



TRB Executive Committee Meeting

-Draft Minutes-

Wednesday, January 11, 2017, 8:30 a.m. – 11:45 p.m.; 2:30 p.m.-5:30 p.m.

Thursday, January 12, 2017, 8:30 a.m. – 11:45 a.m.

Marriott Marquis Hotel, Liberty L&M, Washington, DC

- I. Welcome, Introduction, and Overview of Agenda (p. 4) Crites**
- A. Bias/Conflict of Interest Discussion (p. 7) Crites/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.
 - No conflicts or biases were reported by newly appointed members present at the meeting and no changes were reported by previously appointed members.
- II. Approval of June 22 and 23, 2016 Minutes (p. 9) Crites**
- **Approved**
- III. Approval of Consent Agenda (see list on p. 4) Sperling**
- Technical Activities Council Report
 - Conference Approvals
 - Marine Board Report
 - Cooperative Research Program Report
 - Subcommittee on Policy and Planning Review Report
 - Transformational Technologies Task Force Report
 - Transportation and Public Health Task Force
 - Working with and considering metrics to measure TRB and NASEM Health and Medicine Division (HMD) partnerships.
 - Communicating the synergies between transportation and public health.
 - Also working with the National Academy of Medicine (NAM), which is an honorific society of the NASEM.
 - Resilience Task Force Report
 - New Revenues Task Force Report
 - Freight Activities
 - Cybersecurity Activities
 - TRB Strategic Plan Implementation Dashboard
- **Approved**
- IV. NTSB's Top 10 Safety Priorities (p. 142) Hart**
- National Transportation Safety Board (NTSB) Chairman Christopher Hart provided updates about the [Most Wanted List](#), which was released in November 2016.
 - The list will now be published in a two-year cycle as opposed to every year.
 - Items on the list include areas where there are the most fatalities in transportation. The list focuses on highways, particularly since fatalities have increased in the past year.
 - Themes of the list include:
 - Distraction, which cause fatal accidents in every mode of transportation.

- Fatigue-related accidents: treatable conditions like sleep apnea and sleep deprivation; requiring medical fitness for operators.
- Safety: strengthening occupant protection and exploring more robust event recorders.
- Automation, including how to investigate potential failures with automation.
- NTSB is celebrating its 50-year anniversary.

V. Executive Director's Report (p. 144)

Pedersen

- Neil Pedersen highlighted the priorities of NAS President Marcia McNutt:
 - Strategic product and process review
 - Highlighting evidence-based scientific and policy conclusions
 - Better communications
 - International engagement
- Technical Activities Council / Division
 - Annual Meeting Update, over 13,000 attendees
 - Implementation of Technical Activities Council (TAC) Strategic Plan
 - Thanks to Dan Turner, outgoing TAC Chair
 - Welcome Hyun-A Park, incoming TAC Chair
 - TRB has hired four new senior program officers within the Technical Activities Division in 2016
- Cooperative Research Program (CRP) staffing changes:
 - Chris Jenks, former Director of CRP, has retired.
 - Chris Hedges has been named Director of CRP.
 - Lori Sundstrom has been named Director of the National Cooperative Highway Research Program (NCHRP) and Deputy Director of CRP.
 - Gwen Chisholm-Smith has been named Director of the Transit Cooperative Research Program (TCRP).
 - Thanks to John Halikowski, who is outgoing Chair of the American Association for State Highway and Transportation Officials (AASHTO) Standing Committee on Research (SCOR), the governing committee for NCHRP.
- CRP published 126 reports in 2016.
- Pedersen is working with CRP on expediting its research schedule, which includes creating efficiencies with contracting processes and procedures.
- CRP is ramping up its dissemination strategy to help products transition to implementation.
- Finances:
 - On track to meet reserve fund targets after implementing measures endorsed by the Executive Committee.
 - The Environmental Protection Agency (EPA) and California Air Resources Board have joined TRB as Sponsors.
 - Planned Giving Program has secured support from the NASEM Office of Development.
 - Scott Bennett is the Chair of the New Revenues Task Force.
 - TRB welcomes Patrice Davenport, Deputy Director, Program Development and Strategic Initiatives.
- Thank you to outgoing Executive Committee Members:
 - Ysela Llort
 - Kumares Sinha

- Kirk Steudle
- USDOT executives
- Created several subcommittees and taskforces as outlined in the Executive Director's report.
- Pedersen thanked Jim Crites as 2016 Chair of the Executive Committee and welcomed Malcolm Dougherty (incoming Chair) and Katie Turnbull (incoming Vice Chair).

