

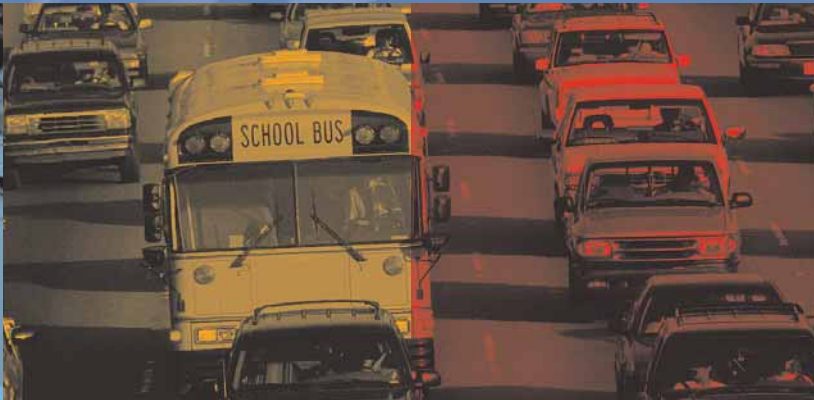


Transportation Research Board

84th Annual Meeting Announcement

Meeting Registration and Hotel Reservations

January 9–13, 2005
Washington, D.C.



TRANSPORTATION RESEARCH BOARD
OF THE NATIONAL ACADEMIES

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TRANSPORTATION RESEARCH BOARD OF THE NATIONAL ACADEMIES

Transportation Research Board
500 Fifth Street, NW
Washington, DC 20001
202-334-2934, Fax: 202-334-2030
TRB.org/meeting

The Transportation Research Board is a division of the National Research Council, which serves as an independent adviser to the federal government and others on scientific and technical questions of national importance. The National Research Council is jointly administered by the National Academy of Sciences, the National Academy of Engineering, and the Institute of Medicine. The mission of the Transportation Research Board—one of six major divisions of the National Research Council—is to promote innovation and progress in transportation through research.

TRANSPORTATION RESEARCH BOARD 84th Annual Meeting

On behalf of the Executive Committee of the Transportation Research Board (TRB), we invite you to participate in the TRB 84th Annual Meeting, an information-packed program that will attract approximately 9,000 transportation professionals from around the world to Washington, D.C., January 9–13, 2005. You will gain an unparalleled opportunity to share your knowledge and perspectives with colleagues and to learn about the latest developments in transportation research, policy, and practice.

The TRB Annual Meeting program covers all transportation modes, with more than 2,500 presentations in 500 sessions addressing topics of interest to all attendees—policy makers, administrators, practitioners, researchers, and representatives of government, industry, and academic institutions. This year's spotlight theme is Transportation from the Customer's Perspective: Providing a Safe, Secure, and Integrated System.

Specialty workshops, poster sessions, committee meetings, and the exhibits of TRB Sponsors complement the formal sessions and provide a variety of opportunities for information sharing and interaction. All registrants will receive the TRB Annual Meeting Compendium of Papers CD-ROM.

Visit the TRB website (TRB.org/meeting) in early November for session details and other program information. Use the **Interactive Preliminary Program on the website to conduct searches and to plan your itinerary**. If you register for the meeting in advance, you will be able to gain access to meeting room names when using the Interactive Preliminary Program.

Keep informed about the Annual Meeting through TRB's free electronic newsletter. The e-newsletter also provides information on federal, state, academic, and international transportation research activities. To subscribe, send an e-mail to rhouston@nas.edu with "TRB E-Newsletter" in the subject area.

Register before November 30 to take advantage of the lower fees, to gain access to the enhanced Interactive Preliminary Program features, and to ensure that registration materials will be ready for you on-site. Registration by Internet and fax is encouraged. If you are not a TRB Affiliate Member, you can enroll to become an Affiliate by November 30 and qualify immediately for lower registration fees (see information on page 1). This Announcement includes forms for meeting registration and hotel information.

Plan now to attend the TRB 84th Annual Meeting—we look forward to seeing you in Washington, D.C., this January.



Michael S. Townes
Chair, Executive Committee



Robert E. Skinner, Jr.
Executive Director

Registration and Scheduling Information



The Transportation Research Board (TRB) 84th Annual Meeting will be held in Washington, D.C., at the Connecticut Avenue Collection hotels: Marriott Wardman Park, Omni Shoreham, and Hilton Washington. All sessions and meetings, except executive sessions, are open to registrants.

Schedule at a Glance

	Sunday January 9	Monday January 10	Tuesday January 11	Wednesday January 12	Thursday January 13
8 a.m.		Sessions	Sessions	Sessions	Sessions
9 a.m.	Registration and Workshops				
10 a.m.					
11 a.m.					Sessions
Noon					
1 p.m.				Chairman's Luncheon	
2 p.m.		Sessions	Sessions		
3 p.m.	Presentation Training			Sessions	
4 p.m.					
5 p.m.	New & Young Attendees Welcome Session and Networking Reception			Sessions	
6 p.m.					
7 p.m.					
8 p.m.		Sessions	Sessions		
9 p.m.					

Registration and Tickets

Registration is required for all attendees, including those who register to attend any workshop; fees must accompany the Registration Form, page 13. The registration fee includes admission to no-fee workshops, sessions, and exhibits; a copy of the Annual Meeting Compendium of Papers CD-ROM; and use of the Annual Meeting shuttle service. The Human Factors Workshops (limited attendance), the Workshop on Proposed Changes to the AASHTO Load and Resistance Factor Design Structural Foundation Specifications (also limited attendance), and the Chairman's Luncheon require an additional fee.

Register as soon as possible by completing the registration form at the TRB website (www.TRB.org/meeting). Internet and fax registrations are encouraged for immediate confirmation. **November 30, 2004, is the deadline for advance registration at the reduced fees.** Online registration closes on December 31, 2004. Written confirmations will be sent within two weeks by e-mail, fax, or mail. *If you do not receive a confirmation, please check the status of your registration by contacting Customer Service:*

301-694-5243 (9:00 a.m.–5:00 p.m., EST)
Fax: 301-694-5124

Advance registrants may pick up badges, tickets, CD-ROMs, and Final Programs at the TRB Registration desk at any Connecticut Avenue Collection hotel. Registrations received after November 30, 2004, are considered on-site registrations, and the higher fees apply. On-site registration for the no-fee categories is available at all hotels. On-site registration for the fee categories is available

only at the Marriott Wardman Park and Hilton Washington hotels. Registration is open:

- Saturday, January 8 4:30 p.m.–7:30 p.m.
- Sunday, January 9 7:30 a.m.–7:30 p.m.
- Monday, January 10 7:00 a.m.–7:30 p.m.
- Tuesday, January 11 7:30 a.m.–7:30 p.m.
- Wednesday, January 12 7:30 a.m.–6:00 p.m.

Payment is required at the time of registration, by credit card (MasterCard, VISA, or American Express) or by check payable to TRB in U.S. funds drawn on a U.S. bank. Only government agencies and universities may submit purchase orders (Federal Identification 53-0196932).

Registration Classifications and Fees

A mentee who registers for the meeting with a mentor may qualify for a reduced fee. The mentee must be under 30 years old, from the same organization as the mentor, and must register on the same Registration Form as the mentor (who must register in categories A–H).

	Advance (by November 30)	After November 30 and On-Site
TRB Individual Affiliate	\$255	\$420
Nonaffiliate ¹	\$395	\$605
One day	\$205	\$330
Member of TRB Council, Committee, Task Force, NCHRP/TCRP Panel, or Program Participant, or Mentee ³	\$195	\$305
TRB Student Affiliate	\$ 25	\$ 35
Student (full time) ¹	\$ 90	\$100
TRB Executive Committee Member; Emeritus Member; Chair of TRB Council, Section, Committee, Task Force, or NCHRP/TCRP Panel; TRB-Appointed University/Transit Representative ² ; Sustaining/Organizational Affiliate ² ; or employee of TRB Sponsor ²	No Fee	No Fee

¹Become a TRB Affiliate by November 30 and pay the lower registration fee.

