

## Building Partnerships for Progress Through Transportation Research

**1** Paul Brubaker (*center*), Research and Innovative Technology Administration (RITA), fields a question during the spotlight session, Dialogue with the U.S. DOT: Reforming Federal Transportation Policies and Programs, surrounded by (*left to right*) Brian McLaughlin, National Highway Traffic Safety Administration; Krista Edwards, Pipeline and Hazardous Materials Safety Administration; Collister (Terry) Johnson, Jr., St. Lawrence Seaway Development Corporation; and Tyler Duvall, U.S. Department of Transportation (DOT).

**2** A special delegation of Iraqi transportation officials, led by Construction and Housing Minister Bayan Dezei (*seventh from right*), visited the TRB Annual Meeting, welcomed by former U.S. Secretary of Transportation Norman Y. Mineta (*fourth from left*); 2008 TRB Executive Committee Chair Debra L. Miller (*fifth from right*), Secretary of Kansas DOT; and Joseph S. Toole (*right*), Federal Highway Administration (FHWA).

Approximately 10,500 transportation researchers, practitioners, and administrators representing government, industry, and academia from the United States and abroad gathered in Washington, D.C., January 13–17, 2008, to participate in the 87th Annual Meeting of the Transportation Research Board. The five-day program offered attendees a variety of opportunities for networking with peers, information sharing, and interaction through more than 3,000 presentations in more than 567 sessions; 86 specialty workshops; 436 meetings of committees, subcommittees, and task forces; and many additional events. Featured for the first time were commercial exhibitors, with more than 170 booths in the



expanded exhibit halls showcasing transportation-related products and services alongside displays by TRB sponsors.

The meeting's spotlight theme, Partnerships for Progress in Transportation, was featured in sessions that crossed all modes and disciplines. Details and highlights appear on the following pages.



Annual Meeting photographs by Cable Risdon Photography

# TRB 2008 ANNUAL MEETING HIGHLIGHTS

## INTERSECTIONS

**1** Georgia Tech students (*left to right*) Yolanda Oliver-Commey, Dorothy Morillos, and Jin Xu consult the 284-page Annual Meeting program.



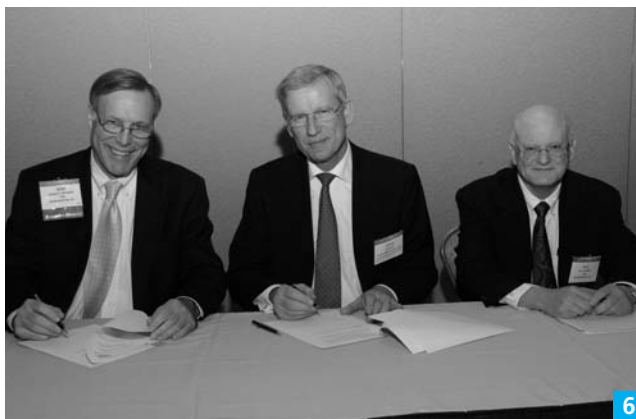
**2** The 87th Annual Meeting included expanded exhibit halls that featured more than 170 commercial companies and TRB sponsors.



**3** Katherine Turnbull (*right*), Texas Transportation Institute (TTI), assists Annual Meeting first-timer Rebekah Gayley, University of Delaware, during the Welcome Session.



**4** Basic Research and Emerging Technologies Related to Concrete Committee Chair Mohammad S. Khan (*left*), Professional Service Industries, Inc., briefs young and new attendees on committee activities.



**5** Incoming Technical Activities Council (TAC) Chair Robert Johns (*right*), University of Minnesota, and Cynthia Burbank, PB, participate in discussion during the TAC meeting, Sunday, January 13.

**6** TRB Executive Director Robert E. Skinner, Jr. (*left*); Joris Al, Director of the Rijkswaterstaat, the national transportation agency of the Netherlands; and Strategic Highway Research Program (SHRP) 2 Director Neil Hawks (*right*), sign an agreement for senior-level loan staff to assist SHRP 2 for one year.



**8** From opening Sunday through closing on Wednesday, the exhibit hall was an active forum for professional networking and information gathering.



