

NATIONAL
ACADEMIES

Sciences
Engineering
Medicine

TRB TRANSPORTATION RESEARCH BOARD

Transportation Research Board

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Executive Director

July 25, 2023



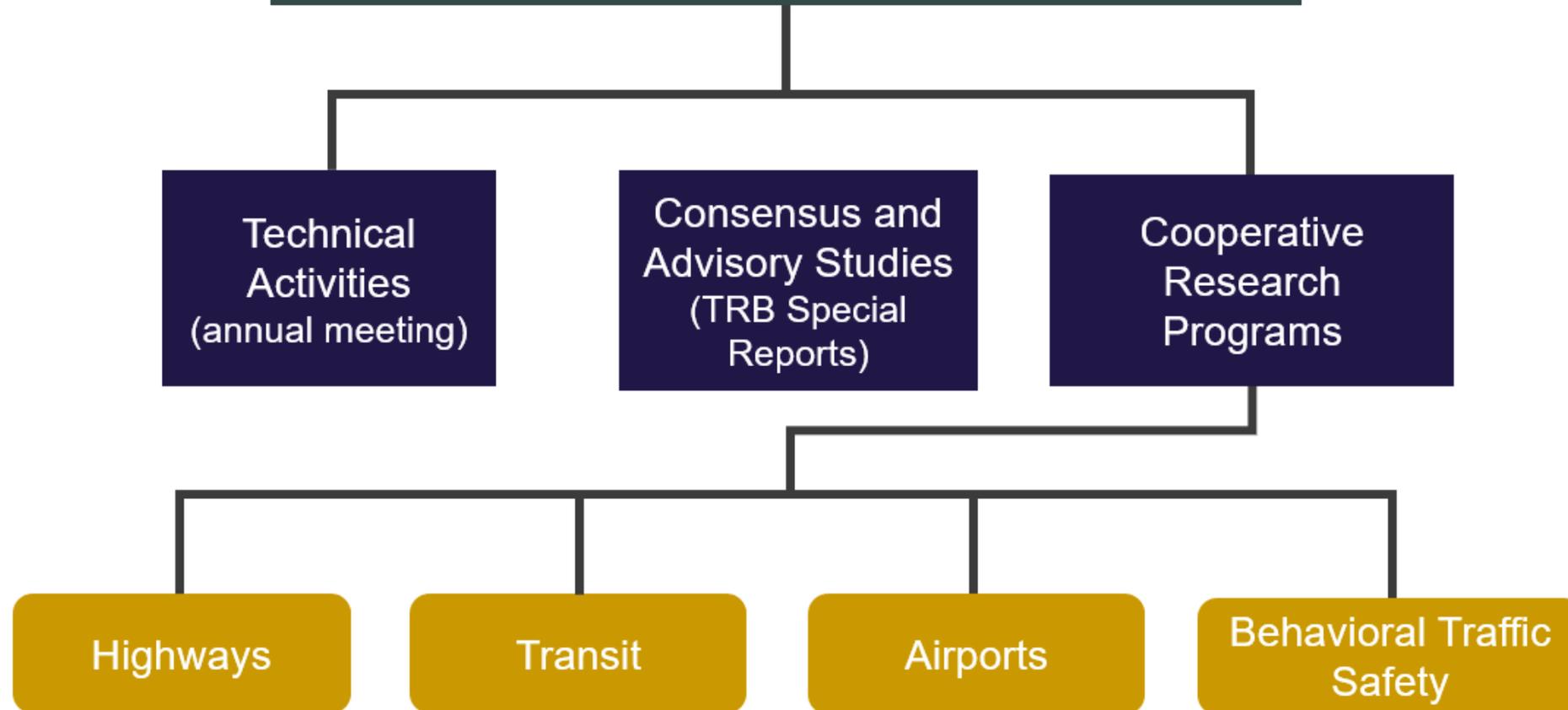
TRB Vision

- A nation and a world that rely on scientific evidence and expertise about transportation to ensure a system that benefits individuals, society, and the environment.

TRB Mission Statement

- TRB mobilizes expertise, experience, and knowledge to anticipate and solve complex transportation-related challenges.