²Must receive special notice from TRB to qualify.

³Must be under 30 years old and from the same organization as the mentor; follow instructions on the Registration Form, page 13.

Secure Your Visa

If you need a visa to enter the United States for the Annual Meeting, please apply now! Even if you did not need a visa for a previous Annual Meeting, please check the current requirements. If you need an Annual Meeting invitation letter, contact Rosa Allen (rallen@nas.edu). General information on the U.S. visa application process is available through the National Academies' International Visitors Office (www.national-academies.org/visas). Official information is available from the U.S. Department of State (UnitedStatesVisas.gov).

Registration Cancellation and Refunds

Cancellations received in writing (fax to Customer Service at 301-694-5124) by December 15 will be refunded less a \$25 processing fee. No refunds will be issued after December 15.

Have a Question?

For registration information, contact Customer Service, P.O. Box 590, Frederick, MD 21705 (301-694-5243, 9:00 a.m.–5:00 p.m., EST; Fax 301-694-5124). For hotel reservations, contact the hotel of your choice (see pages 10–11). For general information, check the TRB website (TRB.org/meeting), call TRB staff (202-334-2934), or fax your request (202-334-2299).

Spotlight Sessions



This year's Annual Meeting will spotlight Transportation from the Customer's Perspective: Providing a Safe, Secure, and Integrated System. The theme will be featured in sessions that cross all modes and disciplines, at all hotels.

Session Topics and Locations

The TRB 84th Annual Meeting includes more than 500 sessions and 350 meetings organized by TRB's standing committees and task forces. Following is a sampling of the major topic areas. Many sessions will be cross-disciplinary, spanning the purviews of several TRB groups, sections, and committees.

Also shown are the hotels that will serve as the locations for the majority of sessions and meetings for each topic. Session details and scheduling information will be posted on the TRB website (TRB.org/meeting) in early November. Use the Interactive Program on the website to conduct searches and to plan your itinerary.

Topic	Location
Aviation	Shoreham
Bituminous Materials	Marriott
Concrete Materials	Marriott
Construction	Marriott
Data and Information Systems	Hilton
Design	Marriott and Shoreham
Environment and Energy	Hilton
Freight Systems	Shoreham
Geology and Earth Materials	Marriott and Shoreham
Legal Resources	Marriott
Environmental, Transit, and Intermodal	Hilton
Maintenance	Marriott
Management and Leadership	Hilton
Marine	Shoreham
Operations	Marriott
Pavement Management	Marriott and Shoreham
Pedestrians and Cycles	Marriott
Pedestrians	Hilton
Public Transportation and Ferries	Hilton
Rail	Marriott and Shoreham
Research and Education	Hilton
Safety	Marriott
Security	All Hotels
Social, Economic, and Cultural Issues	Hilton
Soil Mechanics	Marriott
Structures	Marriott and Shoreham
Systems Planning, Policy, and Process	Hilton
Transportation Policy	Shoreham and Hilton
Travel Analysis Methods	Hilton
Trucking	Shoreham
Users	Marriott

Session Time Frames

The TRB Annual Meeting offers approximately 2,500 papers and presentations. Full details will be posted on

the TRB website (TRB.org/meeting) in early November. Following are the session time frames:

- 8:00 a.m.–9:45 a.m.
- 10:15 a.m.–noon
- 1:30 p.m.–3:15 p.m. (Wednesday, 2:30 p.m.–4:00 p.m.)
- 3:45 p.m.–5:30 p.m. (Wednesday, 4:30 p.m.–6:00 p.m.)
- 7:30 p.m.–9:30 p.m. (except Wednesday)

Workshops

Most workshops are held concurrently. Workshop attendees are required to register for the TRB Annual Meeting. There are no additional fees for attending workshops, except for the Human Factors Workshops and the Workshop on Proposed Changes to the AASHTO Load and Resistance Factor Design Structural Foundation Specification, which have limits on attendance. Please submit the fee for these ticketed workshops, which include refreshments, with the Registration Form. All workshops are listed by subject on pages 5–7. Descriptions of the Human Factors Workshop sessions appear on pages 8–9. The workshop number (100 series) follows each title. Full workshop details will be posted on the TRB website (TRB.org/meeting) in mid-September.

Meet-the-Author Poster Sessions



Meet-the-Author Poster Sessions provide an opportunity to interact with authors in a more personal setting than the conventional lecture. Poster sessions are scheduled for half-day periods:

- Monday, January 10, and Tuesday, January 11
9:30 a.m.–noon and 2:30 p.m.–5:00 p.m.
- Wednesday, January 12
9:30 a.m.–noon

Poster session authors are available to provide details about their research and answer questions, 10:00 a.m.–11:00 a.m. or 3:00 p.m.–4:00 p.m.

Committee Meetings

TRB committees hold more than 350 meetings during the five-day event. Meeting schedules conform to the session time frames listed above, unless otherwise noted in the Final Program.

TRB Affiliates

Become a TRB Affiliate by November 30 to take advantage of reduced Annual Meeting registration fees and year-round benefits and services.

- **Individual affiliates** pay a **\$78** annual fee (\$99 outside North America). Benefits and services include information about TRB meetings; reduced registration fees for the TRB Annual Meeting; complimentary subscription to TRB's bimonthly magazine, *TR News*, and the TRB E-Newsletter; a 25% discount on most TRB publications; and use of the TRB Library. Affiliates also are entitled to participate in the TRB subscription service.
- **Student affiliation** costs **\$51** (\$64 outside North America) and is available to full-time students of accredited postsecondary institutions. TRB Student Affiliates receive all benefits and services, with a 50% discount on most TRB publications.

Information: Martha Ramage 202-334-3216, fax 202-334-2519, TRBSales@nas.edu.



Presentations That Won't Leave Your Audience in the Dark!

Workshop 165 • Sunday, January 9 • 3:00 p.m.–4:00 p.m.
Marriott, South Carolina

Learn speaking tips, techniques for preparing high-quality presentations, and on-site troubleshooting techniques from Curt Sauter of the 3M Company and Patricia Lees of the Council for Adult and Experimental Learning. All Annual Meeting attendees are welcome.

New and Young Attendees Welcome Session and Networking Reception

Sunday, January 9 • 4:30 p.m.–6:30 p.m.
Marriott, Salon 2

Attendees age 30 and under and everyone attending the TRB Annual Meeting for the first time—or for the first time in several years—are invited to attend this session and reception. The program offers a brief overview of TRB, tips on navigating the Annual Meeting, the role that TRB can play in career development, and an opportunity to become involved in the TRB committee structure. An informal reception (cash bar) follows for attendees to meet each other and TRB leaders. Please indicate on the registration form if you plan to attend.

Chairman's Luncheon

Wednesday, January 12
Noon–2:00 p.m.
Marriott

Advance registration
advised

\$55 **TICKET**

The Chairman's Luncheon, hosted by 2004 Executive Committee Chair Michael Townes, includes the introduction of new Executive Committee members and officers; featured speaker Brian O'Neill of the Insurance Institute for Highway Safety; and presentation of TRB's most prestigious awards. Balcony seating is available for attendees who do not register for the lunch.

International Participants Reception

Monday, January 10 • 5:30 p.m.–7:30 p.m.
Hilton, Terrace

International attendees at the Annual Meeting are invited to get involved in TRB committee activities and to attend the International Participants Reception. A no-host bar will be available. TRB appreciates the support from the World Bank for this reception.

