criteria:

- Does the proposed topic represents an immediate research need and is of interest to many states?

- Can the topic be handled effectively under in a cooperative program?
- Are similar efforts already underway or are satisfactory answers already available?
- Is there a high probability of resulting with a well-defined, implementable product?

Schedule

- September '04 – Topic statement submission deadline
- March '05 - Project selection
- April '05 - Panel nomination request
- June '05 - Panel selected
- July/August '05 - First panel meeting

Transit Cooperative Research Program (TCRP)

In 2004 the program received approximately \$8,250,000 and each year between 8 and 12 new projects are initiated. Project costs range from \$200,000 to \$500,000.

Project Submission

Project statements for TCRP projects may be submitted by anyone or any organization.

Selection Process

Projects are selected by the TCRP Oversight and Project Selection Committee which is composed of transit industry executives.

Projects are selected with the following criteria:

- Does the topic support the FTA Strategic Initiative, and the TCRP Strategic Plan?
- Is the topic important to transit agencies?
- Is the topic researchable?
- Is the topic timely?
- Would a successful project produce significant benefits?
- Is probability of success sufficiently high?
- Can the proposed project be designed to avoid undesirable duplication of other completed or ongoing research?
- Is the topic appropriate for TCRP or should it be performed elsewhere?

Schedule

- June '05 – Topic submission deadline
- October '05 - Projects selected
- November '05 - Panel nomination request
- January '06 - Panels selected.
- April '06 - First panel meeting

Project 8-36, FY 1999 and continuing - Research for the AASHTO Standing Committee on Planning

This is a quick-response research and development program for the states to address near-term improvements in statewide and metropolitan transportation planning and project development processes. Ron McCready is the TRB staff for this project (rmccready@nas.edu)

In 2005 this project will likely receive \$600,000 and initiated approximately 10 projects each year. Project costs range from \$25,000 to \$150,000 and timeframe of usually up to 12 months.

Proposed topic should be statewide or MPO transportation planning, economic planning, financing issues, environmental analysis tools, or intermodal issues. Ron suggests that proposed problem statements discuss the need and application potential for State and MPO practitioners.

Schedule

- May '05 – call for topics issued.
- July '05 - Proposed topics due.
- August '05 – Projects are selected.
- November '05 - RFPs Sent to Task Order Contractors and projects are assigned by December.
- February '06 - Project begun.

Project 25-25, FY 2003 and continuing - Research for the AASHTO Standing Committee on the Environment

This is a quick-response research program established to develop improvements to the analytical methods, decision-support tools, procedures, and techniques employed by practitioners in environmental streamlining, environmental stewardship, statewide and metropolitan environmental transportation planning, program delivery, and project development. Chris Hedges is the TRB staff person for this project (chedges@nas.edu)

In 2005 this project will likely receive \$600,000 and the project initiates approximately 30 projects each year. Project costs range from \$25,000 to \$150,000.

Schedule

- Feb '05 - Call for topic statements
- July '05 - Project statements due
- September '05 – Panel meets to select FY06 projects

Project 20-7, FY 1969 and Continuing Research for AASHTO Standing Committee on Highways

The American Association of State Highway and Transportation Officials (AASHTO) Standing Committee on Highways must rule on engineering and operations policies. This is a quick-response

research program helps the committee obtain guidance on a reasonably prompt schedule. Bob Reilly and Crawford Jenks are the TRB staff for this project (cjencks@nas.edu)

In 2005 this project received \$1 million and the project initiates approximately 10-15 projects each year. Project costs range from \$20,000 to \$100,000.

Project 20-65, FY 2004, Research for the AASHTO Standing Committee on Public Transportation

This is a quick-response research program established to develop improvements to the analytical methods, decision-support tools, and procedures employed by state –DOT practitioners as state involvement in public transportation continues to grow.

Chris Jenks is the TRB staff person for this project (cjenks@nas.edu). In 2003 and 2004 this project received \$300,000 each year. The project has initiated 8 projects to date. Project costs range from \$20,000 to \$100,000.