VI. Financial Issues

- A. TRB Budget and Reserve Fund Status (p. 151) **Pedersen**
- \$87.7 million in expenditures estimated for 2016
 - Increased Annual Meeting Registration Fees and elimination of printed *Transportation Research Records* have offset the reduction in funding from the U.S. Federal Highway Administration (FHWA).
 - Pedersen projects that TRB will hit reserve fund targets
- B. Organizational Affiliate Package (p. 155) **Bennett**
- TRB has created a strawman affiliate package proposal and will be meeting with target audiences to see what packages would suit a subscribers' needs.
 - Packages will be presented to the National Academies' leadership, TRB's New Revenues Task Force, and key existing TRB stakeholder organizations.
 - Options will be revised, finalized, and marketed aggressively.

VII. Transformational Technologies: (p. 156) **Shaheen**

- A. [Partners in Research Symposium](#) took place on October 31-November 1, 2016, in Detroit, Michigan and attracted 125+ attendees.
- B. Exploring critical research needs and potential partnerships.
- C. Cities can become living laboratories that can pilot projects and provide new data. A systemic framework is needed to help inform policy roadmaps.
- D. First roundtable may focus on automated vehicles.

VIII. Break

IX. Panel Discussion Regarding Incoming Administration's Infrastructure Proposals (p. 163)

- A. Jeff Davis is a Senior Fellow with the Eno Center for Transportation and is also the Editor of the *Eno Transportation Weekly*. His report focused on the current state of the incoming Administration's infrastructure and transportation proposals.
- B. Jack Schenendorf, of Council, Covington & Burling LLP, provided comments about the incoming Administration's proposals, focusing on Congressional reaction to date, as well as anticipated Congressional reaction. He spent 25 years on the staff of the House Transportation and Infrastructure Committee, including six years as the Committee's Chief of Staff. He also served on the Bush/Cheney transition where he was Chief of the Transition Policy Team for the U.S. Department of Transportation. In addition, he was the Vice Chair of the National Surface Transportation Policy and Revenue Study Commission. His report focused on likely Congressional reaction to various infrastructure proposals.
- C. Bryan Grote, Principal with Mercator Advisors, works with state and local governments as well as federal agencies to develop, implement, and assess

transportation policies and finance programs. He is a former member of the National Surface Transportation Infrastructure Financing Commission. He provided comments on the incoming Administration's proposals, particularly focusing on the financing issues associated with the various proposals offered to date.

X. Chairman's Luncheon – Washington Convention Center, Ballroom AB

XI. Activities of the National Academies of Sciences, Engineering, and Medicine (p. 174)

- A. Lauren Alexander Augustine is the Director of the Program on Risk, Resilience, and Extreme Events in the Office of Special Projects in the Division of Policy and Global Affairs for the National Academies of Science, Engineering, and Medicine. Augustine provided a briefing on the Resilient America Roundtable which aims to help communities and the nation build resilience to extreme events, save lives, and reduce the physical and economic costs of disasters.
- B. William Anderson is a Senior Program Officer in the Technical Activities Division for the Transportation Research Board. Anderson outlined TRB efforts to address resilience in its NCHRP and standing technical committee activities in its Resilience Section.