Thomas B. Deen Distinguished Lecture

Monday, January 10 • 6:00 p.m.–7:00 p.m.
Marriott, Salon 1

The recipient of the 2005 Thomas B. Deen Distinguished Lectureship is Lillian C. Borrone, NAE, former Assistant Executive Director of the Port Authority of New York and New Jersey and past Chair of the TRB Executive Committee (1995). The award recognizes the career contributions and achievements of an individual in areas covered by the Board's Technical Activities Division. Honorees present overviews of their technical areas, covering the evolution, status, and prospects for the future. A copy of the lecture will be available on the TRB Annual Meeting Compendium of Papers CD-ROM.

Dwight David Eisenhower Transportation Fellowship Program Research Showcase

Tuesday, January 11 • 8:30 a.m.–5:30 p.m.
Marriott, Balcony A

FHWA's Universities and Grants Programs is sponsoring the Twelfth Annual Dwight David Eisenhower Transportation Fellowship Program Research Showcase, focusing on the education and training of new transportation professionals, the work of past fellowship recipients in academia, the transportation education pipeline, and more. A networking reception follows in the Cotillion Foyer.

Information: Ilene D. Payne, 703-235-0538,
ilene.payne@fhwa.dot.gov

General Information



Interactive Preliminary Program

An advance version of the Final Program with full session and individual presentation information will be available in early November on the TRB website (TRB.org/meeting). Use the **Interactive Preliminary Program on the website to conduct searches and to plan your itinerary.** If you register for the meeting in advance, you will receive access to the meeting room names on the Interactive Preliminary Program. TRB will need your e-mail address to provide this special online access—therefore be sure to provide your e-mail address on the Registration Form.

TRB E-Newsletter

Keep informed about the Annual Meeting through TRB's free electronic newsletter. The weekly e-newsletter also provides information on federal, state, academic, and international transportation research activities. To sub-

scribe, send an e-mail to rhouston@nas.edu with "TRB E-Newsletter" in the subject area. Past newsletters are posted at TRB.org/news.

Compendium of Papers CD-ROM

Entries in the Final Program accepted for presentation by a TRB review committee are designated with a paper number (05- followed by four digits). The CD-ROM containing the presented papers is included with each Annual Meeting registration. Additional CD-ROMs may be purchased for \$60 each—see the item on the registration form.

Discussions

Attendees are welcome to submit written discussions of any paper presented at the Annual Meeting. The Final Program will include detailed instructions.

Professional Development Hours

Nationally recognized Professional Development Hours (PDHs) are awarded for attending the Annual Meeting. Each hour of participation earns one (1) PDH; attendees must maintain their own records of attendance. TRB will confirm an individual's registration at the request of the licensing agency. The Final Program will include a credit statement form for PDHs.

Exhibits

Marriott, Exhibit Hall

Visit the exhibits to learn more about TRB and to view TRB Sponsor displays on recent research projects and products. TRB displays feature information about affiliate services, publications, the TRB website, the Cooperative Research Programs, the Transportation Research Information Service (TRIS), and the Innovations Deserving Exploratory Analysis (IDEA) Programs. Hours are

- Sunday, January 9 1:30 p.m.–5:30 p.m.
- Monday, January 10 and Tuesday, January 11 9:00 a.m.–5:30 p.m.
- Wednesday, January 12 9:00 a.m.–3:00 p.m.

Employment Opportunities

Marriott, Taft

The Employment Opportunities room offers a venue for matching positions and candidates. Job seekers supply resumes, and employers post vacancies:

- Sunday, January 9– Wednesday, January 12 7:30 a.m.–7:30 p.m.
- Thursday, January 13 7:30 a.m.–noon

Speaker Ready Rooms

Marriott, Thurgood Marshall
Shoreham, Presidential Board Room
Hilton, Adams

Facilities will be available to review visual aids during the following times:

- Saturday, January 8 4:00 p.m.–9:30 p.m.
- Sunday, January 9– Wednesday, January 12 7:00 a.m.–9:30 p.m.
- Thursday, January 13 7:00 a.m.–10:30 a.m.

News Room

(Credentialed press only)
Marriott, Park Tower Room 8205; Shoreham, Council; Hilton, Conference Room

The News Room will be open:

- Sunday, January 9– Tuesday, January 11 7:30 a.m.–7:30 p.m.
- Wednesday, January 12 7:30 a.m.–6:00 p.m.
- Thursday, January 13 7:30 a.m.–11:00 a.m.

Cooperative Research Programs

NCHRP, Marriott, Lanai 144
Synthesis Studies, Marriott, Suite 2022; and
Hilton, Suite 2174
TCRP, Hilton, Cabana 326

The National Cooperative Highway Research Program (NCHRP), Synthesis Studies, and the Transit Cooperative Research Program (TCRP) will hold meetings during the Annual Meeting. Copies of the NCHRP Progress Report and TCRP Information will be available at the TRB Exhibit in the Marriott and on the Terrace Level at the Hilton. For more information on the Cooperative Research Programs, visit www.TRB.org/NCHRP.

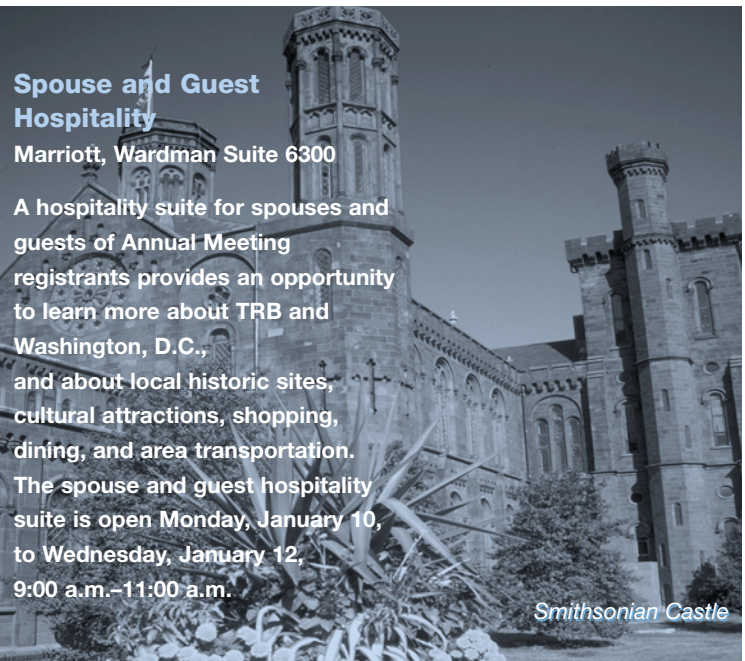
Accessibility



TRB uses only facilities and vendors complying with the Americans with Disabilities Act. If you have a disability that requires special accommodation, please describe it on the Registration Form. The TRB website (TRB.org/meeting) will have the Annual Meeting Preliminary Program available in accessible HTML format. Sign language interpreters, auxiliary aids, materials in alternate formats, or special requirements for shuttle services are available if requested by November 30, 2004. Contact the TRB Meetings Department, 202-334-2382, or rgillum@nas.edu.

Day Care Services

For information on day care services, please contact the hotel concierge.



Spouse and Guest Hospitality
Marriott, Wardman Suite 6300


A hospitality suite for spouses and guests of Annual Meeting registrants provides an opportunity to learn more about TRB and Washington, D.C., and about local historic sites, cultural attractions, shopping, dining, and area transportation. The spouse and guest hospitality suite is open Monday, January 10, to Wednesday, January 12, 9:00 a.m.–11:00 a.m.

Smithsonian Castle

Plan to Attend Future TRB Annual Meetings

- 85th Annual Meeting, January 22–26, 2006
- 86th Annual Meeting, January 21–25, 2007
- 87th Annual Meeting, January 13–17, 2008




Workshops are on Sunday, January 9, 2005, unless otherwise noted.  additional fee workshops. See pages 8–9 for details.