Schedule

- March '05 – NCHRP funds allocated
- April/May '05 – Topics solicited
- August '05 – Topic due
- Fall '05 – Projects selected

Synthesis Program

Under the sponsorship of the National Cooperative Highway Research Program (NCHRP) and the Transit Cooperative Research Program (TCRP), TRB prepares syntheses of current practice in the highway and transit fields. This synthesis series reports on current knowledge and practice, in a compact format, without the detailed directions usually found in handbooks or design manuals. Additional Information on the Cooperative Research Programs may be found at: <http://www4.nationalacademies.org/trb/synthesis.nsf/>.

NCHRP Synthesis

In 2004 the program received \$1,200,000 and approximately 12 projects are initiated each year.

Project Submission

Applications for Synthesis projects can come from any source

Selection Process

The following factors are considered in the selection process for synthesis topics:

- The topic should address a problem that is widespread enough to generate broad interest in the synthesis.
- The topic should be timely and critical.
- The topic is appropriate if current practice is non-uniform or inconsistent from agency to agency, or if the validity of some practices appears to be questionable.
- The quality and quantity of useful available information should indicate a need to organize and compress that which has already been learned and written on the topic.
- The topic should not be one where ongoing research or other activities in progress might be expected to render the synthesis obsolete shortly after completion.

Schedule

- January '05 – Topic statement submission deadline
- May '05 - Projects selected
- July '05 - First panel meeting

TCRP Synthesis

In 2004 the program received \$500,000: 5 projects will be initiated in 2005.

Project Submission

Applications for Synthesis projects can come from any source.

Selection Process

The factors considered for the TCRP Synthesis Program are the same as used in the NCHRP Synthesis process.

- The problem should be widespread enough to generate broad interest in the synthesis.
- The problem should be timely and critical with respect to economic impact, safety, or social impact.
- The problem is appropriate if current practice is non-uniform or inconsistent from agency to agency, or if the validity of some practices appears to be questionable.

- The quality and quantity of useful available information should indicate a need to organize and compress that, which has already been learned and written on the topic.
- The topic should not be one where ongoing research or other activities in progress might be expected to render the synthesis obsolete shortly after completion.

Schedule

- March '05 -Topic statement submission deadline
- May '05 - Projects are selected
- June '05 - Topic panel nomination request issued
- July '05 - Topic panels selected
- August '05 - First topic panel meeting

TRANSPORTATION RESEARCH BOARD

OF THE NATIONAL ACADEMIES

The mission of the **Transportation Research Board (TRB)**—one of six major program units of the National Research Council of the National Academies—is to promote innovation and progress in transportation through research. TRB fulfills this mission through the work of its standing technical committees addressing all modes and aspects of transportation; publication of reports and peer-reviewed technical papers on research findings; administration of cooperative research programs; conduct of special studies on transportation policy issues at the request of the U.S. Congress and government agencies; operation of an online bibliographic database of published and ongoing transportation research; and hosting of an annual meeting that attracts more than 9,000 transportation professionals from the United States and abroad.