XII. Policy Session on Resilience (p. 174)

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

- A. Donald Wuebbles, Harry E. Preble Professor of Atmospheric Sciences, School of Earth, Society, and Environment, Department of Atmospheric Sciences, University of Illinois
- Discussed climate data, the current status of the climate, and anticipated trends for the future. The presentation included information about climate-related hazards and risks, and potential ways to reduce vulnerability and increase resilience to climate change in various regions of the U.S. as well as within the transportation sector.
- B. Susanne DesRoches, Deputy Director, Infrastructure Policy, NYC Mayor's Office of Recovery and Resiliency
- Discussed lessons learned from Superstorm Sandy and actions taken by transportation agencies in the New York area to better prepare for climate-related natural disasters.
- C. Alan McKinnon, Professor of Logistics, Kuhne Logistics University, Hamburg, Germany
- Summarized the June 2016 symposium involving the European Commission, TRB, and U.S. DOT on the adaptation of transportation systems to climate change/extreme weather events. The presentation focused on research needs identified during the symposium.

XIII. Break for the evening

January 12, 2017

XIV. Summary of Policy Session

Houston/Crites

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

- A. For the policy session next year, attendees suggested more incorporation of international components within the presentations.
- B. Discussion centered on how physical infrastructure can interact with societal networks. Social networks helped affected communities revitalize after an extreme weather event.
- C. Good news: lots of work has been done; Bad news: it's not going away and there's uncertainty in the modeling. The models are improving; however, the ice melt is happening faster than the models predicted.
- D. Uncertainty with the new Administration: Data collected at universities may provide needed information to help analyze current environmental trends.
- E. The science has gotten better, but more work is needed to translate the science for transportation policy makers and practitioners.
- F. How can TRB help the decision makers in dealing with the degree of uncertainty presented within climate change data?
 - Provide decision makers with risk assessments and tools to make sound decisions.
- G. What are the next steps? Plans should address adaptation and mitigation.
- H. How can we make the impacts tangible for this generation rather than talking about 2100? For scientists, can we attribute certain events to climate change? For engineers, we need to think about operating facilities during these events much differently.
- I. NASEM report mentioned: [Attribution of Extreme Weather Events in the Context of Climate Change](#).
- J. States have developed integrated programs. Also, states face tension when shifting assets to risk management. This requires allocating scarce resources from maintenance and other programs.
- K. The transportation resource allocation process is one of prioritization. Many day-to-day concerns like congestion or public transportation availability may capture attention, but extreme events could prove to be high-consequence for an agency. We need to figure out how to allocate resources prior to an emergency.

XV. Future of the Resilience Task Force (p. 177)

Crites

- A. State DOT CEOs need guidance, including that focused on infrastructure resilience in the face of climate change.
- B. There is recognition that humans are influencing the changes taking place in the climate.
- C. Locations that are more susceptible to extreme events need toolboxes and best practices to help their agency prepare proactively by using mitigation and adaptation techniques.

D. Address the problem using an interdisciplinary lens. For example, NASEM is working with DHS on the Resilience Roundtable so TRB could use this information to apply to transportation.

E. Does the taskforce specialize on adaptation or risk management?

- **Action: The resiliency taskforce will continue, in coordination with the NASEM, to help the broader transportation community know about its work.**
 - Communicate current reports.
 - The Executive Committee will form a smaller group to define a focused scope.

XVI. Future Policy Session (p. 184)

- **Action: The concept of “smart cities,” including virtues and limitations of the concept.**

XVII. Communications

- A. Marketing and Communications Plan (p. 190) Marflak
- Website improvements:
 - A new www.TRB.org front page redesign will be released in March 2017.
 - Provided an overview of TRB’s social media strategy and growth during 2016, highlighting the channels of Facebook, Twitter, and LinkedIn.
 - E-Newsletter:
 - 67,000 subscribers
 - Data collected on newsletter clicks over the course of one year, combined with a survey of newsletter subscribers concluded the following:
 - Most readers are satisfied with the content of the TRB E-Newsletter.
 - Those who were not satisfied with the newsletter did not know they could customize their newsletter. TRB will undertake a customization campaign to inform subscribers about how they can modify their preferences.
 - No additional action will be taken to refine the newsletter at this time.
 - New partnerships fostered with transportation organizations in 2016:
 - American Traffic Safety Services Association (ATSSA)
 - Women’s Transportation Seminar (WTS)
 - Conference of Minority Transportation Officials (COMTO)
 - Intelligent Transportation Society (ITS) of America
 - Association of Metropolitan Planning Organizations (AMPO)
 - Transportation Research Congress (TRC – China)
 - Transport Research Arena (TRA – Europe)
 - World Road Association (PIARC): Memorandum of Understanding signed September 2016

