



## TRANSPORTATION RESEARCH BOARD

MEMORANDUM

TO: Members, TRB Executive Committee  
TAC Representative to TRB Executive Committee

FROM: Victoria F. Sheehan, Executive Director

DATE: June 18, 2024

SUBJECT Agenda Book for TRB Executive Committee Meetings  
June 24 & 25, 2024

Enclosed is the agenda book for your review prior to our summer TRB Executive Committee Meetings on June 24 and 25, 2024 (all day Monday and Tuesday until noon). For those who will be attending in person, the meeting will be held in Keck 100 at the National Academy of Sciences (NAS) Keck Center, Washington, DC. Zoom invitations have been sent to those who will be participating online.

All of you are receiving this information electronically. We will make hard copies available at the meeting for those who requested them. Chair Carol Lewis urges all members to review the agenda material prior to the meeting, so that time spent in oral briefings can be reduced to a minimum. This will also expedite the handling of the more routine items on the agenda, allowing more time for discussion of substantive transportation issues. If you have limited time to review the agenda materials ahead of time, I ask that you read the Executive Director's report in Tab 5, and the Policy Session materials on Transportation and Public Health Tab 14. You are asked to bring your agenda material with you as only late items or corrected material will be distributed at the meeting (A few extra agendas will be available in case you forget yours).

Our traditional policy session on the afternoon of June 24 will be on Transportation and Public Health. We will have a one-hour presentation session with the help of a panel of experts, Ricardo Martinez, Judy Shanley, Charles Brown, and David Ederer. The panel will explore issues around barriers to access health care; the intersection of active transportation, health, and equity; and the impact of transportation and public health. This will be followed by a discussion with the entire Executive Committee. We will also have the opportunity hear reflections on the policy session discussion from the leaders of the National Academy of Medicine (NAM) and the National Academy of Sciences, Engineering, and Medicine's Health and Medicine Division (HMD).

*You are asked to bring your agenda material with you as only late items or corrected material will be distributed at the meeting.* (A few extra agendas will be available in case you forget yours). Please note that the electronic PDF version of the agenda book includes bookmarks. In the left column, please click the "Bookmark" icon to find tabs that will take you directly to each agenda item.

NATIONAL  
ACADEMIES

Sciences  
Engineering  
Medicine

On **June 24 (Monday)**, the meeting will start promptly at 8:30 a.m. Breakfast will be served in the Pre-Function Area of Keck 100 starting at 7:30 a.m. Lunch will be served at 12 noon in the Keck Atrium located on the Third Floor. We will break for evening activities at 5:00 p.m. An offsite reception and dinner will be held at Bobby Van's Grill at 6:00 p.m. for members of the TRB Executive Committee and their guests, Technical Activities Council members, and policy session panelists. The restaurant is within a 5-minute drive from the Kimpton Monaco Hotel. For those planning to attend the reception and dinner, we encourage you to use rideshare (Uber, Lyft, Taxi, etc.) or walk. For those allergic to seafood, steak, chicken, or vegetarian meals will be available.

On **June 25 (Tuesday)**, the meeting will start at 8:30 a.m. and adjourn by 12:00 p.m. Breakfast (7:30 a.m.) and lunch (12 noon) will be served. If you are not planning to stay for lunch on Tuesday but would like to take a boxed lunch with you, and did not RSVP yet, please let Sierra Reffell know.

Business casual wear is appropriate at the meetings, as well as the local restaurants. Ties are very strongly discouraged.

Wireless internet will be available at no charge.

I look forward to seeing you either at the NAS Keck Center or online and to us having a productive meeting.

*Note: If you find your plans change and you cannot attend the meeting, please call the hotel directly – Kimpton Monaco Hotel (202-628-7177). You must cancel 72 hours prior to your arrival. I would appreciate your letting us know also.*

**AGENDA**  
**TRB EXECUTIVE COMMITTEE MEETING**  
**National Academy of Sciences (NAS) Keck Center, Washington, D.C.**  
**June 24-25, 2024**

**SUNDAY, JUNE 23, 2024**

**Reception & Dinner – 6:00 pm – 9:00 pm, Carmine’s Italian Restaurant, 425 7<sup>th</sup> Street, NW Washington, DC 20004**

**MONDAY, JUNE 24, 2024**

Item	Time	Page	Speaker	Type
1. Welcome and Announcements	8:30 a.m.		Lewis	Information
a. Cover Memo		1		
b. Agenda		3		
c. Hybrid Meeting Instructions		6		
d. Policy Statement on Preventing Discrimination, Harassment, and Bulling		9		
e. Bias and Conflict Discussion		10		
2. Self-Introductions; Bias/Conflict of Interest	8:40		All	Discussion
3. Approval of January 10-11, 2024 Minutes	8:50	12	Lewis	Action
4. Approval of Consent Agenda	8:55	18	Lewis	Action
a. Conference Approvals				
5. Executive Director’s Report	9:00	23	Sheehan	Information
a. Financial Update		33	Walker	
6. TRB Division Committee Report	9:20	35	Hendrickson	Information
7. Critical Issues in Transportation	9:30	40	Mackie	Information
8. Break	10:15			
9. TRB Strategic Plan	10:30	41	Sheehan	Discussion
10. Technical Activities Update	10:45	46	Grimes/Brach	Information
11. Consensus and Advisory Studies Update	11:15	50	Menzies	Information
12. Communications Update	11:45	56	Mackie	Information
13. Lunch	12:00 p.m.			
14. Policy Session on Transportation & Public Health	1:15	61	Richards	Presentation
a. Setting the Stage		68	Martinez	
b. Lack of Transportation as a Barrier to Accessing Health Care			Shanley	

c. Active Transportation and Public Health			Brown	Presentation
d. Impacts of Transportation on Public Health			Ederer	Presentation
e. National Academy of Medicine Perspective			Dzau	Presentation
f. Health and Medicine Division			Feit	Presentation
15. Policy Session Discussion	2:30		Lewis/All	Discussion
16. Break for Evening Activities	5:00			
17. Walk to Dinner	5:30			
18. Dinner at Bobby Van's Grill, 1201 New York Avenue, NW Washington, DC 20005	6:00			

## TUESDAY, JUNE 25, 2024

Item	Time	Page	Speaker	Type
19. Policy Session Follow Up Discussion	8:30 a.m.		Lewis	Discussion
20. Future Policy Sessions	9:00	73	Houston	Action
21. Diversity and Inclusion Strategic Plan	9:15	78	Hall	Action
22. International Subcommittee Strategic Plan	9:30	82	Anderson	Action
23. Marine Board Update	9:45	84	Brotemarkle	Information
24. Break	10:00			
25. Young Member's Council	10:15	91	Parvinashtiani	Information
26. Cooperative Research Program Update	10:30	94	Houston	Information
27. Critical Issues Implementation	10:45		Sheehan	Information
28. Other Business	11:45		Lewis	Information
29. Adjourn/Lunch	12:00 p.m.			
<b>30. Consent Agenda Items</b>				
1. Conferences and Workshops		18	Brach	

**BACKGROUND ATTACHMENTS:**

Rosters and Staff – 105

Organization Charts – 113

Division Descriptions – 114

Purpose and Duties of Executive Committee – 121

Standing Oversight Committees – 124

Project Approval Processes – 127

Policy on Executive Committee Participation – 129

<b>Next Meeting:</b>	<b>January 8 &amp; 9, 2024 (Wednesday &amp; Thursday)</b>
<b>Next Summer Meeting:</b>	<b>Marriott Marquis, Washington, DC</b>
	<b>TBD</b>

**TRB EXECUTIVE COMMITTEE HYBRID MEETING INSTRUCTIONS**

**Topic:** TRB Executive Committee Summer Meetings – Day 1

**Date/Time:** Monday, June 24, 2024, 8:30 AM – 5:00 PM Eastern Time (US and Canada)

**Location:** National Academies Keck Center, Keck 100 or Zoom

Join from PC, Mac, Linux, iOS or Android:

<https://nasem.zoom.us/j/96358030158?pwd=WjRuMGdtOWtCOEdvVVVvTGQ3TlIQUT09>

**Password:** 385565

Or iPhone one-tap :

US: +13017158592,,96358030158# or +16465189805,,96358030158# Or Telephone:

Dial(for higher quality, dial a number based on your current location):

US: +1 301 715 8592 or +1 646 518 9805 or +1 646 558 8656 or +1 651 372 8299 or +1 312 626 6799 or +1 470 250 9358 or +1 602 753 0140 or +1 669 219 2599 or +1 669 900 6833 or +1 720 928 9299 or +1 971 247 1195 or +1 213 338 8477 or +1 253 215 8782 or 877 853 5257 (Toll Free) or 888 475 4499 (Toll Free)

**Meeting ID:** 963 5803 0158

**Password:** 385565

**International numbers available:** <https://nasem.zoom.us/j/96358030158>

Would you like to test your Zoom connection? Please click on the link below.

<https://nasem.zoom.us/test>

NOTICE: The Zoom service allows audio and any materials exchanged or viewed during the session to be recorded and shared. Please be aware that by participating in this activity, you consent to your voice, likeness, and any materials you provide, being recorded for use and dissemination, without payment of any compensation for such use, in any language, format, or media now known or later devised, and you release the National Academies of Sciences, Engineering, and Medicine from any and all claims, liability, or damages arising from any such use. The Academies will proceed in reliance upon such consent and release. If you do not consent to the foregoing, please do not join the session.

Code of Conduct: The National Academies of Sciences, Engineering, and Medicine (NASEM) follows the NASEM guidelines in preventing discrimination, harassment, and bullying of participants at NASEM events, including conferences. [http://www.nationalacademies.org/about/NA\\_186023.html](http://www.nationalacademies.org/about/NA_186023.html)

**(Continued)**

**Topic:** TRB Executive Committee Summer Meetings – Day 2

**Date/Time:** Tuesday, June 25, 2023, 8:30 AM – 12 Noon Eastern Time (US and Canada)

**Location:** National Academies Keck Center, Keck 100 or Zoom

Join from PC, Mac, Linux, iOS or Android:

<https://nasem.zoom.us/j/98323856822?pwd=WWRTN3FFVGUwWXdnbEdMN05rWDlnZ09>

**Password:** 939622

Or iPhone one-tap :

US: +13017158592,,98323856822# or +16465588656,,98323856822# Or Telephone:

Dial(for higher quality, dial a number based on your current location):

US: +1 301 715 8592 or +1 646 558 8656 or +1 651 372 8299 or +1 312 626 6799 or +1 470 250 9358 or +1 646 518 9805 or +1 720 928 9299 or +1 971 247 1195 or +1 213 338 8477 or +1 253 215 8782 or +1 602 753 0140 or +1 669 219 2599 or +1 669 900 6833 or 877 853 5257 (Toll Free) or 888 475 4499 (Toll Free)

**Meeting ID:** 983 2385 6822

**Password:** 939622

**International numbers available:** <https://nasem.zoom.us/j/98323856822>

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### **Zoom Meeting Best Practices**

- Use the “Raise Hand” feature to notify the host or current speaker that you wish to speak or use the chat feature.
- Unmute your microphone before speaking.
- Mute your microphone anytime you are not actively speaking.
- Avoid noisy activities like typing while your microphone is on.
- Focus on the meeting – avoid multitasking when you can.
- Monitor chat for conversation.
- Make sure you can always see the Zoom windows, especially if someone is sharing their screen.
- Sit somewhere with a neutral background.
- Make sure your camera is on a steady surface to prevent shaking.
- Turn off your camera if you need to take care of business outside of the meeting. Turn the camera back on when you are present in the meeting again.
- Communicate privately with the meeting host or co-host if you need to step away from the computer. Notify the host or co-host when you return.

## PREVENTING DISCRIMINATION, HARASSMENT, AND BULLYING: POLICY FOR PARTICIPANTS IN NASEM ACTIVITIES

The National Academies of Sciences, Engineering, and Medicine (NASEM) are committed to the principles of diversity, inclusion, integrity, civility, and respect in all of our activities. We look to you to be a partner in this commitment by helping us to maintain a professional and cordial environment. **All forms of discrimination, harassment, and bullying are prohibited in any NASEM activity.** This policy applies to all participants in all settings and locations in which NASEM work and activities are conducted, including committee meetings, workshops, conferences, and other work and social functions where employees, volunteers, sponsors, vendors, or guests are present.

**Discrimination** is prejudicial treatment of individuals or groups of people based on their race, ethnicity, color, national origin, sex, sexual orientation, gender identity, age, religion, disability, veteran status, or any other characteristic protected by applicable laws.

**Sexual harassment** is unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature that creates an intimidating, hostile, or offensive environment.

**Other types of harassment** include any verbal or physical conduct directed at individuals or groups of people because of their race, ethnicity, color, national origin, sex, sexual orientation, gender identity, age, religion, disability, veteran status, or any other characteristic protected by applicable laws, that creates an intimidating, hostile, or offensive environment.

**Bullying** is unwelcome, aggressive behavior involving the use of influence, threat, intimidation, or coercion to dominate others in the professional environment.

### REPORTING AND RESOLUTION

Any violation of this policy should be reported. If you experience or witness discrimination, harassment, or bullying, you are encouraged to make your unease or disapproval known to the individual at the time the incident occurs, if you are comfortable doing so. You are also urged to report any incident by:

- Filing a complaint with the Office of Human Resources at 202-334-3400 or [hrservicecenter@nas.edu](mailto:hrservicecenter@nas.edu), or
- Reporting the incident to an employee involved in the activity in which the member or volunteer is participating, who will then file a complaint with the Office of Human Resources.

Complaints should be filed as soon as possible after an incident. To ensure the prompt and thorough investigation of the complaint, the complainant should provide as much information as is possible, such as names, dates, locations, and steps taken. The Office of Human Resources will investigate the alleged violation in consultation with the Office of the General Counsel.

If an investigation results in a finding that an individual has committed a violation, NASEM will take the actions necessary to protect those involved in its activities from any future discrimination, harassment, or bullying, including in appropriate circumstances **the removal of an individual from current NASEM activities and a ban on participation in future activities.**

### CONFIDENTIALITY

Information contained in a complaint is kept confidential, and information is revealed only on a need-to-know basis. NASEM will not retaliate or tolerate retaliation against anyone who makes a good faith report of discrimination, harassment, or bullying.

*Updated December 2, 2021*

# Conflict of Interest and Bias Definitions

- “Conflict of interest” means any financial or other interest which conflicts with the participation of an individual in particular decisions of the institution because the interest (1) could significantly impair the individual's objectivity or (2) could create an unfair competitive advantage for any person or organization.
- “Bias” ordinarily relates to views stated or positions taken that are largely intellectually motivated or that arise from the close identification or association of an individual with a particular point of view or the positions or perspectives of a particular group.

# Conflict of Interest

- Financial in nature;
- For individual and immediate family;
- Includes *current* employment, investment, and property interests and only lasts for the duration of the project;
- Details provided on forms are confidential;
- Financial conflicts are usually disqualifying

## Bias

- Perspective -- point of view;
- Expertise -- relevant to understanding and analyzing the issues;
- Goal is to achieve balance, not disqualify.



**Executive Committee Meeting Minutes**

January 10-11, 2024

Liberty LM Room (Meeting Level 4)

Marriott Marquis Hotel, Washington, DC

**Wednesday, January 10, 2024**

8 a.m.

Welcome and Announcements (Gutierrez-Scaccetti) Information

- a. Cover Memo
- b. b. Agenda
- c. c. Zoom Instructions
- d. d. Policy Statement on Preventing Discrimination, Harassment, and Bullying

8:20 a.m.

Self-Introductions; Bias/Conflict of Interest (All) Discussion

- There were no conflicts of interest reported.

8:27 a.m.

Introduction to Policy Session on Workforce Challenges (Lewis) Information

- a. 8:30 a.m.: Maritime Workforce Issues (Admiral Phillips) Presentation
- b. 8:55 a.m.: Challenges and Solution (Blair Cronin) Presentation
- c. 9:15 a.m.: Growing Future Talent (Ivey) Presentation
- d. 9:35 a.m.: Real World Application (Quezada) Presentation
- e. 9:50 a.m.: Break
- e. 10:15 a.m.: Policy Discussion (All) Presentation

12:15 p.m.

Lunch in Marriott Marquis, Shaw & LeDroit Park

1:10 p.m.

Walk to Convention Center

1:30 p.m.

Chair's Plenary Session, Convention Center (Ballroom ABC) (Gutierrez-Scaccetti) Information

3 p.m.

Adjourn

3:45 p.m.

OPTIONAL: New Materials for Infrastructure Reinventing the Roadway, Runway, and Railway, Convention Center (Ballroom ABC) (U.S. DOT) Information

5 p.m.

Executive Director's Reception, Marriott Marquis, Shaw & LeDroit Park Room (Sheehan)

### **Thursday, January 11, 2024**

8:40 a.m.

June 2024 Policy Session (Houston) Action and Discussion

8:55 a.m.

Executive Director's Report (Sheehan) information

- More than 14,000 registrants
- She talked a lot about how our web presence needs to be re-examined.

9:30 a.m.

Technical Activities Report (Grimes/Brach) Information

9:50 a.m.

TRB Division Committee Report (Hendrickson) Information

10 a.m.

Critical Issues in Transportation Update (Shaheen) Discussion

10:15 a.m.

USDOT RD&T Strategic Plan Update (Hampshire) Information

10:30 a.m.

Decarbonation Blueprint Update (Berube/Simon) Information

10:45 a.m.

Break

11 a.m.

Diversity, Equity, and Inclusion Committee (Febey) Information

11:05 a.m.

Minority Student Fellows Programs (Febey) Information

11:10 a.m.

Young Members Council (Kontou) Information

11:15 a.m.

International Subcommittee (Iwasaki) Information

11:20 a.m.

Marine Board Update (Menzies) Information

11:25 a.m.

Communications Update (Mackie) Information

11:40 a.m.

CRP Update (Houston) Information

12 p.m.

Consensus and Advisory Studies Update (Menzies) Information

12:05 p.m.

Other Business (Gutierrez-Scaccetti) Information

12:10 p.m. Adjourn

Full list of attendees:

#### CHAIRS

- Dinae Gutierrez-Scaccetti; Commissioner, New Jersey Department of Transportation
- Carol Lewis, Professor, Transportation Studies, Texas Southern University

#### MEMBERS

- Carlos M. Bracerias, Executive Director, Utah Department of Transportation
- Nancy Daubengerger, Commissioner of Transportation, Minnesota Department of Transportation
- Marie Therese Dominguez, Commissioner, New York State Department of Transportation
- Ginger Evans, President, Tower Consulting, LLC
- Nathaniel Ford, Chief Executive Officer, Jacksonville Transportation Authority
- Chris T. Hendrickson, Hamerschlag University Professor of Engineering Emeritus, Carnegie Mellon University
- Randell Iwasaki, President and CEO, Iwasaki Consulting Services
- Hani Mahmassani, W. A. Patterson Distinguished Chair in Transportation, Northwestern University
- Richardo Martinez, Adjunct Professor of Emergency Medicine, Emory University School of Medicine
- Michael R. McClellan, VP Strategic and Network Planning, Norfolk Southern Corporation
- Craig Philip, Research Professor and Director, VECTOR, Department of CEE, Vanderbilt University
- Steward Pickett, Distinguished Senior Scientist, Cary Institute of Ecosystem Studies
- Leslie S. Richards, General Manager, Southeastern Pennsylvania Transportation

## EX OFFICIO MEMBERS

- Michael R. Berube, Acting Deputy Assistant Secretary for Sustainable Transportation, U.S. Department of Energy
- Amit Bose, Administrator, Federal Railroad Administration
- Steven Cliff, Executive Director, California Air Resources Board
- Nuria Fernandez, Administrator, Federal Transit Administration
- John T. Gray, Senior Vice President Policy and Economics Association of American Railroads
- Robin Hutcheson, Administrator, Federal Motor Carrier Safety Administration
- Eleftheria (Ria) Kontou, Assistant Professor, University of Illinois Urbana-Champaign
- Karl Simon, Director, Transportation and Climate Division
- Paul P. Skoutelas, President and CEO, American Public Transportation Association
- Polly Trottenberg, Deputy Secretary of Transportation, U.S. Department of Transportation
- Jim Tymon, Executive Director, American Association of State Highway and Transportation Officials

## Technical Activities Council Representatives

- George Avery Grimes, CEO Advisor, Patriot Rail Company
- Tara Cavalline, Associate Professor, University of North Carolina, Charlotte
- William Eisele, Senior Research Engineer, Texas A&M Transportation Institute
- Eleftheria Kontou, Assistant Professor, University of Illinois, Urbana-Champaign

## VIRTUAL OBSERVERS

- Tristan Brown, Deputy Administrator, Pipeline and Hazardous Materials Safety Administration
- Joel Jundt, Secretary of Transportation, South Dakota Department of Transportation
- Scott Marler, Director, Iowa Department of Transportation
- Russell McMurry, Commissioner, Georgia Department of Transportation

## OTHER USDOT ATTENDEES

- Maryam Allahyar Wyrick, Director of Research, Development, & Technology, Federal Railroad Administration
- Firas Ibrahim, Director, Office of Research, Development, and Technology, Office of the Assistant Secretary for Research and Technology
- Tim Klein, Director, Technology Policy and Outreach, Office of the Assistant Secretary for Research and Technology (OST-R)
- Mary Leary, Associate Administrator, Office of Research, Demonstration, and Innovation, Federal Transit Administration (FTA)
- Kelly Regal; Associate Administrator for Research, Development, and Technology; Federal Highway Administration
- Gloria Shepherd, Executive Director, Federal Highway Administration
- Urdley Smith, U.S. Coast Guard
- Nanda Srinivasan; Associate Administrator for Research, Development, and Technology; National Highway Traffic Safety Administration
- Matthew Welbes, Executive Director, Federal Transit Administration

## TRB Staff

- Victoria Sheehan, Executive Director
- Ann Brach, Director, Technical Activities
- Scott Brotemarkle, Marine Board Program Director, Senior Program Officer
- Patrice Davenport, Deputy Director, TRB Program Development & Strategic Initiatives
- Karen S. Febey, Senior Report Review Officer
- Russell W. Houston, Associate Executive Director
- Claudette Louard-Clarke, Director, Human Resources
- Paul Mackie, Director, Communications/Media, Office of the Chief Communications Officer
- Stephen Maher, Deputy Division Director for Program Content, Technical Activities Division
- Thomas Menzies, Director, Consensus and Advisory Studies
- Sierra Reffell, Executive Assistant
- Gary Walker, Senior Deputy Director, TRB Program Finance, Office of Chief Financial Office

## Policy Session Speakers

- Rear Admiral Ann Phillips, Administrator, U.S. Maritime Administration
- Candace Blair Cronin, Senior Advisor, FMP Consulting
- Stephanie Ivey, Associate Dean of Research, Professor, Herff College of Engineering, The University of Memphis
- Jorge Quezada, Vice President, People and Culture, Granite Construction

## Invited Policy Session Guests

- Sreenivas Alampalli, Stantec
- Ambrose Alward – Metro Analytics
- Harnit Anand – GM Future Roads
- Ryan Anderson – Tigerbrain Engineering, Inc.
- Bernie Arseneau – HDR
- John Barton – HNTB Corporation
- Terry Bills – Esri
- Claudia Bilotto – WSP
- Susan Binder – Cambridge Systematics
- Jason Bittner – Applied Research Associates, Inc.
- Sheilah Brous – Bentley Systems
- Stephen Buckley – Kimley Horn
- Mara Campbell – Jacobs
- Rob Cary – Deloitte
- Candace De – Jacobs
- Chandler Duncan – Metro Analytics
- Richard Dunne – GPI
- Kim Eccles – VHB
- John Evans – RSG
- Shervin Esfahani – Rekor
- Erin Flanigan – Applied Research Associates, Inc.
- Paula Hammond – WSP

- Pat Hickox – HDR
- Christopher Hill – MITRE
- Chris Holmes – Tigerbrain Engineering, Inc.
- Tony Hunley – Michael Baker International
- David Kim – WSP
- Keith King – Esri
- Julie Lorenz – Burns and McDonnell
- Lorenzo Meschini – PTV Group
- Jason McGlashan – HDR
- Thomas McLaughlin – HDR
- Adrian Moore – Reason Foundation
- Dan Murphy – Replica
- Jack Nager – Deloitte
- Hyun-A Park – Spy Pond Partners, LLC
- Steve Perone – PTV Group
- Rodger Prunty – Tigerbrain Engineering, Inc.
- Melissa Savage – Jacobs
- Batian Schroeder – Kittelson and Associates
- Marc Scribner – Reason Foundation
- Paula Sind-Prunier – NTSB
- Vikash Srivastava – Rekor
- Kirk Steudle – Steudle Executive Group
- Rhonda Stricklin – Alabama Transportation Institute
- Brian Taylor – Drivewyze
- Christopher Tomlinson – Deloitte
- Katherine Turnbull – Texas A&M Transportation Institute
- Steve Varnedoe – Mott Macdonald
- Bill Vavrik – Applied Research Associates, Inc.
- Amanda Warner – United States Forest Service
- Jannet Walker-Ford – WSP
- Gary Waters – Esri
- Paul Zamksy – Rekor

## **Proposals for TRB Convened and Co-sponsored Conferences Approvals (ACTION – Consent Agenda)**

The following criteria are used in evaluating proposals for conferences, workshops, and similar activities. In general, an activity should not be proposed unless it draws a favorable response to all applicable criteria. The TRB staff and the proposing committees feel that the conferences being proposed satisfy these criteria.

Criteria to consider when approving –

- Is the proposed activity consistent with TRB’s mission?
- Does it have a high probability of producing worthwhile results?
- Is the purpose of the activity objective and noncommercial? (Might the undertaking of the activity or the potential result give TRB an image of bias in an area in which it must remain neutral?)
- Are the available time and funding adequate to conduct it in a proper manner and to carry it to a logical conclusion?
- Is it within the existing staff capability of TRB or a capability that can reasonably be established?
- Can committee members necessary to guide it be identified and their services obtained?
- Does TRB retain the requisite control? Alternately, in case where TRB is not the lead organization, will TRB be involved in developing the program, and will TRB receive appropriate recognition?
- Does it duplicate other efforts? Has the subject received all of the attention that is justified for the present time?
- Is there a more appropriate organization, within the National Research Council or elsewhere, to handle it?