## SPOTLIGHT SESSIONS

**1** Patricia Van Gorp, Beacon Associates International, speaks on critical aspects, foundations, and best practices in a session on Context-Sensitive Solutions and Managing Effective Public Involvement.

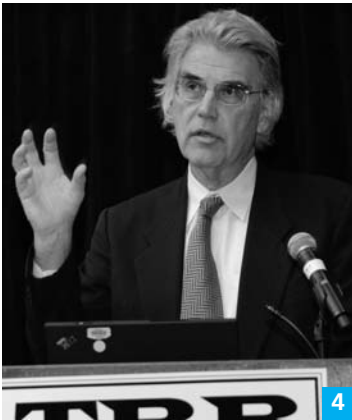
**2** Dan Doctoroff, former Deputy Mayor of the City of New York, gave the keynote presentation at Session 141, Cutting Carbs in the Transportation Sector: International Efforts to Address Global Climate Change.

**3** Lewis Fulton, International Energy Agency, Paris, briefs the Session 141 audience on international energy issues.

**4** Michael Gallis, Michael Gallis & Associates, emphasizes a point during the session on Looking at the Past and Planning for the Future: U.S. Transportation Infrastructure Crisis.

**5** Speakers for Strategic Highway Safety Plans: Status Report included (left to right) Jeff Lindley, FHWA; Lowell Porter, Washington Traffic Safety Commission; Rosemarie Anderson, Delaware Valley Regional Planning Commission; and Leanna Depue, Missouri DOT.

**6** Panelists J. Richard Capka (center), FHWA, and Sherry E. Little, Federal Transit Administration (FTA), look on as Robert Sturgell, Federal Aviation Administration (FAA), responds to a question during the Dialogue with the U.S. DOT: Reforming Federal Transportation Policies and Programs.



**7** Jeffrey N. Shane, U.S. DOT, directs the active discussion during the Dialogue with the U.S. DOT.

**8** FTA Administrator James S. Simpson moderates the session on Transit Investment and Congestion Pricing: Roundtable of Transit Role in Congestion Management.

**9** Khani Sahebjam, Minnesota DOT, participates in a panel on the Interstate 35W Bridge Project: Design-Build in an Emergency.



# TRB 2008 ANNUAL MEETING HIGHLIGHTS

## SESSIONS AND WORKSHOPS

**1** Planning committee for the Human Factors in Transportation Workshops.



**2** Thomas Sheridan, Volpe National Transportation Systems Center, presents the Human Factors in Transportation Workshops keynote address.



**3** Michael Culmo, CME Associates, Inc., offers the latest news on Connection Details for Prefabricated Bridge Elements and Systems.



**4** Emil Frankel (left), Bipartisan Policy Center, considers a response from Tyler Duvall, U.S. DOT, during the workshop, Emerging Debate About New Systems for Transportation Finance.

**1** (*Human Factors in Transportation Workshops Planning Committee, front row, left to right:*) Jerry Wachtel, The Verizon Group, Inc.; Michael Perel, National Highway Traffic Safety Administration; Neal Lerner, Westat; Suzanne E. Lee, Virginia Polytechnic Institute and State University (Virginia Tech) Transportation Institute; Gregory W. Davis, Turner–Fairbank Highway Research Center, FHWA; Alex Landsburg, Computer Sciences Corporation; (*back row, left to right*) Daniel V. McGehee, Human Factors and Vehicle Safety Public Policy Center, University of Iowa; Fred R. Hanscom, Transportation Research Corporation; Helmut T. Zwahlen, Ohio University; Group Chair Thomas Raslear, Federal Railroad Administration; Christopher Monk, George Mason University; Richard Pain, TRB.



**5** Deborah Freund, Federal Motor Carrier Safety Administration (FMCSA), contributes to a workshop discussion of strategies for involving stakeholders in evaluation throughout the research and development cycle.



**6** Consultant Donald R. Trilling speaks on the development of TRB Special Report 218, *Transportation in an Aging Society*, during a two-part session marking the 20th anniversary of the report.



**7** Rollin Hotchkiss, Brigham Young University, speaks at a workshop on fish passage at culverts.



**8** Megan L. Smirti, University of California, Berkeley, moderates discussion during Pangs of New York: Reducing Delays at Kennedy, LaGuardia, and Newark Airports.



