

# TRB 2007 ANNUAL MEETING HIGHLIGHTS

## The Interchange of Transportation Research *Highlights from TRB's 2007 Annual Meeting*



**1** Secretary of Transportation Mary E. Peters (center) takes questions from reporters at a press conference that followed her address at the Chairman's Luncheon on Wednesday, January 24.

**2** Special guest, former Secretary of Transportation Norman Y. Mineta (left) greets National Academy of Engineering President William A. Wulf at the Chairman's Luncheon.

Annual meeting  
photographs by Cable  
Risdon Photography

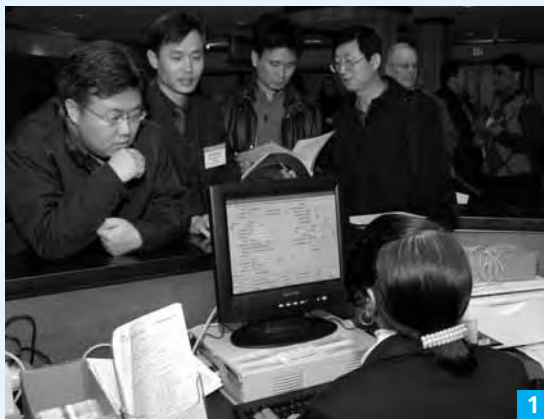
Approximately 10,400 transportation researchers, practitioners, and administrators representing government, industry, and academia from the United States and abroad gathered in Washington, D.C., January 21–25, 2007, to participate in the 86th Annual Meeting of the Transportation Research Board. The 5-day program offered attendees a variety of opportunities for information sharing and interaction with more than 3,000 presentations in nearly 600 sessions; 80 specialty workshops; 350 meetings of committees, subcommittees, and task forces; and many additional events, including a Chairman's Luncheon address by Mary E. Peters, U.S. Secretary of Transportation.

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



## GETTING ACQUAINTED

**1** Conference attendees received prompt attention at the general registration desk.



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**2** Imad Basheer, California Department of Transportation (Caltrans); Jean Landolt, Federal Highway Administration (FHWA); and Nadarajah Sivanewaran, FHWA, pause to consult the 264-page Annual Meeting program between sessions.



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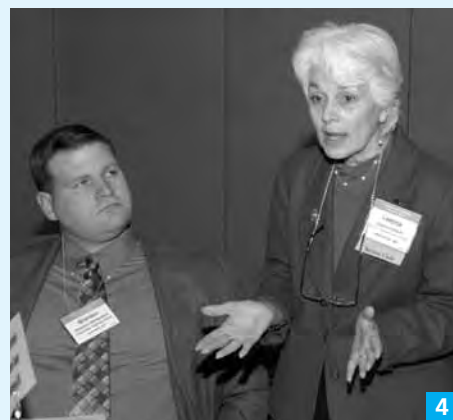
## WELCOME!

**3** Aviation Group Chair James M. Crites, Fort Worth International Airport, assists first-time attendee Silpa Yanduru, Purdue University.



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**4** Leanna Depue, Missouri Department of Transportation (DOT), briefs new and young attendees during the Welcome Session.



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## TECHNICAL ACTIVITIES COUNCIL

**5** Chairs of nine of the groups within the Technical Activities Division coordinate the development of annual meeting program content.



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## SPOTLIGHT SESSIONS

**6** Cing-Dao (Steve) Kan, George Washington University, speaks on Keys to Building a Robust Research Program.



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**7** David King, UCLA, speaks on Meeting the Education and Training Needs of the Transportation Profession. Panel members include (left to right) Martin Richards, Consultant; Gary Thomas, Texas Transportation Institute (TTI); and Melissa S. Tooley, TTI.



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**5** (TAC Council, left to right:) Mark R. Norman, TRB; Robert M. Dorer, Research and Innovative Technology Administration (RITA); Marcy S. Schwartz, CH2M Hill; Paul Bingham, Global Insight Inc.; Arlene L. Dietz, A&C Dietz Associates; Neil Pedersen, Maryland State Highway Administration, Chair; Shelly R. Brown, Shelly Brown Associates; Leland D. Smithson, Iowa DOT; Karla Karash, TranSystems Corporation; L. David Suits, North American Geosynthetic Society; and Robert C. Johns, University of Minnesota. (Not pictured: Leanna Depue and James M. Crites.)