- B. TRB Centennial (p. 204) Houston
- TRB will be organizing a Centennial Task Force to start planning for TRB's 100th anniversary in 2020. The Task Force will be developing recommendations in 2017 for review by the SPPR in October 2017.
 - In 2018, the role of the Centennial Task Force will be to develop a marketing and communications plan for the effort; identify events to promote the centennial; and develop a timeline for development, delivery, marketing, and promotional items leading up to the events.
 - In 2019, the Centennial Task Force will provide oversight and advice to implement the various events.

XVIII. Break

XIX. Broadening Participation (p. 208) Hanson

- A. The role of the SNO is to ensure that all TRB reports meet NRC standards for objectivity and quality; and to track and promote overall participation of minorities and women in all TRB committees. Age, gender, geography, race, and ethnicity are dimensions that the Academies track because diversity provides better research and policy outcomes.
- Hanson provided an update on the project approvals and recent minority participation TRB volunteer committees.
 - 25 percent of TRB committee members are women.
 - 16-17 percent of TRB committee members are minorities. A number of minorities include Hispanics, who often identify as white.
 - Underrepresented minority group membership remains low at 5-6 percent.
 - Hanson asked the new Diversity and Inclusion Task Force for assistance, particularly with recruiting more underrepresented groups to attend the TRB Annual Meeting.
- B. Diversity and Inclusion Task Force (p. 222) Ford
- The newly established Diversity and Inclusion Task Force will be focusing on:
 - Stakeholder diversity and inclusion among contractors and volunteers
 - TRB staff inclusion
 - Strategic partnerships
 - TRB's programs and research on diversity and inclusion
 - Workforce development
 - An interim report will be delivered in 2018
- C. Minority Student Fellows Program (p. 225) Febey
- To date, 103 fellows have presented research papers and networked at the TRB Annual Meeting. Fellows connect with potential employers, including private companies and transportation agencies.
 - The 2016-2017 program had 21 fellows.
 - The program is supported by TRB, FHWA, the North Central Texas Council of Governments, Stantec, and the South Coast Air Quality Management District.

- After completing the program, fellows have sought to get involved with Technical Activities and Cooperative Research Program panels.
- Febey is exploring ways to keep the fellows returning to TRB after completing the program.

D. Young Members Council (p. 230) Kirley

- Organized session on workforce development issues.
- Kirley has seen momentum at the group level this year, as participation and programming has increased.
- Highlighting the work of young members.
- Brainstorming how to continue to evolve the Young Members Council.

E. International Activities (p. 231) Llort

- Aimed at increasing involvement of international members in both TRB committees, and meetings and conferences.
- In 2016, the International Subcommittee of the Executive Committee was established.
- In addition to growing the pool of international TRB representatives, a goal of the subcommittee includes increasing cooperation and sharing of international research with TRB stakeholders.

XX. Signing of PIARC Action Plan and ECTRI Memorandum of Understanding (MOU) and Action Plan (p. 241)

- A. The World Road Association (PIARC) and TRB signed an Action Plan to carry out the objectives of their Memorandum of Understanding which was signed in September 2016.
- B. The European Conference of Transport Research Institutes (ECTRI) and TRB signed a MOU and Action Plan to foster and facilitate greater synergies for information exchange and cooperation, and to share that information in transportation communities in their respective regions.