Executive Committee approval is requested for the upcoming TRB Convened and TRB Co-sponsored conferences presented on the forthcoming pages –

## TRB Cosponsored Conference Proposals

<b>Event Title</b>	73rd Highway Geology Symposium
<b>Staff Officer Name</b>	Nancy Whiting
<b>TRB Sponsorship</b>	Cosponsored
<b>Date Description</b>	September 9-12, 2024
<b>Event Type</b>	Conference
<b>Event Status</b>	Proposed
<b>City</b>	Lawrence
<b>State</b>	Kansas
<b>Country</b>	United States
<b>Event Description</b>	<p>The purpose of the Highway Geology Symposium (HGS) is to foster better communication between geologist from different transportation agencies and better understanding and closer cooperation between geologists and civil engineers in the highway industry.</p> <p>TRB Committee(s) propose to develop a workshop at HGS that will highlight how geophysical and in-situ direct-push, boring, and sampling tools and techniques can be used in a complimentary fashion to perform efficient phased site investigations for assessment of geotechnical parameters, areas of additional interest, assessment of variability, and creation of geotechnical design models. Phased investigations are becoming increasingly common, make better use of drilling and sampling resources, increase productivity, decrease site disruption, save time, and reduce cost.</p> <p>This mid-year workshop is intended to compliment an unusual aspect of this year's HGS- two each ½-day field events demonstrating in-situ instrumentation techniques (MWD, CPT, Rock Coring, Shelby Tube, SPT, acoustic and optical televewers) and surface geophysical methods (electrical resistivity, seismic/MASW, and GPR). The first HGS field event (1-D site boring + sounding, downhole, investigation) is Monday afternoon and the second event (2-D geophysics) surface methods and downhole geophysics will be Thursday afternoon, following the proposed TRB workshop. The content presented at the workshop will compliment and be supplemented by the field demonstrations on Monday and Thursday. Each event is intended to showcase the instrumentation tools, drilling/sampling/operational techniques, and provide opportunities for participants to ask the operators about procedures and output reporting from the operations/tests. The location will be located at the Kansas Geologic Survey facility approximately 8 minutes from the conference hotel. The geophysical instruments may, in particular, provide the opportunity for participants to "discover" buried utilities, buried infrastructure (culverts) or see both the in-situ arrangement of sensors and processed output.</p>

<b>Convening Organization</b>	The Highway Geology Symposium Steering Committee
<b>Other Sponsors</b>	Other Sponsors/patrons include: Maccaferri, Ameritech Slope Constructors, Geobruigg Protection, BGC Engineering, Inc, Systems, WSP, GeoStabilization International Access Limited Construction, Landslide Technology
<b>Anticipated Attendance</b>	120-150 total (~60 to the TRB Workshop)
<b>Committees</b>	TRB Standing Committee on Instrumentation and Modeling, AKG60 is the primary committee involved in developing the 1/2-day workshop. Several other chairs and members of committees within the AKG00 Geology and Geotechnical Engineering Section are involved in other aspects of the HGS Symposium.

<b>Event Title</b>	2025 International Conference on Ecology and Transportation
<b>Staff Officer Name</b>	Anusha Jayasinghe
<b>TRB Sponsorship</b>	Cosponsored
<b>Date Description</b>	May 11-15, 2025
<b>Event Type</b>	Conference
<b>Event Status</b>	Proposed
<b>City</b>	Denver
<b>State</b>	CO
<b>Country</b>	USA
<b>Event Description</b>	<p>ICOET continues to serve as an invaluable conduit for transportation and ecology professionals to share applicable research and best practices, and to transfer knowledge between experienced practitioners and future leaders. Over 500 professionals from dozens of countries regularly attend ICOET, which brings together transportation industry biologists, engineers, planners, project managers, administrators, researchers, consultants, product manufacturers, and other decision-makers to address environmental issues from multiple disciplines and seek shared solutions. Participants come from state and federal transportation departments and resource agencies, universities, private corporations, nongovernmental organizations, local and regional planning organizations, and tribal agencies. The event rotates to different states every two years and involves the participation and support of the state DOT staff, thus ensuring both relevant topics as well as a diversity of thought.</p> <p>The ICOET program includes podium presentations, posters on current research, panels, workshops, field trips, and exhibits on topics of interest to researchers, biologists, engineers, planners, project managers, administrators, and policy makers. The folks that regularly attend ICOET represent thousands of professionals that work for government, Tribal, academic, non-governmental and private industry from the United States and other countries.</p>

	<p>Building on the 2023 ICOET Conference this 14th biennial conference in 2025 will:</p> <ul style="list-style-type: none"> <li>• Bring experts around the world to exchange knowledge &amp; best practices on the interrelationship of ecology &amp; transportation.</li> <li>• The sharing of ideas through presentations, panel discussion, breaks, lunches, receptions, and field trips.</li> <li>• Expand the shared knowledge and learn about the cutting edge of science on the topic of ecology and transportation.</li> </ul>
<b>Convening Organization</b>	International Conference on Ecology and Transportation
<b>TRB Role - Cosponsored</b>	<p>Committee member(s) to organize or participate in session(s)</p> <p>Committee member(s) to review papers/abstracts.</p> <p>Committee member(s) to serve on program committee</p>
<b>Other Sponsors</b>	Colorado Department of Transportation, Colorado Parks & Wildlife Department and University of California Davis Road Ecology Center
<b>Anticipated Attendance</b>	around 500
<b>Target Audience</b>	The target audience will be comprised of environmental professionals, government officials, scientists, ecologists, NEPA practitioners, transportation officials, government decision-makers and resource agencies.
<b>Committees</b>	The Standing Committee on Environmental Analysis and Ecology in Transportation (AEP70)

<b>Event Title</b>	National RTAP 6th Biennial Training, Technical Assistance, and Research Conference for Rural, Tribal, and Intercity Bus
<b>Staff Officer Name</b>	Claire Randall
<b>TRB Sponsorship</b>	Cosponsored
<b>Date Description</b>	October-November 2025
<b>Event Type</b>	Conference
<b>Event Status</b>	Proposed
<b>City</b>	Austin
<b>State</b>	Texas
<b>Country</b>	USA

<b>Event Description</b>	<p>The National Rural Transit Assistance Program (National RTAP) holds a training-focused conference every two years. The TRB Standing Committee on Rural, Intercity Bus, and Specialized Transportation (AP055) has held a research-focused conference, the Rural Intercity Bus Transportation Conference (RIBTC), about every two years since the 1970s.</p> <p>National RTAP seeks TRB’s co-sponsorship for the organization’s fall 2025 conference. TRB volunteers will lead the call for abstracts and program development. National RTAP will handle all other matters. AP055 will not be involved in venue selection, logistics planning, event registration, or any other financial aspect or contractual arrangements of the event.</p> <p>The conference will create a cross-pollination of ideas and learning concerning funding, regulation, administration, operations, technology, and other important perspectives. The conference will bring tribal, federal, state, and local professionals into the same spaces and offer a valuable experience for rural transit and human service transit providers, tribal transit managers, state agency staff, intercity bus operators, consultants, researchers, and trainers. The conference program will include topical learning routes, such as: planning, design, and research; policy, funding, and finance; special topics on mobility; rural and tribal transportation; and better mobility through technology.</p>
<b>Convening Organization</b>	National Rural Transit Assistance Program (National RTAP, funded by the Federal Transit Administration)
<b>TRB Role - Cosponsored</b>	<p>Committee member(s) to organize or participate in session(s)</p> <p>Committee member(s) to review papers/abstracts.</p> <p>Committee member(s) to serve on program committee</p>
<b>Other Sponsors</b>	May include the Texas Department of Transportation, Public Transportation Division and/or Texas Transit Association
<b>Anticipated Attendance</b>	450-600
<b>Committees</b>	TRB Standing Committee on Rural, Intercity Bus, and Specialized Transportation (AP055)

**NATIONAL ACADEMIES** Sciences  
Engineering  
Medicine

**TRB** TRANSPORTATION RESEARCH BOARD

# Transportation Research Board

## Victoria Sheehan

*Executive Director's Report*



1

## Resources to Sustain our work

**Sponsors, Patrons & Global Affiliates**



**Engaged Employees & Volunteers**

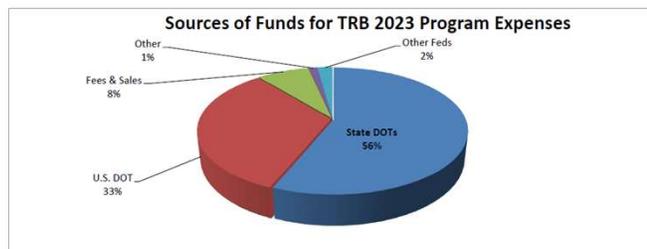


**NATIONAL ACADEMIES** Sciences  
Engineering  
Medicine

2

## TRB Spending by Program and Source(s) of Funds

	2022 Act.	2023 ACT.
• Core Technical Activities	\$14.66M	\$16.08M
• Cooperative Research programs	\$66.58M	\$62.87M
• Rail Safety IDEA	\$482K	\$119K
• Evaluation of FHWA Research	\$174K	\$1.01M
• Policy Studies	\$4.06M	\$4.78M
• Conferences, Workshops, Forums	\$2.13M	\$2.88M
• Marine Board	\$345K	\$320K
• <b>TOTAL</b>	<b>\$88.44M</b>	<b>\$87.88M</b>

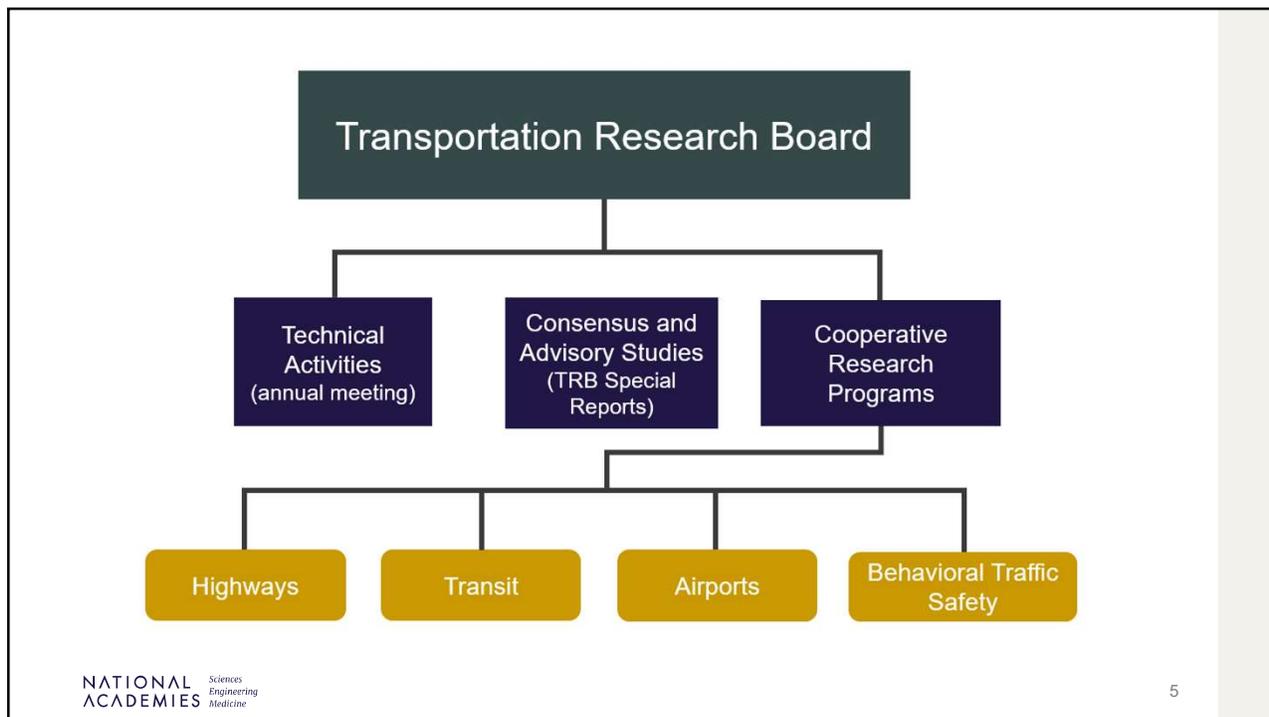


3

TRB Direct 2024 Planned vs Actual FTE



4



5

## Monique Evans Joining TRB as Director, Cooperative Research Program



Monique Evans will start July 8 as Director of TRB's Cooperative Research Program, which includes units on highways, transit, airports, and behavioral traffic safety. She has served since 2018 as Director of the Federal Highway Administration's Eastern Federal Lands Highway Division. At FHWA, Evans helped lead more than 260 employees in delivering more than 200 annual road and bridge improvement projects on federal and tribal lands such as national parks, wildlife refuges, and Indian reservations. Before her last position, she had been with FHWA in various roles since 2010 and also spent 20 years at the Ohio Department of Transportation, including as its Administrator of the Office of Research and Development.

6

## CRP By the Numbers

Program	Planning	Active w/ SA	SA Exec 2024	SA Pending 2024	2024 Completed
NCHRP	91	211	65	59	49
TCRP	*	39	3	2	5
ACRP	**	48	10	11	9
BTSCRIP	6	11	0	4	3
Totals	97	309	78	74	66

\* Project Selection June 27

\*\* Project Selection July 17 & 18

SA = Subawards

7

## Consensus and Advisory Studies Division

- 2 Reports completed since January
- 15 active studies and 6 reports scheduled to be release before the end of 2024
- 4 pending studies
- 5 being tracked in pending legislation
- Hosted the Seventh EU-US Transportation Research Symposium – Global Pathways to Net-Zero



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## Technical Activities Division

- 2024
  - Attendance ~14,000
  - Popular new activity:



- 2025:
  - New Annual Meeting website for the 2025 meeting lauched
  - Call for papers is open and submission deadline is August 1
  - Surveying volunteers and committees to evaluate changes to 2026 Annual Meeting

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## 2024 Conferences

- 2<sup>nd</sup> International Roadside Safety Conference
- 4<sup>th</sup> International Conference on Access Management
- 63<sup>rd</sup> Annual Workshop on Transportation Law
- 2<sup>nd</sup> Conference on Advancing Transportation Equity
- Automated Road Transportation Symposium
- Symposium on Managed Lanes
- Transportation Symposium on Environment, Energy, and Livable Economies
- 7<sup>th</sup> International Conference on Women and Gender in Transportation
- Conference on Advancing Additive Manufacturing and Construction in Transportation

Get more information under Events on TRB website, including links to conference website.

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# Review of TRB Policies and Procedures

## Composition and Balance, Conflicts of Interest, and Independence: Policies and Procedures

SHARE f t in

The National Academies of Science, Engineering, and Medicine have adopted policies that are intended to ensure that the hundreds of committees of volunteers appointed each year to participate in the work of the National Academies can successfully fulfill their charge. These policies address committee composition and balance, committee member conflicts of interest, and the independence of committee members from project sponsors. The policies and forms can be accessed through the following links:

### Committees Used in the Development of Findings, Conclusions, and Recommendations

- Policy on Composition and Balance, Conflicts of Interest, and Independence for Committees Used in the Development of Findings, Conclusions, and Recommendations
- Conflict of Interest and Disclosure Form for Committees Used in the Development of Findings, Conclusions, and Recommendations

### Committees Used to Plan Workshops, Symposia, and Other Similar Activities

- Policy on Composition and Balance, Conflicts of Interest, and Independence for Committees Used to Plan Workshops, Symposia and Other Similar Activities
- Conflict of Interest and Disclosure Form for Committees Used to Plan Workshops, Symposia and Other Similar Activities

### Boards and Committees Used for Institutional Oversight

- Policy on Composition and Balance and Conflicts of Interest for Boards and Committees Used for Institutional Oversight
- Conflict of Interest and Disclosure Form for Boards and Committees Used for Institutional Oversight

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## What/Who influences the products/services we provide and how we provide them.

Sponsors - Individual Agreements (contracts) with each sponsor

Source of Funds – Influences both type of work and how the work can be progressed.

National Academy of Sciences - Fiduciary Responsibility

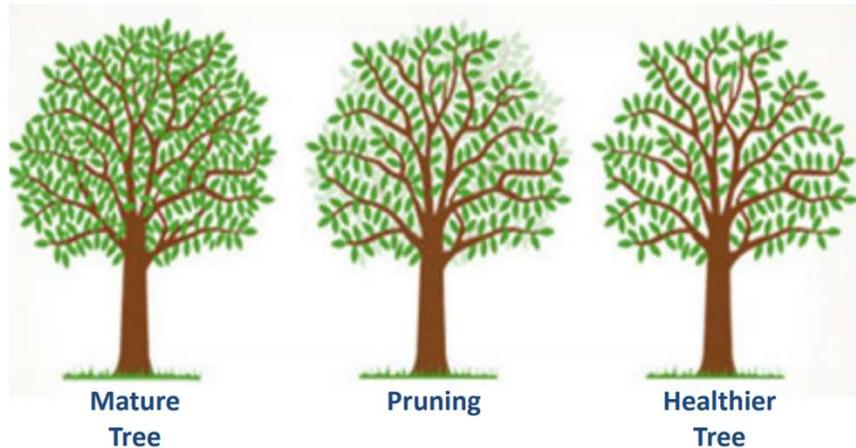
National Academies – National Research Council Governing Board

Program Guidance – Division Committee (NRC), Executive Committee (Represent NRC and Sponsors) & Technical Activities Council (Represent Committees and Volunteers)

Responsibility for compliance – *TRB staff*

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## Objectives of Committee Restructuring



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## Technical Activities Division

### Mission

The Technical Activities Division supports TRB's mission of promoting innovation and progress in transportation through research and information exchange by identifying needed research and research in progress, and disseminating completed research results.

### Who We Are

The Technical Activities Division provides a forum for transportation professionals to identify, facilitate, and share research and information related to transportation. The Division carries out activities on behalf of TRB sponsors and the transportation community through a network of nearly 200 standing committees comprising more than 5,000 volunteers.

### What We Do

- The [TRB Annual Meeting](#) is the largest transportation conference in the world with 800 sessions, workshops and 500 meetings that attracts nearly 14,000 professionals from around the globe. The Annual Meeting is held in January of every year in Washington, DC.
- [Conferences, Meetings, Webinars, and Workshops](#) are sponsored and cosponsored by many of the Division's standing committees.
- [Transportation Research Record \(TRR\)](#) publishes approximately 900 peer-reviewed papers each year in all transportation modes and related disciplines.
- Other Publications are produced by the Technical Activities Division that showcase transportation innovations and research results through [Conference Proceedings](#) and [Transportation Research Circulars](#).
- [Research Needs Statements](#) identify current gaps in research, encouraging researchers around the world to take up the challenge and fill these gaps.

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# Standing Committee Alignment with Critical Issues & with Strategic Plan

- Decentralized websites – can’t easily articulate what committees are discussing
- Triennial Plans – also not easily searched, or stale as much can change in 3 years
- Subcommittees- unofficial, who is serving, what are they focused on?
- A lot of collaboration is happening across committees – not easy to track
- There is overlap and redundancy – some is healthy, but needs to be minimized
- Coordinating Councils- Rural, City, Young Members, International and TAC.
- Conference topics – Frequency of conferences on each topic, lead to an inference of TRB’s priorities.

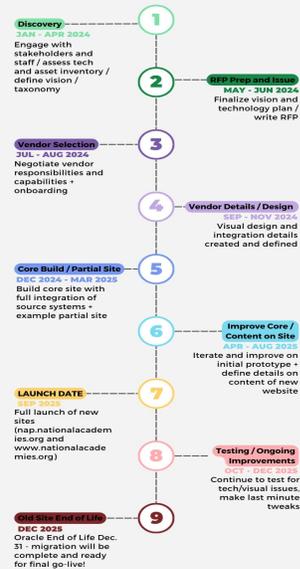
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## The Next Unified Web: UWNXT

Unified Web

In December 2023 there was an announcement from Oracle that the NASEM current content management system (CMS) would be “End of Life” as of Dec. 31, 2025, prompted us to immediately start work on the requirements, and specifications for the Next Unified Web. A recent uptick in web outages, reduced back-end vendor support, and a general desire to improve user experiences on our website has meant that expediting this transition has become an urgent priority.

### PROJECT TIMELINE



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# Committee Websites

Women and Gender in Transportation  
Transportation Research Board Standing Committee (AME20)

Home About Events TREAM Triennial Strategic Plan Emerging Scholars Resources Contact



17

# Diversity, Equity, and Inclusion (DE&I) Strategic Plan

## Mission

TRB's Diversity, Equity, and Inclusion (DE&I) Initiative's mission is to create and foster an inclusive environment that leads to increased diversity of participants in TRB and equitable outcomes for the transportation system.



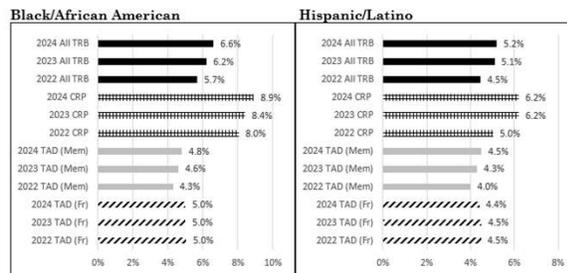
18

## Diversity Data and Surveys

- Positive – Response rate is increasing

	TAD Friends (Fr)			TAD Members (Mem)			CRP			Unique TAD & CRP		
	2022	2023	2024	2022	2023	2024	2022	2023	2024	2022	2023	2024
N Unique Volunteers	18991	18711	16455	4419	4171	4047	3425	3351	3281	7024	6740	6562
N Reporting Race/Ethnicity	8047	11180	11539	3248	3549	3569	2028	2636	2684	4574	5462	5541
Response Rate	42.4%	59.8%	70.1%	73.5%	85%	88.2%	59.2%	78.7%	81.8%	65%	81%	84.4%

- Negative – Makes it challenging to measure progress



## Gratitude

- Support from National Academies’ leadership.
- Support from the leadership of the Ex. Committee.
- Ongoing resilience and adaptability of the TRB staff.
- Continued commitment, dedication, of TRB’s volunteers.
- Financial support from TRB’s sponsors, global affiliates, patrons, exhibitors, and individuals.
- Thank you!!

