

The National Academies of
SCIENCES • ENGINEERING • MEDICINE



TRANSPORTATION RESEARCH BOARD

TRB Executive Committee Meeting

-Draft Minutes-

Wednesday, January 10, 2018, 8:30 a.m. – 4:30 p.m.

Thursday, January 11, 2018 8:30 a.m. – 11:45 a.m.

Marriott Marquis, Washington, D.C.

View the [Executive Committee Website](#) for the Agenda Book and Select Presentations

January 10, 2018

- I. Welcome, Introduction, and Overview of Agenda (p. 4) Dougherty**
- A. Bias/Conflict of Interest Discussion (p. 6) Dougherty/Pedersen
- Recognition of committee members rotating off of the committee, new appointments, and reappointments.
 - Meeting attendee list is attached to the end of this document.
 - There were no significant issues raised during the conflict of interest discussion.
- B. National Academies of Sciences, Engineering, and Medicine (NASEM) anti-harassment statement (p. 7)
- II. Approval of June 22 and 23, 2017 Minutes (p. 8) Dougherty**
- **Approved**
- III. Approval of Consent Agenda (p.18-63) Dougherty**
- A. Conference Approvals
- B. Marine Board Report
- C. Cooperative Research Program Report
- D. Subcommittee on Policy and Planning Review Report
- E. Transformational Technologies Task Force Closeout Report
- F. Transportation and Public Health Task Force Closeout Report
- G. New Revenues Task Force Closeout Report
- H. SHRP 2 Safety Phase 1 Status Report
- **Approved**
- IV. Executive Director's Report (p. 64) Pedersen**
- A. Pedersen reports that TRB finances are in good shape, due in part to the growth of private sector support through the new TRB Global Affiliates program, and continued support from the TRB Annual Meeting patron and exhibit opportunities.
- B. Strategic research roadmaps on transformational technologies, resilience, and health, are being developed.
- C. Roundtables and forums are being developed on automated vehicles and shared mobility.

- D. The resilience task force has been reconstituted to focus on mitigation and sustainability.
- E. TRB's Critical Issues in Transportation document will be a strategic document for TRB. Twelve topic areas will be covered. The Subcommittee on Planning and Policy Review (SPPR) will be refining the list, and a list will be available for review in June 2018. The report will go through the National Research Council report review process.
- F. Pedersen provided updates on the Inclusion and Diversity Strategic Plan, the International Activities Strategic Plan, and young members' activities.
- G. The NASEM is conducting two external reviews, the first on products and processes and the second regarding communication practices.
- H. Pedersen announced that Mark Norman and Steve Godwin are making transitions. Norman is retiring, and Godwin is now a Scholar in Residence. Tom Menzies is now serving as acting director for consensus studies.

V. Centennial Task Force Update (p. 88)

Larson

- A. The task force established a goal, theme, and logo for the event; identified products and promotional opportunities; and developed a marketing and communications plan to be in place by April 2018 so volunteers and staff can start developing materials for the upcoming celebration.
- B. The committee is working on developing a 100th Anniversary History Book. Sarah Jo Peterson has been hired as the author and is actively conducting research for the book.
- C. Other products include a website, social media campaign, lists, booklets, roaming exhibits, and an Annual Meeting Exhibit.
- D. Fundraising activities are underway, including outreach to patrons as well as the Smithsonian, Ford, and other corporate or foundation partners.
- E. Executive Committee members provided ideas on ways to interest the general media in TRB's centennial.

VI. Inclusion and Diversity

A. TRB Division Committee Update (p. 93)

Hanson

- The TRB Division Committee was formerly known as the Subcommittee on NRC Oversight (SNO).
- As part of NASEM, TRB's Division Committee ensures that all TRB reports meet standards for objectivity and quality set by the institution; and tracks and promotes overall participation of minorities, women, and other underrepresented groups in all TRB committees and panels. Profession, age, gender, geography, race, and ethnicity are dimensions that the NASEM also tracks.
 - Younger volunteers are generally more diverse than senior volunteers.
 - It appears that younger volunteers are more reluctant to answer the question about race and ethnicity. Only about half responded to demographic questions versus 75 percent of those 35 and older.
 - Panel and committee involvement of women and minorities have flat-lined, so the Diversity and Inclusion Task Force will be considering a variety of strategies to increase involvement.

- There is no growth in diversity for the people carrying out the reports of TRB. Women make up 26% of contractors, and underrepresented minorities make up 7% of contractors. More effort is needed by TRB to increase TRB's diversity to improve the quality of what we do and offering opportunity to everyone.