## SPOTLIGHT SESSIONS (continued)

**1** Christopher Kane, Washington Group International, addresses Design-Build Project Delivery in Public-Private Partnerships.

**2** Barbara Martin, BGM Associates, fields questions in the session Building the 21st Century Workforce.

**3** Martin A. Spitzer, Heinz Center for Science, Economics, and the Environment, provides feedback to an audience member during his presentation at the Transportation Information Needs from TRB Standing Committees session.

**4** Jeffrey N. Shane, U.S. DOT, moderated discussion during the U.S. Department of Transportation Dialogue: Congestion and Other Initiatives session.



**5** TRB Executive Director Robert E. Skinner, Jr. (center), tries out Doug MacDonald Challenge winner Paul C. Haase's (left) project on maximizing throughput. Haase was awarded a \$1,000 check by MacDonald (right), Secretary of Washington State DOT, and the TRB Congestion Pricing Committee.



**6** (U.S. DOT representatives, left to right:) Nicole R. Nason, National Highway Traffic Safety Administration; Krista Edwards, Pipeline and Hazardous Materials Safety Administration (PHMSA); J. Richard Capka, FHWA; John H. Hill, Federal Motor Carrier Safety Administration (FMCSA); John A. Bobo, Jr., RITA; and Marion Blakey, Federal Aviation Administration (FAA).

**6** U.S. DOT administrators shared insights and participated in discussion on key transportation issues, including the U.S. DOT Congestion Initiative.



**7** Mohan Gupta, FAA; Darcy Zambiak, Jacobs Conservancy; Lourdes Maurice, FAA; and Ed McQueen, FAA, engage audience members in a dialogue on ways to conduct, assemble, and evaluate research on aviation and the environment.

## SESSIONS AND WORKSHOPS

**1** Structures Section Chair Mary Lou Ralls, Ralls Newman, speaks at a session on the status and future of accelerated bridge construction in the United States.



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**2** Jean-Pierre Medevielle, European Conference of Transport Research Institutes, and Guy Bourgeois, Institut National de Recherche sur les Transports et leur Sécurité, participate in the International Research Roundtable.



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**3** Tom Cherrett, Transportation Research Group, makes a discussion point during a session on urban freight planning.

**4** Planning committee for the 40th Annual Human Factors in Transportation Workshops.



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**5** Alison Smiley, Human Factors North, presents the Human Factors in Transportation Workshops luncheon address.



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**6** Hyun-A Park, Spy Pond Partners, moderates discussion on topics including customers, credibility, finance, and funding in the AASHTO CEO Forum Report.



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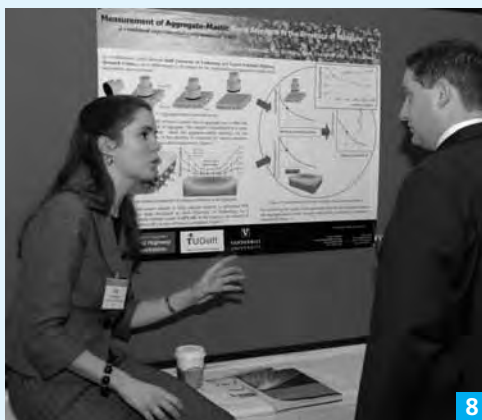
**7** Capacity audiences were common at sessions.

**4** (Human Factors in Transportation Workshops Planning Committee, front row, left to right:) Thomas Raslear, Federal Railroad Administration (FRA); Neal Lerner, Westat; Suzanne E. Lee, Virginia Tech Transportation Institute; Christopher Monk, George Mason University; Gregory W. Davis, Turner-Fairbank Highway Research Center; Richard Pain, TRB; (standing, left to right) Fred R. Hanscom, Transportation Research Corporation; Daniel V. McGehee, Human Factors and Vehicle Safety Public Policy Center; Helmut T. Zwahlen, Ohio University; Alex Landsburg, Computer Sciences Corporation; and Richard P. Compton, National Highway Traffic Safety Administration (NHTSA).