Table 1

### TRB Spending by Program and Source(s) of Funds

	2021 act.	2022 act.	2023 act.	2023 Source(s) of Funds
Core Technical Activities	\$14,049,000	\$14,659,000	\$16,076,000	State DOTs (54%), Fees & Sales (26%), USDOT(16%), Other (4%)
Cooperative Research Programs				
NCHRP	\$40,463,000	\$45,215,000	\$40,883,000	State DOTs (99%) FHWA (1%)
ACRP	\$12,476,000	\$13,994,000	\$14,515,000	FAA
TCRP	\$4,687,000	\$5,277,000	\$4,942,000	FTA
BTSCRP	\$1,675,000	\$2,092,000	\$2,351,000	NHTSA/GHSA
Rail Safety IDEA	\$223,000	\$482,000	\$119,000	FRA
Evaluation of FHWA Research Projects	\$715,000	\$174,000	\$1,014,000	FHWA
Policy Studies	\$2,611,000	\$4,061,000	\$4,775,000	OST-R (18%), FMCSA (14%), FAA (14%), FRA (13%), FHWA (10%), Coast Guard (9%), Policy Fund (8%), FMC (7%), PHMSA (4%), FTA (2%)
Conferences, Workshops, & Forums	\$1,393,000	\$2,134,000	\$2,884,000	Registration Fees/Core (84%), Other (6%), FHWA (5%), State DOTs (5%)
Marine Board	\$345,000	\$348,000	\$320,000	Army (24%), Coast Guard (24%), ONR (21%), NOAA (13%), BSEE (9%), MARAD (6%), Navy (4%)
<b>Total</b>	<b>\$78,637,000</b>	<b>\$88,436,000</b>	<b>\$87,879,000</b>	

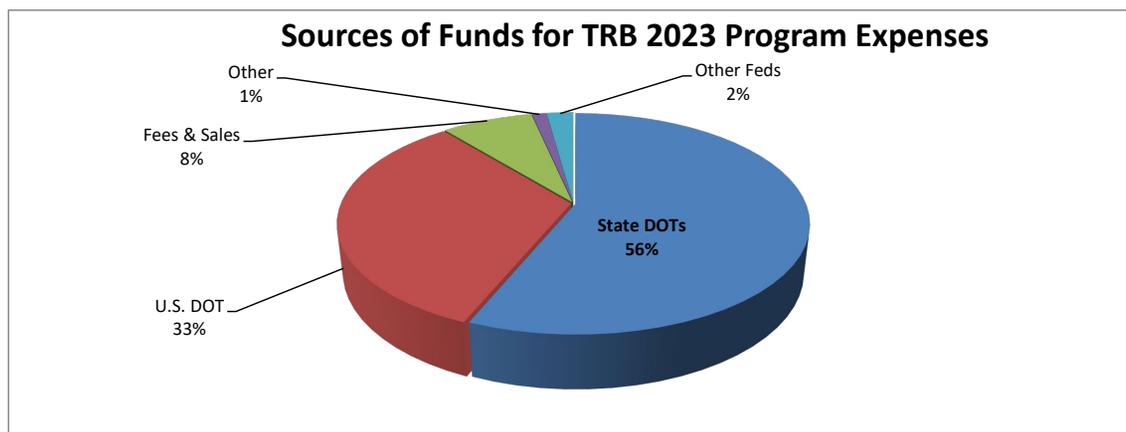


Table 2

## TRB CORE BUDGET ESTIMATE FOR SIX FISCAL YEARS (July 1 - June 30)

	<u>FY2023 (act)</u>	<u>FY2024</u>	<u>FY2025</u>	<u>FY2026</u>	<u>FY2027</u>	<u>FY2028</u>
<b><u>Revenue</u></b>						
State Highway & Transportation Departments (State DOTs)	9,201,000	9,385,000	9,573,000	9,764,000	9,959,200	10,158,000
Federal Highway Administration (FHWA)	1,400,000	1,400,000	1,400,000	1,400,000	1,400,000	1,400,000
Other Federal Agencies						
Office of the Assistant Secretary for Research and Technology (OST-R)	300,000	300,000	300,000	300,000	300,000	300,000
Federal Transit Administration (FTA)	250,000	250,000	250,000	250,000	250,000	250,000
National Highway Traffic Safety Administration (NHTSA)	250,000	250,000	250,000	250,000	250,000	250,000
Federal Motor Carrier Safety Administration (FMCSA)	77,000	79,000	81,000	83,000	85,000	87,000
Federal Aviation Administration (FAA)	77,000	79,000	81,000	83,000	85,000	87,000
Federal Railroad Administration (FRA)	77,000	79,000	81,000	83,000	85,000	87,000
Pipeline and Hazardous Materials Safety Administration (PHMSA)	77,000	79,000	81,000	83,000	85,000	87,000
USDOT Office of the Under Secretary for Policy (S2/S3)	77,000	79,000	81,000	83,000	85,000	87,000
Department of The Interior (DOI)	85,000	85,000	85,000	85,000	85,000	87,000
Department of Energy (DOE)	77,000	79,000	81,000	83,000	85,000	87,000
Environmental Protection Agency (EPA)	77,000	79,000	81,000	83,000	85,000	87,000
Army Corps of Engineers (COE)	77,000	79,000	81,000	83,000	85,000	87,000
	<u>1,501,000</u>	<u>1,517,000</u>	<u>1,533,000</u>	<u>1,549,000</u>	<u>1,650,000</u>	<u>1,670,000</u>
Other Non-Federal						
Association of American Railroads (AAR)	77,000	79,000	81,000	83,000	85,000	87,000
American Public Transportation Association (APTA)	77,000	79,000	81,000	83,000	85,000	87,000
California Air Resources Board (CARB)	82,000	84,000	86,000	88,000	90,000	92,000
	<u>236,000</u>	<u>242,000</u>	<u>248,000</u>	<u>254,000</u>	<u>260,000</u>	<u>266,000</u>
TRB Fees & Sales	6,175,000	6,422,000	6,679,000	6,946,000	7,224,000	7,513,000
	<b><u>18,513,000</u></b>	<b><u>18,966,000</u></b>	<b><u>19,433,000</u></b>	<b><u>19,913,000</u></b>	<b><u>20,493,200</u></b>	<b><u>21,007,000</u></b>
<b><u>Expenses</u></b>						
Personnel Related Expenses	12,313,000	12,962,000	16,004,000	17,419,000	18,391,000	18,977,000
AM Logistics and Travel	2,012,000	2,350,000	2,421,000	2,494,000	2,569,000	2,646,000
Library, Publishing & Report Production	1,030,000	1,061,000	1,195,000	1,231,000	1,268,000	1,306,000
Staff/Committee Travel & Meetings	75,000	160,000	220,000	227,000	234,000	241,000
Other Costs	145,000	210,000	235,000	242,000	249,000	256,000
	<u>15,575,000</u>	<u>16,743,000</u>	<u>20,075,000</u>	<u>21,613,000</u>	<u>22,711,000</u>	<u>23,426,000</u>
<b><u>Reserves</u></b>						
Yearly Surplus/(Deficit)	2,938,000	2,223,000	(642,000)	(1,700,000)	(2,217,800)	(2,419,000)
Reserve Fund Balance	22,934,869	25,157,869	24,515,869	22,815,869	20,598,069	18,179,069
Percent of Core Operating Year	<b>137%</b>	<b>125%</b>	<b>113%</b>	<b>100%</b>	<b>88%</b>	<b>75%</b>

# **REPORT OF THE TRANSPORTATION RESEARCH BOARD DIVISION COMMITTEE January 1 through May 31, 2024**

## **BACKGROUND**

The Transportation Research Board (TRB) Division Committee (Div-Comm) liaises between the Governing Board of the National Research Council (NRC) and TRB. The Div-Comm ensures that TRB meets the NRC's standards for objectivity and ensures that its activities are appropriate for the NRC. Specifically, the Div-Comm monitors TRB's specially funded project committees and panel appointments, report review, and programs that are approved by the NRC Governing Board. In addition, it prepares the *Critical Issues* documents, develops the Executive Committee policy sessions, and advises on development of TRB's Strategic Plan. The Div-Comm Chair assists the Executive Committee with special project approvals requested of the NRC Governing Board.

In April 2024, the Div-Comm formally merged with the Subcommittee on Planning and Policy Review (SPPR) to reduce duplication between the two committees as most members of the Div-Comm were also SPPR members. Moving forward, the role of SPPR chair will now be vice chair and the membership will increase by 2-3 members.

Members of the 2024/2025 Div-Comm are Chris Hendrickson (NAE), Chair; Susan Shaheen, Vice Chair; Carol Lewis, Executive Committee Chair; Leslie Richards, Incoming Executive Committee Chair; Joel Jundt and Carlos Braceras, State DOT Representatives; Randall Iwasaki, At-Large Member; and Craig Philip (NAE), Academy Member Representative. Special thanks to George "Avery" Grimes, Diane Gutierrez-Scaccetti, and Tanisha Hall, who concluded their terms.

## **OVERSIGHT ACTIVITIES**

The following projects and committees were approved by the NRC Governing Board Executive Committee from January through May 2024.

### **Committee and Panel Approvals**

The Div-Comm Chair approved appointments to 1 Consensus and Advisory Studies (CAAS) committee and 47 Cooperative Research Program (CRP) panels:

- FAA Planning for Air Traffic Control Facility Staffing (CAAS)
- 23 from the Airport Cooperative Research Program (ACRP)
- 6 from the Behavioral Traffic Safety Cooperative Research Program (BTSCR)
- 4 from the National Cooperative Highway Research Program (NCHRP)
- 14 from the Transit Cooperative Research Program (TCRP)

### Report Review

From January 1 through May 31, 2024, the Div-Comm oversaw 48 projects from the CRPs:

Program	Research	Syntheses	Legal	Insight Events	Totals
ACRP	14	0	1	1	16
BTSCRIP	0	0	0	0	0
NCHRP	20	4	3	0	27
TCRP	4	1	0	0	5
<b>Totals</b>	<b>38</b>	<b>5</b>	<b>4</b>	<b>1</b>	<b>48</b>

And oversaw two reports from CAAS:

- Ensuring Timely Pipeline Shutdowns in Emergencies: When to Install Rupture Mitigation Valves?
- Reforming the Coast Guard's Certificate of Compliance Examination Program for Liquefied Gas Carriers

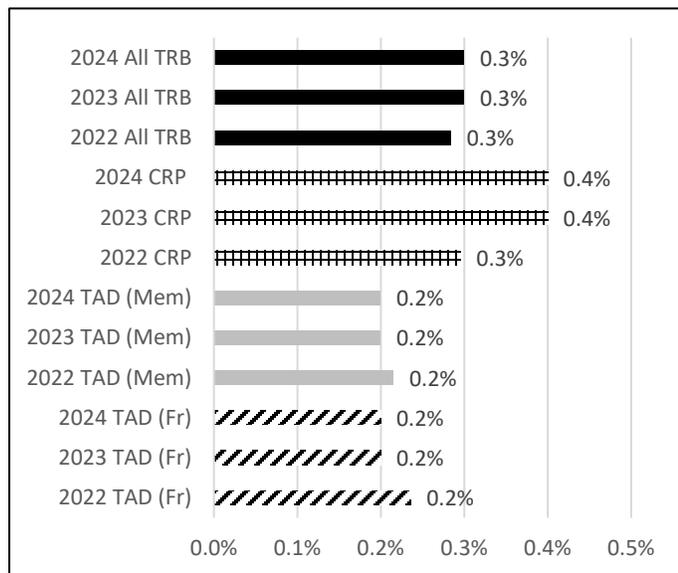
### Involvement in TRB by Race/Ethnicity and Sex

The Div-Comm monitors TRB’s progress in broadening participation of minorities and women as volunteers of standing committees in TAD, members of CRP panels, and CAAS committee members. When reporting their demographic data, volunteers can select one or more category to report their race and ethnicity. Only those who reported their race or ethnicity in one category are included because few volunteers who reported their race or ethnicity in more than one category.

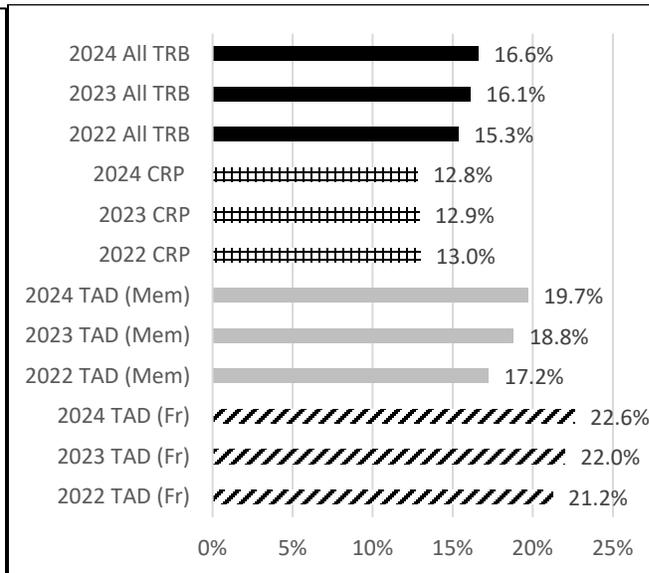
The denominator for reporting volunteers’ demographic data is those who have both updated and reported their demographic information—not the total number of volunteers. The tables below show the total number of unique volunteers broken out for TAD committees, CRP panels, and unique number of volunteers on CRP panels and TAD committees combined for 2022-2024. Demographic data are also reported for chairs in TAD and CRP. (TAD data will likely shift after June 15<sup>th</sup> once the committee rotation process is complete. Those data, along with data on CAAS committee members will be in the January 2025 report.)

	<i>TAD Friends (Fr)</i>			<i>TAD Members (Mem)</i>			<i>CRP</i>			<i>Unique TAD &amp; CRP</i>		
	2022	2023	2024	2022	2023	2024	2022	2023	2024	2022	2023	2024
N Unique Volunteers	18991	18711	16455	4419	4171	4047	3425	3351	3281	7024	6740	6562
N Reporting Race/Ethnicity	8047	11180	11539	3248	3549	3569	2028	2636	2684	4574	5462	5541
Response Rate	42.4%	59.8%	70.1%	73.5%	85%	88.2%	59.2%	78.7%	81.8%	65%	81%	84.4%

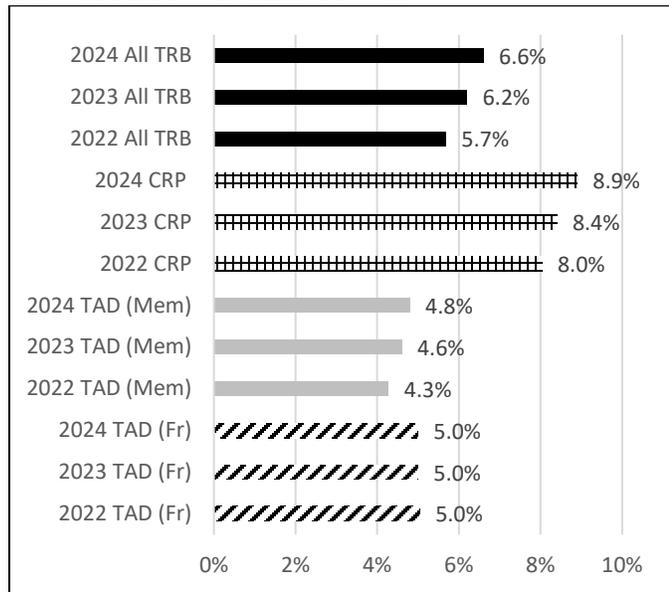
### American Indian/Alaska Native



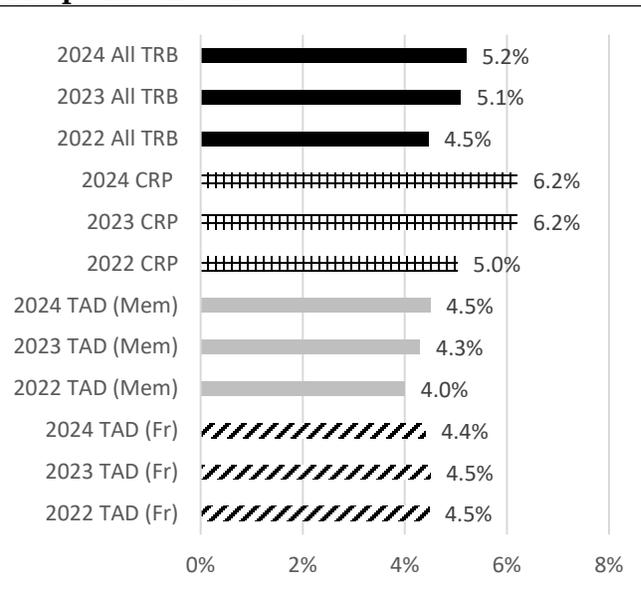
### Asian



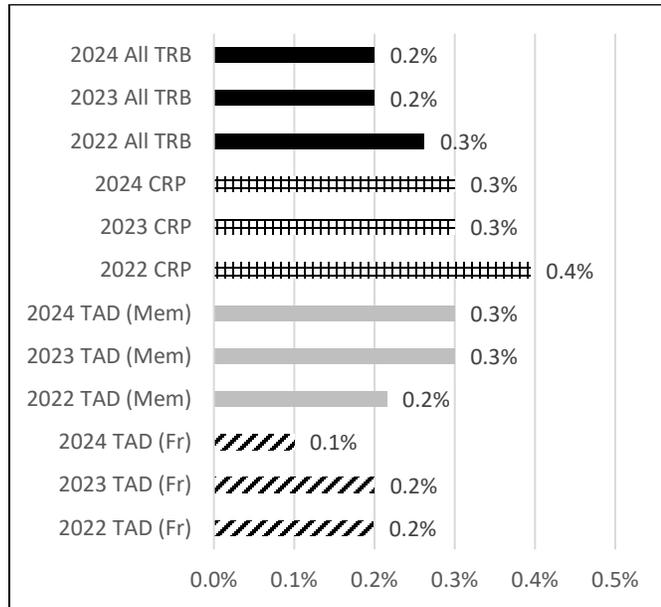
### Black/African American



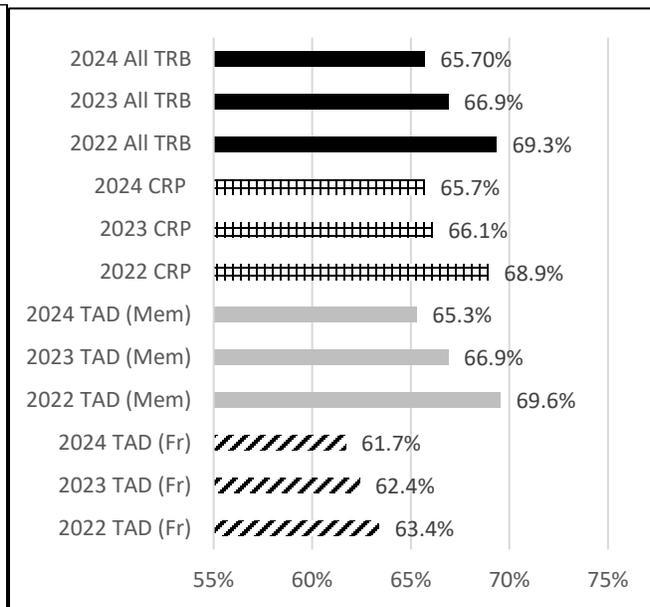
### Hispanic/Latino



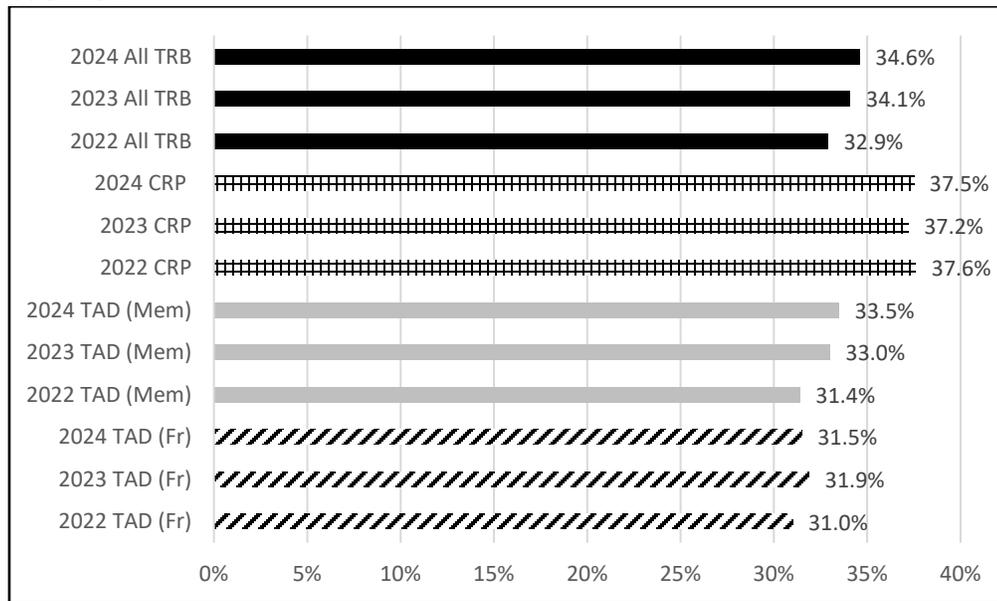
### Native Hawaiian/Pacific Islander



### White



### Women



**TAD Committee Leadership**

Data on committee leadership were also examined for TAD for those in the role of chair or co-chair for its sections, groups, councils, and standing committees.

	All Chairs	Providing Race/Ethnicity	Providing Gender	Women	All Minorities	Black/Hispanic/ Native American
2022 N	228	209	223	100	31	18
2022 %		91.7%	97.8%	44.8%	14.8%	8.6%
2023 N	223	207	223	100	41	18
2023 %		92.8%	100%	44.8%	19.8%	8.7%
2024 N	219	202	213	92	45	16
2024 %		92.2%	97.3%	43.3%	20.5%	7.3%

**CRP Committee Leadership**

Data on committee leadership were also examined for CRP for those who are in the role of chair or co-chair for its panels.

	All Chairs	Providing Race/Ethnicity	Providing Gender	Women	All Minorities	Black/Hispanic/ Native American
2022 N	492	334	342	132	90	51
2022 %		67.9%	69.5%	38.6%	26.9%	15.3%
2023 N	420	348	362	148	95	57
2023 %		82.9%	86.2%	40.9%	27.3%	16.4%
2024 N	412	356	372	159	100	63
2024 %		86.4%	90.3%	42.7%	28.2%	17.7%

# Critical Issues in Transportation

The Office of the Chief Communications Officer (OCCO) developed an interactive website for the Critical Issues in Transportation publications.

- Paul Mackie, TRB Director of Communication/Media, will brief the Executive Committee on the upcoming launch of the Critical Issues website.
- Before the website goes live, TRB will share with each of you a short Promotional Toolkit designed to help you easily share information with your colleagues and social-media followers.
- The website will launch on Tuesday, July 23. There will be several promotional efforts at that time as well as a long-term strategic editorial calendar to assist TRB in publicizing Critical Issues into the future.



**NATIONAL ACADEMIES** Sciences  
Engineering  
Medicine

**TRB** TRANSPORTATION RESEARCH BOARD

# Strategic Plan Alignment

## Victoria Sheehan

*June 23, 2024*

1

## TRB Goals

1. Prepare transportation professionals and decision makers to address current and future transportation-related challenges and opportunities.
2. Expand TRB’s impact and influence through its objective research, information exchange, and advisory activities.
3. Assure TRB’s continued creativity, resilience, and sustainability in an ever evolving world.

2

2

## Strategies For Each Goal

### Goal 2. Expand TRB's impact and influence through its objective research, information exchange, and advisory activities.

Expand TRB's national and international impact and influence by advancing knowledge, sharing lessons learned, and impacting policy through its objective research, information exchange, and advisory activities

- a. In planning TRB activities, identify actions that will expand each activity's impact
- b. Measure the impact of TRB's programs and activities
- c. Educate transportation stakeholders about TRB's programs, products, and activities.
- d. Communicate with transportation professionals and the public about transportation issues and research
- e. To enhance impact, build a diverse and deep network of partners.
- f. Ensure multidisciplinary involvement in addressing TRB's issues.

3

## Proposed Actions For Each Strategy

### Goal 2. Expand TRB's impact and influence through its objective research, information exchange, and advisory activities.

- b. Measure the impact of TRB's programs and activities
  - i. Develop both quantitative and qualitative performance metrics to measure the impact of TRB's convening activities, research studies and reports, TRB's consensus study reports, Transportation Research Record, TRID database, and communications efforts.
  - ii. Collect data and anecdotal information from users and sponsors on the short- and long-term impact of selected reports.
  - iii. Summarize impact data in TRB's annual report and in periodic reports for individual TRB programs.
  - iv. Working with oversight committees for each program area, adjust the program to focus on areas of greatest value and impact for TRB sponsors and stakeholders.
  - v. Survey members of key stakeholder groups to determine familiarity and satisfaction with TRB products and services and to understand how and the extent to which the products and services are being used by different audiences.
  - vi. Conduct an engagement survey of members of TRB standing committees, Cooperative Research Program research panels, and consensus study committees to evaluate their volunteer experience. Employ these data to improve volunteer outcomes

4

## Strategic Plan Implementation - Metrics

**Goal 2. Expand TRB's impact and influence through its objective research, information exchange, and advisory activities.**

# of unique individuals who are members and friends of TRB standing technical committees

# of attendees at the TRB Annual Meeting by academic/researcher, government employee, private sector

- # of first-time attendees
- # of sponsor employees
- # of Congressional staff
- # of international attendees
- # of private sector organizations involved in the TRB Annual Meeting

# of papers submitted and peer reviewed by topic

# of downloads of Transportation Research Record papers by topic

# of webinars and attendance at webinars by critical issue topic; % giving positive ratings of webinars

# of unique individuals who are members of CRP research panels and oversight committees

5

## NRC Core Values

Independence

Objectivity

Rigor

Inclusivity

Truth

Integrity

6

## Target setting -

- Current staff and funding what can we accomplish
- Lot of people doing great work - silos of excellence
- More integrated teams – define success
- Measuring the right things, but even to measure takes resources and time
- Need to start setting targets and prioritizing our activities to ensure that we are actually providing the most value to our sponsors and volunteers
- Volunteer capacity given demands on industry
- Passive vs. active volunteers - micro volunteerism

7

## Target setting -



8

## Data Collection and Analytics

**Data** – Invest in both data collection and analytics

- Review data that we have, how easily it can be collected, what frequency it can be collected.
- Ensure we collect the right data to help supervisors prioritize
- Establishing metrics, baselines and targets are understood and tracked consistently.

**Analytics** – Centralized (for cross training and Department wide support) or Imbedded in Division

**TRB Technical Activities Division Read-Ahead Information  
for Executive Committee  
June 2024**

## **Annual Meeting**

### *2024 Annual Meeting*

The final verified attendance for the 2024 Annual Meeting is 13,691, getting close to our record of 14,035 at the 2020 Annual Meeting. “Verified” attendance means we have evidence that this number of registrants showed up on site. It is the measure TRB has traditionally used so we continue to report it for consistency. Total registration is always a little higher because we don’t record everyone who comes on site and there are always a few no-shows who do not inform us that they don’t plan to come.

As we do each year, we surveyed attendees to the 2024 Annual Meeting to get their feedback on the meeting and better understand what they value about the TRB Annual Meeting. This year we hired a consultant to do a more sophisticated analysis of the results. One major take-away is that our meeting has a Net Promoter Score that is almost double the industry average. Of course, there is room for improvement, mostly in the way we communicate about the meeting. We will provide highlights of this analysis at the Executive Committee meeting.

### *2025 Annual Meeting*

The paper submission site for the 2025 Annual Meeting is open, with the submission deadline set at August 1. Committees have already submitted proposals for workshops. All other session information is due by October 1. We are looking at some new activities and approaches for the 2025 meeting, though as of this writing they have not been approved. We will share whatever is ready by the time the Executive Committee meets.

The Technical Activities Council will select the winner of the Deen Distinguished Lecturer award during their meeting on June 27. Because this is after the Executive Committee meeting, we will inform you of the results by email.

### *Annual Meetings beyond 2025*

Later this summer a survey will go out to all chairs and paper review coordinators to get their input on what is working for Annual Meeting submissions, what can be improved, and what potential new types of submissions we may wish to consider. The results of this survey will influence the Annual Meeting in 2026 and beyond.

## Conferences

TRB is putting more emphasis on the smaller conferences held throughout the year. These can be good opportunities for people who can't attend the Annual Meeting to experience the benefits of in-person events that are typically shorter and less expensive.

Between now and the 2025 Annual Meeting eight conferences will be held:

- Roadside Safety Conference, *June 23-28, Orlando, FL*
- Conference on Access Management, *June 24-26, Boston, MA*
- Workshop on Transportation Law, *July 7-10, Kansas City, MO*
- Conference on Advancing Transportation Equity, *July 15-18, Baltimore, MD*
- Automated Road Transportation Symposium, *July 29-August 1, San Diego, CA*
- Symposium on Managed Lanes, *August 12-14, Irvine, CA*
- Transportation Symposium on Environment, Energy, and Livable Economies, *August 25-28, Denver, CO*
- Conference on Women and Gender in Transportation, *September 9-11, Irvine, CA*
- Conference on Advancing Additive Manufacturing and Construction in Transportation, *November 7-8, Irvine, CA*

For more information, visit TRB's Events/Conferences page at <https://www.nationalacademies.org/trb/events?types=Conference>.