B. Diversity and Inclusion Strategic Plan (p. 103)

Ford

- The mission of the Diversity and Inclusion Task Force is to facilitate making diversity and inclusion a core value for TRB staff, volunteers, contract awardees, projects and the transportation communities that TRB serves. A diverse and inclusive culture will enhance the mission of TRB because it will increase innovation and creativity. The task force developed seven strategies:
 1. Identify practices and develop primers for committee and panel chairs, and TRB staff highlighting strategies and resources used to recruit, welcome and actively involve a more diverse committee and panel membership.
 2. Engage with transportation-related organizations and other appropriate organizations that traditionally have a more diverse membership than TRB, to increase their members' awareness of and participation in TRB.
 3. Find new ways for Annual Meeting and specialty conference attendees to engage in a way that creates inlets for everyone to make connections and feel included and welcomed.
 4. Identify practices and develop primers for TRB staff and the contracting office to identify and minimize barriers to achieving greater diversity among TRB contractors, whether they are suppliers or research consultants.
 5. Identify and minimize barriers to achieving greater TRB staff diversity.
 6. Ensure that inclusion and diversity, and issues of equity, civil rights and workforce development are addressed through technical activities and research projects.
 7. Improve existing data, information, and communication mechanisms to support all strategies.
- Next steps: Refine action items and designate to TRB staff. A special committee chaired by Dr. Carol Lewis will provide oversight and identify performance measures. Progress on implementation of the strategic plan will be reported by the special committee to the TRB division committee and to the executive committee on a semi-annual basis.
- The Executive Committee discussed steps that it can take to help mentor underrepresented groups.

➤ **The Executive Committee approved the Inclusion and Diversity Plan**

C. TRB Signing of a Memorandum of Understanding with Women's Transportation Seminar (WTS), the International Transport Forum (ITF) – Geneva, and the Conference of Minority Transportation Officials (COMTO) (p. 109).

- As part of the Inclusion and Diversity Plan, Pedersen signed MOUs with WTS and COMTO to help foster partnerships and increase information sharing, awareness and involvement by TRB and organizational partners.

- D. Minority Student Fellows Program (p. 113) **Febey**
- 9th year of the program, 21 students, and 14 schools.
 - The U.S. Federal Highway Administration (FHWA) has helped to double the size of the program.
 - Febey reports that several other continuing and new partnerships are underway.
 - A checkbox donation option on the Annual Meeting registration page continues to be useful for donations.
 - Former fellows are returning to the Annual Meeting and are participating on TRB Standing Committees.
- E. Young Members Council (p. 118) **Kirley**
- Sponsored sessions at the Annual Meeting focused on professional development issues, the Six Minute Pitch, and participation in the Career Fair, and Young Professionals Reception.

VII. Break

VIII. Special Topic: Resilience (p. 119)

- A. Resilience and Sustainability Task Force **Arroyo**
- i. The task force, in collaboration with the TRB standing committees, provides ways to enhance and improve how TRB committees and research programs address resilience and sustainability.
 - ii. The task force suggests actions and strategies that could be taken when considering a risk and resilience management process and a holistic sustainability and resilience framework that reduces risk, improves services, sustains or grows the economy, adapts to changing conditions and empowers citizens.
 - iii. Timeframe:
 - First Meeting – September 2017: Discussion of scope and goals.
 - Second Meeting – November 2017: Jennifer Jacobs presented on Climate Hazards and their impacts to transportation. The task force also considered topics for small working groups.
 - Third Meeting – January 2018: Set a work period for six months and introduced and discussed small group themes and expectations.
- B. Lessons Learned Hurricane Harvey and Irma
- i. Tom Kelly, Metropolitan Transit Authority of Harris County, Texas discussed preparations for Hurricane Harvey.
 - Storm developed into a hurricane in 48 hours, and the strength was unprecedented.
 - No time to evacuate so METRO continued service until it began to rain.
 - METRO relied on emergency management plans and continuity of service plans, and past relationships with public safety officials around the regions.
 - Third major flood event in less than 2 years, lesson learned was that they will establish a forward command to drive people to safety. METRO assisted local and regional partners to transport flood victims to safety.