www.TRB.org

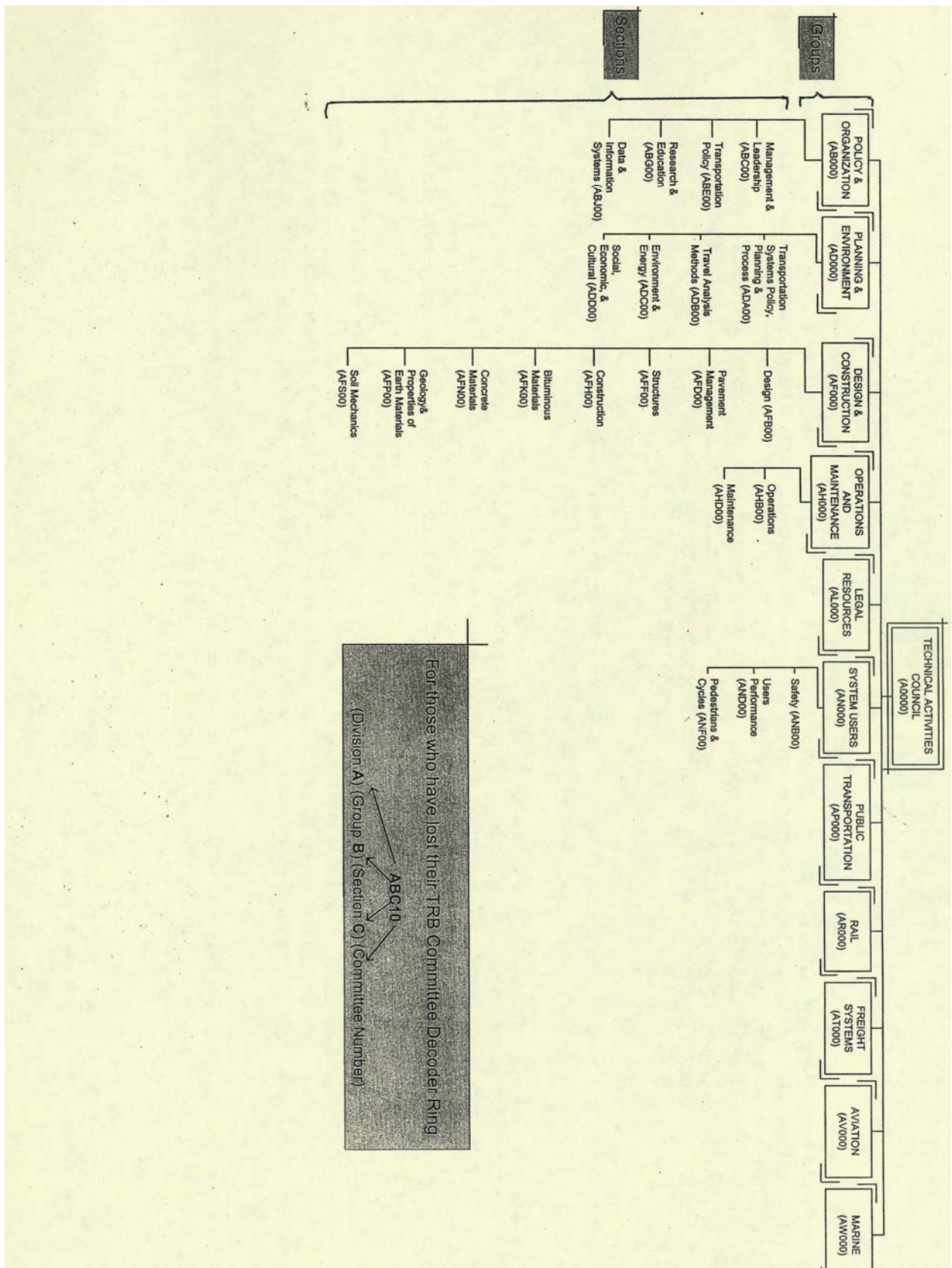
With the support of the **TRB Executive Office** and the **Administration and Finance Division (Division C)**, four Divisions have responsibility for TRB programs and activities:

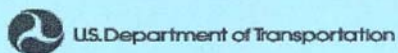
Technical Activities (Division A)—Provides a forum for transportation professionals to identify research needs and to share information on research and issues of interest. Staff specialists in each mode and discipline work with a network of volunteers to carry out activities on behalf of TRB sponsors and the transportation community—including the TRB Annual Meeting, conferences and workshops, publications, visits to each state, and responses to inquiries. The volunteer network includes members and friends of more than 200 standing committees, supplemented by designated TRB representatives in each state, more than 150 universities, and 35 transit agencies.

Studies and Information Services (Division B)—Conducts policy studies that provide advice to government and the transportation community on national transportation issues, based on the deliberations of specially appointed, independent study committees. This division also oversees TRB's information services, which include the Transportation Research Information Services (TRIS) and the TRB library; and it produces syntheses of current practices in highway and transit operations.

Cooperative Research Programs (Division D)—Manages cooperative programs of panel-guided contract research, on topics identified by the sponsors and intended users of the research—the National Cooperative Highway Research Program, the Transit Cooperative Research Program, and the Commercial Truck and Bus Safety Synthesis Program.