## ***Transportation Research Record***

Just this month, Dr. Marcia McNutt, President of the National Academy of Sciences, officially appointed the first Editor in Chief of the TRR. After a nationwide search we have selected Dr. Jennifer Dill of Portland State University to serve as the Editor in Chief. Dr. Dill has the combination of academic and practitioner experience that makes her an excellent choice for the TRR with its broad audience and its contributions to academic research, policy, and patents. Dr. Dill has also been an editor for the TRR, demonstrating diligence, high ethical standards, and an ability to work with diverse stakeholders. She brings leadership experience and is an excellent communicator. The search committee for this position included representatives of the TRR Advisory Board, the TRR Editorial Board, the Technical Activities Council, Sage (TRR's publisher), TRB sponsors, and staff.

## Committee Tools

A new tool for committees to develop their Triennial Strategic Plans has been developed and is in the testing phase. The tool is intended to make it easier to create TSPs and easier for committees to see other committees' TSPs, in order to support collaboration across modes and disciplines.

TRB IT staff have updated committee rotation processes in MyTRB to support our efforts to ensure that rotation policies are followed, new people are given a chance to serve, and committee diversity is improved. We should have data to report on the outcome of this year's committee rotation in time for the Executive Committee meeting.

## Sponsor Relations Activities

We are in the process of scheduling 15 state visits, both in-person and virtual. The visits involve TAD staff meeting with state DOT staff to explain what TRB offers them, to encourage their involvement in TRB, and to gain a better understanding of state DOT needs. We will also have a virtual TRB 101 for state DOTs this Fall.

## Staff

We welcomed Shushanna Thompson as Senior Program Officer (SPO) to staff the committees in the Executive Management Section. She will also carry out sponsor relations activities such as organizing state visits. By the time the Executive Committee meets we will have welcomed another new SPO, Hamzeh Haghshenas Fatmehsari, who will staff the committees in the Materials Section and the Pavements Section. These individuals are filling positions left open by a retirement of one SPO and a move to a different position outside of TRB for another SPO.

The Technical Activities Division is organized in four "departments" as follows:

- The **Program Department** is responsible for the volunteers and all the technical programs for which the volunteers provide content; this includes committee membership, content development for the Annual Meeting and other conferences as well as developing and maintaining relationships with Core Program sponsors. This department reports to Ann Brach, the Technical Activities Division Director.
- The **Publications Department** is responsible for TRB's peer-reviewed journal, the *Transportation Research Record* and for other TAD publications. This office also supports the paper review process for the TRB Annual Meeting and promotes communication with authors and dissemination of research findings. Patti Lockhart is TAD's Director for Publishing and Outreach.

- The **Meetings Department** is responsible for all logistics for the TRB Annual Meeting and for all the smaller TAD conferences that take place outside of NASEM facilities. Karissa Bingham is TAD Director for Meetings
- The **Operations Department** is responsible for administrative and operational aspects of TAD's work. The professionals in this office are charged with ensuring the quality and efficiency of the many and complex operations that support hundreds of committees, subcommittees, sections, groups, and councils as well as the Annual Meeting, smaller conferences, committee rotation, state visits, etc. Chris Rajaratnam is TAD's Director for Operations

**CONSENSUS AND ADVISORY STUDIES DIVISION**  
**Director, Thomas Menzies**

*The Consensus and Advisory Studies Division provides consensus advice to the federal government and the transportation community more broadly based upon the deliberations of special, ad hoc committees appointed by the chair of the National Research Council.*

**INFORMATION AND DISCUSSION ITEMS**

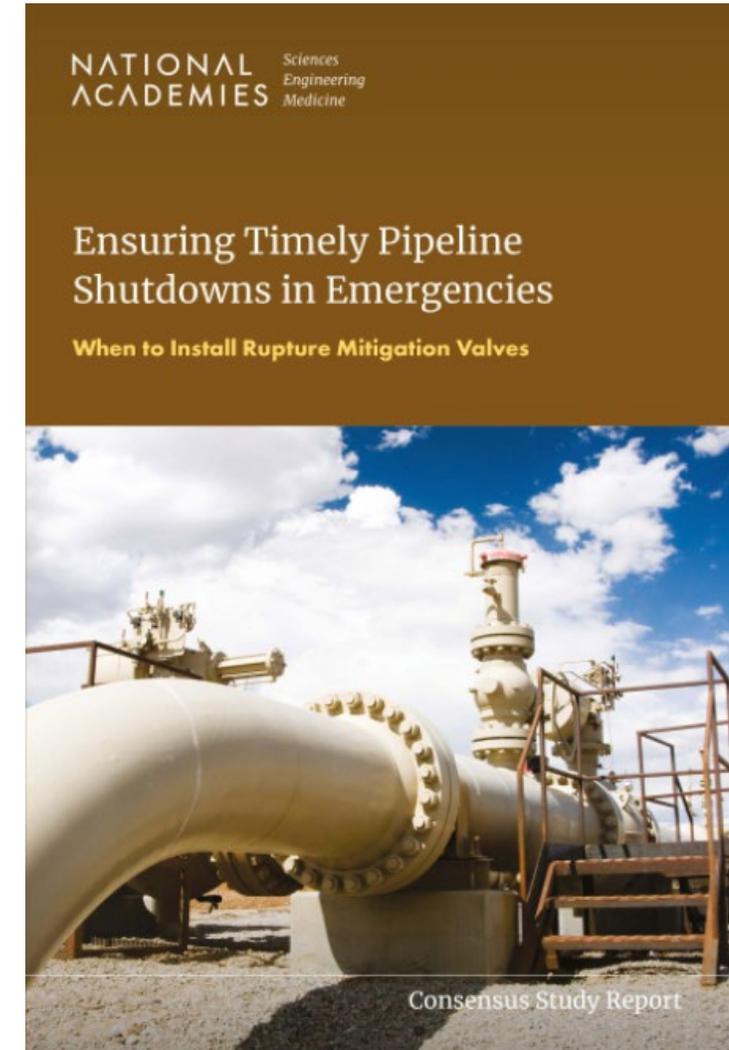
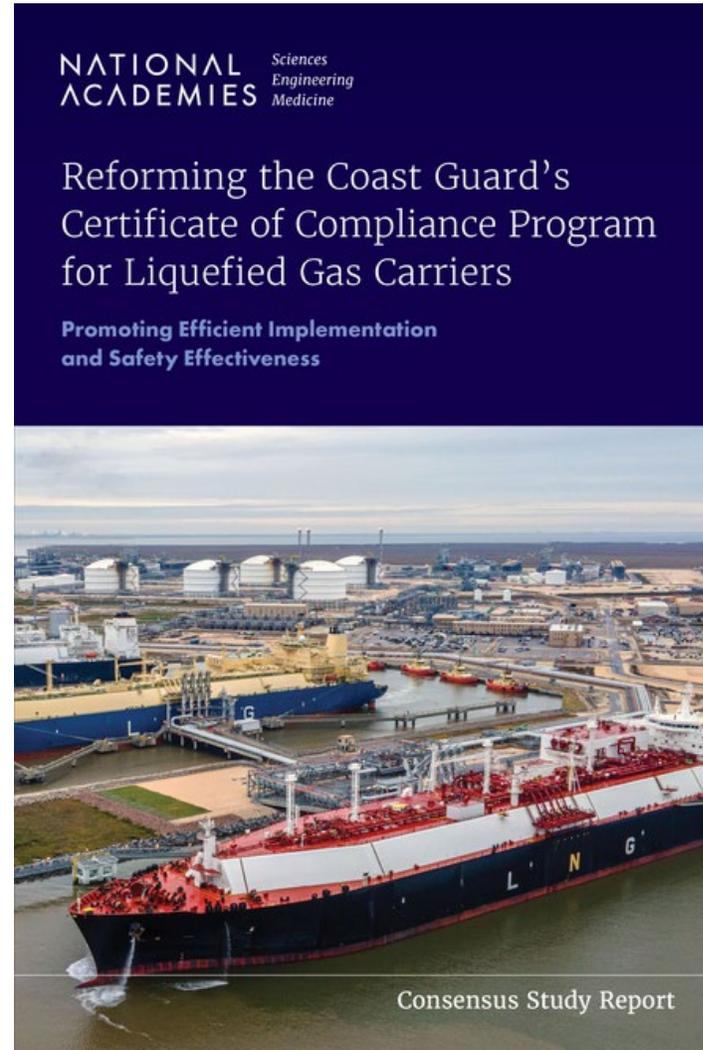
Reports Delivered, January-June 2024

Studies Underway

Pending Studies

Potential Studies in Active Legislation

# Consensus Reports Delivered Jan.-June 2024



**STATUS OF CONSENSUS STUDIES AND OTHER ACTIVITIES UNDERWAY**  
(Expenditures through April 2024)

<u>PROJECT</u>	<u>SPONSOR</u>	<u>FUNDED AMOUNT</u>	<u>SPENT</u>	<u>SCHEDULE BEGAN</u>	<u>COMPLETION</u>	<u>COMMENT</u>
1. Research and Technology Coordinating Committee	FHWA	\$400,000	25%	9/2023	9/2025	Next meeting Nov/Dec 2024
2. Transit Research Analysis Committee	FTA	\$145,000	00%	9/2003	9/2023	Waiting for new award
3. Emerging Aviation Safety Trends (Phase 2)	FAA	\$1,816,000	65%	8/2022	6/2026	Phase 2 report in development for September 2024
4. Safety Research to Practice	FHWA/NCHRP /IIHS	\$700,000	80%	6/2022	12/2024	Report in peer review
5. Impacts of Truck and Bus Driver Compensation Methods	FMCSA	\$1,250,000	90%	7/2022	10/2024	Report being developed
6. Impacts of Trains Longer than 7,500 feet	FRA	1,200,000	75%	9/2022	10/2024	Report being developed
7. Best Practices for Chassis Provisioning	FMC	\$500,000	90%	9/2022	7/2024	Report in peer review

**STATUS OF CONSENSUS STUDIES AND OTHER ACTIVITIES UNDERWAY**  
(Expenditures through April 2024)

8. Stormwater Management Best Practices	FHWA	\$600,000	40%	7/2023	7/2026	Next meeting July 2024
9. EU-US Research Symposium	OST-R	\$180,000	75%	5/2023	11/2024	Event held June 11-12
10. Workshop on Emerging Transportation Workforce	NSF/TRB/NASEM	\$80,000	50%	6/2023	3/2025	Event scheduled for September 17, 2024
11. Forum on Accelerating Transformative Technologies	OST-R	\$315,000	5%	9/2023	1/2025	Vetting forum membership and first event plan
12. Alcohol at Sea	USCG	\$1,500,000	20%	9/2023	6/2025	Second meeting scheduled
13. Transportation Equity Metrics Phase 2	OST-R	\$500,000	40%	11/2023	12/2024	Third meeting being scheduled
14. FAA Air Traffic Controller Planning	FAA	\$1,500,000	10%	1/2024	7/2025	Second meeting July 2024
15. Innovative Materials for Water Resources	USACE	\$1,200,000	5%	3/2024	1/2026	Committee appointed

## SUMMARY OF PENDING STUDIES

<u>Study</u>	<u>Sponsor</u>	<u>Scope</u>	<u>Status</u>
1. State of Marine Salvage and Firefighting in the United States	US Navy	Assess the current national posture for conducting ship rescue salvage for time-critical near-shore and off-shore salvage operations to protect lives, safeguard the environment, prevent property damage, and maintain the flow of commerce.	RFP pending
2. Small Community Airline Service	USDOT	Review of trends in small community air service and case studies	Called for in Section 570, FAA Authorization. TRB and OST staff in preliminary discussions.
3. Safety of In-Cabin Temperature, Radiation Exposure to Crew Members, Fume Events and Cabin Air Quality	FAA	Separate studies related to cabin and cockpit health and safety.	Called for in Sections 322, 323, and 362 FAA Authorization. TRB staff reaching out to FAA for next steps.
4. Ultrafine particle (UFP) emissions near airports	FAA	Examine airborne UFPs and the potential effect on airport-adjacent communities.	Called for in Sections 791 FAA Authorization. TRB staff reaching out to FAA for next steps

## Studies in Legislation (Tracking Recent Activity)

**Bering Strait Vessel Traffic Projects and Emergency Response Capacity** (HR 2741 Introduced in House 4/20/2023)  
*Assess adequacy of emergency response capabilities and infrastructure at Port of Point Spencer, Alaska, to address navigation safety risks and geographic challenges necessary to conduct emergency maritime response operations in the Arctic environment.*

**Blocked Railroad-Highway Grade Crossings** (S. 576, the Railway Safety Act of 2023, passed committee 4/20/2023)  
*Assess impacts of blocked grade crossings in 20 communities and 10 states.*

**Effectiveness of Pipeline Integrity Management Regulations** (Sec. 19, H. 6494, Pipes Act, passed T&I committee 12/6/2023)

**Cost of Pipeline Failures** (Sec. 31, H. 6494, Pipes Act, passed T&I committee 12/6/2023)

**Safety of Carbon Dioxide Pipeline Failures** (Sec. 25, H. 6494, Pipes Act, passed T&I committee 12/6/2023)



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# TRB Strategic Communications Update for the Executive Committee:

- “Growing Our Audiences” campaign
- Updates on TRB.org, newsletters, media relations, and social media

June 24-25, 2024  
 Paul Mackie, pmackie@nas.edu

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**WE HAVE BEEN TAKING VALUABLE STEPS TO BUILD MORE STRATEGY INTO:**

- **COMMUNICATING OUR RESEARCH**
- **COLLABORATING WITH OUR COMMUNITY**

In the recent past, TRB Communications Team has been archiving key research from reports in a Word document.

One way to organize all the research for outreach purposes, but not very dynamic.

**Key Findings from TRB Reports for Social Media and Other Communications Uses**

Alphabetical By Topic

\*Indicates used once (it's ok to use multiple times over a period of time, especially if the post has done well or fits the news cycle well)

**Table of Contents**

<ul style="list-style-type: none"> <li>• Accessibility</li> <li>• AI</li> <li>• Airports</li> <li>• Autonomous Vehicles</li> <li>• Bikes</li> <li>• Biodiversity</li> <li>• Buses</li> <li>• Climate Change</li> <li>• Congestion &amp; traffic</li> <li>• COVID</li> <li>• Crashes</li> <li>• DEI</li> <li>• Drones and Robots</li> <li>• Electric Vehicles</li> </ul>	<ul style="list-style-type: none"> <li>• Energy</li> <li>• Environment</li> <li>• Freight</li> <li>• Healthcare</li> <li>• Homelessness</li> <li>• Infrastructure</li> <li>• Interstates</li> <li>• Mental Health</li> <li>• Older/Disabled Adults</li> <li>• Parking</li> <li>• Pedestrians</li> <li>• Poverty</li> <li>• Public Engagement</li> <li>• Railroads</li> <li>• Ridesharing</li> </ul>	<ul style="list-style-type: none"> <li>• Roundabouts</li> <li>• Rural</li> <li>• Scooters</li> <li>• Social Media</li> <li>• Supply Chain</li> <li>• Telework</li> <li>• Trains</li> <li>• Transit</li> <li>• Tribal</li> <li>• Trips (Recreational)</li> <li>• Trucking</li> <li>• Vehicles</li> <li>• Workforce</li> <li>• Work Zones</li> </ul>
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2

Now, we have worked with the Academies Communications Department to build out the project-management software we use (Asana) to combine this information with our existing TRB Communications Editorial Calendar. For example ...

Per- and polyfluoroalkyl substances (PFAS) are a class of more than 6,000 contaminants of emerging concern that can harm both ecosystems and human health. These anthropogenic compounds contain carbon-fluorine bonds that make them stable and persistent in the environment, earning them the nickname "forever chemicals."

NCHRP Synthesis 630: Practices to Identify and Mitigate PFAS Impacts on Highway Construction Projects and Maintenance Operations, from TRB's National Cooperative Highway Research Program, documents current state departments of transportation practices for identifying locations of potential PFAS contamination and mitigating the impacts of PFAS related to highway construction and maintenance operations. This study considers PFAS impact and mitigation efforts in all phases of highway project development (planning, design, right-of-way acquisition), construction, and maintenance.

### Report Release, PFAS forever chemicals can be reduced in highway construction and maintenance projects



<input checked="" type="checkbox"/> Audience [OCCO]	State/Local Governm... Practitioners Industry
<input checked="" type="checkbox"/> Topic(s) & Theme(s) ...	Environment Infrastructure Transportation
<input checked="" type="checkbox"/> Profile [OCCO]	Med. Profile
<input checked="" type="checkbox"/> Risk [OCCO]	Low Risk
<input checked="" type="checkbox"/> Effort [OCCO]	Med. Touch
<input checked="" type="checkbox"/> Program Unit	TRB

3

Beyond gathering that data, we are now overlapping all this information in Asana with a lot of other information, most importantly audience and influencer details ...

Due date: Jun 18

Projects: TRB Comms Projects/Activities, TRB Redesign NEW Division Com... To Revi...

Dependencies: Blocked by Iowa State University

Fields: Staff Contact(s) Jo Allen Gause, OCCO Calendar, Related Boards, Media Officer Josh - DEPS/TRB/GULF

Audience partner organizations

Virginia Tech University	Other	AI	Gerardo Flintsch	https://www.l
Virginia Tech University	Other	AI	Rich Hanowski	https://www.l
Iowa State University	Other	Environment, Infrastructure	Roy Sturgill	https://www.l
Iowa State University	Other	Environment, Infrastructure	Joseph A. Charbo...	https://www.l
Community Transportation Association of America (CTA)	Other	Transit	Meredith Bay-Tya...	meredith@c
Report Release, Environmental reviews at DOTs stil		Climate Change, Environment		
Cambridge Systematic Inc	Other	Climate, Envrn, Policy	Chris Dwyer	https://www.l

Blocking Report Release, Artificial ... Jun 28

TRB Support	Other
Contact Name	Rich Hanowski
Contact Email	https://www.linkedin.com/in/rich-hanowski-09a325b/
Contact Role [TRB]	liaison

We're digitizing our internal communications practices to strengthen our ability to get TRB research into more hands of the people who need it.

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**TRB on the Web**

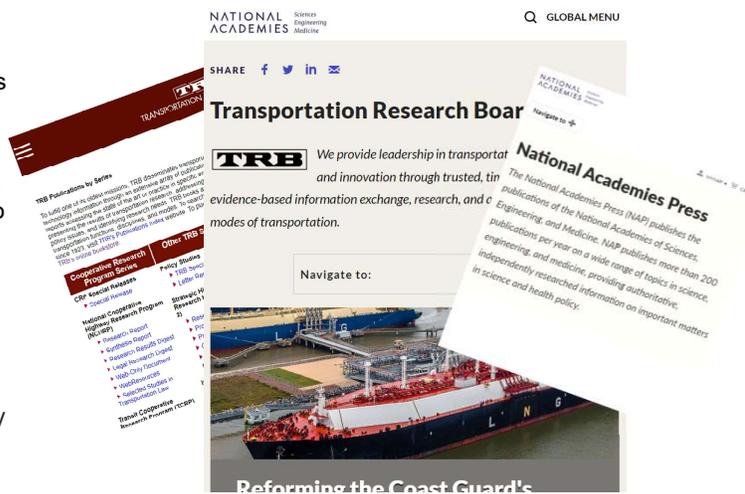
TRB's website includes three separate locations. Work is being done to consolidate them, which will result in less audience confusion, easier findability, and higher traffic.

Also, TRB's Communications Team, with the OCCO, has established a baseline to track visitors.

**~ 1.25 million visitors per month in 2024**

Traffic comes mostly through Google. Also, Google Scholar, where authors publicize their work.

Critical Issues and the Highway Capacity Manual have been major traffic drivers. Same with a 1998 report on pavement drainage and a new one on homelessness.



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**Newsletters**

**TRB Weekly**  
26,000 subscribers

**Upcoming TRB Webinars newsletter**  
21,000 subscribers

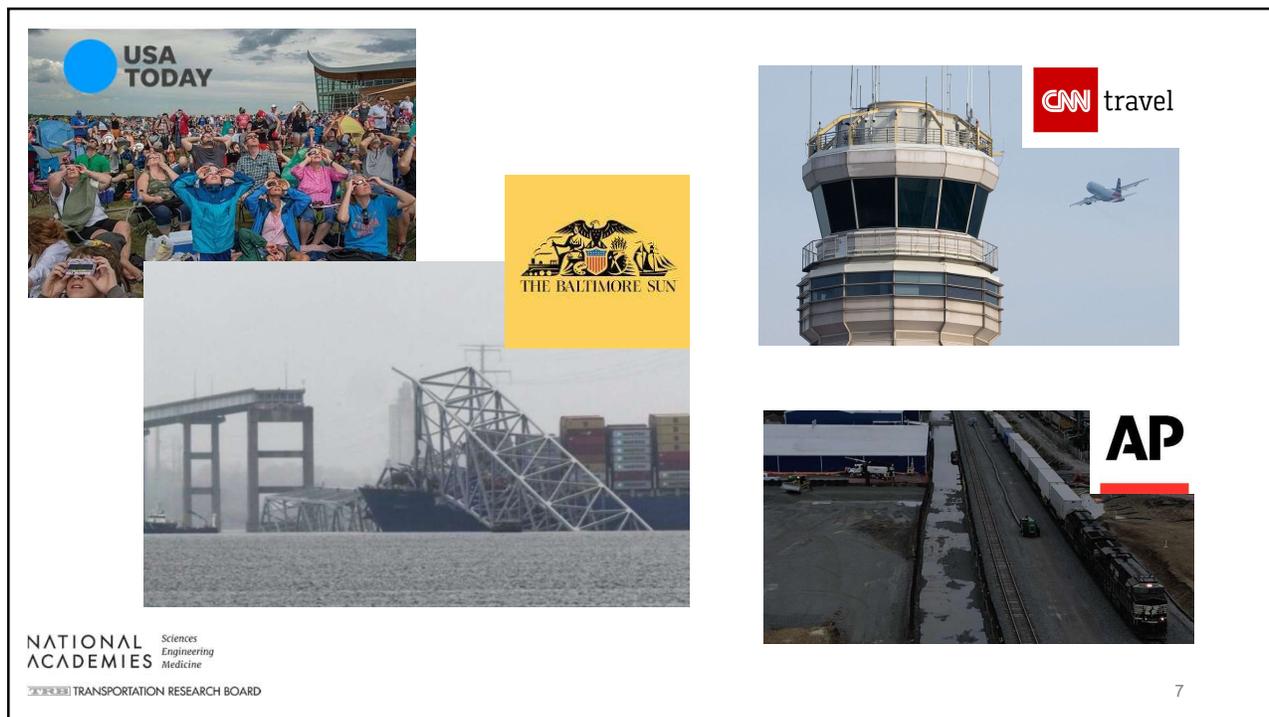
**TRBAM Express**  
All Annual Meeting registrants



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**Media strategy**

Asana software will allow us to track which TRB Vols are the most engaged on any given topic.

This may help us, for example:

- Publicize them when they are featured in the news
- Work with them to help TRB's research get into the hands of their contacts

Virginia Tech University

A Contact Name	Rich Hanowski
A Contact Email	<a href="https://www.linkedin.com/in/ich-hanowski-09a325b/">https://www.linkedin.com/in/ich-hanowski-09a325b/</a>
☺ Contact Role [TRB]	liaison
# LinkedIn Followers	500

Not a TRB Volunteer as of 2024

But a lead author on NCHRP AI report

Quoted in NYT about first study ever about texting and driving:  
<https://www.nytimes.com/2009/07/28/technology/28texting.html>

**Social media**  
 Growth in followers from end of 2019 to June 10, 2024

**LinkedIn:**  
 6,900 → 27,286  
 (4,000+ new followers in 2024)

**Twitter/X:**  
 22,000 → 26,559

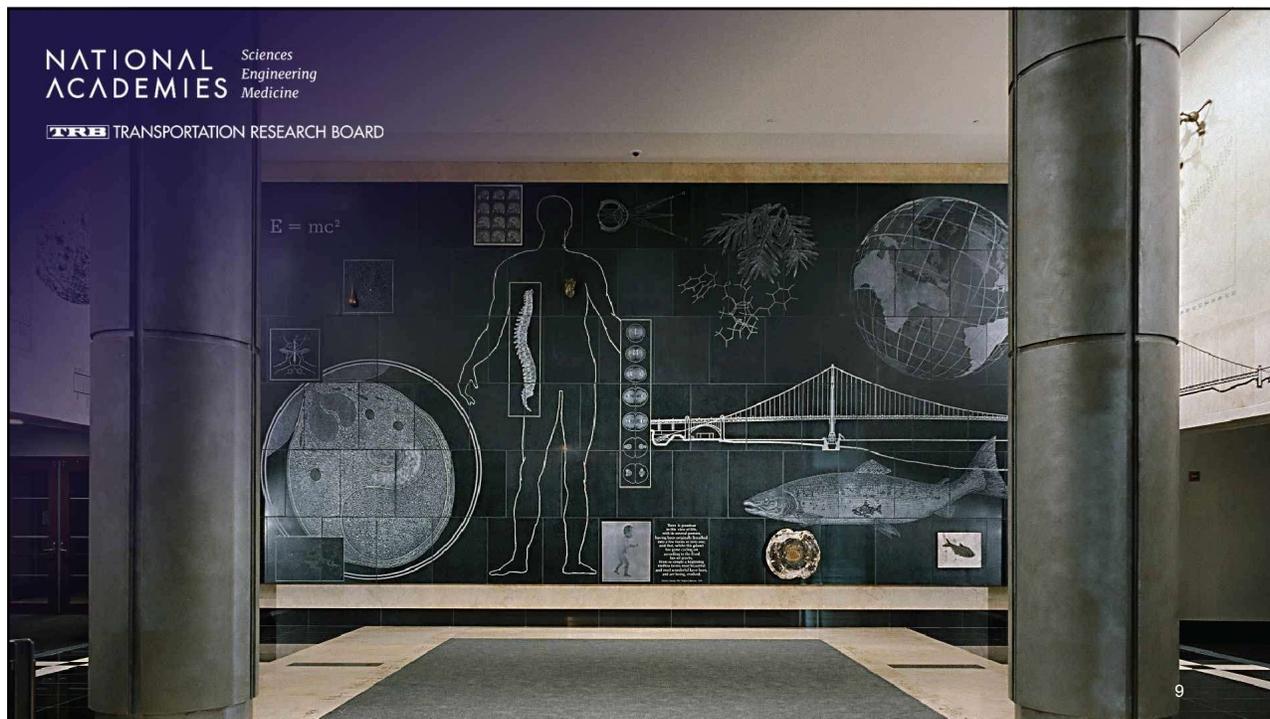
**Facebook:**  
 7,500 → 10,017

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## TRANSPORTATION RESEARCH BOARD

June 10, 2024

### MEMORANDUM

TO: Members, TRB Executive Committee  
 FROM: Russell Houston *RH*  
 SUBJECT: June 24, 2024, Policy Session on Transportation and Public Health

Reduced transportation emissions due to clean air regulation have improved public health. Even so, tens of thousands die prematurely from these emissions annually. Emissions will fall further as the fleet electrifies, but continued dependence on fossil fuels during the decades of transition to decarbonization ahead, as well as future reliance on alternative fuels with harmful emissions, will continue to harm populations exposed.