Subject, Title	No.	Date, Time	Hotel, Room	Contact
Aviation				
Aviation Activity Forecasting Methodology and Assumptions	108	8:30 a.m.–noon	Shoreham, Hampton	Joseph Breen, 202-334-3206, jbreen@nas.edu
Security Strategies for Passenger Processing	154	1:30 p.m.–5:00 p.m.	Shoreham, Hampton	Joseph Breen, 202-334-3206, jbreen@nas.edu
Bituminous Materials				
Factors Affecting Compaction of Asphalt Pavements	121	8:30 a.m.–5:00 p.m.	Marriott, Salon 1	Frederick Hejl, 202-334-2952, fhejl@nas.edu
Concrete Materials				
Advances in Self-Consolidating Concrete	101	8:30 a.m.–noon	Marriott, Cotillion South	Frederick Hejl, 202-334-2952, fhejl@nas.edu
Construction				
Concrete Pavement Warranties: Issues and Challenges	142	1:30 p.m.–5:00 p.m.	Marriott, Delaware A	Frederick Hejl, 202-334-2952, fhejl@nas.edu
Design-Build: A Quality Process	120	8:30 a.m.–5:00 p.m.	Marriott, Cotillion North	Frederick Hejl, 202-334-2952, fhejl@nas.edu
Factors Affecting Compaction of Asphalt Pavements	121	8:30 a.m.–5:00 p.m.	Marriott, Salon 1	Frederick Hejl, 202-334-2952, fhejl@nas.edu
Project Management Tools for Construction Management: A Review of Current Approaches	149	1:30 p.m.–5:00 p.m.	Marriott, Balcony B	Thomas Palmerlee, 202-334-2907, tpalmerlee@nas.edu
Data and Information Systems				
2001 National Household Travel Survey (NHTS) Data Users: Nuts and Bolts of the 2001 NHTS Data	157	1:30 p.m.–5:00 p.m.	Hilton, Monroe East	Thomas Palmerlee, 202-334-2907, tpalmerlee@nas.edu
Forum on Pavement Performance Data Analysis	100	January 8, 2005 9:00 a.m.–6:00 p.m.	Shoreham, Blue Room	A. Robert Raab, 202-334-2569, rraab@nas.edu
Location Management for Transportation Data Integration: Current Best Practices	163	1:30 p.m.–5:00 p.m.	Hilton, Lincoln West	Thomas Palmerlee, 202-334-2907, tpalmerlee@nas.edu
Design				
Context-Sensitive Design: An International Perspective on Urban Street Design	109	8:30 a.m.–noon	Shoreham, Ambassador	Stephen Maher, 202-334-2955, smaher@nas.edu
Issues and Joint Opportunities Relating to Design, Public Involvement, and Visualization	146	1:30 p.m.–5:00 p.m.	Marriott, Washington B5	Richard Pain, 202-334-2964, rpain@nas.edu
Environment and Energy				
Invasive Species and Transportation	123	8:30 a.m.–5:00 p.m.	Hilton, Monroe West	Kimberly Fisher, 202-334-2968, fmorgan@nas.edu
Mobile Source Air Toxins: How Much Do You Need to Know?	124	8:30 a.m.–5:00 p.m.	Hilton, Hemisphere	Kimberly Fisher, 202-334-2968, fmorgan@nas.edu
Sustainable Transport in Latin America From Theory to Practice	126	8:30 a.m.–5:00 p.m.	Hilton, International West	Kimberly Fisher, 202-334-2968, fmorgan@nas.edu
Freight Systems				
Hazardous Materials Transportation Safety and Security Operational Test: Findings and Future Considerations	145	1:30 p.m.–5:00 p.m.	Marriott, Balcony A	Frank Lisle, 202-334-2950, flisle@nas.edu
Geology and Earth Materials				
Doctoral Student Research in Transportation Geotechnics	144	1:30 p.m.–5:00 p.m.	Marriott, McKinley	G. P. Jayaprakash, 202-334-2952, gjayaprakash@nas.edu
Laboratory and In Situ Testing Equipment for Unsaturated Soils	147	1:30 p.m.–5:00 p.m.	Marriott, Coolidge	G. P. Jayaprakash, 202-334-2952, gjayaprakash@nas.edu
Soil and Rock Properties	106	8:30 a.m.–noon	Marriott, Balcony A	G. P. Jayaprakash, 202-334-2952, gjayaprakash@nas.edu
Operations				
Best Practices for Traffic Signal Timing and Operations	140	9:00 a.m.–5:00 p.m.	Shoreham, Diplomat	Richard Cunard, 202-334-2965, fmorgan@nas.edu
Emerging Partnerships in Traffic Incident Management	110	8:30 a.m.–noon	Shoreham, Palladian	Richard Cunard, 202-334-2965, fmorgan@nas.edu
Multi-Agency Regional Operations	153	1:30 p.m.–5:00 p.m.	Shoreham, Palladian	Richard Cunard, 202-334-2965, fmorgan@nas.edu
Traffic Simulation Models	156	1:30 p.m.–5:00 p.m.	Shoreham, Empire	Richard Cunard, 202-334-2965, fmorgan@nas.edu

Workshops *(continued)*

Workshops are on Sunday, January 9, 2005, unless otherwise noted. **TICKET** additional fee workshops. See pages 8–9 for details.

Subject, Title	No.	Date, Time	Hotel, Room	Contact
Pavement Management				
Continuous Pavement Deflection Profiles	102	8:30 a.m.–noon	Marriott, Washington B3	Stephen Maher, 202-334-2955, smaher@nas.edu
Forum on Pavement Performance Data Analysis	100	January 8, 2005 9:00 a.m.–6:00 p.m.	Shoreham, Blue Room	A. Robert Raab, 202-334-2569, rraab@nas.edu
Long-Term Pavement Performance State Coordinators Meeting	105	8:30 a.m.–noon	Marriott, Balcony B	A. Robert Raab, 202-334-2569, rraab@nas.edu
Public Transportation and Ferries				
Transit Capacity and Quality of Service	128	9:00 a.m.–4:00 p.m.	Hilton, Jefferson West	Peter Shaw, 202-334-2966, pshaw@nas.edu
Transit Security Training	122	8:30 a.m.–5:00 p.m.	Shoreham, Executive	Joedy Cambridge, 202-334-2167, jcambridge@nas.edu
Rail				
Wheel–Rail Interaction Management	139	9:00 a.m.–5:00 p.m.	Marriott, Harding	Elaine King, 202-334-3206, eking@nas.edu
Research and Education				
Communication for Research Managers and Administrators	159	1:30 p.m.–5:00 p.m.	Hilton, Cabinet	Claire Felbinger, 202-334-3177, cfelbinger@nas.edu
Presentations That Won't Leave Your Audience in the Dark!	164	3:00 p.m.–4:00 p.m.	Marriott, South Carolina	Mark Norman, 202-334-2941, mnorman@nas.edu
Technology Transfer Strategies for Implementing the Mechanistic–Empirical Pavement Design Guide	151	1:30 p.m.–5:00 p.m.	Marriott, Washington B3	Claire Felbinger, 202-334-3177, cfelbinger@nas.edu
Safety				
Accident Reconstruction	129	9:00 a.m.–5:00 p.m.	Marriott, Hoover	Richard Pain, 202-334-2964, rpain@nas.edu
Best Practices for Traffic Signal Timing and Operations	140	9:00 a.m.–5:00 p.m.	Shoreham, Diplomat	Richard Cunard, 202-334-2965, fmorgan@nas.edu
Community-Based Transportation for Seniors and Information System Technology: The Marriage of Grassroots and High Tech TICKET	130	9:00 a.m.–5:00 p.m.	Marriott	Richard Pain, 202-334-2964, rpain@nas.edu
Cross-Modal Application of Work Analysis and Information Display Strategies TICKET	131	9:00 a.m.–5:00 p.m.	Marriott	Richard Pain, 202-334-2964, rpain@nas.edu
The Development of Standardized Descriptions of Driving Simulator Scenarios: Human Factors Considerations TICKET	137	9:00 a.m.–5:00 p.m.	Marriott	Richard Pain, 202-334-2964, rpain@nas.edu
Driver Models: Design, Integration, and Applications TICKET	132	9:00 a.m.–5:00 p.m.	Marriott	Richard Pain, 202-334-2964, rpain@nas.edu
Evaluating and Assessing Safety Education Program Impacts: A Benefit to All Modes TICKET	133	9:00 a.m.–5:00 p.m.	Marriott	Richard Pain, 202-334-2964, rpain@nas.edu
Federal Motor Carrier Safety Administration Research and Technology: Today and Tomorrow	119	8:30 a.m.–12:30 p.m.	Marriott, Salon 3	Richard Pain, 202-334-2964, rpain@nas.edu
Maximizing Safety, Efficiency, and Quality of Life: Linking the Work and Off-Work Conditions for Transportation Workers Through the Application of Human Behavioral Science TICKET	134	9:00 a.m.–5:00 p.m.	Marriott	Richard Pain, 202-334-2964, rpain@nas.edu
Road Safety in Developing Countries	114	8:30 a.m.–noon	Hilton, Georgetown East	Mark Norman, 202-334-2941, mnorman@nas.edu
Should Teenage Drivers Be Electronically Monitored? TICKET	135	9:00 a.m.–5:00 p.m.	Marriott	Richard Pain, 202-334-2964, rpain@nas.edu
Slowing Drivers Down: What Works? What Doesn't? TICKET	136	9:00 a.m.–5:00 p.m.	Marriott	Richard Pain, 202-334-2964, rpain@nas.edu
The World's Biggest Safety Problem: Improving Pedestrian Safety TICKET	138	9:00 a.m.–5:00 p.m.	Marriott	Richard Pain, 202-334-2964, rpain@nas.edu
Security				
Bridge and Tunnel Security Update	152	1:30 p.m.–5:00 p.m.	Shoreham, Ambassador	Stephen Maher, 202-334-2955, smaher@nas.edu
Security Strategies for Passenger Processing	154	1:30 p.m.–5:00 p.m.	Shoreham, Hampton	Joseph Breen, 202-334-3206, jbreen@nas.edu
Transit Security Training	122	8:30 a.m.–5:00 p.m.	Shoreham, Executive	Joedy Cambridge, 202-334-2167, jcambridge@nas.edu