- Damage:
 - Two METRO busses completely flooded.
 - 17 busses were flooded but returned to service.
 - Damage to metro property estimated at \$15 million.
 - Suspension and return to service:
 - Service suspended Saturday, August 26, 2017 through Monday, August 28, 2017.
 - Tuesday August 29, 2017: Metro supports medically necessary trips.
 - Thursday August 31, 2017: Limited service.
 - Full return to service Tuesday, September 5 (after Labor Day). Over 500,000 cars flooded.
 - Takeaway: Plans were very important, but the relationships that METRO employees developed across agencies had made the difference in their ability to respond and save lives.
- ii. Tom Byron from Florida Department of Transportation discussed preparation for Hurricane Irma.
- Irma formed about a week after Hurricane Harvey, and was a Category 5 Hurricane. The Florida Governor declared a state of emergency one week in advance of landfall, so FDOT had more flexibility with preparations.
 - On September 10, 2017, Hurricane Irma made landfall. Byron states that 7 million evacuated in Florida, which was one in three Floridians.
 - To help with the evacuation, FDOT instituted emergency shoulder use for cars. Byron states that once drivers used the shoulders, this helped with traffic flow. He reports there were no incidents or fatalities.
 - Returning home:
 - Key piece that helps to recover quicker is to work with prioritizing clearance for highways to be cleared of junk and debris.
 - Scour for bridges are an issue – no bridge is reopened until it's looked at. Piles holding up bridge can be washed out with the storm surge.
 - Worse congestion for the return trip, and FDOT will examine emergency shoulder use for returning evacuees. Byron reports there were traffic jams from Atlanta to Florida on I-75 and from Virginia to Florida on I-95.
 - Great support from other State DOTs. Plans in place and executed helped Florida, great coordination with other stakeholders. Having established relationships with those stakeholders was important.
- iii. The Executive Committee members discussed their experience with evacuation and event management with the California fires. Many agreed that some of the hardest work happens after a disaster, as employees forgo their own family responsibilities to help their community.

IX. Introduction to Policy Session on Public Transportation

- A. American Public Transit Association (APTA) Chair’s Emphasis Areas **Ford**
 - i. Mobility is changing for us and the customers are not looking for a specific mode of transportation. Driven by technology. Customers are looking for door-to-door service and real time information.
- B. New APTA President/CEO Perspective **Skoutelas**
 - i. Looks forward to working with TRB in addressing challenges and opportunities in the transit industry.

X. CHAIRMAN’S LUNCHEON –Washington Convention Center, Ballroom A/B

Speaker, USDOT, Senior Advisor for Infrastructure, James Ray

XI. Activity Briefings

- A. [Paul P. Skoutelas](#), President and CEO, APTA
 - i. Transit ridership is growing in relationship to growth in population.
 - ii. Local communities are stepping up to provide support for public transportation, and they’re willing to pay for it.
 - iii. APTA researches transit users. APTA may conduct research itself or through contracts like TRB’s Transit Cooperative Research Program.
 - iv. Many new APTA members include ridesharing companies and start-ups.
 - v. APTA is supportive of piloting transit innovations. Innovations include electric busses, automated vehicles, FTA-Mobility on Demand, etc.
 - vi. Skoutelas is exploring how to help older systems to modernize to be more reliable. Older transit systems are in the most need for investment.
- B. [Gwen Chisholm Smith](#), Director, Transit Cooperative Research Program, provided an overview of TRB’s Transit Cooperative Research Program (TCRP). TCRP is authorized at \$5 million a year through the FAST Act.
- C. [Stephen Andrie](#), Program Manager, SHRP 2 Naturalistic Driving Study Safety Data and Public Transportation, Technical Activities Division provided an overview of TRB’s Standing Technical Committees that are addressing public transportation issues.

Policy Session: Public Transportation

- [Dr. Steven E. Polzin](#), Director, Mobility Policy Research, Center for Urban Transportation Research, University of South Florida

Dr. Polzin examined the relation of Vehicle Miles Traveled and trends in economic income, gross domestic product, and ridership declines within the last several years. Transit assumptions from 2012-2014 have changed in 2015-2017. It looks like trends with millennials (urban living, no car, use of transit) may be reversing historical trends as those millennials are moving out to the suburbs and purchasing cars later in life. Decreases in transit ridership may cause decreases in revenue which means cut services, and then decreases in ridership perpetuate. Dr. Polzin concluded that a broader discussion of mobility is necessary.