Adverse impacts from transportation noise on physical and mental health are inequitably distributed and, except near airports and segments of urban Interstates, have been largely unaddressed. Fortunately, noise levels will also decline with the transition to electric drive.

Transportation barriers to health care disproportionately harm low-income people and people with disabilities and require further innovation and coordination to improve access to inclusive and accessible transportation services. Active transportation can improve public health, but jurisdictions need greater data-driven guidance on designs and policies that are safe, convenient, and likely to shift behavior to cycling and walking.

With the help of a panel of experts, this policy session will explore issues around barriers to access health care; the intersection of active transportation, health, and equity; and the impact of transportation and public health.

We will also have the opportunity hear reflections on the policy session discussion from the leaders of the Nation Academy of Medicine (NAM) and the National Academy of Sciences, Engineering, and Medicine's Health and Medicine Division (HMD).

This memo includes the agenda for the session, short bios of the session's panelist, as well as a short paper published from a 1987 issue of *Public Health Reports* titled "Injury Prevention and Control Comes of Age." As you will see from the article, which has been annotated by one of our panelists, Dr. David Ederer, the National Academy of Sciences, Engineering, and Medicine has been a player in injury prevention arena for many years.

**NATIONAL  
ACADEMIES** *Sciences  
Engineering  
Medicine*

Keck 460, 500 Fifth Street, NW, Washington, DC 20001  
 Phone 202.334.3252 Email RHouston@nas.edu www.TRB.org

## *Session Agenda*

- | <b>Time<br/>(Eastern)</b> | <b>Monday, June 24, 2024</b>  |
|---------------------------|---|
| 1:15 p.m.                 | <p><b>Leslie Richards</b>, General Manager/Chief Executive Officer, Southeastern Pennsylvania Transportation Authority; and Vice Chair, TRB Executive Committee<br/> <u><i>Welcome and Session Introductions</i></u></p>  |
| 1:30 p.m.                 | <p><b>Ricardo Martinez</b>, Adjunct Associate Professor, Emory University; Member, TRB Executive Committee; and Member, National Academy of Medicine<br/> <u><i>Setting the Stage for Today's Discussion</i></u></p>  |
| 1:40 p.m.                 | <p><b>Judy Shanley</b>, National Director, Transportation and Mobility, Easterseals; and Cochair, TRB Standing Technical Committee on Accessible Transportation and Mobility<br/> <u><i>Transportation as a Barrier to Accessing Health Care for People with Disabilities</i></u><br/> <i>What are the solutions and how can the transportation community address the challenges of access to health care? How can we quantify and communicate the social, economic, and community benefits of ensuring that everyone has access to health care and resources that affect their health?</i></p>   |
| 2:00 p.m.                 | <p><b>Charles Brown</b>, Founder and CEO, Equitable Cities; Adjunct Professor, Edward J. Bloustein School of Planning and Public Policy, Rutgers University; and Former Member, TRB Standing Technical Committees on Pedestrians and on Bicycle Transportation<br/> <u><i>The Intersection of Active Transportation, Health, and Equity</i></u><br/> <i>How can exposure to the negative health impacts of active transportation be reduced in minority communities and by those in the lower socioeconomic strata? What is "Arrested Mobility" and how does it impact minority communities from realizing the benefits of active transportation? How can we measure success?</i></p> |
| 2:20 p.m.                 | <p><b>David Ederer</b>, Public Health Engineer, Centers for Disease Control and Prevention; and Member, TRB Standing Technical Committee on Transportation and Public Health<br/> <u><i>Impacts of Transportation on Public Health</i></u><br/> <i>How can transportation professionals incorporate public health concepts into their practice? How can we proactively address the consequences of exposure to transportation emissions, noise, and traffic crashes, which often have disproportionate impacts on people of color and lower socioeconomic status? How can transportation improve health?</i></p>  |
| 2:40 p.m.                 | <p><i>Plenary Discussion</i> – Moderated by <u>Leslie Richards</u></p>  |

- 4:20 p.m. **Monica Feit**, Executive Director, Health and Medicine Division, National Academy of Sciences, Engineering, and Medicine.  
*HMD Perspectives*
- 4:30 p.m. **Victor Dzau**, President, National Academy of Medicine  
*NAM Perspectives*
- 4:50 p.m. Ricardo Martinez  
*Final Observations*
- 5:00 p.m. Leslie Richards  
*Concluding Remarks and Adjourn*

**Time  
(Eastern)**

**Tuesday, June 25, 2024**

- 8:30 a.m. *Plenary Discussion* – Moderated by Leslie Richardson
- 9:00 a.m. End of Policy Session Discussion

## ***Policy Session Panelists Biographies***

### **Judy Shanley**

National Director, Transportation and Mobility, Easterseals; and  
Co-chair, TRB Standing Technical Committee on Accessible Transportation and Mobility



Judy L. Shanley, Ph.D. is the National Director, Transportation, Mobility, and Youth Transition at the national office of Easterseals. She serves as the Director of several US Department of Transportation projects funded by the Federal Transit Administration and the National Science Foundation including the National Center for Mobility Management. She manages projects and budgets, conducts research, and provides technical assistance regarding human services coordination, mobility management, and building a continuum of accessible mobility options.

As the Easterseals lead for two research projects funded by the National Science Foundation, Judy's work focuses on conducting research to develop strategies to collect and utilize sidewalk accessibility data consistent with ADA requirements. Judy is the past Secretary of the APTA Access Committee and is the current Co-Chair of the TRB Committee on Accessible Transportation and Mobility (AME50).

Prior to Easterseals, Judy worked at the US Department of Education, Office of Special Education Programs. She earned her Ph.D. in Special Education from the University of Florida and an M.B.A. and a Master's in Rehabilitation Counseling, both from Syracuse University.

## Charles Brown

Founder and CEO, Equitable Cities;  
Adjunct Professor, Edward J. Bloustein School of Planning and Public Policy, Rutgers; and  
Former Member, TRB Standing Technical Committees on Pedestrians & on Bicycle Transportation



Charles T. Brown is the founder and principal of Equitable Cities, a minority- and veteran-owned urban planning, public policy and research firm focused at the intersection of transportation, health and equity. He is also an adjunct professor at the Edward J. Bloustein School of Planning and Public Policy at Rutgers University.

Charles is an award-winning expert in planning and policy. Charles previously served as a senior researcher with the Alan M. Voorhees Transportation Center at Rutgers University, where he authored several groundbreaking national and local studies that redefined how experts analyze the role of race and racism in transportation and mobility. In 2020, Charles was part of the inaugural class of the Public Voices Fellowship on the Climate Crisis, which is managed by the Yale School

of the Environment.

Charles is a military veteran and a recipient of the Mississippi Commendation Medal and Global War on Terrorism Service Medal. He has a Master of Public Administration degree and graduate certificate in urban and regional planning from the University of Central Florida. He also has a Bachelor of Science in Management degree from Belhaven College. He is a certified instructor with the League of American Bicyclists and received a Crime Prevention Through Environmental Design Professional Designation (CPD) from the National Institute on Crime Prevention.

## David Ederer

Public Health Engineer, Centers for Disease Control and Prevention; and  
Member, TRB Standing Technical Committee on Transportation and Public Health



Dave Ederer is an Epidemiologist in the Physical Activity and Health Branch at the Centers for Disease Control and Prevention and a Lieutenant in the United States Public Health Service.

His research focuses on applying public health principles in transportation practice, and how the built environment influences chronic disease. He has served as a technical advisor to the U.S. Mission to the United Nations and the United Nations Road Safety Collaboration. and as an Epidemic Intelligence Service Officer at CDC.

He has a Ph.D. in Transportation Systems Engineering from the Georgia Institute of Technology, and an M.P.H. from the University of Michigan. He is also an Adjunct Instructor in the Department of Civil and Environmental Engineering at the Georgia Institute of Technology.

Implications of the Current Crisis in Insurance Availability and Affordability. Their report focused on issues broader than just medical malpractice litigation. Nevertheless, the Tort Policy Working Group's recommended tort reforms similar to five of the seven HHS recommendations listed previously.

At the State level, many State legislatures have passed some form of tort reform affecting medical malpractice litigation in their last sessions. While creative and individual in their approaches, the new laws still seem to fall within the framework of the recommendations made by HHS's task force. For example, six States adopted measures to limit attorneys' fees in 1986.

I think this growing consensus is a positive sign for both patients and any person who pays for medical insurance. There is no doubt that we pay the bills for out-of-control insurance rates, the withdrawal of doctors from certain critical specialties, and defensive medical practices like unnecessary tests. Now, with a clear direction forming and reform moving through the States, we will all be the beneficiaries. That is important for our pocketbooks and important in ensuring the quality of the health care that we have access to and receive.

Robert E. Windom, MD  
Assistant Secretary for Health

NOTE: Single copies of "Report of the Task Force on Medical Liability and Malpractice" are available free from the Office of the Counselor to the Under Secretary, U.S. Department of Health and Human Services, Rm. 639-H, Hubert Humphrey Bldg., 200 Independence Ave., SW, Washington, DC, 20201.

### **Injury Prevention and Control Comes of Age**

I have drunk from wells I did not dig, and I have warmed by fires I did not build.—Proverb

This is an extremely important time in injury control and public health. While we talk of new opportunities for solving old problems, we simply must pay tribute to those who have come before us. I think of the proverb cited. In injury control today, we are building on the methodologies—epidemiology, surveillance, evaluation—that have been honed through the decades.

Injury control interrelates with all of society: politics, law enforcement, mental health, pediatrics, business, mining, transportation. And it relates to all of history because the one consistent plague throughout history, year in and year out, from one culture to another, from one country to another, has been the plague of violence. Our work to control injury will affect the course of that plague for future history.

Many in public health talk about the world as becoming a global village where nations and continents are interdependent. They speak about this interdependence as if it were a new phenomenon. But Polybius, over 2,000 years ago, wrote, "Now, in earlier times, the world's history has consisted of a series of unrelated episodes, but from this point forward, history becomes an organic whole." So, by our efforts to curb intentional and unintentional injuries, we are sowing seeds of immortality in relation to future prevention, future treatment, future rehabilitation, and even in relation to war and its avoidance.

The recent history of injury control provides us with the names of some innovators to be thanked. To them, what is new is not the approach, but the recent and widespread interest in injury control. We thank those in academic public health: Susan Baker, Leon Robertson, Julian Waller, and others. We thank those in public health practice, particularly Robert Saunders of Tennessee, who was instrumental in getting child restraint laws passed, and William Haddon and Brian O'Neill. We thank those in the Public Health Service, from **Jim Goddard, who 30 years ago directed an injury control program that was ahead of its time,** to the present Surgeon General, Dr. C. Everett Koop, who has been promoting violence control. We thank workers with the **Department of Defense,** the Department of Transportation, and the National Traffic Safety Administration—especially Michael Finkelstein for his work over the past years.

Yet, despite all of these people, the response has not been commensurate with the problem. Society has simply accepted injury as being inevitable—that, despite the lessons of history, this is a cause-and-effect world; despite the fact that we are a scientific culture, we have remained fatalistic when dealing with injuries. This belief is a throwback to the Middle Ages.

The public health response is certainly not commensurate with the problem. How often have we heard that injury and violence are not public health problems? They are enforcement problems or transportation problems, but not public health problems.

Well, thankfully, old adages die when they lack substance. For example, in 1905 Grover Cleveland said that reasonable and sensible women did not want the vote; in 1899 Charles Duell, Director of the U.S. Patent Office, said that everything that could be invented had been invented; and Robert Milligan, 1923 Nobel Prize winner in physics, said that there was no likelihood that man could ever tap the power of the atom. So adages do die, and now violence is recognized as a public health problem.

One person who deserves our gratitude and praise for this change in attitude is Congressman William Lehman. He arranged for the National Academy of Sciences to look at the problem of injury in America. But that in itself was not sufficient. Earlier, injury in America had been investigated by the National Research Council and the results published in 1966 in "Accidental Death and Disability: The Neglected Disease of Modern Society" (1). That report pointed out the need for preventive measures, but nothing happened. Two and a half million Americans were to die from injuries between the time of that report and the time of the 1985 study by the National Academy of Sciences (2).

The recent landmark publication, "Injury in America," was put together by an unusual committee that included not only public health people but surgeons (among them neurosurgeons) as well. Those surgeons were as vocal as anyone in saying that the answer to the problem of injury is prevention, that we must become involved with surveillance and epidemiology, and that we have to involve the public health community. The committee pointed out that injuries take more years away from Americans before they reach age 65 than cancer and heart disease put together, but only a fraction of research money is put into injury control.

Once this report was completed, Congressman Lehman arranged for money to be put into the Department of Transportation's budget for a National Center for Injury Control. Later, the Ameri-

can Public Health Association organized people at the State level when funding for that Center was threatened.

This we know about the injury problem: 10,000 deaths per month in this country are caused by injuries. The problem is worse internationally because intentional violence in many countries exceeds what we find in the United States, and unintentional violence is rapidly increasing along with the numbers of vehicles and machinery.

Violence is a major problem, but it is solvable. More than that, it is worth solving. It is worth the time of professionals; it is worth the resources. Preventing violence will improve the quality of life in this country and the world.

Now that attention has been focused on injury control and the coalition is developing among the Department of Transportation, the Department of Defense, the Public Health Service, Congress, Federal and State governments, and the private sector, solutions will come faster and faster. But, safety will impinge on profits. Safety will impinge on freedom. It will often be resisted by an industry that can be powerful enough to have political influence. And, as in the case of handgun control, we who advocate prevention shall not be heard when we use the rational arguments that are accepted in the field of science or in most of society. However, it is important to remember that we shall be institutionalizing a process that will become increasingly rational.

The epidemiologic demonstrations of Semmelweis and John Snow gained new power when epidemiology was institutionalized as academic epidemiology by Wade Hampton Frost at Johns Hopkins. Public health epidemiology gained even more power when it was institutionalized by Alexander Langmuir in the Epidemic Intelligence Service. Injury control is now gaining power because it is being institutionalized. We public health workers are now the diggers of wells and the builders of fires for the generations to come.

William H. Foege, MD, MPH  
Executive Director, Carter Center  
Emory University

*Adapted from Dr. Foege's presentation at the 1987 Conference on Injury in America, Atlanta, GA, February 17-19, 1987.*

## References.....

1. Accidental death and disability: the neglected disease of modern society. National Research Council, Washington, DC, 1966.
2. Committee on Trauma Research of the National Research Council: Injury in America: a continuing public health problem. National Academy Press, Washington, DC, 1985.

## One Fine Solution to the Injury Problem

Injury makes the news every night. The national networks never fail to devote at least one story to injury, but the broadcast coverage comes into our homes on the local news day after day: fires, crashes, muggings, murders, suicides, and drownings. This is injury, termed by the National Academy of Sciences as the leading public health problem in the United States today. Yet, despite the devastatingly high toll it takes from our society, injury remains an area that is largely unappreciated by the health community and underfunded in terms of research and prevention. Why this disparity between the attention we give to injury as a news event and the lack of attention we give it as a public health problem?

The first explanation is a conceptual barrier: We tend to think of injuries as “accidents,” random events that occur by chance, unrelated to anything we do, or could do. We are starting to learn otherwise. We are learning that we can save thousands of lives by building more crash-worthy cars, by wearing seatbelts, and by reducing drunk driving. **But, we would be even further ahead if we stopped using the word “accident” and substituted injury.** Let us not underestimate the power of a word. Look at the effect, for example, of the term “recreational drugs.” Substance abuse kills thousands of people each year, many through fatal injuries related to motor vehicles or firearms. Is not the term “recreational drug” an oxymoron? Is not “accident”?

The second explanation for our lack of progress in injury control is that there has not been a coordinated effort to unite and lead the field toward a common goal. Disparate groups have attacked different types of injuries at various times, but there has not been an identified field of injury control nor an identified discipline of injury control practitioners. This is going to change. The

Centers for Disease Control (CDC) has been designated as the lead agency for injury control, and the 1987 Conference on Injury in America was CDC’s coming out party. In partnership with the National Highway Traffic Safety Administration, CDC plans to make this national injury conference an annual event where the formerly disparate groups and isolated individuals come together to share information and develop common strategies and approaches. The second annual conference on Injury in America will be held September 14-16, 1988, in Seattle, WA.

We have also adopted a fine approach to overcoming the conceptual barrier to injury control. Anyone caught using the term “accident” to refer to an injury will be fined 25 cents. The fine will be payable by the honor system, mailed to me at our newly renamed center at CDC. Even if only a few of us are honest and abide by our honor system, we will markedly improve the status of funding for injury research.

And what is the new name of our center at CDC? As of August, we became the Center for **Environmental Health and Injury Control. And that, my friends, was no accident.**

Vernon N. Houk, MD  
 Stuart T. Brown, MD  
 Mark L. Rosenberg, MD, MPP  
 Center for Environmental  
 Health and Injury Control



# Transportation and Public Health

TRB Executive Committee Policy Session

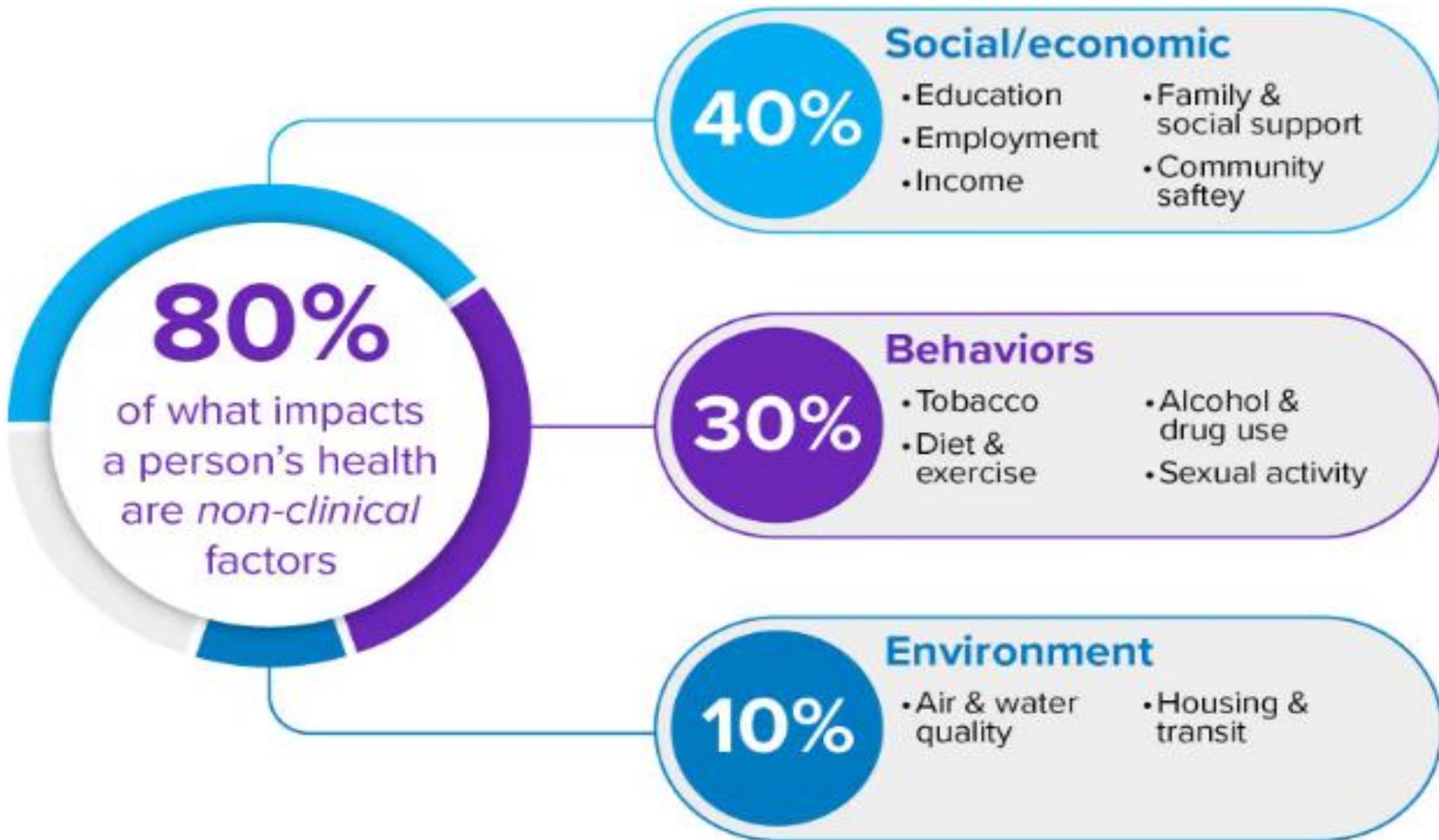
Ricardo Martinez, MD, FACEP



EMORY  
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MEDICINE

Department of  
Emergency Medicine

June 24, 2024



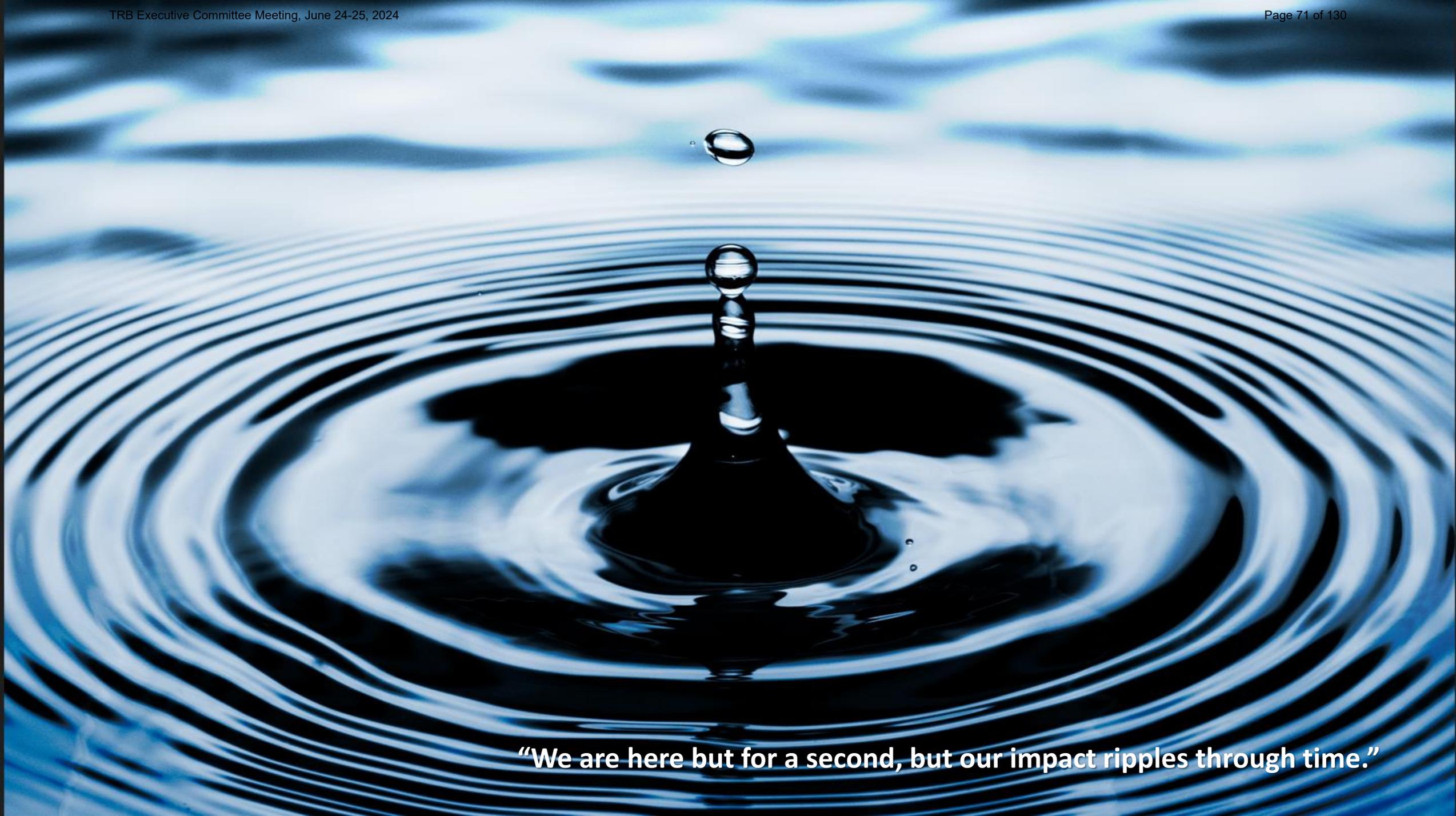
# Health inequities in the U.S.