**9** Christopher Flanigan, FMCSA, responds to a question about the agency's analysis, research, and technology programs.





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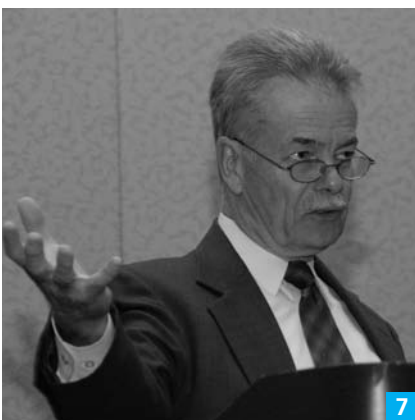
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**7** Will Kempton, California DOT, delivers the opening remarks at a session on the Highway Trust Fund.

**8** A. Keith Turner, Colorado School of Mines, engages audience members on Rock Fall Evaluation and Control.



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## SESSIONS AND WORKSHOPS

(continued)

**1** Michael F. Monteleone, Louis Berger Group, explains conclusions from a simulation of pedestrian traffic at the World Trade Center memorial.

**2** Robert E. Skinner, Jr. (left); New Public Transportation Systems and Technologies Committee Chair Susan Shaheen, University of California, Berkeley (center, right); and Planning and Environment Group Chair Marcy Schwartz, CH2M Hill (right), present a TRB Communications Competition award to Caroline Rodier, Pacbell Mineta Transportation Institute, for Transit Training for Older Travelers.

**3** Poster sessions allowed attendees to have informal but intensive, face-to-face discussions with authors.

**4** Henry G. (Gerry) Schwartz, Jr., formerly of Sverdrup-Jacobs Civil, Inc., presents the conclusions and recommendations from the new policy study from TRB and the NRC Division on Earth and Life Studies on the potential impacts of global climate change on U.S. transportation.

**5** Words of Wisdom: Lessons Learned from Former CEOs of State Departments of Transportation included (left to right) speakers J. Bryan Nicol, Indiana DOT; Bradley Mallory, Michael Baker Corporation; moderator Mara Campbell, Missouri DOT; and Gordon Proctor, Ohio DOT.

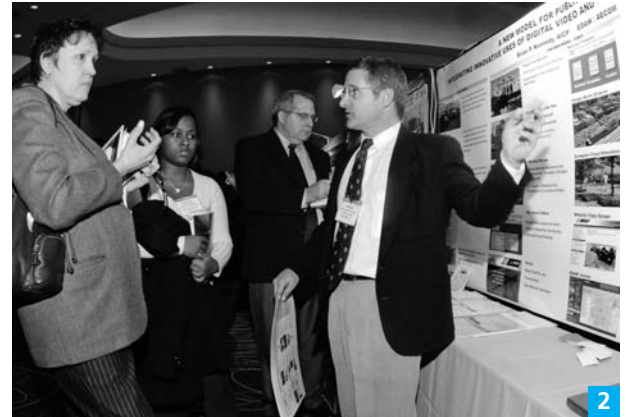
**6** John E. Putnam, Kaplan Kirsch & Rockwell LLP, moderates Shifting into Neutral? Assessing Carbon Offset Programs for Transportation.

# TRB 2008 ANNUAL MEETING HIGHLIGHTS

## SESSIONS AND WORKSHOPS

(continued)

**1** An award for best poster on bituminous materials was presented to Trenton M. Clark (*left*), Virginia DOT, and Kevin McGhee, Virginia Transportation Research Council, by Bituminous Materials Section Chair James S. Moulthrop (*right*), Fugro Consultants.



**2** Brian P. Kennedy, Short Elliott Hendrickson, Inc., explains findings of a study on Integrating Innovative Uses of Digital Video and Interactive Visualization Tools.



**3** Jill Hough, North Dakota State University, details an ecological modeling approach to examining travel behavior of elderly women in rural and small urban areas of North Dakota.

**4** Bicycle Transportation Committee Chair Jennifer Dill (*left*), Portland State University, and Pedestrians and Cycles Section Chair Ann M. Hershfang, America Walks, network at the Feet First Caucus.



**5** Heikki Luomala, Tampere University of Technology, presents findings from a study on the effects of seasonal frost on pavement stiffness in Finland.