Subject, Title	No.	Date, Time	Hotel, Room	Contact
Soil Mechanics				
Accelerated Construction Technologies for Embankment Support	141	1:30 p.m.–5:00 p.m.	Marriott, Salon 3	G. P. Jayaprakash, 202-334-2952, gjayaprakash@nas.edu
Doctoral Student Research in Transportation Geotechnics	144	1:30 p.m.–5:00 p.m.	Marriott, McKinley	G. P. Jayaprakash, 202-334-2952, gjayaprakash@nas.edu
Laboratory and In Situ Testing Equipment for Unsaturated Soils	147	1:30 p.m.–5:00 p.m.	Marriott, Coolidge	G. P. Jayaprakash, 202-334-2952, gjayaprakash@nas.edu
Proposed Changes to the AASHTO Load and Resistance Factor Design Structural Foundation Specification 	150	1:30 p.m.–5:00 p.m.	Marriott	G. P. Jayaprakash, 202-334-2952, gjayaprakash@nas.edu
Soil and Rock Properties	106	8:30 a.m.–noon	Marriott, Balcony A	G. P. Jayaprakash, 202-334-2952, gjayaprakash@nas.edu
Structures				
Application of Health Monitoring for Bridges	107	8:30 a.m.–noon	Shoreham, Congressional A	Stephen Maher, 202-334-2955, smaher@nas.edu
Bridge and Tunnel Security Update	152	1:30 p.m.–5:00 p.m.	Shoreham, Ambassador	Stephen Maher, 202-334-2955, smaher@nas.edu
Construction Specifications for Bonded Repair of Concrete Structures Using Fiber Composites	143	1:30 p.m.–5:00 p.m.	Marriott, Cotillion South	Stephen Maher, 202-334-2955, smaher@nas.edu
Load and Resistance Factor Design Curved Girder Analysis and Design	103	8:30 a.m.–noon	Marriott, Washington B5	Stephen Maher, 202-334-2955, smaher@nas.edu
Load and Resistance Factor Design of Concrete Bridge Superstructures	104	8:30 a.m.–noon	Marriott, Washington B2	Stephen Maher, 202-334-2955, smaher@nas.edu
Load and Resistance Factor Design of Spliced I-Girders	148	1:30 p.m.–5:00 p.m.	Marriott, Washington B2	Stephen Maher, 202-334-2955, smaher@nas.edu
Seismic Retrofitting of Highway Bridges	155	1:30 p.m.–5:00 p.m.	Shoreham, Congressional A	Stephen Maher, 202-334-2955, smaher@nas.edu
Systems Planning, Policy, Process				
Experiential: Getting People Involved Productively	161	1:30 p.m.–5:00 p.m.	Hilton, Military	Kimberly Fisher, 202-334-2968, fmorgan@nas.edu
Issues and Joint Opportunities Relating to Design, Public Involvement, and Visualization	146	1:30 p.m.–5:00 p.m.	Marriott, Washington B5	Richard Pain, 202-334-2964, rpain@nas.edu
Multi-Agency Regional Operations	153	1:30 p.m.–5:00 p.m.	Shoreham, Palladian	Richard Cunard, 202-334-2965, fmorgan@nas.edu
National Parks and Public Lands: Impact of Transportation on Quality of Visitor Experience	112	8:30 a.m.–noon	Hilton, Military	Kimberly Fisher, 202-334-2968, fmorgan@nas.edu
National Environmental Policy Act Planning, Historic Preservation, and Tribes: Consult Early and Often!	113	8:30 a.m.–noon	Hilton, Georgetown West	Kimberly Fisher, 202-334-2968, fmorgan@nas.edu
Traffic Simulation Models	156	1:30 p.m.–5:00 p.m.	Shoreham, Empire	Richard Cunard, 202-334-2965, fmorgan@nas.edu
Transportation Demand Management and Transportation System Performance	116	8:30 a.m.–noon	Hilton, Cabinet	Claire Felbinger, 202-334-3177, cfelbinger@nas.edu
Transportation Infrastructure and Obesity: An Emerging National Issue	117	8:30 a.m.–noon	Hilton, International East	Kimberly Fisher, 202-334-2968, fmorgan@nas.edu
Transportation Policy				
Road Pricing	125	8:30 a.m.–5:00 p.m.	Hilton, International Center	Claire Felbinger, 202-334-3177, cfelbinger@nas.edu
Transportation Finance	127	8:30 a.m.–5:00 p.m.	Hilton, Jefferson East	Claire Felbinger, 202-334-3177, cfelbinger@nas.edu
Travel Analysis Methods				
Activity-Based Approaches: Theory, Methods, Data, and Applications	158	1:30 p.m.–5:00 p.m.	Hilton, International East	Kimberly Fisher, 202-334-2968, fmorgan@nas.edu
Aviation Activity Forecasting Methodology and Assumptions	108	8:30 a.m.–noon	Shoreham, Hampton	Joseph Breen, 202-334-3206, jbreen@nas.edu
Doctoral Student Research in Transportation Modeling	160	1:30 p.m.–5:00 p.m.	Hilton, Thoroughbred	Kimberly Fisher, 202-334-2968, fmorgan@nas.edu
Innovative Travel Models: Proof of Concept	111	8:30 a.m.–noon	Hilton, Lincoln East	Kimberly Fisher, 202-334-2968, fmorgan@nas.edu
Integrated Land Use–Transport Models	162	1:30 p.m.–5:00 p.m.	Hilton, Lincoln East	Kimberly Fisher, 202-334-2968, fmorgan@nas.edu
Traffic Assignment with Equilibrium Methods	115	8:30 a.m.–noon	Hilton, Thoroughbred	Kimberly Fisher, 202-334-2968, fmorgan@nas.edu
Traffic Simulation Models	156	1:30 p.m.–5:00 p.m.	Shoreham, Empire	Richard Cunard, 202-334-2965, fmorgan@nas.edu
Wavelet Applications in Transportation Engineering	118	8:30 a.m.–noon	Hilton, Lincoln West	Thomas Palmerlee, 202-334-2907, tpalmerlee@nas.edu



130–138

Human Factors in Transportation 38th Annual Workshops

Sunday, January 9 • 9:00 a.m.–5:00 p.m.