## Geography Matters



Life expectancy disparities in New Orleans, LA and Kansas City, MO  
 SOURCE: RWJF, 2013.

Note: Age adjusted death rates and life expectancy are indicators of overall health



**“We are here but for a second, but our impact ripples through time.”**



# Thank You!



Department of  
Emergency Medicine



## TRANSPORTATION RESEARCH BOARD

June 10, 2024

### MEMORANDUM

TO: Members, TRB Executive Committee  
 FROM: Russell Houston *RH*  
 SUBJECT: January 2025 Executive Committee Policy Sessions

### **Policy Sessions and Critical Issues**

In 2023, the Executive Committee expressed its desire to focus future policy sessions on topics included in TRB's *Critical Issues in Transportation for 2024 and Beyond*. Since that time policy sessions covered the following Societal Goals or Foundational Factors and Policy Levers identified in Critical Issues:

- Transportation and Public Health (June 24, 2024)
- Workforce Challenges (January 24, 2024) and
- Safety (June 23, 2023).

### **January 2025, Policy Session on Innovation**

The TRB Division Committee recommends that the Executive Committee select innovation as the topic for the January 2025 Policy Session. Potential questions/issues the session could address are included below.

According to Critical Issues:

Problems in transportation in the past were often overcome through innovation, the introduction of new things, ideas, or ways of doing something. Innovations build on scientific advances and previous technologies, often requiring decades to unfold.

Technological innovations have created the opportunity to significantly reduce transportation's reliance on fossil fuels by allowing for the transition, for most vehicle types, to clean electric power without increasing the cost of the electricity for charging batteries or of vehicle ownership and operation. Technology may also improve transportation productivity and highway safety. However, R&D will be necessary to identify and promote scientifically based policies that are acceptable in a pluralistic society. In addition, although technologies may capture the public's imagination, many critical innovations are in processes and business models.

Issues/questions that might be addressed by session panelists might include the following:

- What are best practices in building and sustaining cultures of innovation in transportation organizations?
- What is required to develop and implement innovative technologies and processes, while ensuring they are equitable and inclusive?
- How should policy and governance considerations be addressed during development and implementation of innovative technologies and processes?
- How can we better document the effectiveness of proven innovations?
- How can we shorten the time it takes to implement innovative technologies or processes, while still managing risk?
- How can we ensure political, policy, and financial support for transportation research institutions?
- What lessons can be learned from existing innovative organizations related to their aversion to risk, controversy, or failure that can translate to public agencies?
- How can we guide or steer resources to develop innovative technologies or processes that address critical transportation system?
- What role can researchers and the TRB community play in addressing questions like those above to foster the introduction of new things, ideas, methods, or systems?

Appendix 1 to this memo includes a list of all past Policy Sessions as a tool to help the Executive Committee decide on its next Policy Session topic.

**Attachment 1****Past Session Topics**

Date	Topic	Rapporteur
1/88	Current Status & Future Outlook for Air, Rail, Trucking, Highway, Urban, & Water Transportation	Hoel & Koltnow
6/88	Small Group Discussion of Exec. Comm. Policy Initiatives	
1/89	Marine & Intermodal Transportation	Hoel
6/89	Transportation Response to Problems of Air Quality	Paaswell
1/90	High-Speed Ground Transportation	Walton
6/90	Relationship Between Transportation & Economic Development	Wolpert
1/91	The Environmental Imperative, Fuel Use, & Surface Transportation Funding	Sussman
6/91	Air Passenger Transportation: Congestion Pricing for Airports	Harris
1/92	Transportation Policy Research Priorities for the 1990s (USDOT Associate Administrators for Policy)	Lamm
6/92	International Economic Development & U.S. Transportation	Walton
1/93	U.S. & International Efforts to Assist Russia & Other Former Soviet Republics on Transportation-Related Problems	Borrone
6/93	Implications of U.S. Defense Conversion for Transportation	DeLong
1/94	Transportation Policy Priorities to Support a National Transportation System	Millar
6/94	The "Green" Car: Technological, Institutional, & Environmental Issues	Yerusalim
1/95	Intermodal Freight Transportation: Barriers, Linkages, and New Technologies	Wormley
6/95	Financing Transportation in the Post-ISTEA Era	Kelly
1/96	ISTEA: Impacts and Issues for Reauthorization	Wachs
6/96	Cross-Border Transportation Issues	Martinez
1/97	Institutional Arrangements for Transportation: Impacts of Changing Roles	Sterman
6/97	Effects of the Federal Role on the U.S. Aviation System: Current Status, Prospects for & Barriers to Change	Riniker
1/98	Zero-Car Households: Strategies To Improve Mobility & Accessibility for the Carless	Fitzgerald
6/98	Land Use and Transportation: Relationships and Trends	Gilbert
1/99	The Clean Air Act: Goals, Issues, & Impacts on Transportation	Winstead
6/99	Industry Consolidation: Regulatory Issues, Cross-Modal Comparisons	McCaig
1/00	Approaches to Achieving Advances in Transportation Safety	Canby

Date	Topic	Rapporteur
6/00	Transportation Implications of E-Commerce and Telecommunications Technology	Giuliano
1/01	A System Wide View of Transportation Finance	Campbell
6/01	Freight Transportation in the U.S. Economy: Capacity Issues and Operating Challenges	Wilding
1/02	U.S. Petroleum Dependence: Issues and Prospects for the Transportation Sector	Frosch
6/02	Work Force Development and Staffing Needs in Transportation	Meyer
1/03	Decision-Making Processes for Public Sector Transportation Investments	Kirby
6/03	Transportation Security Initiatives: Balancing Public Perceptions, Political Expectations, and Practical Applications	Rebensdorf
1/04	The Impact of Global Warming on Transportation	Kanafani
6/04	Shifting Patterns and Growth of Global Trade: Implications for the Transportation System	Shucet
1/05	Innovative International Roadway Safety Initiatives	McNeil
6/05	How Should America Pay for Transportation?	Morris
1/06	Raising the Public Profile of Transportation	Butler
6/06	20 <sup>th</sup> Century Institutions Mismatched to 21 <sup>st</sup> Century Missions	Miller
1/07	The Energy Component of Transportation Sustainability	Gittens
6/07	Innovative Transportation Performance Measures	Garber
1/08	Public-Private Partnerships: With an Emphasis on Equity	Rosenbloom
6/08	The Role of Transportation in Climate Change Mitigation	Johns
1/09	Key Issues in Transportation and Climate Change	N/A
6/09	Issues and Perspectives on Water Transportation	Scalzo
1/10	Dialogue with the U.S. DOT Deputy Secretary	
6/10	Definitional Issues Related to the Concept of Livability	Clark
1/11	Multimodal Freight Policy, Corridor-Level Priorities, and Funding Strategies	Conti
6/11	Financing and Funding Transportation in a Transitional Period	Seltzer
1/12	Inland Waterway Transportation: Issues, Challenges, Opportunities	Hancock
6/12	New Information and Telecommunication Technology Applications to Transportation: Opportunities and Challenges	Sperling
1/13	International Research Activities: Issues, Priorities, and Lessons Learned	Sinha
6/13	Energy: Transportation Fuels and Sources	Hendrickson
1/14	Session on Aviation Issues: Challenges and Opportunities	Arroyo
6/14	Connected Vehicles—A Pathway to Automation	Washington

Date	Topic	Rapporteur
1/15	Big Data	Fotheringham
6/15	The Intersection Between Urban Goods Movement, Smart Growth, and Public Health	Breakouts
1/16	Advancing Public Health Through Transportation: Challenges, Opportunities, and Lessons Learned	Breakouts
6/16	Cyber Security in an Age of Transformational Technology	Breakouts
1/17	Climate and Extreme Weather Resilience	Houston
6/17	Smart Cities and Transportation	Breakouts
1/18	Public Transportation: Challenges and Opportunities	Breakouts
6/18	Electric Vehicles	Breakouts
1/19	Transportation's Role in the Wellbeing of Rural Communities	Breakouts
6/19	Distraction	Breakouts
1/20	Artificial Intelligence	Breube
8/20	Urban Air Mobility	Virtual
1/21	The Impact of COVID-19 on Personal Mobility and Social Equity	Virtual
7/21	Racial Equity	None
1/22	Decarbonization of the Transportation Sector	None
6/22	Reimagining Good Movement	None
1/23	Successful Megaprojects	None
6/23	Safety ( <i>Critical Issues Series</i> )	None
1/24	Workforce Challenges ( <i>Critical Issues Series</i> )	None
6/24	Transportation and Public Health ( <i>Critical Issues Series</i> )	None

## **Diversity, Equity, and Inclusion (DE&I) Strategic Plan Update Transportation Research Board**

### **Mission**

TRB's Diversity, Equity, and Inclusion (DE&I) Initiative's mission is to create and foster an inclusive environment that leads to increased diversity of participants in TRB and equitable outcomes for the transportation system.

### **Background**

The TRB Executive Committee adopted an Inclusion and Diversity Strategic Plan in January 2018. The plan was updated to include equity in fall 2020. The TRB Special Committee on DE&I has been charged with monitoring implementation of the Plan and proposing revisions as appropriate. The Committee meets quarterly, monitors progress on the plan's strategies and action items, and reports to the TRB Division Committee and the TRB Executive Committee. The committee's membership is representative of TRB's major oversight committees and stakeholders and every effort is made to ensure racial, ethnic, gender, and ability diversity of the committee's membership. The TRB DE&I Strategic Plan provides a roadmap and explanation for achieving this mission.

### **Membership**

The Special Committee chair is Tanisha Hall, Fairpointe Planning, and the members are as follows:

- Gloria Bender, TransSolutions
- Herold Humphrey, MARTA
- Joey Goldman, Kearns & West
- Chris Hendrickson, Carnegie Mellon University: Chair of the TRB Division Committee, Member of the Executive Committee and SPPR
- Hyun-A Park, Spy Pond Partners
- Niloo Parvinashtiani, Iteris, Inc.
- Kevin Pete, Texas Department of Transportation

### **Working Definitions**

This plan uses the following definitions for diversity, inclusion, and equity:

- Diversity is defined as the broad spectrum of experiences, cultures, and physical attributes within a community, including but not limited to race or ancestry, national origin, religion, age, ability, gender, gender identity or expression, sexual orientation, socioeconomic status, or perspective.
- Inclusion means that all individuals and groups are welcomed, valued, respected, and supported equally as they contribute to the mission and success of a community.
- Equity is the absence of barriers, biases, and obstacles that impede equal access, fair treatment, and opportunity by all members of a community.

## Updates on Strategies and Associated Actions: January 1- May 31, 2024

### Engagement with Organizations

- Through TRB's MOUs with Latinos In Transit (LIT), the Conference of Minority Transportation Officials (COMTO), Council of University Transportation Centers (CUTC), WTS, and its Letter of Intent with the Airport Minority Advisory Council (AMAC), the following efforts have taken place:
  - The TCRP Ambassadors, along with COMTO and APTA, attended four industry conferences where they distributed TCRP products.
  - TRB is planning a transportation equity panel at LIT's Leadership Summit in September, LIT distributed calls for CRP project nominations, and LIT is participating in planning TRB's 2024 Conference on Advancing Transportation Equity.
  - TRB conducted another webinar for AMAC members to introduce ACRP and give tips on submitting a successful proposal for an ACRP contract.
  - At the WTS Annual Meeting, Victoria Sheehan spoke at the Executive Women's Roundtable.
  - Victoria Sheehan renewed TRB's MOU with CUTC.
- TRB works with other organizations (e.g., Historically Black Colleges and Universities, Intertribal Transportation Association, Society of Women Engineers, National Rural Transit Assistance Program, and the Society of Hispanic Professional Engineers) to recruit diverse CRP panel members and encourage participation in standing technical committees.
- Of the 44 contracts awarded through CRP, 6 prime contracts and 16 subcontracts went to businesses identified in the proposals as Disadvantaged Business Enterprises (both minority-owned and women-owned businesses).

### Engagement with Volunteers

- TAD staff are implementing stricter committee rotation policies to ensure that new members will rotate on to committees, which will likely increase diversity of committees. [Demographic data will likely shift after June 15<sup>th</sup> when the rotation process is complete. These data will be reported in the January 2025 report.]
- Data trends from the past three years show incremental progress in diversifying committees and panels and their chairs. For instance, among chairs in TAD and CRP, over 40% are women and over 20% are minorities. And over 12% of volunteers in TAD and CRP are indigenous peoples, African American/Black, or Hispanic.

### DE&I-Related Reports, Projects, and Professional Development

- The Standing Technical Committee on Vehicular User Education, Training, and Licensing released the following circular: [Taxonomy and Terms for Stakeholders of Older Adult Mobility](#).

- Examples of CRP projects in progress that address DE&I-related topics include the following:
  - Using Existing and Emerging Technologies to Identify and Mitigate Human Trafficking at Airports (ACRP)
  - Assessing and Mitigating Racial Disparities in the Enforcement of Pedestrian, Bicycle, and Micromobility Traffic-Related Laws (BTSCRCP)
  - Improving Public Transportation in Rural Areas and Tribal Communities (NCHRP/TCRP)
  - State DOT and Tribal Use of Active Transportation Data: Practices, Sources, Needs, and Gaps (NCHRP)
  - Impact of Transformational Technologies on Underserved Populations (TCRP)
- Examples of recently published reports and projects from the CRPs that address DE&I-related topics include the following:
  - [Tactile Wayfinding in Transportation Settings for Travelers who are Blind or Visually Impaired](#) (TCRP)
  - [Paratransit Fleet Configurations](#) (TCRP)
  - [Advancing Gender Equity in the DOT Workforce](#) (NCHRP)
- TRB's DE&I-related webinars are:
  - [Strategies to Respectfully Address Homelessness at Airports](#)
  - [Respectful Response to People Experiencing Homelessness in Transit](#)
  - [Assessing Airport Programs for Travelers with Disabilities and Older Adults](#)
  - [Transportation for People with Disabilities and Older Adults in COVID-19](#)
  - [Alternative Services for ADA Paratransit Riders](#)
- In July 2024, TRB will host the [2nd Conference on Advancing Transportation Equity](#) in Baltimore and in September 2024, TRB will host the [International Conference on Women and Gender in Transportation](#) in Irvine.

### **Communications to TRB's Stakeholders**

- TRB Communications staff and TAD standing technical committees highlighted transportation issues relative to nationally recognized diversity months: Black History Month (February), Women's History Month (March), and Asian American and Native Hawaiian/Pacific Islander Heritage Month (May).
- TRB's Communications Department released or updated the following articles on its blog:
  - [Women in Transportation](#)
  - [Steps for Transportation Workforce Diversity Outlined in TRB Research](#)
  - [TRB Minority Student Fellows Program Strengthens the Transportation Community](#)

- [Transportation Helps Fight Back Against Human Trafficking](#)
- [Building Socioeconomic Equity Through Transportation Research](#)
- [Equitably Connecting Rural and Urban Populations](#)

**TRB Staff**

- A robust training program sponsored by the Academies provides leadership training and other skills training to all staff to enable them to continuously educate themselves and refine skills.
- Applications from and hiring of a more diverse staff is steadily improving based on HR's outreach efforts into previously untapped communities.

Executive Committee (E0004)  
Subcommittee on International Activities  
Chair, Randell Iwasaki,

Report

June 2024

The Subcommittee last met on June 20, 2024.

The subcommittee considered the following actions –

1. International perspectives drawn from the TRB Critical Issues with a white paper describing international collaboration approaches. The objective of this task would be to identify themes for international cooperation between TRB and our international partners. The information on subjects will help TRB and its international partners organize events like workshops held during our annual meeting, session convened at their conferences, and joint webinar series.
2. Several of our international partners are interested in exploring the impacts and risks artificial intelligence may have on international collaboration. What can be done to protect our relationships and trust in our work?
3. There is an opportunity to build a collaborative network to nurture young researchers and professionals. Organizations such as COTA, ECTRI, WCTRS and TRB have committees to cultivate students and young professionals into their missions. These organizations can exchange information about each of their efforts and consider opportunities to connect the members of each other's groups.

Memoranda of Understanding and other Agreements

TRB signed a new agreement with the Union Internationale des Transports Public (UITP – also known as the International Association of Public Transport) on April 15, 2024, at the Transport Research Arena, Dublin, Ireland. Much like the other agreements the MOU with UITP focuses on collaboration on joint events, sharing of information, and promoting each other's publications. The following are other organizations we have active agreements -

- China Highway and Transportation Society (CHTS)
- China Overseas Transportation Association (COTA)
- European Conference of Transport Research Institutes (ECTRI)
- International Road Federation - Geneva (IRF)
- International Transport Forum (ITF)
- Pan-American Society of Transportation Research (PANAMSTR)
- The World Bank
- World Conference on Transport Research Society (WCTRS)
- World Road Association (PIARC)

2024 Events with International Partners

TRB co-sponsored and participated in the following international partner events –

**Transportation Research Arena, Dublin, Ireland – April 15 – 18, 2024**

- Conference themes –
  - Safe & Inclusive Transport

- Sustainable Mobility of People and Goods
- Efficient & Resilient Systems
- Collaborative Digitalization
- Attendance was the largest ever for the TRA with also the largest delegation from the US.
- Planning Committee members worked with Victoria Sheehan, Bill Anderson, and Christos Xenophontos to include presentations by US attendees in many sessions.
- TRB and PIARC organized *Host Sessions 1 & 2 Transport Agency of the Future*. The International Coordinating Council (ICC), AJE10, and AJE20 help organize this event.
- TRB, Arup, and Transport Infrastructure Ireland organized a *Host Fireside Chat – Women in Transport: Agents of Change*. Victoria Shaheen was a panelist.
- Bill Anderson spoke in a technical session on Open Science that was organized by ECTRI. Also, he moderated a technical session on Sustainability.
- ICC held its mid-year meeting during this conference.
- TRB and UITP signed their MOU for international collaboration.

#### ITF Annual Summit, Leipzig, Germany – May 22 – 24, 2024

- Summit theme was *Greening Transport: Keeping Focus in Times of Crisis*
- TRB hosted a Call for Abstracts for presentation in three Research Sessions
- TRB, European Commission, ITF, ECTRI and WCTRS jointly drafted the Call for Abstracts and these three Research Sessions –
  - *Bridging the gap for wider zero-emission vehicle uptake*
  - *Planning for transport adaptation and mitigation*
  - *Shaping cities for sustainable and inclusive accessibility*
- We improved the organizing process to be more seamless compared to the previous edition. And ensured that research sessions focused on how research becomes practice.
- Many attendees responding to a Summit Survey highlighted their appreciation of the research sessions because they provided evidence-based insights and concrete action points on how to address key issues for the transport policy community.
- We maintained diversity, having speakers from more than 10 countries, as well as gender parity.

#### 7<sup>th</sup> EU-US Transportation Research Symposium, Washington, DC – June 11 – 12, 2024

- Title of the Symposium: *Global Pathways to Net-Zero: Behavioral, Social, and Technological Research and Innovation (R&I) Strategies for Transportation Decarbonization*.
- Organized by TRB, US Department of Transportation, European Commission, and SYMPEUS.
- Conference Proceedings will be published and released at TRB Annual Meeting 2025 during a workshop.

#### US-China Young Researchers Seminar, Shenzhen, China – July 23-26, 2024

- TRB and the China Highway Transportation Society (CHTS) organize this seminar for young researchers around the theme of *Smart Cities and Sustainable Transportation* to be held during 24<sup>th</sup> COTA International Conference of Transportation Professionals (CICTP 2024). Chinese Overseas Transportation Association (COTA), International Road Federation (IRF), and Shenzhen University of Technology helped to plan this seminar.
- Chinese Overseas Transportation Association (COTA) held a Call for Abstracts to fund six young researchers from the US to attend in-person.

# Marine Board of the Transportation Research Board

TRB Executive Committee Meeting *June 2024*

*Dr. Craig Philip, NAE, Chair*

*Dr. Sandra Knight, Vice Chair*

*Scott Brotemarkle, Marine Board Program Director*

*Tess Austin, Marine Board Staff*



# Marine Board of the TRB

Formed in 1965 to serve the national interest by providing a forum for the identification of research and development needs and information exchange concerning technologies, policies, economics, the environment, and other issues affecting the marine transportation system and offshore industries.

## Core Sponsors of the Marine Board

- U.S. Coast Guard
- U.S. Army Corps of Engineers\*
- National Oceanic and Atmospheric Administration/National Ocean Service
- Bureau of Safety and Environmental Enforcement
- Maritime Administration
- Office of Naval Research/U.S. Navy
- Supervisor of Salvage & Diving, Naval Sea Systems Command/U.S. Navy

# Marine Board Areas of Interest

- Emerging Technologies and Potential Impacts on Maritime
- Environmental Justice and Social Equity in the Marine Transportation System
- Future of the Maritime Supply Chain
- Maritime Resilience
- Towards Zero Emissions Shipping
- U.S. Offshore Wind Energy Development

## Crosscutting Elements

- Human and Intellectual Capital / Workforce Diversity Equity, and Inclusion
- Safety Management, Culture and Inspections
- Cyber in the Marine Transportation System

# 2024 Marine Board Call for Nominations

The Marine Board will have three vacancies for which we are seeking qualified candidates. The Marine Board is seeking specific expertise in the following areas:

- Offshore Energy Operations, Safety and Regulation
- Maritime Economics, Policy and International Trade
- Maritime Law and Regulatory Issues

Nomination Form: <https://survey.alchemer.com/s3/7803038/Marine-Board-Call-for-Experts>

If you wish to nominate individuals for consideration, please complete the on-line nomination form on or before June 30, 2024.

# Marine Board Spring 2024 Meeting

## April 16-18, 2024, University of New Orleans, LA

### Focus Sessions:

- Riverine and Coastal Resilience – Mississippi River and Gulf of Mexico
- Nearly Twenty Years Since Hurricane Katrina – Resilience, Risk Reduction and Infrastructure Considerations
- Port of New Orleans and Port Infrastructure: A Discussion with Local and National Leadership
- Mississippi River Commission: In Conversation with Former Commission Members Dr. Norma Jean Mattei and Rear Adm. Shep Smith (NOAA-Ret.)
- Spotlight on Maritime Education: Universities of Louisiana Maritime Academy
- Briefs from Marine Board Sponsors with focus on Gulf and Baltimore Bridge Collapse Response

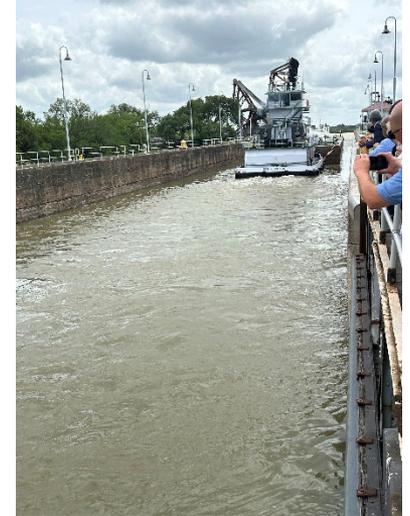


# Marine Board Spring 2024 Meeting

## April 16-18, 2024, University of New Orleans, LA

### Technical Tours:

- Tour of Infrastructure Associated with the Greater New Orleans Hurricane & Storm Damage Risk Reduction System (HSDRRS)
  - Inner Harbor Navigation Canal Lock
  - Inner Harbor Navigation Canal Lake Borgne Surge Barrier
- Vessel Tour of Associated Terminals and Mississippi River Operations via Turn Services - mid-stream transfer operation facilitating ocean vessel transloading on the Lower Mississippi (between deep draft ocean-going vessels and river barges)



# 2024 Marine Board Summer and Fall Activities

## Targets for Summer and Fall Meetings with Sponsor Leaders

- U.S. Army Corps of Engineers
  - Major General William (Butch) H. Graham, Deputy Commanding General for Civil Works and Emergency Operations
  - Edward Belk, Director of Civil Works
- National Oceanic and Atmospheric Administration
  - Nicole R. LeBoeuf, Assistant Administrator, NOAA's National Ocean Service
  - Rachael A. Dempsey, Deputy Assistant Administrator for Navigation, Observations, and Positioning
  - Rear Admiral Benjamin K. Evans, Director, Office of Coast Survey
- U.S. Coast Guard
  - Vice Admiral Peter W. Gautier, Deputy Commandant for Operations

## Fall Meeting - November 18-19, Keck Center, Washington, D.C.

### Notional Topical focus areas:

- Space Port Operations and USCG Support
- Decarbonization in Maritime
- Key Bridge Collapse: Federal Roles in Response and Long-Term Implications/Opportunities

## Young Members Coordinating Council Report, June 2024

In its fifteenth year, the Young Members Coordinating Council (YMCC) has continued to develop and promote opportunities for involvement, resources, connections, and representation at all levels of TRB.

Niloo Parvinashtiani effectively assumed the YMCC Chair position on April 15, 2024. Under Ms. Parvinashtiani's leadership, YMCC continues to hold periodic meetings and to promote and maintain young professional involvement through efforts including.

2024 Annual Meeting Activities: YMCC and the Group Subcommittees continued to be actively engaged in leading a variety of program elements during January, including:

- Meetings of Young Members Coordinating Council and the following Group-level Young Member Subcommittees: Aviation, Freight Systems/Marine, Policy and Organization, Public Transportation, Safety and Operations, Sustainability and Resilience, Transportation Infrastructure;
- YMCC organized the workshop, *Early Academic Successful Careers: Resources and Advice*, with the participation of TRB leaders.
- YMCC introductions to the TRB minority fellows and presence at the *New Attendee Engagement Session*;
- Group-level Young Member Subcommittees led or were involved in more than 16 technical sessions.

YMCC Rotation: Five subcommittees had leadership changes as of April 2024. The young member subcommittee with new (co)chairs are Data Planning and Analysis, Transportation Infrastructure, Safety and Operations, and Aviation. One of the co-chair positions is currently vacant for the Sustainability and Resilience group.