**6** (*Left to right*) Ian Hodgson, European Commission; Robert Larson, U.S. Environmental Protection Agency; Al Jessel, Chevron Global Downstream; Dan Sperling, University of California, Davis; and Alex Farrell, University of California, Berkeley, participate in a panel on proposed standards and regulations for low-carbon and renewable fuel.



**7** Maritime and Intermodal Forum participants (*left to right*) Joedy Cambridge, TRB; Pete Swan, Pennsylvania State University; Mary Brooks, Dalhousie University; Paul Bingham, Global Insight, Inc.; Harold Cervany, Tioga Group; Mike Belzer, Wayne State University; Larry Bray, Tennessee Valley Authority; Jeanne Beckett, Port of Tacoma; Bob Doll, TRANSYS Associates; Thomas Wakeman, Stevens Institute of Technology; Jon Meyer, CSX Transportation; Thera Black, Thurston Regional Planning Council; and Elaine King, TRB.



## COMMITTEE MEETINGS

**1** International Activities Committee Chair Jorge Prozzi (*left*), University of Texas, Austin, and Alejandra Medina, Virginia Tech, present a certificate of appreciation to Maryvonne Plessis-Fraissard (*right*), The World Bank.

**2** Vehicle User Characteristics Committee Chair Leo Tasca (*left*), Ontario Ministry of Transport, considers a statement by John Campbell, Battelle Memorial Institute, during committee proceedings.



**3** The Native American Transportation Issues Committee reviews research and practice related to transportation on or near tribal lands and communities and affecting tribal historical and cultural properties.

**4** Design Section Chair Elizabeth Hilton, Texas DOT, hears reports on committee activities and plans for the year.



**5** Surface Transportation Weather Task Force Chair Wilfrid A. Nixon, University of Iowa, presents the meeting agenda; the group officially became a TRB standing committee in March.

**6** Outgoing Chair of the Emerging Technology for Design and Construction Committee Richard G. Griffin (*left*), Colorado DOT, receives a certificate of appreciation from Section Chair Steven D. DeWitt, North Carolina Turnpike Authority.



**8** Members of the Local and Regional Rail Freight Transport Committee took a creative approach to Annual Meeting transportation and housing by hiring a private passenger car, which traveled from New York to Washington, D.C., attached to an Amtrak train.

**9** The private passenger car parked at Union Station during the Annual Meeting, before making the return trip to New York.



**7** Edward Beimborn, University of Wisconsin, Milwaukee, participates in discussion during the organizational meeting of the Energy–Climate Change Task Force.

# TRB 2008 ANNUAL MEETING HIGHLIGHTS

## EXHIBITS

**1** The Lambda Tech International booth offers information on the latest in Global Positioning System technology with data collection, display, and processing systems.



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**2** A meeting attendee receives instruction before trying out the National Advanced Driving Simulator provided by the University of Iowa.



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**3** Caroline Donohoe assists a participant with a train simulator showcased at the Research and Innovative Technology Administration's Volpe National Transportation Center booth.



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**4** The Cardinal Systems, LLC, booth features an interactive demonstration of the latest in photogrammetric and virtual reality mapping software for the transportation industry.



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## CHAIRMAN'S LUNCHEON AND AWARDS

**5** Shirley DeLibero, DeLibero Transportation Strategies, received the Sharon D. Banks Award for Innovative Leadership in Transportation. Cited were her ability to lead, motivate, empower, and mentor people at all levels of the public transportation industry.



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**6** Alan E. Pisarski was presented the W. N. Carey, Jr., Distinguished Service Award in recognition of 30 years of leadership on a variety of committees, panels, and task forces across the spectrum of TRB, particularly in data-related issues.



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**7** Former TRB Cooperative Research Programs Director Robert J. Reilly was honored with the Roy W. Crum Distinguished Service Award for outstanding leadership in transportation research management.



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**8** Robert Land, Senior Vice President for Government Affairs, JetBlue Airways, was the featured speaker at the Chairman's Luncheon, addressing a capacity audience.



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**9** Executive Committee Chair Linda S. Watson, LYNX-Central Florida Regional Transportation Authority, introduces visiting dignitaries during the Chairman's Luncheon.