Marriott

Advance registration required

These participatory workshops cover topics chosen for timely insights into current practice and ongoing research. Users of research and information on human factors; researchers studying human factors in vehicle design, vehicle operation, and system safety; and practitioners involved in the design and operation of transportation systems should attend. The fee includes lunch and a reception. Dr. David Shinar, Ben Gurion University of the Negev, will present the luncheon address, “From the Lab to the Road: Making Headway in Maintaining Safe Headways.”

Workshop sessions run concurrently—use the Registration Form to select one of the following nine sessions. Tickets received on site will indicate the room locations.

- 130 Community-Based Transportation for Seniors and Information System Technology: The Marriage of Grassroots and High Tech** \$160 **TICKET** Limit 25
Katherine Freund, Independent Transportation Network
Ernest K. Ott, ESRI, Inc.

Thousands of towns and cities across the United States are developing community-based, volunteer transportation services for seniors who have stopped or limited their driving. Facing the same logistical and resource difficulties as larger transit providers, these small, community-based systems rely upon old-fashioned paper and pencil technology. Their low-tech approach provides high-quality, but inefficient, limited service far below the level of current demand and inadequate to the swelling need of baby boomers. This workshop will demonstrate how information system technology can be used to create efficiency for senior transportation at all levels, especially community-based services that rely heavily on volunteer drivers. Participants will help develop problem statements for consumer and provider needs in transporting the elderly, including such issues as escorted service, assistive devices, dementia, scheduling return trips, on-demand service, shared rides, repeating rides, volunteer availability, variations in vehicles, service animals, and empty vehicles. Speakers will then describe low-tech and high-tech approaches to solving these problems.

- 131 Cross-Modal Application of Work Analysis and Information Display Strategies** \$160 **TICKET** Limit 25
John D. Lee, University of Iowa

Many advances have been made in identifying and providing information to operators, but best practices are needed to ensure that the right information is presented at the right time so not to interfere with other functions of operators or others involved. The classic case in ship accidents, the *Andrea Doria* and the *Stockholm*, occurred after the introduction of radar and is classified as a radar-assisted accident. Ship navigation standards now are set for the use of transponders; a TRB Marine Board study examined how information should be pre-

sented on electronic charts used by ships officers. In automobiles, placing real-time information in the windshield is a possibility, as are adding intelligent signs to highways and conveying information through seats. In examining best practices, this workshop will present two emerging design approaches—contextual design and cognitive work analysis—and will explore applications to multiple application domains.

- 132 Driver Models: Design, Integration, Applications** \$160 **TICKET** Limit 25
Delphine Cody, University of California–Berkeley
Tim Gordon, University of Michigan Transportation Research Institute

Driver models take a variety of forms, depending upon the field in which they are developed (e.g., traffic engineering, psychology, and artificial intelligence), the phenomena they represent (e.g., driver behavior or information processing), and their application (e.g., traffic simulation and intelligent transportation system design or implementation). This workshop will review a wide range of models across these disciplines, provoking a shared understanding of their characteristics. Participants will work to identify a road map of research needs and a framework for future model development. Presentations and discussions will focus on the design and application of cognitive and driver behavior models, including the integration of fundamental models, calibration and validation of models through data collection, simulation of driver cognitive processing, and real-time identification and interpretation of driver behavior. Participants also will discuss the integration of cognitive and behavior models in broader simulation frameworks, including level of granularity and traffic and driver simulation.

- 133 Evaluating and Assessing Safety Education Program Impacts: A Benefit to All Modes** \$160 **TICKET** Limit 25
Michael Coplen, Federal Railroad Administration
Christopher D. Nelson, RAND Corporation

Education programs often are implemented to address perceived problems in the workforce—human fatigue is one of the more pervasive and crosscutting in the transportation field. Without the necessary up-front planning, the ability to evaluate the effectiveness of this training is often seriously compromised. This workshop will present the fundamental tools and methodologies for evaluating safety-related education programs (e.g., fatigue management, substance use, and similar programs) in any modal setting.

- 134 Maximizing Safety, Efficiency, and Quality of Life: Linking the Work and Off-Work Conditions for Transportation Workers Through the Application of Human Behavioral Science** \$160 **TICKET** Limit 25
Alexander C. Landsburg, U.S. Maritime Administration
Reginald McKamie, U.S. Maritime Administration

Various lifestyle issues are affected by nonstandard work schedules in the transportation field. Traditionally, major emphasis was placed on setting hours of service and developing work schedules to improve worker safety and productivity; however, a worker’s lifestyle away from the job also plays a significant

role in overall performance. Jobs with changing or rotating shift schedules or unreliable start and finish times create human factors problems, resulting in physical, mental, and social challenges for workers. This workshop will focus holistically on designing and improving work and off-work lifestyles for workers, which in turn improves safety, efficiency, and quality at the workplace. The workshop will apply a mix of behavioral science tools and sociological techniques to address the entire problem, not just specific elements. Business management has advanced some of these methodologies, but a theory-X style of management has yet to be achieved.

- 135 Should Teenage Drivers Be Electronically Monitored?** \$160 **TICKET**
Limit 25
 Ronald R. Knipling, Virginia Tech Transportation Institute
 Max Donath, University of Minnesota

Teenage drivers—especially males—have the highest crash and fatal crash rates of all driver demographic groups. Their driving is characterized by both inadvertent mistakes and willful misbehaviors, including speeding, tailgating, red light running, drunk driving, and non-use of safety belts. Teenage drivers' self-perceptions of their driving skill and assessments of safety risks may contribute to overconfidence and risk taking. Graduated driver licensing programs have had some success by enabling teens to gain experience progressively and by indirectly measuring their performance in terms of violations and crashes. On-board electronic monitoring devices could further enhance their safety by directly measuring and recording safety-critical driving behaviors, such as belt use, speeding, acceleration, and tailgating. The technology might encourage more careful driving by providing the information to parents, licensing authorities, or insurance companies. This workshop will address numerous questions and develop concepts and plans for future research and development of this technology application.

- 136 Slowing Drivers Down: What Works? What Doesn't?** \$160 **TICKET**
Limit 25
 Alison Smiley, Human Factors North, Inc.
 Kay Fitzpatrick, Texas Transportation Institute

The repeal of the U.S. minimum speed limit has resulted in increased speeds on highways, which impact crash severity. At the same time, local authorities are interested in lowering speeds on residential streets. This workshop will discuss human factors, traffic engineering, and highway design approaches for reducing speed. Speakers will address the impacts of speed limit and speed advisory signs, lateral lane markings, rumble strips, and road design; the potential use of variable speed control and automated enforcement; the perceptual cues that drivers use to estimate speed; and the locations where speed management treatments are effective or not effective. Participants will discuss current state of the art in speed management and potential innovative approaches.