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**8** Niki Kringos, Delft University of Technology, Netherlands, discusses findings of an experimental-computational study to measure aggregate-mastic bond strength in the presence of moisture with Dan Micco, PQ Corporation.



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**9** Poster sessions provided attendees the opportunity to learn about some of the latest research and have one-on-one discussions with authors.



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**1** Shin-Ting (Cindy) Jeng, University of California, Irvine, discusses measurement of freeway corridor performance based on vehicle reidentification with William Johnson, Trends Consulting.

**2** Frederick C. M. Wegman, Netherlands Institute for Road Safety, and Letty Aarts, Institute for Road Safety Research, Netherlands, describe the conception and development of their book, *Advancing Sustainable Safety*.



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**3** William Tansil, Michigan DOT, moderates discussion concerning transportation applications of restricted-use technology.

**4** Daniel S. Turner, Council of University Transportation Centers, listens as Wesley C. Lum, Caltrans, speaks in a session on Meeting the Challenge to Achieve a Nationally Coordinated Research Program.

**5** Susan Sillick, Montana DOT, asks a question of the session panel.

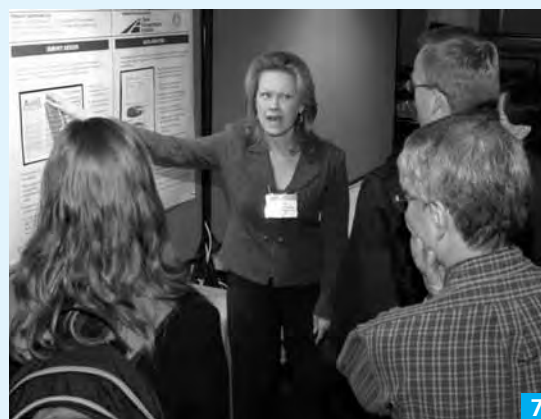
**7** Linda K. Cherrington, TTI, presents research on transit surveys.

**8** Walter McManus, University of Michigan Transportation Research Institute, offers the latest news on Fuel Prices and Transportation.

**9** Jean Luc Poncelet, World Health Organization, offers perspectives on How Global Public Health Epidemics Affect the World of Transportation.

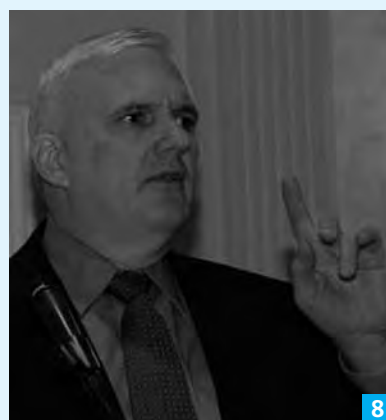


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**6** The first annual award for best poster in bituminous materials was presented to John T. Harvey (*left*) and Qing Lu, University of California, by Bituminous Materials Section Chair James S. Moulthrop, Fugro Consultants.



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## COMMITTEE MEETINGS

**1** Frederick D. Hejl, TRB (*right*), briefs members of the Nanotechnology-Based Concrete Materials Task Force.



**2** Outgoing chair of the Committee on Travel Survey Methods, Johanna P. Zmud (*right*), Nu Stats Partners, receives a certificate of appreciation from incoming chair Kara Kockelman, University of Texas.



**3** Aviation Security and Emergency Management Task Force chair Bonnie A. Wilson enjoys a light moment with colleagues.



## SPECIAL EVENTS

**4** Mark Norman, TRB, briefs a luncheon meeting with state DOT research officials.



**5** Past TRB Executive Committee Chair E. Dean Carlson, Carlson Associates, pays tribute to fellow past TRB Executive Committee Chair Tom Larson, who passed away in 2006.



## MAKING CONNECTIONS

**6** Many attendees networked during breaks between activities and events.



**7** Emily Goodenough, Visual Risk Technologies, and Reuben Goldblatt, KLD Associates, exchange ideas between sessions.



## EXHIBITS

**8** Students from the Cardozo Senior High School Trans Tech Academy hosted an exhibit and attended sessions, guided by Shirley C. McCall (*left*), the 2004 Sharon D. Banks Award recipient.