Special Programs (Division E)—Administers short-term investigations of innovative concepts, under its Innovations Deserving Exploratory Analysis programs, and supports committees that advise the federal government on the conduct of long-term pavement research and technology programs.





Building Regional Communities

REGISTRATION FORM

Environmental Impacts of Transportation Planning on Land Use, Air and Water Quality

February 8, 2005

\$35.00

Organization Name _____

Contact and Title _____

Address _____

City _____ State _____ Zip Code _____

Telephone _____ E-Mail _____

Fax Number _____ Web site Address _____

Contact Information

If you have questions call Peggy Tadej at 202.986.1032, extension 224 or e-mail tadej@narc.org. For more information visit NARC's web site at: www.narc.org. Return this form by fax to: 202.986-1038 or by mail to:

National Association of Regional Councils
1666 Connecticut Avenue, N. W. ~ Suite 300
Washington, DC 20009

Directions to 777 North Capitol Street, NE (Training Center/Lobby Level)

From Renaissance Washington, DC Hotel

Go South on 9th Street, NW toward New York Avenue, NW.

Turn LEFT onto K Street, NW and walk 0.1 miles

K Street becomes Massachusetts Avenue, NW and walk 0.7 miles

Turn LEFT onto North Capitol Street, NE and walk 0.1 miles

Go to 777 North Capitol Street, NE to the Training Center located at the Lobby Level

From Capitol Hill, 345 Cannon House Office Building, Congressional Briefing Location

One bus that accomodates 47 people will leave the building promptly at 9:30 a.m. for the convenience of those who will be attending the IAQ and TP Workshop. Please listen for the announcement during the Congressional Briefing of the exact departure location.

Note: By cab, the workshop site is within the same zone and the fare, including tip, should be no more than \$7.00.

This workshop is sponsored under a cooperative agreement with the United States Department of Transportation, the United States Environmental Protection Agency and the National Association of Regional Councils.



Environmental Impacts of Transportation Planning Land Use, Air and Water Quality

777 N. Capitol Street, N.E. (Training Center/Lobby Level)
Washington, DC

February 8, 2005

Workshop Fee of \$35.00 Includes Morning Coffee and Lunch

The focus of this workshop is on what Regional Councils and MPOs take into consideration in dealing with land-use, air and water quality, and growth in their long-range transportation plans. When regions expand their transportation network, changes occur that will affect land-use and air and water quality. This workshop will address the tools and processes being used to take these changes into consideration. Presentations will include case studies describing scenario planning, regional alternatives and visioning that can be addressed in a long-range transportation plan.

AGENDA

Moderator: Kathy Daniel, FHWA, Office of Planning and Environment

10:00 – 10:15

Welcome and Introductions

10:15 – 11:30

WASHCOG Showcase: Environmental Impacts of Transportation Planning, Land Use, Air and Water Quality

Moderator: David Robertson, Executive Director, WASHCOG

John Swanson, Transportation Planner: Long-Range Planning using Visioning/Alternative Scenarios

Joan Rohlfis, Chief of Air Quality Planning: Environmental Impacts

Ted Graham, Director of Water Quality Planning: Water Quality Impacts

demographics, health, economic development, environment, and more. The participants bring the factors together in alternative future scenarios, each of these reflecting different trend assumptions and tradeoff preferences. As a result of the process, all members of the community—the general public, business leaders, and elected officials—reach agreement on a preferred scenario. This scenario becomes the long-term policy framework for the community's evolution, and is used to guide decision-making.