Strategic Planning: YMCC has developed a new triennial strategic planning to guide Council efforts over the next several years. The triennial plan includes YMCC's scope and organization and focuses on four goal areas: Involvement (promoting active involvement), Resources (providing targeted resources), Connections (fostering connections), and Representation (advocating for representation to empower young members and friends). See attached Triennial Strategic Plan.

## Strategic Plan for Young Members Coordinating Council

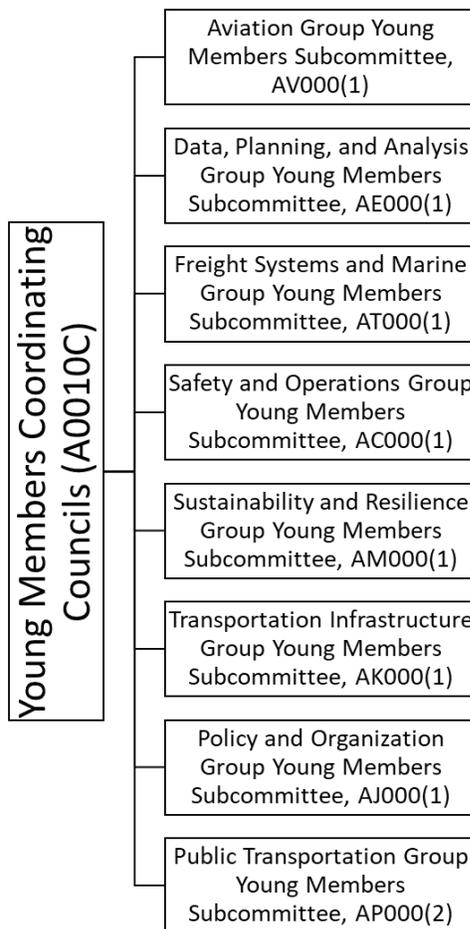
2024-2027

### SCOPE

The Young Members Coordinating Council (YMCC) initiates and carries out activities to serve young members of TRB and provides input to the Technical Activities Council and standing committees to promote the involvement of young professionals.

### ORGANIZATION

The Young Member Coordinating Council brings input from the committee structure through the subcommittees representing each of the groups. YMCC membership is made up of the group-level young member subcommittee chairs. For its operations, YMCC takes advantage of members, liaisons, and friends. Additionally, YMCC can organize Working Groups as an unofficial substructure to perform Council activities.



## GOALS

YMCC promotes active involvement, provides targeted resources, fosters connections, and advocates for representation to empower young members and friends (currently defined as 35 years of age or younger) across disciplines within TRB and the transportation community. YMCC is tasked with (1) serving as young professionals' liaison to and from TRB leadership, (2) organizing TRB-wide young member activities, and (3) sharing of best practices across the YMCC subcommittees on how to engage young professionals within TRB. The YMMC Goals include:

1. **Involvement:** Providing opportunities for young professionals to get actively involved with TRB:
  - a. Volunteering to help organize and participate in events at YMCC level and Group-level Young Member subcommittee level
  - b. Engaging in TRB Group-level Young Member subcommittee activities
2. **Resources:** Providing targeted resources geared toward young professionals:
  - a. In person meetings, technical sessions, and workshops
  - b. Virtual events (webinars, etc.)
  - c. Young Member TRB guides
3. **Connections:** Providing networking opportunities and connecting young professionals with TRB committees and with peers from around the world:
  - a. Serving as a forum to connect over cross-cutting issues raised by TRB groups, sections, and standing committees
  - b. Offering guidance to groups, sections, and committees on ways to actively engage young members and friends
4. **Representation:** Serving as young professionals' liaison to and from TRB leadership and the research community to include and address young member perspectives. YMCC advocates for young members within TRB, aiming to respond to and occasionally request changes to ensure that young professionals' interests are represented. The YMCC serves:
  - a. TRB leadership (Staff, Technical Activities Council, and Executive Committee)
  - b. TRB Group-level young member subcommittee chairs/co-chairs
  - c. Standing Committee Chairs
  - d. Young members and friends of standing committees
  - e. Young attendees to TRB conferences and other events



**NATIONAL ACADEMIES** Sciences  
Engineering  
Medicine

# Cooperative Research Program Update

Russell Houston  
TRB Executive Committee

JUNE 25, 2024

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## CRP By the Numbers

Program	Planning	Active w/ SA	SA Exec 2024	SA Pending 2024	2024 Completed
NCHRP	91	211	65	59	49
TCRP	*	39	3	2	5
ACRP	**	48	10	11	9
BTSCRIP	6	11	0	4	3
Totals	97	309	78	74	66

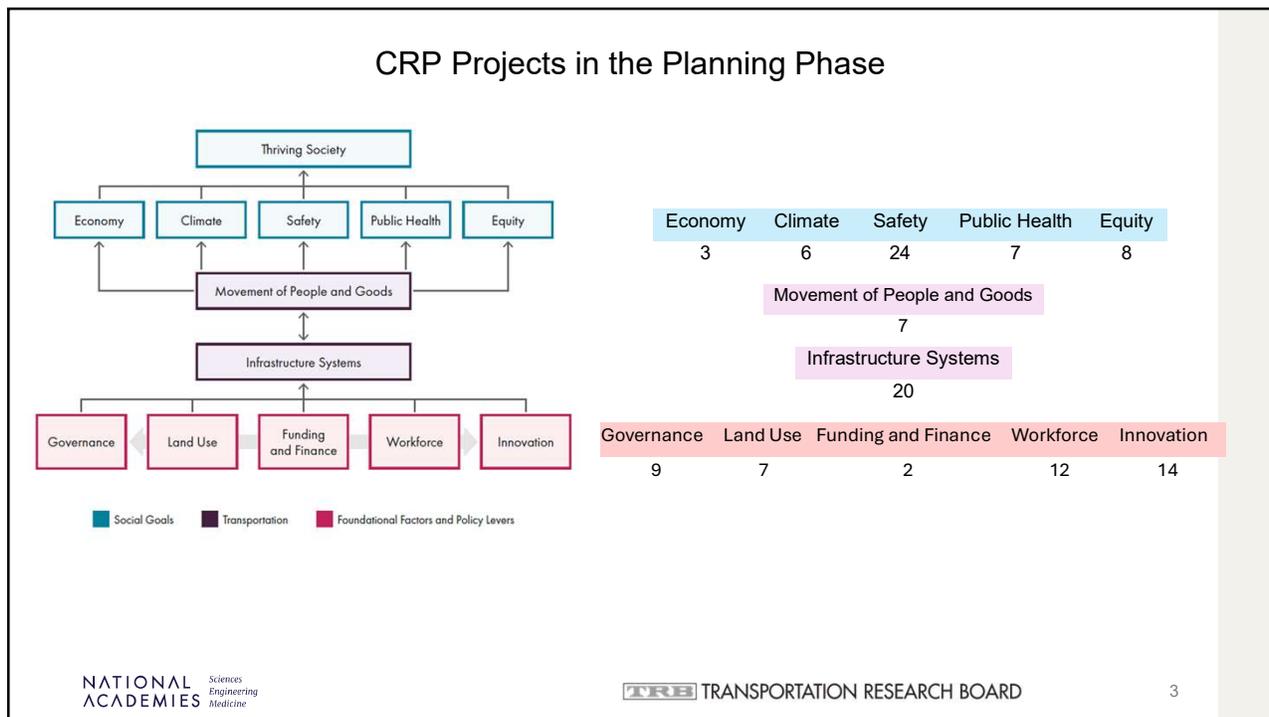
\* Project Selection June 27  
 \*\* Project Selection July 17 & 18  
 SA = Subawards

NATIONAL ACADEMIES Sciences  
Engineering  
Medicine

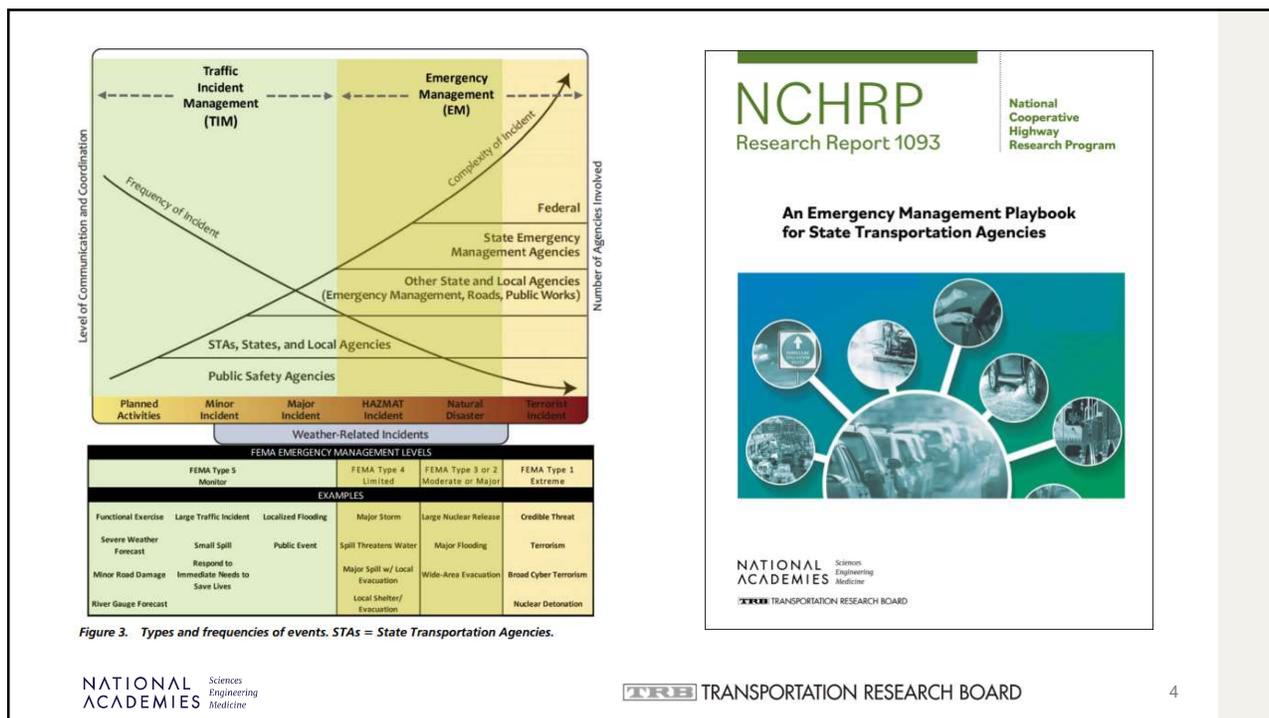
 TRANSPORTATION RESEARCH BOARD

2

2



3



4

### Total Number of People Experiencing Homelessness by Type, in 2020

Type	Total
Overall	580,466
Individuals	408,891
People in Families	171,575
Chronically Homeless Individuals	110,528
Veterans	37,252
Unaccompanied Youth	34,210

Data from the National Alliance to End Homelessness (n.d.).

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Medicine

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**HVE Safety Analysis Data Sources**

- Enforcement Activity Data**: Citation, warning and complaints data (e.g., TraCS), agency man-hours, law enforcement activity logs
- Public Awareness**: Public surveys, media contacts
- Speed Data**: Vehicle probe data, sensor data, field collected speed data (e.g., hand-held radar gun, pneumatic tubes, multi-lane radar traffic data collectors)
- Seat Belt Usage Data**: Seat belt surveys, crash data, citation data
- Crash Data**: State motor vehicle crash databases, FARS, GES, HSIS, MCMIS, insurance industry databases
- Driver BAC Levels**: Crash data, citation data, checkpoints

**BTSCRP Research Report 10**  
Behavioral Traffic Safety Cooperative Research Program

**Combined High-Visibility Enforcement**  
DETERMINING THE EFFECTIVENESS

NATIONAL ACADEMIES OF SCIENCES, ENGINEERING, AND MEDICINE  
TRANSPORTATION RESEARCH BOARD

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## Moving to NAP Publication Fulfillment May 29

- Duplication of publication warehouses
- Shrinking bookstore staff
- Continued integration of TRB activities within the NASEM framework
- Logical next step from the August 2012 effort to have TRB publications in NAP
- Bookstore software will no longer be supported June 2024
- Free up Communications Team from administrative requirements
- Take advantage of NAP's book promotion and dissemination expertise

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**NATIONAL ACADEMIES**  
Sciences Engineering Medicine



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All

by Series

by Subject

Errata

Cooperative Research Programs Series

Highway (NCHRP)

Transit (TCRP)

Airport (ACRP)

Hazardous Materials (HMCRP)

Freight (NCFRP)

Rail (NCRRP)

Behavioral Traffic Safety (BTSCR)

Other TRB Series

Consensus Studies

Strategic Highway Research (SHRP-2)

Exploratory Analysis (IDEA)

Commercial Truck and Bus Safety (CTBSSP)

Conferences and Workshops Proceedings

TRR Journal

Transportation Research Circulars

Periodicals and Other Documents

TR News Magazine

Research Pays Off

State of the Art Reports

Millennium Papers

Miscellaneous

Annual Reports

TRB Annual Report

Marine Board Annual Report 2005

Access Management Manual, Second Edition



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### Using Cooperative Automated Transportation Data for Freeway Operational Strategies

Since the introduction of digital computers more than 50 years ago, continuous developments in computer technology, emerging data sources, and communications have created opportunities for operational strategies and performance measures to improve freeway network safety and transportation management system and the larger cooperative automated transportation system.

Supplemental to the report is a source code archive, a PowerPoint presentation, and an Implementation Plan.

Project: Project Information  
DOI: 10.17226/27748  
Project Number: 08-145

E-Newsletter Type: Recently Released TRB Publications  
TRB Publication Type: NCHRP Report

This Summary Last Modified On: 4/8/2024

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## Using Cooperative Automated Transportation Data for Freeway Operational Strategies

(2024)

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Since the introduction of digital computers more than 50 years ago, continuous developments in computer technology, emerging data sources, and communications have created opportunities for operational strategies and performance measures to improve freeway network safety and mobility.

[\[read full description\]](#)

**Contributor(s):** National Academies of Sciences, Engineering, and Medicine; Transportation Research Board; National Cooperative Highway Research Program; Meenakshy Vasudevan; James O'Hara; Matthew Samach; Claire Silverstein; Sampson Asare; Haley Townsend; Ian McManus; Kaan Ozbay; Jingqin Gao; Chuan Xu; Yu Tang; Di Sha; Fan Zuo

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**– Additional Book Information**

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## Distribution Services

**Goals:** Global physical delivery of any front list title to customer within 10 days  
Immediate digital availability upon release

**Team:** Publisher, Sales Manager, Customer Service Manager, Director of Publishing Systems, and Data Specialist

Two Physical Distribution Locations

- Each setup as distributor of record for their respective territories and configured to accept orders from wholesalers, retailers, and others via electronic data interchange (EDI) as well as email, fax, and phone

>30 Digital Distribution Channels

- NAP.edu, digital platforms, strategic partners, and registration and discovery services

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## Digital Distribution – 12,250 Online Titles (2,962 TRB)

- Every title has
  - Landing “catalog” page
  - Free to read html version
  - Free PDF download of the entire publication and by chapter
  - Links to related titles, org units, and topics
  - NAXchange analytics

Every title is promoted at release to our 400,000 subscriber email list based on explicit and/or implicit preferences. (197,529 have Transportation as an attribute.)

- Most titles also have
  - Print versions for purchase (either from stock or POD)
  - eBook versions for purchase (after 2010)
  - Ancillary resources for free download

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## Features of the NAP.edu - [nap.nationalacademies.org](http://nap.nationalacademies.org)

- Feature Titles
- New Releases
- Collections
- Topics
- Slider/Carousel
- MyNAP 1.6 Million Members
- Personalized Content
- Advanced Search
- Search Inside
- Skim Feature
- Digital Object Identifier
- Local Redundant Archive
- National Disaster Recovery Service
- International Dark Archive (CLOCKSS) \*

**Behind the Scenes**  
 SEO Optimized | **WCAG AA Accessible** | PCI Compliant Security | Shopping Cart Management



4

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## Physical Distribution Centers

<p><b>Books International</b>                  Location: Vienna, Virginia</p> <p>Territory: North and South America, Peoples Republic of China, Taiwan, Japan, India, Indonesia, Korea, Malaysia, the Philippines, and other Asian nations</p> <p>Stock: 5,317 titles (2,410 POD)</p> <p>Top Customers: NAP.edu, Amazon, Ingram, Baker &amp; Taylor, Follett University Bookstores, Barnes &amp; Noble University Bookstores</p>	<p><b>Marston Book Services</b>                  Location: Oxford, England</p> <p>Territory: United Kingdom, Europe, former Soviet Republics, Africa, Australia, New Zealand, and the Middle East</p> <p>Stock: 3,706 titles (3,250 POD)</p> <p>Top Customers: Gardners, Amazon EU, Fishpond GMBH, Lehmans Media, PBShop</p>
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## Dissemination

The same data used to populate our websites and sales systems are distributed to:

- Wholesale and Retail Booksellers
- Digital Platform Vendors
- Strategic Partners
- Registration and Discovery Services

Data are sent in industry standard ONIX format and include the following fields:

- |                    |                |                        |
|--------------------|----------------|------------------------|
| • Title            | • Description  | • ISBN                 |
| • Publication Date | • Contents     | • Price                |
| • Page Count       | • Authors      | • DOI                  |
| • Trim Size        | • Contributors | • Cover                |
| • Format           | • Publisher    | • BISAC or THEMA Codes |

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## Wholesale and Retail Booksellers

- Amazon – Largest single vendor of National Academies publications. We maintain a dedicated representative to Amazon, Big River Consulting, to help manage account.
- Amazon eBook – Largest vendor by value of National Academies eBooks, lists all of our available eBook titles.
- Baker & Taylor – Principal wholesaler to the scientific, technical, and medical book trade. Also sells print and eBook into academic libraries.
- Google eBook – Holder of the greatest number of National Academies electronic titles, provides discovery through search, scholar, and other services as well as modest sales.
- Barnes & Noble – Large retail player but most sales come from university bookstores.
- Apple eBook – Provides National Academies titles in the Apple ecosystem for phone, tablet, and macOS.

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## Digital Platform Vendors

- EBSCO – Knowledge services for research libraries, health care libraries, and schools
- Proquest (Clarivate) – Academic, corporate, government, public, and school libraries
- Overdrive – Public libraries, corporate and law libraries, military education
- Co Info – Australia-based academic library supplier (Australia, NZ, Fiji, and PNG)
- Kortext – UK academic institution course materials supplier
- BibliU – Community colleges and Vocational Training Center materials
- China National Knowledge Infrastructure (CNKI) – Scholarly, technical, and medical database
- Perusall – Online social annotation platform for academic market
- RedShelf – UK and EU bookstores
- Knovel – Corporate libraries and custom training resources

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## Strategic Partners

- Pubmed/NCBI Bookshelf – Provides free online access to books and documents in life science and health care sponsored or requested by NIH. Available via Pubmed.
- Education Resources Information Center (ERIC) – Department of Education bibliographic database of education research and information.
- NSA Library – Harvest National Academies publications to make them available in SCIF environments.
- Bookshare – An accessible online library for people with print disabilities. Registered educators and students can access accessible versions of National Academies reports.
- Copyright Clearance Center – Automated platform for the acquisition of permissions for reuse, free or paid, and related documentation.
- BUKU – Low-cost, low-bandwidth access to National Academies reports for education. Available in Africa, India, Oceania, and the Caribbean.

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## Registration and Discovery Services

- Bowker – The ISBN source of record for North America. Referred to by commercial and library bibliographic services.
- Nielsen Bookdata – The ISBN source of record for UK and Europe. Referred to by commercial and library bibliographic services.
- OCLC WorldCat – Provides Machine-Readable Cataloguing (MARC) records for use in Online Public Access Catalogues (OPACs) and public database of library availability with location.
- Crossref.org – Registration and management of Digital Object Identifiers (DOI)
- Copyright.gov – Registration of copyright under U.S. copyright laws.
- Elsevier (Scopus) – Abstract and citation database serving the information needs of researchers, educators, and students.
- Clarivate Web of Science – Citation network and index linking National Academies materials to scholarly works.

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## International Outreach

### International Distribution

United Kingdom / Europe / Middle East / Africa distribution through **Marston Book Services**

Distribution in Asia through **World Scientific Publishing** and **Maruzen**

### Literary Representation

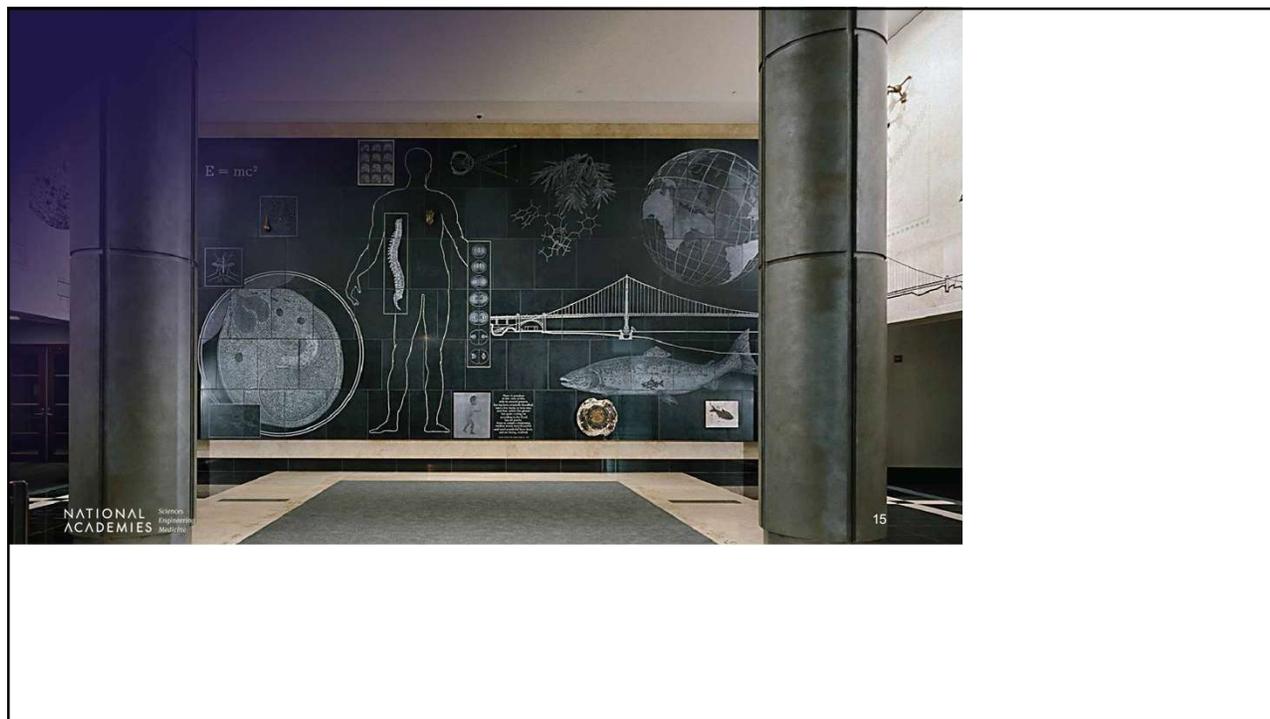
- Andrew Nurnberg Associates | Rightol Media | Big Apple (PRC) | Japan-Uni | Tuttle-Mori (JP)| Eric Yang Agency (Korea and Taiwan) | Berla & Griffini (IT) | Amelie Cherlin (Middle East)

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### Connecting with Publishers and Literary Agents

- Frankfurt Book Fair | London Book Fair | FIL-UNI Book Fair | Frankfurt Rights

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June 17, 2024

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**(Members continued)**

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**(Members continued)**

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## **Representatives to the TRB Executive Committee**

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**Changes in Executive Committee Membership****New Officers**

**Garrett Eucalitto**, Commissioner, Connecticut Department of Transportation

**Marc D. Williams**, Executive Director, Texas Department of Transportation

**New Ex-Officio Members**

**Rand Ghayad**, Senior Vice President, Policy and Economics, Association of American Railroads

**Sue Lawless**, Acting Deputy Administrator, Federal Motor Carrier Safety Administration

**Zahra “Niloo” Parvinashtiani**, Engineer, Mobility Consultant Solutions, Iteris, Inc.

**Veronica Vanterpool**, Acting Administrator, Federal Transit Administration

June 17, 2024  
Page 8 of 8**TRB STAFF ATTENDING JUNE 24-25, 2024  
EXECUTIVE COMMITTEE MEETINGS****EXECUTIVE OFFICE**

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**OFFICE OF THE CHIEF COMMUNICATIONS OFFICER**

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# TRB Staff Organization and Divisional Responsibilities

**EXECUTIVE DIRECTOR**  
**Victoria Sheehan**

**ASSOCIATE EXECUTIVE DIRECTOR**  
**Russell Houston**

- Annual Meeting Exhibit and Patron Programs
- Committee and Panel Approvals
- Communications
- Information Technology
- Transportation Research Information Services

**STRATEGIC PROGRAM DEVELOPMENT DIRECTOR**  
**Patrice Davenport**

- Revenue Development
- Strategic Initiatives

**SR. REPORT REVIEW OFFICER**  
**Karen Febey**

- Report Review
- Minority Student Fellows Program
- Inclusion & Diversity
- TRB Division Committee

**HR DIRECTOR**  
**Claudette Louard-Clarke**

- Human Resources
- Staff Development Training

**TECHNICAL ACTIVITIES**  
**Ann Brach**

- Annual Meeting Program
- Conferences and Workshops
- Marine Board
- Standing Technical Committees
- State Visits
- Transportation Research Record: Journal of the Transportation Research Board

**Consensus and Advisory Studies Division**  
**Thomas Menzies**

- Consensus Studies
- Forums and Roundtables
- Research Program Advisory Committees

**ADMINISTRATION AND FINANCE**  
**Gary Walker**

- Budgets and Finance
- Affiliates Accounts
- Publications Sales and Distribution
- Administrative Services

Note: organizationally is part of the Office of the Chief Financial Officer

**COOPERATIVE RESEARCH PROGRAMS**  
**Russell Houston (Acting)**

- National Cooperative Highway Research Program
- Airport Cooperative Research Program
- Transit Cooperative Research Program
- Behavioral Traffic Safety Cooperative Research Program

**DESCRIPTIONS OF TRB DIVISIONS**

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<b>Technical Activities</b>	<b>5</b>
<b>Consensus and Advisory Studies</b>	<b>6</b>
<b>Cooperative Research Programs</b>	<b>6</b>

## **EXECUTIVE OFFICE**

**Victoria F. Sheehan, Executive Director**

### **TRB Executive Office**

TRB's Executive Office is headed by Executive Director Victoria Sheehan. The TRB Executive Office provides policy and operational guidance for programs and activities; oversees committee and panel appointments and report review; provides support and direction for human resource issues and staffing needs; directs the Board's communications and information technology efforts; operates a bibliographic database of transportation research and provides library reference services; provides staff support to the Executive Committee and the TRB Division Committee; and maintains liaison with the executive offices of the National Academies of Sciences, Engineering, and Medicine, the Board's parent institution.