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## CHAIRMAN'S LUNCHEON AND AWARDS

**1** U.S. Secretary of Transportation Mary E. Peters spoke before a capacity audience at the Chairman's Luncheon.

**2** Incoming Executive Committee Chair Linda S. Watson (*left*), former AASHTO Executive Director Francis B. Francois (*center, left*), and Anne P. Canby, Surface Transportation Policy Partnership (*center, right*) greet U.S. Secretary of Transportation Mary E. Peters.



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**3** At the invitation of U.S. Secretary of Transportation Mary E. Peters, officers of the TRB Executive Committee joined her for an informal discussion.

**4** NAE Chairman Willam A. Wulf introduces U.S. Secretary of Transportation Mary E. Peters at the Chairman's Luncheon.

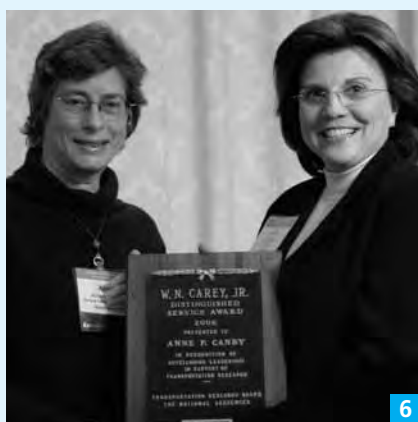
**3** (Clockwise from lower left:) U.S. Secretary of Transportation Mary E. Peters; Carol A. Murray, New Hampshire DOT; C. Michael Walton, University of Texas; John A. Bobo, Jr., RITA; J. Richard Capka, FHWA; John R. Njord, Utah DOT; Linda S. Watson, LYNX—Central Florida Regional Transportation Authority; Michael D. Meyer, Georgia Institute of Technology; and TRB Executive Director Robert E. Skinner, Jr.



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**5** Robert E. Skinner, Jr., TRB (*right*), presents Francis B. Francois with the Frank Turner Medal for Lifetime Achievement in Transportation.

**6** Linda S. Watson (*left*) presents Anne P. Canby, Surface Transportation Policy Partnership, with the W. N. Carey, Jr., Distinguished Service Award.



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**7** Herbert H. Richardson, TTI, speaks after receiving the Roy W. Crum Distinguished Service Award.

**8** Outgoing Executive Committee Chair Michael D. Meyer (*left*) presents the George S. Bartlett Award for Outstanding Contribution to Highway Progress to Neil J. Pedersen, Maryland State Highway Administration.

## DISTINGUISHED LECTURE AND AWARDS FOR OUTSTANDING PAPERS

**1** Genevieve Giuliano, University of Southern California, delivers the Thomas B. Deen Distinguished Lecture on the Changing Landscape of Transportation Decision Making.



**2** Technical Activities Council Chair Neil Pedersen (*left*) presented the lecture award plaque to Giuliano, joined by past TRB Executive Director Thomas B. Deen.

**3** Roger P. Bligh and Dean C. Alberson represented a group of four coauthors from Texas Transportation Institute honored with the K. B. Woods Award for outstanding paper in the design and construction of transportation facilities. (Not pictured: Nauman M. Sheikh and Akram Y. Abu-Odeh.)



**4** The D. Grant Mickel Award for outstanding paper in the operation, safety, and maintenance of transportation facilities was presented to Samer H. Dessouky, Imad L. Al-Qadi, and Shih-Hsien Yang, University of Illinois, Urbana-Champaign. (Not pictured: Mostafa A. Elseifi.)



**4** D. Grant Mickel Award recipients.

The Fred Burggraf Award recognized outstanding papers by young researchers:

**5** In planning and environment, Elise Miller-Hooks, University of Maryland, and Hao Tang, FedEx Express Corporation;



**6** In design and construction, Jason Weiss and Gaurav Sant, Purdue University, and (not pictured) Pietro Lura, Technical University of Denmark; and



**7** In operations and maintenance, Paolo Perco, University of Trieste, Italy.



**8** Greg Marsden, University of Leeds, U.K., accepted the Charley V. Wootan Award for outstanding paper in policy and organization on behalf of coauthors Charlotte Kelly, University of Leeds, and Carolyn Snell, University of York.