Moderator: Sherry B. Ways, FHWA

Mike McKeever, Executive Director, Sacramento Blueprint Trans/Land Use Study, Sacramento, CA

Paul T. Hamilton, Transportation Director, Tri County Regional Planning Commission. Regional Growth: Choices for our Future/Regional 2025 Transportation Plan, Lansing, MI

Jienki Syinn, Senior Transportation Planner, Delaware Valley Regional Planning Commission, Philadelphia, PA

11:15 – 12:30

The Complex Interactions Between Air and Water

Robert Goo, EPA

Suzanne Cooper, Principal Planner, Tampa Bay Regional Planning Council

2:30 – 2:45

Break

2:45 – 4:00

Integrating land-use, air and water quality in long range plan

Micheal Morris, Transportation Director, NCTCOG

John Poorman, Staff Director, Capital District

Transportation Committee, Albany, NY

Tom Kane, Executive Director, Des Moines Area MPO

Juanita S. Wiczorek, Executive Director, Dover/Kent

MPO, Dover Delaware

12:30 – 1:00

Lunch

1:00 – 2:30

Scenario Planning Resources and Tools

Scenario planning is a process in which transportation professionals, local elected officials, and citizens work together to analyze and shape the long-term future of their communities. Using a variety of tools and techniques, participants in scenario planning assess trends in key factors such as transportation, land use,

4:00 – 4:30

Wrap-up

Mark Simon, EPA

This workshop is sponsored under a cooperative agreement with the United States Department of Transportation, the United States Environmental Protection Agency and the National Association of Regional Councils.



REGISTRATION

Workshop — \$235 (US)

Payment may be made by credit card, check, or cash. After March 1, 2005 registration will include a \$25 processing fee. Registration will cover breaks, banquets, program packages, and other direct costs.

LODGING

*Radison (407)658-9008

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LaQuinta Inn (407)737-6075

Hilton Garden Inn (407)992-5000

All hotels within 10 minutes of UCF

* Shuttle to UCF provided



❖LOCATION❖

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4000 Central FL Blvd.
Orlando, FL**

Contact Information

**Dr. Roger L. Wayson
UCF**

**Ph. (407)823-2480
wayson@mail.ucf.edu
OR**

**Ahmed El-Aassar
Ph. (407)823-4553**

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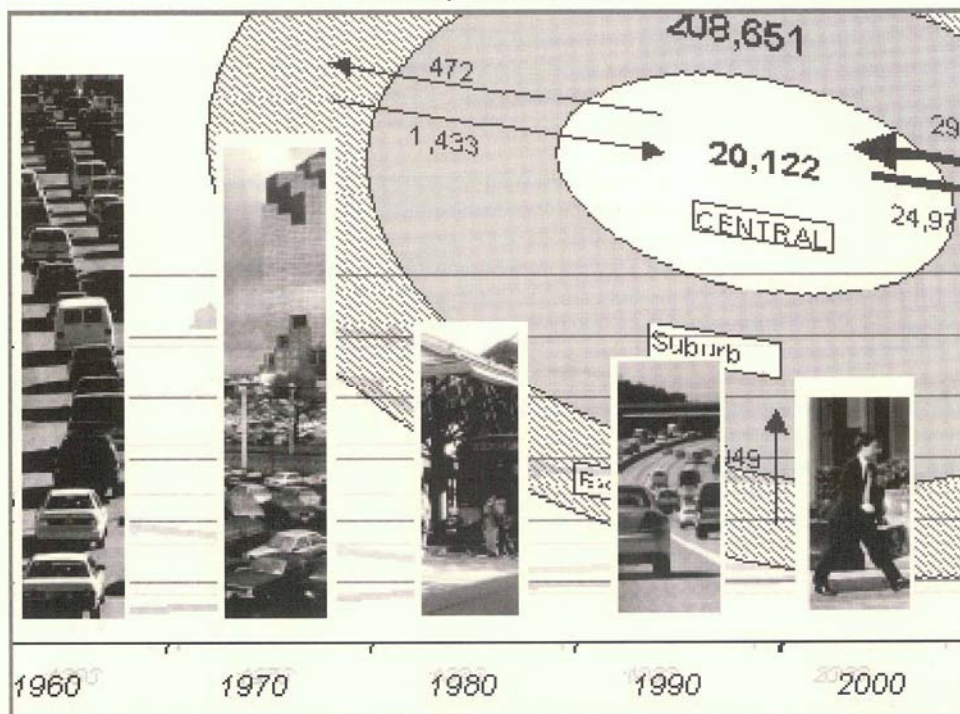
PRELIMINARY PROGRAM

Census Data for Transportation Planning

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