- [Dr. Susan Shaheen](#), Adjunct Professor, Civil and Environmental Engineering; Co-Director of the Transportation Sustainability Research Center; and Director, Innovative Mobility Research at the University of California, Berkeley

Dr. Shaheen stated that when people have access to carsharing, they may use transit about the same or a little less than they have before. Bikesharing members ride the bus less in large cities. In small cities, bikeshare increases transit ridership. Shaheen laid out the factors that ridesharing/bikesharing can increase or decrease public transit ridership.

- [Randy Clarke](#), Vice President Operations and Member Services, American Public Transportation Association

Clarke explored the needs of transit agencies in the United States, and how funding has been difficult to invest in assets. APTA explored international practices through the International Study Mission to Asia in 2017. For example, Hong Kong includes alternative revenue models (like residential flats and business space) to help use the revenues to get to 99.9 percent on-time performance. In Singapore, they took their money to invest in maintenance. Public transportation ridership in Tokyo alone is about half the daily ridership in the entire U.S. (17 million). In Asia, the public expectation of safety is part of the business culture. These countries collect and analyze data as part of their asset management strategy. They have 30-40 year capital plans.

Comments from Executive Committee Meeting:

1. The public will rely on transit for the foreseeable future, and more research and better data is needed.
2. Transit systems need to be at the table with mobility providers in order to give people choices on how they move around the region. For example, one app that includes all modes, travel times, and a payment option could be useful for the traveling public.
3. Bus ridership faces challenges.
4. Low brand loyalty across all modes of travel.
5. Costs are going up in bus fares and labor.
6. The transit industry is focusing more on mobility, less on mode.

XII. Breakout sessions and break for the evening

XIII. Summary of Policy Sessions

Dougherty/Rapporteurs

<http://www.trb.org/Main/TRBExecutiveCommitteeMinutes.aspx>

The rapporteurs summarized the discussions they had in their breakout groups about each presentation, and then discussed TRB's value proposition in relation addressing transit challenges.

- A. [Breakout Session Report on Travel Behavior and Public Transportation](#) (Pat Thomas, Rapporteur)
 - i. Performance metrics: is ridership the right metric. Is mobility or efficiency incorporated into metric, and how does the transit system allow the economy to function?
 - ii. Best practices: Governance, finance policies and business models like restructuring finance and procurement policies. Land-use and environmental policies were also considered.
- B. [Breakout Session Report on Shared Mobility and Technology Impacts](#) (Steve Cliff)
 - i. Transit is shared mobility, and should be considering things like equity and social justice.
 - ii. Cost comparisons of transit versus other service should take into account higher costs to adhere to regulations, for example, Buy America requirements.
 - iii. More research is needed in evaluating what customers want, creating and carrying out pilot projects, and building relationships.
- C. [Breakout Session Report on Public Transportation Delivery](#) (Hyun-A Park)
 - i. Discussion around communicating the value of public transportation. For example, showing the relationship between transit and GDP.
 - ii. In relation to workforce, leadership competency is really important. Placing the best people in leadership positions and developing the workforce. The customer wants to get from point a-to-b, and there's a need to work across modes to address the needs of the customer.
 - iii. With autonomous vehicles, the need for parking may go away (shared vehicles), so take parking infrastructure to make it into transit lanes.
 - iv. Potential actions include scenario planning, workforce development guidance, investing in people.

The Executive Committee members will explore researching these public transit issues through the CRP program, or using policy study funds to conduct a quick-turnaround project.

XIV. Future Policy Session (p. 158)

Houston

- **Approved: The Executive Committee selected electric vehicles for the June 2018 policy session.**

XV. Technical Activities Council Update (p. 164)

Park/Brach

- A. The TRB 2018 Annual Meeting:

- i. Facilitated 800+ Sessions and Workshops (includes 45 spotlight sessions):
 - 20 sessions on Transportation and Public Health
 - 61 sessions on Resilience and Sustainability
 - 85 sessions on transformational technologies
 - ii. Registration: 13,781 as of February 12, 2018 (a three percent increase from 2017)
 - 245 exhibitors
 - 31 patrons, including three platinum
 - 36 organizations at Careers in Motion
 - New attendees orientation was revamped
 - iii. Spotlight theme for 2019: Transportation for a Smart, Sustainable, and Equitable Future.
- B. TRB SHRP 2 Naturalistic Driving Study
- i. Washington State DOT found through SHRP 2 data that more lighting is not necessarily better for safety.
 - ii. As a result, Washington DOT is saving money and while creating safer roads.
- C. Changes to the Transportation Research Record (TRR)
- i. TRB has outsourced post-acceptance editing, publication, and marketing of the TRR to SAGE Publications. TRR still belongs to TRB
 - ii. SAGE will handle production, subscriptions, marketing
 - iii. Committees still initiate calls for papers, review papers, recommend publication
 - iv. Expected benefits:
 - Faster pre-edited publication online
 - More author services: increased impact factors, review of final proofs
 - More subscriptions
 - Higher impact factor
 - Somewhat lower cost
 - v. TRB's new TRR Managing Editor Patti Lockhart provides the journal with:
 - More state-of-the-art professional practices
 - Policies /procedures consistent with other peer-reviewed journals
 - Criteria and training for review coordinators, reviewers, authors
 - vi. Goal: TRR will be the journal that transportation researchers/professionals send their best papers.