- 137 The Development of Standardized Descriptions of Driving Simulator Scenarios: Human Factors Considerations** \$160 **TICKET**
Limit 25
 Donald Lloyd Fisher, University of Massachusetts
 Ronald R. Mourant, Northeastern University
 Matthew Rizzo, University of Iowa

Driving simulator scenarios are becoming key elements in state and federal efforts to probe (1) the efficacy of novice and older

driver training programs, (2) the capability of driving inpatients with performance declines due to aging and mild cognitive impairment, traumatic brain injury, neurodegenerative disorders, and sleep disturbances, and (3) the acute and chronic effects of medications. To make meaningful comparisons among research studies conducted on differing platforms, it is essential that the critical elements of the scenarios that affect human performance not vary—although the scenarios are implemented on simulators that depend on very different hardware, visual database and scenario development tools, image rendering software, and data collection systems. This workshop will identify these critical elements and determine the level of specification necessary to ensure that these critical elements do not vary across platforms. A web-based document will be developed that can serve as the basis for further discussion on how to standardize the definition of simulator scenarios.

- 138 The World's Biggest Safety Problem: Improving Pedestrian Safety** \$160 **TICKET**
Limit 25
 James R. Sayer, University of Michigan
 Transportation Research Institute (UMTRI)
 Michael J. Flannagan, UMTRI

Pedestrian risk of injury or fatality from motor vehicle accidents is heavily overrepresented at night. The implementation of appropriate countermeasures, such as retroreflective markings, roadway engineering improvements, and advanced forward lighting in vehicles, depends upon the ability and willingness of communities to take action. While risks to pedestrians are highest in developing countries, industrialized nations are more likely to carry out the most promising countermeasures. This workshop will provide an overview of the pedestrian injury–fatality problem in the United States and abroad and will discuss potential countermeasures for pedestrians, vehicles, and infrastructure.

- 150 Proposed Changes to the AASHTO Load and Resistance Factor Design Structural Foundation Specification** \$25 **TICKET**
Limit 60
 Sunday, January 9 • 1:30 p.m.–5:00 p.m.
 Marriott
 Advance registration required

A cooperative team of specialists from the American Association of State Highway and Transportation Officials (AASHTO), Federal Highway Administration, and geotechnical and structural consulting firms have put together proposed changes to the AASHTO Load and Resistance Factor Design Structural Foundation Specifications. The version substantially improves upon the structural and geotechnical aspects of spread footings, driven piles, and drilled shafts. Adoption is anticipated at the 2005 meeting of the AASHTO Subcommittee on Bridges and Structures. This workshop will address the proposed changes, the basis for the changes, and future changes to geotechnical items such as soil nailing and reinforced soil slopes. The earth retaining structures sections of the specifications were updated previously through several National Cooperative Highway Research Program projects.

Hotel Accommodations



Hotel rooms sell out quickly. Telephone, fax, or mail the enclosed Hotel Reservation Form to the hotel of your choice. Reservations can be made online. All hotels have online registration available.

Marriott Wardman Park Hotel

2660 Woodley Road, NW, Washington, DC 20008
Reservations 202-328-2900, fax 202-387-5397
marriott.com/wasdt
Group code: trbtrba
 Guest phone 202-328-2000; guest fax 202-234-0015

Omni Shoreham Hotel

2500 Calvert Street, NW, Washington, DC 20008
Reservations 202-234-0700, 1-800-THE-OMNI,
fax 202-756-5145
[link from TRB.org/meeting](http://link.from.TRB.org/meeting)
 Guest phone 202-234-0700; guest fax 202-265-7972

Hilton Washington Hotel

1919 Connecticut Avenue, NW, Washington, DC 20009
Reservations: 202-797-5820, 1-888-DC-HILTON,
fax 202-797-5755
www.Washington.Hilton.com
Group code: TRB
 Guest phone 202-483-3000; guest fax 202-232-0438

Make reservations as early as possible at the Connecticut Avenue Collection hotels, which frequently have all rooms booked by October for the TRB Annual Meeting. If all rooms are booked, ask the hotel reservationist to place your reservation on a wait list; reservationists also will provide information about overflow accommodations. (Look for the list of overflow hotels on the website, TRB.org/meeting, when the three hotels have sold out.)

Reservations are processed in the order received. The TRB Annual Meeting group rate is \$166 single and \$186 double until December 13, 2004. Each additional person in a room (after the first two) is \$25; children under 18 stay free. Rates do not include the current 14.5% Washington, D.C., hotel tax. The hotels may not be able to provide rooms at the group rate after December 13.

Reservations must be guaranteed for arrival with a first night deposit, charged to your credit card when the hotel reservation is made. The group rate also is offered for extended stays based on availability. Check-in time is 3:00 p.m.; check-out time is noon.

Cancellations

Don't be a "no show." If a reservation is canceled in time, another registrant can use your hotel room. Deposits on guaranteed reservations canceled 72 hours before arrival are fully refundable. When canceling a reservation by telephone, record the date, the cancellation number, and the name of the person accepting the cancellation. TRB staff cannot make, change, or cancel reservations but will be available to assist after the meeting if you encounter difficulty receiving a refund and if records of the cancellation information are available.

Transportation to Hotels

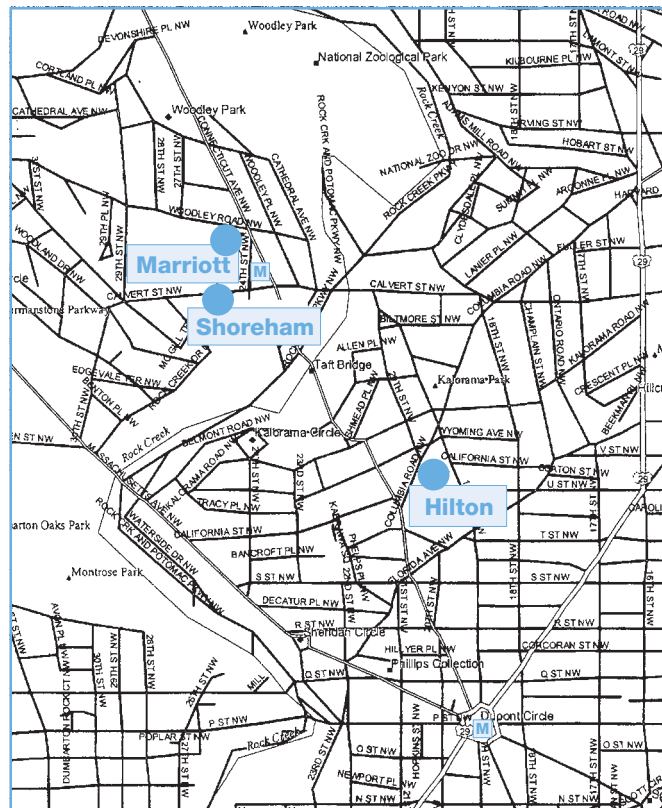
Ronald Reagan National Airport (DCA)	8 miles (13 km)/20 min* away; Metro (subway) is accessible, airport shuttle is \$10, and a taxi is approximately \$18 one way.
Dulles International Airport (IAD)	30 miles (48 km)/50 min* away; airport shuttle is \$34, and a taxi is approximately \$50 one way.
Baltimore-Washington International Airport (BWI)	45 miles (72 km)/1.25 hr* away; airport shuttle is \$44, and a taxi is approximately \$65 one way. MARC from BWI to Union Station (40 min) is \$6 one way; Metrobus B30 is \$2 one way to Greenbelt Metro station.
Union Station	25 min* by Metro or taxi.

* Add at least 20 min to taxi and airport shuttle trip times during peak hours. Taxis have higher peak-hour fares.

TRB Shuttle



Complimentary shuttle service operates approximately every 20 minutes between the Marriott, Shoreham, and Hilton hotels for Annual Meeting registrants. Shuttles are wheelchair accessible.



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Hotel Reservation Form



TRANSPORTATION RESEARCH BOARD

84th Annual Meeting

Sunday, January 9–Thursday, January 13, 2005

**Receipt Deadline:
December 13, 2004**

Space is limited, and reservations are processed in the order received.