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## DISTINGUISHED LECTURE AND AWARDS FOR OUTSTANDING PAPERS

**1** Matthew W. Witzak, Arizona State University, delivers the Thomas B. Deen Distinguished Lecture, focusing on pavement performance research implementation.

**2** Technical Activities Council Chair Neil J. Pedersen (*far left*), Maryland State Highway Administration, and TRB Executive Committee Chair Linda S. Watson (*far right*) present the Charley V. Wootan Award for best paper in policy and organization to Abolfazl Mohammadian (*left*) and Yongping Zhang, University of Illinois, Chicago.



**3** Also receiving a Charley V. Wootan Award for best paper in policy and organization are (*left to right*) Michael L. Pack, Phillip Weisberg, and Sujal Bista, University of Maryland, College Park.



**6** D. Grant Mickle Award recipients (*left to right*) Conrad L. Dudek, Texas A&M University; Brooke R. Ullman, TTI; and Steven D. Schrock, University of Kansas, share in the D. Grant Mickle Award for outstanding paper in the operation and maintenance of transportation facilities.



**4** Coauthors (*left to right*) Rachel B. Copperman and Chandra R. Bhat, University of Texas, Austin, and Jessica Y. Guo, University of Wisconsin, Madison, share in the Pyke Johnson Award for outstanding paper in transportation systems planning and administration.

The Fred Burggraf Award recognizes outstanding papers by young researchers:

**7** In planning and development, Abolfazl Mohammadian (*left*) and Taha H. Rashidi, University of Illinois, Chicago; and

**8** In design and construction, Stacy G. Williams, University of Arkansas, Fayetteville.



**5** Samuel Labi, Purdue University (*left*), and Chuanxin Fang, Applied Research Associates, receive the K. B. Woods Award for outstanding paper in the design and construction of transportation facilities.

## Executive Committee Gains New Officers, Members

**D**ebra L. (Deb) Miller, Secretary of the Kansas Department of Transportation (DOT), is the 2008 Chair of the TRB Executive Committee, succeeding Linda S. Watson. Vice Chair for 2008 is Adib K. Kanafani, Edward G. and John R. Cahill Professor of Civil Engineering at the University of California, Berkeley (UCB).

Miller took the reins at Kansas DOT in 2003 after four years with HNTB, a nationwide firm of architects, engineers, and planners, where she provided strategic planning and public communication assistance to state DOTs and municipalities. From 1986 to 1997, she was Director of the Division of Planning and Development at Kansas DOT.

Miller was a member of the National Research Council (NRC) committee that produced the 1996 TRB policy study report, *Paying Our Way: Estimating Marginal Social Costs of Freight Transportation*.

She chaired the National Cooperative Highway Research Program Project Panel on Commuting in America III and is active on several other TRB committees. She is a graduate of Kansas State University.



Miller

Kanafani joined the UCB faculty in 1970 and has taught and conducted research on transportation systems, transportation engineering, airport planning and design, and air transport economics. He has made major contributions to air transport demand analysis, airport capacity analysis methods, and airline network analysis. In 1997 he founded and codirected the National Center of Excellence in Aviation Operations Research at UCB. He was director of the university's Institute of Transportation Studies from 1983 to 1998 and subsequently chaired the Department of Civil and Environmental Engineering.

Kanafani was elected to the National Academy of

## Long-Term Committee Leaders Achieve Emeritus Status

**T**RB awarded emeritus membership to 16 individuals at the 2008 Annual Meeting, honoring significant, long-term contributions and outstanding service on technical activities committees. The honorees and their committees are listed below.

**Vivek D. Bhise**  
Simulation and Measurement of Vehicle and Operator Performance Committee

**John P. Broomfield**  
Corrosion Committee

**Nicolaas F. Coetzee**  
Full-Scale and Accelerated Testing Committee

**Robert B. Dial**  
Transportation Network Modeling Committee

**John W. Eberhard**  
Safe Mobility of Older Persons Committee

**Wolfgang S. Homburger**  
Transit Capacity and Quality of Service Committee

**Lynne H. Irwin**  
Strength and Deformation Characteristics of Pavement Sections Committee

**Gihon Jordan**  
Pedestrians Committee



Pedestrians Committee Chair Ronald G. Van Houten (*left*), Western Michigan University, presents an Emeritus Membership certificate to Gihon Jordan, consultant.