XXI. Policy Studies

A. Future of the Interstate Study (p. 251) Hendrickson

- The Future Interstate Study is being done pursuant to Section 6021 of the Fixing America's Surface Transportation Act of 2015 which calls for the Transportation Research Board to conduct "a study on the actions needed to upgrade and restore the Dwight D. Eisenhower National System of Interstate and Defense Highways to its role as a premier system that meets the growing and shifting demands of the 21st century."
- First and second meetings have been held, and materials are [available online](#).
- Timeline:
 - 2017: Information Gathering, listening sessions, white papers, case studies, and modeling
 - January-June 2018: Analysis completed

- June 2018: Report finalized
- December 2018: Report delivered to Congress
- January-March 2019: Dissemination activities

B. Policy Studies

Godwin

➤ Action: approved the Structured Health Monitoring Expert Meeting for the U.S. Army Corps of Engineers

- Potential Studies summarized: (p. 263)
 - Truck Size and Weight R&D Agenda: FHWA has approached TRB about developing a research and data-gathering agenda to close knowledge gaps.
 - The FAST Act calls for a TRB Review of the Innovative Bridge Research and Deployment Program authorized in TEA-21. Initiation in 2017 expected.
 - Update: the Office of Naval Research has requested an update to a 2011 report that evaluated its support of the National Naval Responsibility in Naval Engineering (NNR-NE) initiative.
 - The Water Infrastructure Improvements for the Nation Act of December 2016 requested a study on the Use of Innovative Materials in Water Resource Projects; however, the funding for this request is uncertain.

XXII. Other Business / Summary of Key Points by Chairman Crites

- Use of the Strategic Plan to guide initiatives outlined above.
- Diversity and inclusion is a challenge. In response, new members have been added to the Executive Committee Task Force to help provide direction.
- Enhancements to communications continue.
- Continuing work to connect international participants to TRB's research.

Next Meeting takes place June 21-22, 2017, Keck Building, Washington, D.C.



XXIII. TRB Executive Committee Attendance

Executive Committee Members

1. James Crites (Chair)
2. Malcom Dougherty (Vice Chair)
3. Vicki Arroyo
4. Scott Bennett
5. Mary Brooks (Marine Board)
6. Jennifer Cohan
7. Nathaniel Ford
8. Susan Hanson
9. Steve Heminger
10. Chris Hendrickson
11. Jeff Holt
12. S. Jack Hu
13. Roger Huff
14. Geraldine Knatz
15. Ysela Llort
16. Margaret Melinda McGrath
17. James Redeker
18. Mark Rosenberg
19. Craig Rutland
20. Kumares Sinha
21. Dan Sperling
22. Gary Thomas
23. Pat Thomas
24. Paul Trombino
25. Katie Turnbull
26. Dean Wise
27. Charles Zelle

Ex Officio Members

1. Steve Cliff (California Air Resources Board)
2. Carolyn Flowers (FTA)
3. John Gray (AAR)
4. Daphne Jefferson (FMCSA)
5. Bevan Kirley (YMC)
6. Timothy Klein (USDOT/OST-R)
7. Kevin Knight (U.S. Army Corps of Engineers)
8. Stephen Lane (TAC)
9. Mary Leary (FTA)
10. Gregory Nadeau (FHWA)
11. Mary Leary (FTA)
12. Jonathan Mueller (FMCSA)

13. Hyun-A Park (TAC Incoming Chair)
14. Ram Pendyala (TAC)
15. Stephen Popkin (OST-R Volpe Center)
16. Todd Ripley (Maritime)
17. Craig Rutland (US Air Force)
18. Reuben Sarkar (DOE)
19. Robert Shea (TAC)
20. Nan Shellabarger (FAA)
21. Eric Shen (TAC)
22. Karl Simon (EPA)
23. Michael Trentacoste (FHWA)
24. Daniel Turner (TAC)
25. Walter Waidelich (FHWA)
26. Matthew Welbes (FTA)
27. Richard White (APTA)
28. Bud Wright (AASHTO)

TRB Staff

1. Cindy Baker
2. Ann Brach
3. Gwen Chisholm-Smith
4. Patrice Davenport
5. Karen Febey
6. Steve Godwin
7. Chris Hedges
8. Russell Houston
9. Lisa Marflak
10. Mark Norman
11. Lori Sundstrom
12. Neil Pedersen
13. Gary Walker

Invited attendees:

1. Christopher Hart, (NTSB)
2. Jeff Davis, Eno Center for Transportation
3. Bryan Grote, Mercantor
4. Jack Schenendorf, Covington & Burling LLP

Policy Session Speakers:

1. Susanne DesRoches
2. Alan McKinnon
3. Donald J. Wuebbles