Mail confirmation to (please type or print):

Name _____
Last/Family *First & Middle Initial*

Organization _____

Address _____

City _____ State/Province _____ Zip/Postal Code _____

Telephone () _____ Fax () _____ Country _____

E-mail _____

ARRIVAL: Day _____, January _____, 2005 Time _____ : _____ a.m. p.m.

DEPARTURE: Day _____, January _____, 2005 Time _____ : _____ a.m. p.m.

ROOM TYPE: \$166 Single Occupancy*
 \$186 Double Occupancy*, sharing with _____

Call hotel to receive Towers and/or suite information
*plus 14.5% D.C. hotel tax. Additional persons (after two) are \$25 each.

SPECIAL REQUESTS (bed size, no smoking, accessibility needs, etc.): _____

REQUIRED DEPOSIT (taxes included):

Deposit per room required (\$190 single, \$216 double) x number of rooms _____ = \$ _____

Enclosed first night deposit payable to the hotel by:

CHECK or VISA MASTERCARD AMERICAN EXPRESS DINERS CLUB DISCOVER

Card # _____ Expiration ____ / ____ Signature _____

The deposit will be charged to your credit card when hotel reservation is made. Check-in time is 3:00 p.m.; check-out time is noon. If your plans to attend the Annual Meeting change, please remember to cancel your meeting registration and hotel reservation. Deposits on guaranteed reservations canceled 72 hours before arrival are fully refundable. Deposit will be forfeited if you are a “no show” or if cancellation notice is not received more than 72 hours before arrival date.

Complete all information and telephone or fax to your preferred hotel by December 13, 2004:

Marriott Wardman Park Hotel
2660 Woodley Road, NW
Washington, DC 20008
202-328-2900
Reservations Fax 202-387-5397
marriotthotels.com/wasdt
Group code: trbrba

Omni Shoreham Hotel
2500 Calvert Street, NW
Washington, DC 20008
202-234-0700, 1-800-THE-OMNI
Reservations Fax 202-756-5145
Link from TRB.org/meeting

Hilton Washington Hotel
1919 Connecticut Avenue, NW
Washington, DC 20009
202-797-5820, 1-888-DC-HILTON
Reservations Fax 202-797-5755
www.Washington.Hilton.com
Group code: TRB



Sunday, January 9

8 a.m. _____
9 a.m. _____
10 a.m. _____
11 a.m. _____
Noon _____
1 p.m. _____
2 p.m. _____

3 p.m. _____
4 p.m. _____
5 p.m. _____
6 p.m. _____
7 p.m. _____
8 p.m. _____
9 p.m. _____

Monday, January 10

8 a.m. _____
9 a.m. _____
10 a.m. _____
11 a.m. _____
Noon _____
1 p.m. _____
2 p.m. _____

3 p.m. _____
4 p.m. _____
5 p.m. _____
6 p.m. _____
7 p.m. _____
8 p.m. _____
9 p.m. _____

Tuesday, January 11

8 a.m. _____
9 a.m. _____
10 a.m. _____
11 a.m. _____
Noon _____
1 p.m. _____
2 p.m. _____

3 p.m. _____
4 p.m. _____
5 p.m. _____
6 p.m. _____
7 p.m. _____
8 p.m. _____
9 p.m. _____

Wednesday, January 12

8 a.m. _____
9 a.m. _____
10 a.m. _____
11 a.m. _____
Noon _____
1 p.m. _____
2 p.m. _____

3 p.m. _____
4 p.m. _____
5 p.m. _____
6 p.m. _____
7 p.m. _____
8 p.m. _____
9 p.m. _____

Thursday, January 13

8 a.m. _____
9 a.m. _____
10 a.m. _____
11 a.m. _____
Noon _____

1 p.m. _____
2 p.m. _____
3 p.m. _____
4 p.m. _____
5 p.m. _____

Transportation Research Board

84th Annual Meeting • January 9–13, 2005

REGISTRATION FORM

ADVANCE DEADLINE: NOVEMBER 30, 2004

Please print. Duplicate form for additional registrants. Confirmation will be sent within two weeks—if not received, call 301-694-5243.

Last / Family Name

First

Title

Nickname

Telephone

Fax

Organization

Address

City

State/Province

Zip/Postal Code

Country

e-mail

Mentee Last / Family Name


Mentee First

Mentee Nickname

Mentee e-mail

I. Registration Fees (Must select one):	Advance (By November 30)	After November 30 and On Site
<input type="checkbox"/> A. TRB Individual Affiliate	\$255	\$420
<input type="checkbox"/> B. Non-Member ¹	\$395	\$605
One Day Registration (Select One)	\$205	\$330
<input type="checkbox"/> C1. SUN <input type="checkbox"/> C2. MON <input type="checkbox"/> C3. TUE <input type="checkbox"/> C4. WED		
<input type="checkbox"/> D1. TRB Executive Committee	No Fee	No Fee
<input type="checkbox"/> D2. Emeritus Member		
<input type="checkbox"/> D3. Chair: TRB Council, Section, Committee, or Task Force		
<input type="checkbox"/> D4. Chair: NCHRP/TCRP Panel		
<input type="checkbox"/> E1. Member: TRB Council, Section, Committee, or Task Force		
<input type="checkbox"/> E2. Member: NCHRP/TCRP Panel	\$195	\$305
<input type="checkbox"/> F. Program Participant	\$195	\$305
<input type="checkbox"/> G. TRB-Appointed University/Transit Representative ²	No Fee	No Fee
<input type="checkbox"/> H. Sustaining/Organizational Affiliate ²	No Fee	No Fee
<input type="checkbox"/> I. Employee of TRB Sponsor ²	No Fee	No Fee
<input type="checkbox"/> J. TRB Student Affiliate	\$25	\$35
<input type="checkbox"/> K. Student (full time) ¹	\$90	\$100
<input type="checkbox"/> L. Mentee (under 30 years old) ³	\$195	\$305

¹ Become a TRB affiliate (select M1–M4) by November 30 and pay the lower registration fee.
² Must receive special notice from TRB to qualify.
³ Must be from the same organization as and register with A–H registrant to qualify.

 If you have a disability that requires special accommodation, please describe: _____

III. Organizational Type (check only one)

U.S. Registrants

1. U.S. DOT
 2. Other Federal Agency
 3. State Transportation Department
 4. Other State Agency
 5. Local or Regional Government Agency (city or county)
 6. University/University-Based Research
 7. Consultant/Contractor
 8. Industry/Commercial
 9. Association/Non-Profit
 10. Other (specify) _____

International Registrants

11. Government
 12. Nongovernment

IV. Optional Information (check all that apply)

1. Male 2. Female 3. New Attendee 4. Minority

II. Optional Fees/Attendance		
TRB Individual Affiliate Membership		
<input type="checkbox"/> M1. Within North America	\$78	\$ _____
<input type="checkbox"/> M2. Outside North America	\$99	\$ _____
<input type="checkbox"/> M3. Student (Within North America)	\$51	\$ _____
<input type="checkbox"/> M4. Student Affiliate (Outside North America)	\$64	\$ _____
<input type="checkbox"/> M5. Chairman's Luncheon Quantity _____ x	\$55	\$ _____
<input type="checkbox"/> M6. Annual Meeting CD-ROM (additional) Quantity _____ x	\$60	\$ _____
Human Factors Workshops (Select One)		
<input type="checkbox"/> 130 <input type="checkbox"/> 133 <input type="checkbox"/> 136		
<input type="checkbox"/> 131 <input type="checkbox"/> 134 <input type="checkbox"/> 137		
<input type="checkbox"/> 132 <input type="checkbox"/> 135 <input type="checkbox"/> 138	\$160	\$ _____
<input type="checkbox"/> 150. AASHTO LRFSD Structural Foundation Specification Workshop	\$25	\$ _____
<input type="checkbox"/> New and Young Attendees (< age 30) Welcome Session/Reception, Sunday, 4:30 p.m.	No Fee	
Total (transfer to Payment)		\$ _____

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