**Herbert S. Levinson**  
Transit Capacity and Quality of Service Committee

**Hani S. Mahmassani**  
Transportation Network Modeling Committee

**Lance A. Neumann**  
Transportation Programming, Planning, and Systems Evaluation Committee

**Leland D. Smithson**  
Winter Maintenance Committee

**Peter R. Stopher**  
Travel Survey Methods Committee

**John H. Suhrbier**  
Transportation and Air Quality Committee

**Vukan R. Vuchic**  
Intermodal Transfer Facilities Committee; Light Rail Transit Committee

**Philip L. Winters**  
Transportation Demand Management Committee

Engineering in 2002. He has received many awards, including the James Laurie Prize of the American Society of Civil Engineers in 2000. He has been active on TRB committees since the mid-1970s. Kanafani earned master's and doctoral degrees from UCB and a bachelor's degree in engineering from the American University of Beirut.

Watson, who is CEO of LYNX—Central Florida Regional Transportation Authority, will continue to serve on the Executive Committee through 2010 and is a member of the Subcommittee for NRC Oversight.

Newly appointed to the Executive Committee are William A. V. Clark, Professor of Geography, University of California at Los Angeles; David S. Ekern, Commissioner, Virginia DOT; Jeffrey W. Hamiel, Executive Director, the Metropolitan Airports Commission, Minneapolis—St. Paul, Minnesota; Edward A. (Ned) Helme, President and founder, Center for Clean Air Policy, Washington, D.C.; Will Kempton, Director, California DOT; Susan Martinovich, Director, Nevada DOT; and Neil J. Pedersen, Administrator, Maryland DOT State Highway Administration.

## EXECUTIVE COMMITTEE

**1** Chair Linda S. Watson guides the Executive Committee through its agenda.

**2** Debra L. Miller succeeded Watson as Chair on January 17.

**3** Adib Kanafani, University of California, Berkeley, was named Executive Committee Vice Chair for 2008.

**4** Robert E. Skinner, Jr., reports on the operating status and recent achievements of TRB and the prospects for the coming year.

**5** Members of the congressionally established National Surface Transportation Policy and Revenue Study Commission made a special presentation to the TRB Executive Committee, offering insights and answering questions (*left to right*): Tom Skancke, Steve Heminger, Vice Chair Jack Schenendorf, Frank Busalacchi, Rick Geddes, and Paul Weyrich. Frank McArdle (*not pictured*) also participated in the briefing.

The Executive Committee policy session on public-private partnerships and social equity featured four guest speakers:

**6** Jeffrey Buxbaum, Cambridge Systematics;

**7** Past Executive Committee Chair Martin Wachs, RAND Corporation;

**8** Peter J. Rickershauser, BNSF Railway Company; and

**9** Robert Poole, Jr., Reason Foundation.



# TRB 2008 ANNUAL MEETING HIGHLIGHTS

## EXECUTIVE COMMITTEE

(continued)

**1** Sandra Rosenbloom, University of Arizona, who served as rapporteur for the policy session, presents a summary of the discussion and possible directions for TRB.



**1**

**2** John C. Horsley, American Association of State Highway and Transportation Officials, offers insights into legislative activity on Capitol Hill.



**2**



**3**

**3** C. Michael Walton, University of Texas, comments on the report of the Subcommittee for NRC Oversight, which he chairs.



**4**

New members participating in the Executive Committee discussions included

**4** Susan Martinovich, Nevada DOT;

**5** LeRoy Gishi, Bureau of Indian Affairs;



**5**



**6**

**6** William A. V. Clark, University of California, Los Angeles; and

**7** Edward A. (Ned) Helme (left), Center for Clean Air Policy, with Michael Trentacoste, FHWA.



**7**

Also among the many contributors to the meetings were

**8** John D. Bowe (left), API Limited, and Angela Gittens, HNTB Corporation;



**8**

**9** Joseph H. Boardman, Federal Railroad Administration; and

**10** Nicholas J. Garber, University of Virginia.

**11** TRB Technical Activities Director Mark Norman (left), with Meetings Director Linda Karson, reviews innovations implemented to expand and improve the Annual Meeting program, exhibits, facilities, and operations in 2008.



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