**9** The Pyke Johnson Award for outstanding paper in transportation systems planning and administration was accepted by Matthew Barth, University of California, Riverside, on behalf of coauthors John Collins, George Scora, Nicole Davis (now with the International Sustainable Systems Research Center), and Joseph Norbeck.





## Watson Chairs 2007 TRB Executive Committee

**L**inda S. Watson is 2007 Chairman of the TRB Executive Committee, succeeding Michael D. Meyer. Debra L. Miller will serve as Vice Chair, replacing Carol A. Murray, who has stepped down from her position as Commissioner of the New Hampshire Department of Transportation.

Watson is CEO of Lynx—Central Florida Regional Transportation Authority in Orlando. She previously served as general manager of the Corpus Christi Regional Transportation Authority and assistant general manager of the Fort Worth Transportation Authority in Texas. Watson chaired the Transit Cooperative Research Program (TCRP) Oversight and Project Selection Committee from 2000 to 2003 and has served on the TRB Executive Committee's Subcommittee on Planning and Policy Review and on TCRP panels.

Miller is secretary of the Kansas Department of Transportation (KDOT) and also has served as director of Kansas DOT's Division of Planning and Development. She chaired the joint National Cooperative Highway Research Program and Transit Cooperative Research Program Project Panel on Commuting in America III. She also is active on many other TRB committees.

Meyer, a professor in the School of Civil and Environmental Engineering, Georgia Institute of Technology, will continue to serve on the Executive Committee through 2009. He also chairs the

Subcommittee on Planning and Policy Review and serves on several Technical Activities committees and NCHRP panels.



Joining the TRB Executive Committee are J. Barry Barker, Executive Director, Transit Authority of River City, Louisville, Kentucky; Tracy Rosser, Vice President, Corporate Traffic, Wal-Mart Stores, Inc., Bentonville, Arkansas; Rosa C. Rountree, Executive Director, Georgia State Road and Tollway Authority, Atlanta; and

Steve Williams, Chairman and CEO, Maverick Transportation, Inc., Little Rock, Arkansas.



**1** 2007 TRB Executive Committee Chair Linda S. Watson introduces award winners during the Chairman's Luncheon.

**2** Watson presents outgoing Chair Michael D. Meyer with a plaque in recognition of his leadership.



### A TRB LEGEND RETIRES

**3** Robert Reilly, TRB Director of Cooperative Research Programs, retired after 35 years of service in March. The TRB Executive Committee honored Reilly at the Annual Meeting with a commemorative resolution, citing his "superb leadership," as well as "outstanding judgment, integrity, and extraordinary dedication." Chair Michael D. Meyer and Executive Director Robert E. Skinner, Jr., presented the tribute. In February, FHWA Administrator J. Richard Capka personally presented Reilly with the FHWA Administrator's Public Service Award.

## EXECUTIVE COMMITTEE

**1** Chair Michael D. Meyer guides the Executive Committee through an ambitious agenda; Linda S. Watson (*left*) succeeds him for 2007.

**2** TRB Executive Director Robert E. Skinner, Jr., fields a question about institutional policy.

**3** Henry G. (Gerry) Schwartz (*right*), Washington University, contributes to discussion during the business meeting; at his left is Debra Miller, Kansas DOT, who is Executive Committee Vice Chair for 2007; also shown are Marcy S. Schwartz (*left*), CH2M Hill, and James R. Hertwig, CSX Intermodal.

**4** John C. Horsley (*center*), AASHTO, explains the complexities of the Congressional budget process affecting transportation research.

Joining discussions are **5** Steve Williams (*right*), Maverick Transportation, Inc., with Rebecca M. Brewster, American Transportation Research Institute;

**6** Rosa Clausell Rountree, Georgia State Road and Tollway Authority;

**7** J. Edward Johnson, NASA;

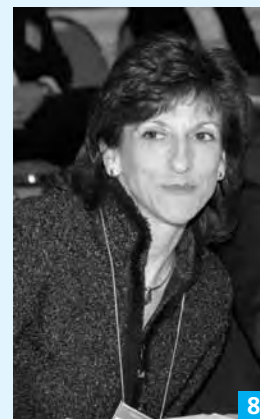
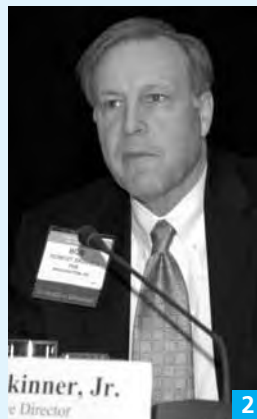
**8** Terry Shelton, FMCSA;