II. Break

III. International Subcommittee

Brooks

- A. Strategic plan for five years (p. 165)
 - i. Goal One: Actively engage colleagues from outside the United States in TRB activities, committees, and panels.
 - ii. Goal Two: Leverage bilateral international cooperative benefits when sponsoring or co-sponsoring international forums and conferences within current TRB processes and procedures.
 - iii. Goal Three: Encourage TRB participants to initiate and engage in new international activities (such as forums and conferences not sponsored or co-sponsored by TRB; and cooperative research and twinning research projects) with an eye towards international collaboration.

- iv. Goal Four: Facilitate, review, and concur in Memoranda of Understanding between TRB and other international/national organizations.
- B. To achieve these goals, the committee proposes collecting data first to help set targets for growth. The Committee on International Cooperation will lead much of the implementation (A0010). Progress reports will be shared with the Executive Committee.
- C. With a focus on partnerships and how partnerships can advance TRB's mission, the committee received a suggestion to work with the Board on Global Health in NASEM's Health and Medicine Division.

➤ **Strategic Plan approved by the Executive Committee**

IV. TRB Forum: Preparing for Automated Vehicles / Shared Mobility Services (p. 179) Norman

- A. Goal: Convene perspectives on the critical issues surrounding the deployment of automated vehicles and shared mobility. A key emphasis is on the discussion, identification, and facilitation of fact-based research needed to deploy these technologies in a manner and timeframe that informs policy to best meet long-term goals. Includes federal, state, and local agencies; academic or research institutions; private sector companies; and associations.
- B. Inaugural forum meeting convenes February 27-28, 2018.
- C. Executive Committee members suggested including the insurance industry.

V. Global Affiliate Program (p. 191) Davenport

- A. The Global Affiliate Program replaced TRB's affiliate program.
- B. Six levels of participation, and existing affiliates have been placed into the new packages.
- C. 78 global affiliates and trying to attract new sectors to TRB.
- D. Waymo from Google joined at the lowest level, which is promising. Other new affiliates are joining.

VI. Critical Issues Update (p. 196) Pedersen

- A. Issues that would guide all TRB programs (not just to the consensus and advisory studies division) Two documents will be produced:
 - i. Guidance for our stakeholders (technical)
 - ii. Broad audience
- B. 12 topics with about 4-9 issues under each topic – total number of issues is 60
- C. Criteria to classify as a critical issue:
 - i. Is it an important longer term, future issue?
 - ii. Is it expected to be a major policy issue in the future?
 - iii. Will there be major changes related to the issue that will affect transportation in an important way?
 - iv. Is it an issue that is cross cutting across multiple modes of transportation?
 - v. Is it an issue of importance globally, and not just in the United States?

- vi. Is it an issue that is related to broader societal goals?
- vii. Is it an issue that is related to key outcomes we are trying to achieve?

- D. Critical issue topics, which includes the number of issues associated with each topic:
 - i. Transformational Technology (5)
 - ii. Economics/Regulation (4)
 - iii. Safety/Public Health (9)
 - iv. Energy/Environment (4)
 - v. Resilience/Security (5)
 - vi. Funding/Finance (8)
 - vii. Infrastructure/Asset Management (5)
 - viii. Equity (6)
 - ix. Governance (5)
 - x. Population/
 - xi. Demographics (4)
 - xii. Human Capital/ Workforce (5)
 - xiii. Innovation (issues still to be identified)

- E. A draft report will be available before the June Executive committee meeting.