### **Oversight Activities**

The Executive Office supports the work of the TRB Executive Committee, which provides policy direction to TRB programs and activities within the overall policies of the Academies. Oversight of committee and panel appointments and of report review is the responsibility of the TRB Division Committee, which ensures that TRB meets institutional standards and that its activities are appropriate for the Academies. As part of its oversight function, the committee monitors the Board's progress in expanding the representation of minorities and women on TRB committees and panels.

Chris Hendrickson, Chair, TRB Division Committee, represents TRB as an ex officio member on the NRC Governing Board. The Executive Office processes the Board's large volume of committee and panel appointments and maintains committee membership records. A hallmark of the Academies is its institutional process to ensure the independent, rigorous review of reports. In maintaining these high standards, TRB follows Academies' guidelines that carefully match the review criteria and procedures to the type of report.

### **Program Development and Strategic Initiatives**

In addition, the Executive Office is responsible for ensuring stable, long-term revenue streams for TRB and for coordinating strategic initiatives across the board's various divisions. To carry out these responsibilities, the EO helps facilitate the increased use of technology to deliver TRB products and services; oversees the development and implementation of action plans for strategic, long term, cross cutting, and critical issues; encourages the exploration of new and innovative ways to facilitate information transfer within the rules of the Academies; helps promote the value of TRB products and services; oversees TRB's international participation

strategy; administers the Minority Student Fellows Program; and is responsible for helping to ensure the continued development of the next generation of TRB volunteers.

## Communications

The Executive Office is charged with developing, coordinating, and carrying out communications activities that span the entire organization. The following communications activities conducted by the NASEM's Office of the Chief Communications Officer are overseen by the Executive Office:

- The [Transportation Research E-Newsletter](#) is a free weekly electronic service designed to keep individuals up-to-date on TRB activities and to highlight selected transportation research related activities taking place at the federal and state levels, and within the academic and international transportation communities. More than 67,000 people from around the world receive the E-Newsletter.
- The [TRB Webinar Series](#) produces approximately 100 webinars per year on a variety of topics. TRB's webinars are produced with funding received from TRB Sponsors and TRB Sustaining Affiliates. Accordingly, employees of TRB Sponsors and TRB Sustaining Affiliates may attend the session without a fee. TRB is authorized to issue Professional Development Hours (PDH) for select, live webinars. TRB is also registered with the American Planning Association's professional institute, the American Institute of Certified Planners (AICP), to provide Certification Maintenance credits.
- TRB uses [Social Media](#) such as Twitter, Facebook, and LinkedIn to help our audience stay connected to transportation research. Social media also helps TRB to better understand how its reports and products are being used.

## Information Technology and Research Services

TRB has a consolidated Information Technology (IT) and Transportation Research Information Services (TRIS) department. Both groups have key responsibilities that include the development, maintenance, and application of software in support of various TRB missions.

The IT group's primary focus are systems operation, maintenance, and management. The focus aligns with the TRIS staff's responsibilities in relation to the Transport Research International Documentation ([TRID](#)) database, the Research in Progress ([RiP](#)) database and website, the Research Needs Statements ([RNS](#)) database, and the TRB [Publications Index](#).

The responsibilities of the IT and Research Services groups include customer support for internal and external users of TRB's software systems; software enhancement and development; server and website monitoring and security; general IT support activities, such as training, documentation, and troubleshooting; and management and operation of transportation research services, bibliographic databases, and the [TRB Library](#).

## TRID

In January 2011, TRB and [ITRD](#) released [TRID](#), the TRIS and ITRD Database. TRID is the world's largest and most comprehensive bibliographic resource on transportation research information. It is produced and maintained by the Transportation Research Board of the US National Academies with sponsorship by State Departments of Transportation, the various administrations at the U.S. Department of Transportation, and other sponsors of TRB's core technical activities. ITRD is produced by ITRD member organizations under the sponsorship of Joint Transport Research Centre (collectively JTRC) of the International Transport Forum and Organisation for Economic Co-operation and Development (OECD) and ITRD. The records comprise published or ongoing research in English, German, French, or Spanish; more than 200,000 records link to full-text publications. The service offers simple and advanced searching and allows users to download and e-mail results, as well as to share via social media. TRID is available free of charge on TRB's website.

## Publications Index

The TRB Publications Index includes more than 65,000 citations and abstracts for all TRB, Highway Research Board (HRB), Strategic Highway Research Program (SHRP), and Marine Board publications since 1923. The index offers simple and advanced searching and allows users to download and e-mail the results in a variety of formats. Records contain links to available full-text documents and to ordering information.

## Research Needs Statements Database

The RNS database is a dynamic collection of highest-priority topics developed by TRB technical standing committees. The database serves as a tool for reviewing research needs, setting research priorities, and identifying gaps in current research.

## Research in Progress Database

RiP is a searchable database of records of active or recently completed research projects from State Departments of Transportation, the modal administrations at the U.S. Department of Transportation, the Transportation Research Board, and university transportation centers. The current awareness service notifies users about new and updated project records in specified subject areas. [TRID](#) offers users an option for searching the [RiP](#) database or the [RiP](#) and [TRID](#) databases simultaneously.

## TRB Library

The TRB Library provides research and reference services to TRB sponsors, committee members, and staff. The library subscribes to almost 250 serial titles and contains the complete collection of TRB, HRB, SHRP, and Marine Board publications.

The TRB Library participates in the Eastern Transportation Knowledge Network and in the National Transportation Knowledge Network.

## TECHNICAL ACTIVITIES

**Ann Brach, Director**

### About the Technical Activities Division

#### Who We Are

The Technical Activities Division provides a forum for transportation professionals to identify, facilitate, and share research and information related to transportation. The Division carries out activities on behalf of TRB sponsors and the transportation community through a network of over 200 [standing committees](#) comprised of more than 5,000 volunteers.

#### Our Mission

The Technical Activities Division supports TRB's mission of promoting innovation and progress in transportation through research and information exchange by identifying [needed research](#) and [research in progress](#), and disseminating [completed research results](#).

#### Our Staff

The [Technical Activities Division staff](#) consists of specialists within each transportation mode and topic, as well as specialists in publishing, meeting logistics, and business operations. They oversee the activities of the Division's network of volunteers, who carry out the following activities:

#### Our Activities

- **Standing committees and task forces** provide an opportunity for you to network with others in your field, and stay current on emerging issues while contributing to the continuing evolution of transportation research and practice. Learn [how to get involved in standing committees](#).
- **Technical Activities Council**, consisting of the overall Chair and the Chairs of each of the [Groups of committees](#), provides a forum for interchange between the Groups of committees. They assist in identifying emerging topics of interest to the transportation community and cross-cutting issues, and foster outreach efforts to other transportation organizations.

- **Conferences, Meetings, Webinars, and Workshops** are sponsored and co-sponsored by many of the Division's standing committees.
- **TRB Annual Meeting** is hosted every year and is the largest transportation conference in the world with over 700 sessions, workshops and 300 meetings that attracts over 14,000 professionals from around the globe. The Annual Meeting is held in January of every year in Washington, DC.
- **Supporting State DOT Representatives & Our Field Visit Program** serves as a major source of information collected and disseminated by TRB. Transportation professionals on the TRB staff meet on site with representatives of state departments of transportation, and with representatives of universities, transit, and other modal agencies and industry. Annual results of field visits are published each year.
- **Publications** are disseminated by the Technical Activities Division that showcase transportation research results through [Transportation Research Records](#), [Conference Proceedings](#), and [Transportation Research Circulars](#).

## CONSENSUS AND ADVISORY STUDIES

**Tom Menzies, Director**

### Consensus and Advisory Studies Division

The Consensus and Advisory Studies Division conducts consensus and advisory studies at the request of the U.S. Congress, executive branch agencies, states, and other sponsors.

## CONSENSUS AND ADVISORY STUDIES

With the guidance of committees drawn from the nation's leading experts, [the Consensus and Advisory Studies unit](#) produces reports examining complex and controversial transportation issues. Studies cover all modes of transportation and a variety of safety, economic, environmental, and research policy issues. The U.S. Congress and the executive branch have adopted many recommendations from the reports, attesting to the substantive value of the studies. The TRB Executive Committee's Subcommittee on Planning and Policy Review provides oversight for the unit. All completed consensus reports, dating from 1982, are posted on the TRB website, <http://www.trb.org/Publications/PubsPolicyStudiesSpecialReports.aspx>.

### Cooperative Research Programs Division

**Russell Houston, Acting Director**

The Cooperative Research Programs Division of the TRB, led by Acting Director Russell Houston, administers a number of major research programs sponsored by other organizations.

### **National Cooperative Highway Research Program**

Sponsored by the member departments of the American Association of State Highway and Transportation Officials (AASHTO) in cooperation with the Federal Highway Administration, the NCHRP was created in 1962 as a means to accelerate research on problems that affect highway planning, design, construction, operation, and maintenance nationwide. All of the state highway and transportation departments contribute to an annual cooperative pool to fund the program's activities. AASHTO committees and member departments and the Federal Highway Administration recommend research topics each year, and the AASHTO Special Committee on Research and Innovation (R&I) determines both the projects to be funded and the levels of funding for those projects. A close working relationship with AASHTO during execution of the projects and the participation of experienced practitioners on project panels help ensure the application of completed NCHRP study results.

### **Transit Cooperative Research Program**

The TCRP was initiated in 1992 by three cooperating organizations: the Federal Transit Administration, the program sponsor; the Transit Development Corporation, a nonprofit educational and research organization established by the American Public Transportation Association, which provides program governance through the TCRP Oversight and Project Selection (TOPS) Committee; and the National Academies of Sciences, Engineering, and Medicine, acting through TRB, which serves as program manager. Under TCRP, the transit industry develops innovative near-term solutions to operating problems and adapts appropriate new technologies and approaches to help meet the demands placed on the nation's public transit systems. The program's research covers topics relating to all aspects of public transportation, including planning, service configuration, equipment, facilities, operations, human resources, maintenance, policy, and administrative practices. Each year, the TOPS Committee selects a program of research from the large number of candidate research problem statements submitted by organizations and individuals in the transit community.

### **Airport Cooperative Research Program**

The ACRP was authorized in federal aviation legislation and funding is made available through the annual federal appropriations process. ACRP, which began in 2006, is an industry driven applied research program that develops near-term, practical solutions to problems faced by airport operators. The program is sponsored by the Federal Aviation Administration (FAA). Research topics are selected by an independent governing board appointed by the U.S. Secretary of Transportation that includes individuals from airports, universities, FAA, and the aviation industry.

## **PURPOSES AND DUTIES OF THE TRB EXECUTIVE COMMITTEE**

The TRB Executive Committee is the senior policy body of TRB, composed of approximately 25 members appointed by the Chairman of the National Research Council (NRC). These members are selected so as to provide balanced representation of transportation modes, academic disciplines, private and public sectors, levels of government, geographical regions, and other relevant factors. Members are appointed for a term of three years and may be reappointed for one term. In addition, approximately 20 *ex officio* members serve on the Executive Committee; these members have no vote but otherwise participate fully in Executive Committee activity. *Ex officio* members include the representatives of the Board's various sponsoring organizations.

The Executive Committee meets twice a year, once at TRB's Annual Meeting in Washington each January and once in June. The Chair of TRB's Executive Committee, appointed by the Chairman of the NRC, serves a one-year term, and presides over the Committee discussions, which are directed toward obtaining consensus on issues wherever possible. When formal rules of debate are required, Roberts' Rules of Order are employed.

The Executive Committee performs a number of functions in serving four different constituencies — the National Research Council (NRC), TRB, TRB's sponsors, and itself.

### **Executive Committee Responsibilities to the NRC**

The TRB Executive Committee is officially an advisory group to the Chairman and the Governing Board of the NRC, who look to the Executive Committee to provide oversight of TRB's activities. Such oversight is intended to ensure that TRB's activities are appropriate for the NRC and constructive to the transportation system and the nation. Reports (both written and oral) regarding ongoing and proposed TRB projects are brought to the Executive Committee at each meeting and are approved, rejected, or accepted after modification. The Board is also expected to note new opportunities for TRB to provide its services or projects and, where appropriate, to find ways to bring such projects into being.

The TRB Division Committee is charged to ensure that NRC procedures and policies are faithfully employed with respect to study and project committee appointments and report review. The membership of the TRB Division Committee is drawn from the membership of the TRB Executive Committee. The Division Committee is chaired by the TRB Division Chair, who must be a member of the National Academy of Sciences or the National Academy of Engineering and a member of the TRB Executive Committee. The TRB Division Chair serves as an *ex officio* member of the NRC Governing Board.

The Executive Committee has a Subcommittee on Planning and Policy Review (SPPR), which reviews and approves proposed projects and studies, develops lists of Critical Issues in Transportation, plans and develops opportunities for new Executive Committee initiatives, and generally handles those substantive transportation issues that require action during the interval between the twice-yearly meetings of the Executive Committee. The SPPR generally meets in April and October in Washington, DC.

The Executive Committee has a Subcommittee on International Activities, which provides oversight of TRB's international activities, including review of Memoranda of Understanding and Letters of Intent with international organizations, and monitoring progress in implementation of the Executive Committee's Strategic Plan for International Activities.

The Executive Committee has also established a Special Committee on Diversity, Equity, and Inclusion, which provides oversight of implementation of the Executive Committee's Diversity, Equity, and Inclusion Strategic Plan.

### **TRB's Expectations of the Executive Committee**

Most TRB projects and activities are conducted by expert volunteers who agree to serve on TRB technical standing committees, study committees, panels, task forces, and other similar groups. At any one time, about 500 such groups are in existence, composed of more than 7,000 professionals serving without compensation. The Executive Committee, either directly or through the TRB Division Committee or the CAAS, provides oversight on the formation, termination, and membership of committees and on the review of projects undertaken and reports produced. The Executive Committee can also influence committee and other TRB activities by developing and monitoring strategic plans, preparing the critical transportation issues, and undertaking special activities of its own. From time to time, Executive Committee members are also called on to perform special duties, such as assisting with report review or fundraising for special projects.

The Executive Committee also serves as a symbol of the prestige attached to serving on TRB committees. Executive Committee members are selected in part because they occupy some of the most prestigious and influential positions in the industry. Their participation on the Executive Committee demonstrates support for research and cross-modal dialogue at the highest levels, and thereby provides motivation for the uncompensated service of otherwise highly paid experts on whom TRB depends for its products and services.

### **Sponsors' Expectations**

At the core of TRB, and perhaps its most visible feature, is a collection of Technical Activities, which include more than 175 TRB standing committees, the TRB Annual Meeting, publications programs, field visits to organizations conducting transportation research, and information services. About \$17 million—approximately one-fifth of TRB's total budget—is spent annually on these activities, supported by funding from individual states, federal agencies, private transportation organizations, local governments, individual affiliates, publication sales, and conference registration fees. These funds are pooled and spent in accordance with budgets approved by the Executive Committee. TRB's sponsors look to the Executive Committee to ensure that these funds are spent in ways appropriate to TRB's mission and in ways that encourage research and its dissemination.

### **Executive Committee's Own Expectations**

Although the responsibilities summarized above indicate that the Executive Committee has more than enough duties for a group that only assembles twice a year, members often comment that their greatest personal satisfaction in serving comes from participating in discussions of substantive transportation issues and that they would like to devote more time at meetings to such discussion. The caliber and diversity of talent represented on the Executive Committee make serving on it a unique experience for most members, providing an unusual opportunity to share different perspectives in far-reaching

discussions of major transportation issues. Thus, an effort is made to conduct the Executive Committee's official business expeditiously at meetings, in order to leave time for these other important activities of the Board. Executive Committee policy sessions and other discussions of substantive issues have led to the initiation of important TRB projects and other activities.

Last updated June 17, 2024

## TRB STANDING OVERSIGHT COMMITTEES

### TRB Division Committee

#### Composition

The Division Committee's membership, drawn from the TRB Executive Committee, consists of a chair who is an *ex officio* member of the Governing Board, a member of one of the Academies, the chair of the TRB Executive Committee, and a representative from a state department of transportation. The chair of the TRB Executive Committee serves a one-year term as a full member, while the other full members serve three-year terms. The Division Committee also includes the TRB Executive Committee's vice chair and immediate past chair as *ex officio* non-voting members who serve one-year terms.

In April 2024, the Div-Comm formally merged with the Subcommittee on Planning and Policy Review (SPPR) to reduce duplication between the two committees as most members of the Div-Comm were also SPPR members. Moving forward, the role of SPPR chair will now be vice chair and the membership will increase by 2-3 members.

#### Function

To ensure that TRB meets NRC standards for objectivity and that its activities are appropriate for the NRC; to monitor TRB with respect to specially funded project committee and panel appointments, report review, and the summary of Division programs presented to the NRC Governing Board. The Division Committee Chair serves as the TRB Division Chair for NRC Oversight and as an *ex officio* member of the NRC Governing Board.

#### Appointment Procedure

Appointed by NRC Chair upon recommendation of Executive Director in consultation with NRC and Chair of TRB Executive Committee, subject to approval of the NRC Governing Board. Appointment letters signed by NRC Chair. Selection of members complies with TRB *Terms of Reference*.

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### Technical Activities Council (TAC)

#### Composition

The Technical Activities Council consists of the overall Chair, the Chairs of each of the eleven Groups, and one or more at-large members. All serve 3-year terms. Members who are in the second year of their 3-year term serve as the Council's representatives to the TRB Executive Committee, along with the Technical Activities Council Chair.

#### Function

**Program Function:** Provides a forum for interchange and interaction among the Groups, between the Groups and the TRB Executive Committee, and between the Groups and TRB staff. Assists in identifying emerging topics of interest to the transportation community and cross-cutting issues. Facilitates interaction among

Groups, Sections, and committees to address cross-cutting issues and opportunities. Fosters outreach efforts to other transportation organizations and groups.

***Administrative Function:*** Plays a significant role in refining and implementing processes and techniques for improving the quality of meetings and publications emanating from Technical Activities Division volunteer activities. Serves as a focal point for the continuing review in each of the Group Executive Boards of the need for establishing new committees and for discharging those that are no longer necessary.

#### **Appointment Procedure**

Appointed by the TRB Executive Director with approval by Division Committee Chair. Bias/conflict of interest statements are required.

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## **MARINE BOARD**

#### **Composition**

15-20 members. The Chair and the other members serve 3-year terms.

#### **Function**

To identify research and policy study needs and provide a forum for the exchange of information relating to new technologies, laws and regulations, economics, the environment, and other issues affecting the marine transportation system, port operations, coastal engineering, and marine governance. Also, to oversee standing technical committees in related areas.

#### **Appointment Procedure**

Appointed by NRC Chair following recommendation of TRB Executive Director in consultation with NRC and members of Marine Board. Appointment letters are signed by the TRB Executive Director. Bias/conflict of interest statements are required.

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## **COOPERATIVE RESEARCH PROGRAM OVERSIGHT COMMITTEES**

#### **Composition**

Varies according to program and origin. Some oversight bodies (NCHRP, TCRP, and ACRP) are entities that are appointed and exist outside the NRC/TRB. Others may be internally appointed.

#### **Function**

To select research problems and program the funding for them, on behalf of the constituent user groups associated with the program.

**Appointment Procedure**

Varies according to program and origin. Internally appointed committees are appointed by TRB Executive Director following approval by SNO Chair and, as appropriate, by NRC Chair. Appointment letters are signed by the TRB Executive Director. Bias/conflict of interest statements are required.

## TRB PROJECT APPROVAL PROCESSES

### **Policy Studies and Program Reviews**

#### Description

Projects conducted by NRC-appointed committees that provide consensus findings, recommendations, advice

#### Approval Steps

Approval by TRB Executive Committee or Subcommittee on Planning and Policy Review; approval by Executive Committee of NRC Governing Board

#### Product

Full-length study reports, interim reports, letter reports

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### **Conferences and Workshops**

#### **I. Organized by TRB Standing Technical Committees**

##### Description

Outgrowth of standing committee activity; no significant outside funding; often self-supporting; no consensus findings, recommendations, or advice

##### Approval Steps

Approval by TRB Executive Committee or Subcommittee on Planning and Policy Review

##### Product

Transportation Research Circular

#### **II. Organized by Other Organizations and Cosponsored by TRB**

##### Description

Conference formats vary, but TRB must have a role in conference planning

##### Approval Steps

Approval by TRB Executive Committee or Subcommittee on Planning and Policy Review

##### Product

No TRB publication

#### **III. Organized by Specially Appointed (“Ad Hoc”) TRB/NRC Committee**

##### Description

Supported by outside funding; may or may not lead to consensus findings, recommendations, or advice (most are not authorized to do so)

Approval Steps

Approval by TRB Executive Committee or Subcommittee on Planning and Policy Review; approval by Executive Committee of NRC Governing Board

Product

Conference or workshop report, summary, or proceedings (in the TRB Conference Proceedings series)

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**Cooperative Research Program Projects**Description

Supported by NCHRP, TCRP, ACRP, NCFRP, or HMCRP funding; projects selected by NRC/TRB-appointed oversight committees or by non-NRC/TRB entities representing the user communities; research conducted by contractors selected by individual project panels, which oversee the work and review final report

Approval Steps

Approval by the TRB Division Committee Chair of research problems selected by the non-NRC/TRB entities (SCOR, TOPS, and AOC Committees)

Product

CRP Reports, Research Results Digests

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**Synthesis Projects**Description

Supported by NCHRP, TCRP, ACRP, or FMCSA funding; projects selected by oversight panels representing the user communities; research conducted by contractors under the guidance of individual topic panels. Umbrella panels review final documents.

Approval Steps

Approval by the TRB Executive Director of research topics selected by oversight panels.

Product

Synthesis report

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**TRB POLICY ON EXECUTIVE COMMITTEE PARTICIPATION IN  
COOPERATIVE RESEARCH PROGRAM (CRP) PROJECTS**  
**Revised 1/8/2021**

In the administration of its contract research programs, TRB wishes to maximize both the substance and the appearance of fairness in the selection and management of its contractors, at the same time ensuring the quality and expanding the number of potential researchers as much as possible.

It is in TRB's interest to use the expertise of the best qualified individuals and organizations available to perform its research programs, where no actual or apparent conflicts of interest exist. However, conflicts may arise or appear to exist if members of TRB's Executive Committee or organizations with which they are affiliated submit proposals on projects.

To prevent such problems in the administration of the Cooperative Research Programs (CRP) administered by TRB, members of the Executive Committee are not permitted to serve as principal investigators on any CRP projects. Additionally, the following rules will apply to all members of the Executive Committee:

1. No involvement is permitted in the selection process for CRP contractors, where the individual Executive Committee member or an affiliated organization is being considered.
2. No involvement is permitted in TRB's administration of a contract in which the individual or an affiliated organization is involved.
3. No involvement is permitted in setting or modifying administrative policies that would directly or materially affect either the administration of existing contracts with the individual or affiliate organization, or the individual's or affiliate organization's ability to submit proposals.

The Chair of the TRB Executive Committee, serving a one-year term; the Chair of the TRB Division Committee, serving a three-year term; and the Vice Chair of the Division Committee, serving a three-year term, have close ties to the Executive Director and to the activities of TRB. Neither of the Chairs nor the Vice Chair has any role in the selection of contractors for CRP projects. Nevertheless, because of these special relationships, the following additional rules also will apply to their activities on CRP projects during their terms as Executive Committee Chair, Division Committee Chair, and Division Committee Vice Chair:

4. Individuals serving in these positions may not personally propose on any CRP project during their years of service as Executive Committee Chair, Division Committee Chair, and Division Committee Vice Chair. This limitation on their right to propose on a CRP project as an individual does not extend to a governmental or academic entity with which they are affiliated provided that the individuals in question do not hold a significant financial interest (other than their salaries) in the governmental entity or academic institution of higher learning. Affiliated organizations in which an Executive Committee Chair, Division Committee Chair, or Division Committee Vice Chair holds a significant financial interest, other than a salary derived from a position in a governmental entity or an academic institution of higher learning, may also propose, but only in accordance with case-specific guidelines established by the Division Committee in advance of that individual's appointment as Executive Committee Chair, Division Committee Chair, or Division Committee Vice Chair to ensure that there is neither actual nor perceived conflict of interest.
5. They may not be personally consulted or participate in any way in the preparation of a proposal, or otherwise provide information that would be advantageous to a proposal team.
6. They may not work on a project as a member of the research team or as a consultant to the team.

Where a newly appointed Chair of the Executive Committee, Chair of the Division Committee, Vice Chair of the Division Committee, or other member of the Executive Committee has existing activities or commitments covered in the foregoing list of rules on a CRP project at the time of appointment, those activities will be reviewed and recommendations made on a case-by-case basis by the members of the Division Committee (exclusive of a newly appointed chair, vice chair, or member if his/her activities are being considered).

June 17, 2024