**9** Tracy L. Rosser, Wal-Mart Stores, Inc.;

**10** Anne P. Canby (*left*), Surface Transportation Policy Partnership, with Susan Hanson, Clark University;

**11** Pete K. Rahn, Missouri DOT; and

**12** Craig Rockey, Association of American Railroads.





## Honoring Long-Term Leadership and Service

TRB awarded emeritus membership to 41 individuals, honoring their significant, long-term contributions and outstanding service through participation on TRB standing committees. The 2007 group of honorees, recognized at the Annual Meeting, are listed below.

### *Policy and Organization*

**Francis B. Francois**  
Transportation History

**Peter G. Koltnow**  
Transportation History

**Damian J. Kulash**  
Transportation History

**V. Setty Pendakur**  
Transportation in the Developing Countries

**Henry L. Peyrebrune**  
Transportation Issues in Major U.S. Cities

**Richard R. Stander, Sr.**  
Transportation History

### *Planning and Environment*

**Ronald S. DeNadai**  
Environmental Analysis in Transportation

**David L. Greene**  
Alternative Transportation Fuels

**Ryuichi Kitamura**  
Traveler Behavior and Values

**T. Keith Lawton**  
Transportation Demand Forecasting

**Hani S. Mahmassani**  
Telecommunications and Travel Behavior

**Bruce D. McDowell**  
Metropolitan Policy, Planning, and Processes

**Patricia Lyon Mokhtarian**  
Telecommunications and Travel Behavior

**James T. Nelson**  
Transportation-Related Noise and Vibration

**Poulicos Prastacos**  
Transportation and Land Development

**Danilo J. Santini**  
Alternative Transportation Fuels

### *Design and Construction*

**Nicholas R. Close**  
Landscape and Environmental Design

**Ronald J. Cominsky**  
Management of Quality Assurance

**Mark P. Gardner**  
Highway Traffic Monitoring

**Daniel P. Johnston**  
Concrete Materials and Placement Techniques

**G. John Kurgan**  
Construction Management

**Joe P. Mahoney**  
Full-Scale and Accelerated Pavement Testing

**Gale C. Page**  
Characteristics of Nonbituminous Components of Bituminous Paving Mixtures

**Jacob Uzan**  
Strength and Deformation Characteristics of Pavement Sections

**James C. Wambold**  
Surface Properties–Vehicle Interaction

### *Operations and Maintenance*

**John P. Burkhardt**  
Maintenance and Operations Management

**Michael J. Markow**  
Maintenance and Operations Management

**Hoy A. Richards**  
(deceased, November 9, 2006)  
Highway–Rail Grade Crossings

**Marshall L. Stivers**  
Maintenance and Operations Management

**Jonathan Upchurch**  
Traffic Control Devices



### *Legal Resources*

**Orrin F. Finch**  
Contract Law

### *System Users*

**Michael J. Cynecki**  
Pedestrians

**Hans Laurell**  
Alcohol, Other Drugs, and Transportation

**Allan F. Williams**  
Alcohol, Other Drugs, and Transportation

### *Public Transportation*

**John P. Aurelius**  
Commuter Rail Transportation

**Gregory P. Benz**  
Intermodal Transfer Facilities

**Bruce Horowitz**  
Commuter Rail Transportation

**Michael A. Kemp**  
Public Transportation Marketing and Fare Policy

**John W. Schumann**  
Light Rail Transit

### *Aviation*

**Geoffrey David Gosling**  
Aviation System Planning

**Agam N. Sinha**  
Airfield and Airspace Capacity and Delay

Emeritus members of the Transportation History Committee included (left to right) Richard R. Stander, Sr.; Peter G. Koltnow; and (right) Francis B. Francois; committee Chair Alan Pisarski (second from right) presented the awards. (Not pictured: Damian J. Kulash.)