VII. Consensus and Advisory Studies (formerly Policy Studies) (p. 213)

Menzies

- A. Studies completed:
 - i. Polar Icebreaker Cost Assessment (sponsored by the U.S. Coast Guard) (July 2017)
 - ii. Review of US Department of Transportation Testing of Electronically Controlled Pneumatic Brakes (sponsored by the Federal Railroad Administration) (September 2017)
 - iii. Safe Transport of Hazardous Liquids and Gasses in a Changing U.S. Landscapes (sponsored by the Executive Committee) (October 2017)
 - iv. Designing Safety Regulation for High-Hazard Industries (sponsored by the Pipeline Hazardous Materials Safety Administration) (October 2017)

- B. New studies:
 - i. Propane Pipes Safety and Regulation Study (sponsored by the Pipeline Hazardous Materials Safety Administration)
 - ii. Review of BSEE Offshore Inspection Program
 - iii. Truck Size and Weight Research Roadmap (sponsored by the Federal Highway Administration)
 - iv. Review of Innovative Bridge Research Program (sponsored by the Federal Highway Administration)

- C. Ongoing Studies (with sponsor in parentheses):
 - i. Future of the Interstate Highway System (Federal Highway Administration)
 - ii. Truck Size and Weight Research Roadmap (Federal Highway Administration)
 - iii. Review of Innovative Bridge Research Program (Federal Highway Administration)
 - iv. Review of Long-term Infrastructure Program (Federal Highway Administration)
 - v. Transit Evidentiary Data Study (Federal Transit Administration)

- vi. Propane Pipes Safety and Regulation (Pipeline and Hazardous Materials Safety Administration)
- vii. Review of Vessel Stability Standards (U.S. Coast Guard)

D. Candidate Self-Initiated Studies:

- i. Experience and Issues Associated with Mileage-Based User Fees
- ii. Policy Options for Enhancing the Quality, Quantity, and Reach of Transit by Integrating with Transportation Network Companies

➤ **Approved: Policy Options for Enhancing the Quality, Quantity, and Reach of Transit by Integrating with Transportation Network Companies**

Next Meeting takes place June 13-14, 2018 in Woods Hole, Massachusetts

The National Academies of
SCIENCES • ENGINEERING • MEDICINE



TRANSPORTATION RESEARCH BOARD

TRB Executive Committee Meeting
Attendance List

Wednesday, January 10, 2018, 8:30 a.m. – 4:30 p.m.

Thursday, January 11, 2018 8:30 a.m. – 11:45 a.m.

View the [Executive Committee Website](#) for the Agenda Book and Select Presentations

Executive Committee Attendees

Malcolm Dougherty (Chair)
Katie Turnbull (Vice Chair)
Vicki Arroyo
Scott Bennett
James Crites
Ginger Evans
Stewart Fotheringham
Nathaniel Ford
Susan Hanson
Stephen Hargarten (National Academy of Medicine)
Jeff Holt
S. Jack Hu
Roger Huff
Geraldine Knatz (National Academy of Engineering)
Margaret Melinda McGrath
James Redeker
Leslie Richards
Daniel Sperling
Gary Thomas
Pat Thomas
James Tien (National Academy of Engineering)
Dean Wise
Charles Zelle

Staff

Cindy Baker
Ann Brach
Patrice Davenport
Karen Febey
Chris Hedges
Russell Houston
Lisa Marflak
Thomas Menzies
Mark Norman
Tom Palmerlee
Neil Pedersen
Gary Walker

Ex Officio Attendees

Maryam Allahyar (Federal Railroad Administration)
Michael Berube (Department of Energy)
Mary Brooks (Marine Board)
Mark Buzby (Maritime Administration)
Steve Cliff (California Air Resource Board)
Howard Elliott (Pipeline and Hazardous Materials Safety Administration)
Audrey Farley (Office of the Secretary of Transportation – Research)
John Gray (Association of American Railroads)
Brandye Hendrickson (Federal Highway Administration)
Bevan Kirley (Young Members Council)
Timothy Klein (Office of the Secretary of Transportation – Research)
Hyun-A Park (Technical Activities Council)
Kelly Regal (Federal Motor Carrier Safety Administration)
Nan Shellabarger (Federal Aviation Administration)
Karl Simon (Environmental Protection Agency)
Paul Skoutelas (American Public Transportation Association)
Steven Smith (Federal Motor Carrier Safety Administration)
Vincent Valdes (Federal Transit Administration)
Walter Waidelich (Federal Highway Administration)
Jane Williams (Federal Transit Administration)
Bud Wright (American Association of State Highway and Transportation Officials)
Matt Welbes (Federal Transit Administration)

Policy Session

Randy Clarke (American Public Transportation Association)
Steven Polzin (University of South Florida)
Susan Shaheen (University of California, Berkeley)