Transportation Research Board

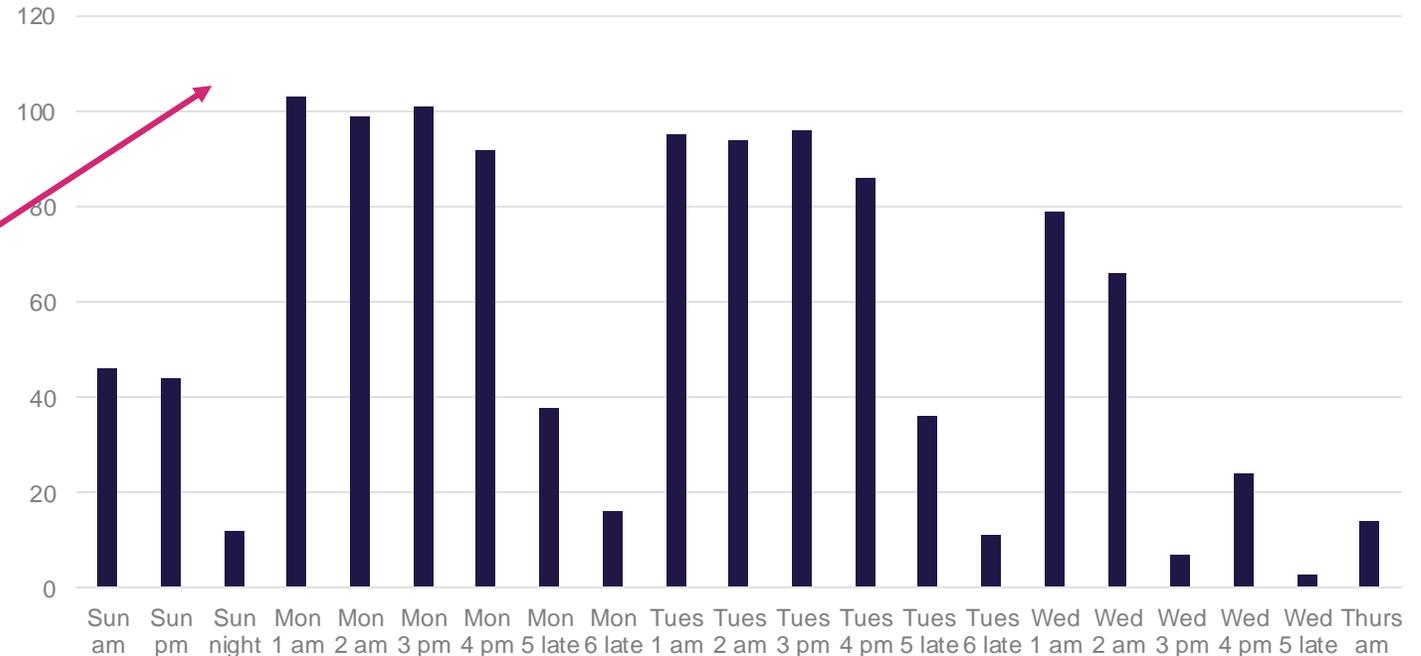


Annual Meeting 2023



Annual Meeting

- Registration exceeded 14,000 attendees
- 212 exhibitors, 50 patrons
- 27 career fair employers
- 618 sessions
- 423 meetings
- More than 100 events at peak times!

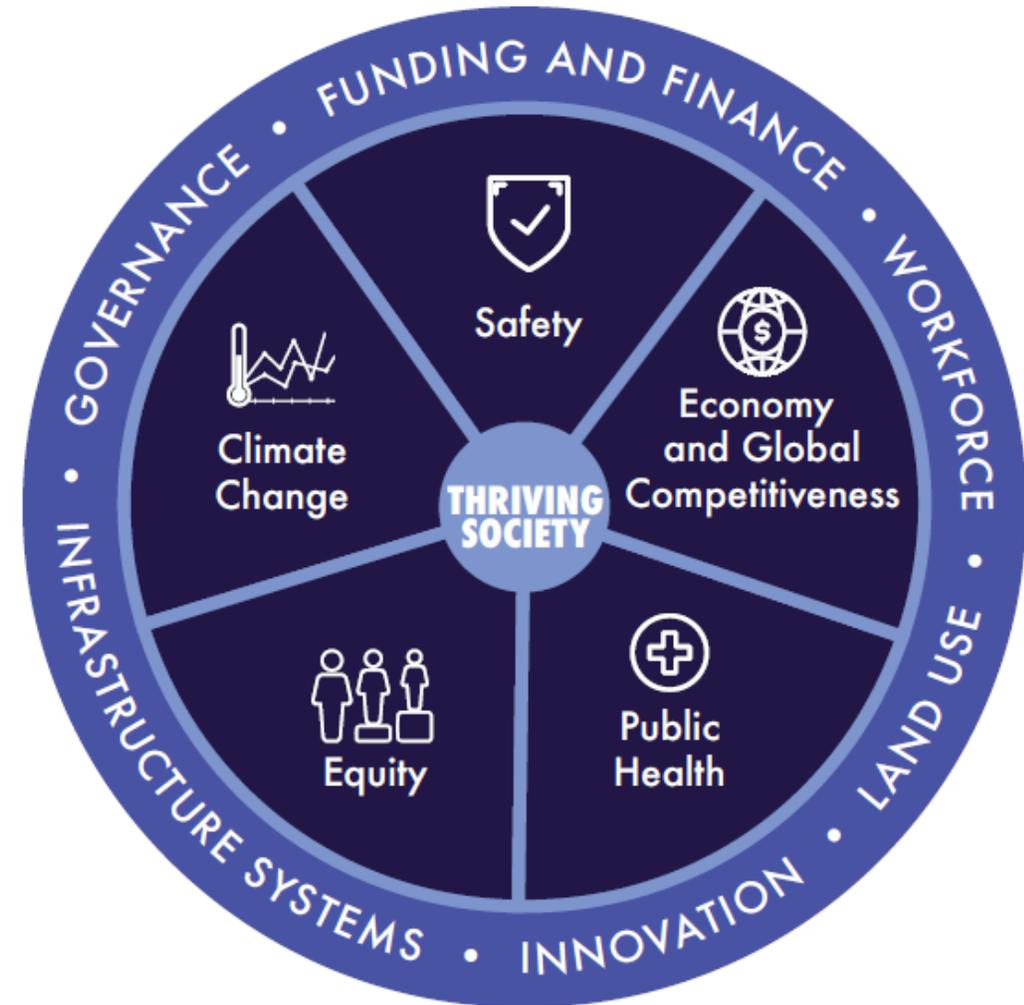


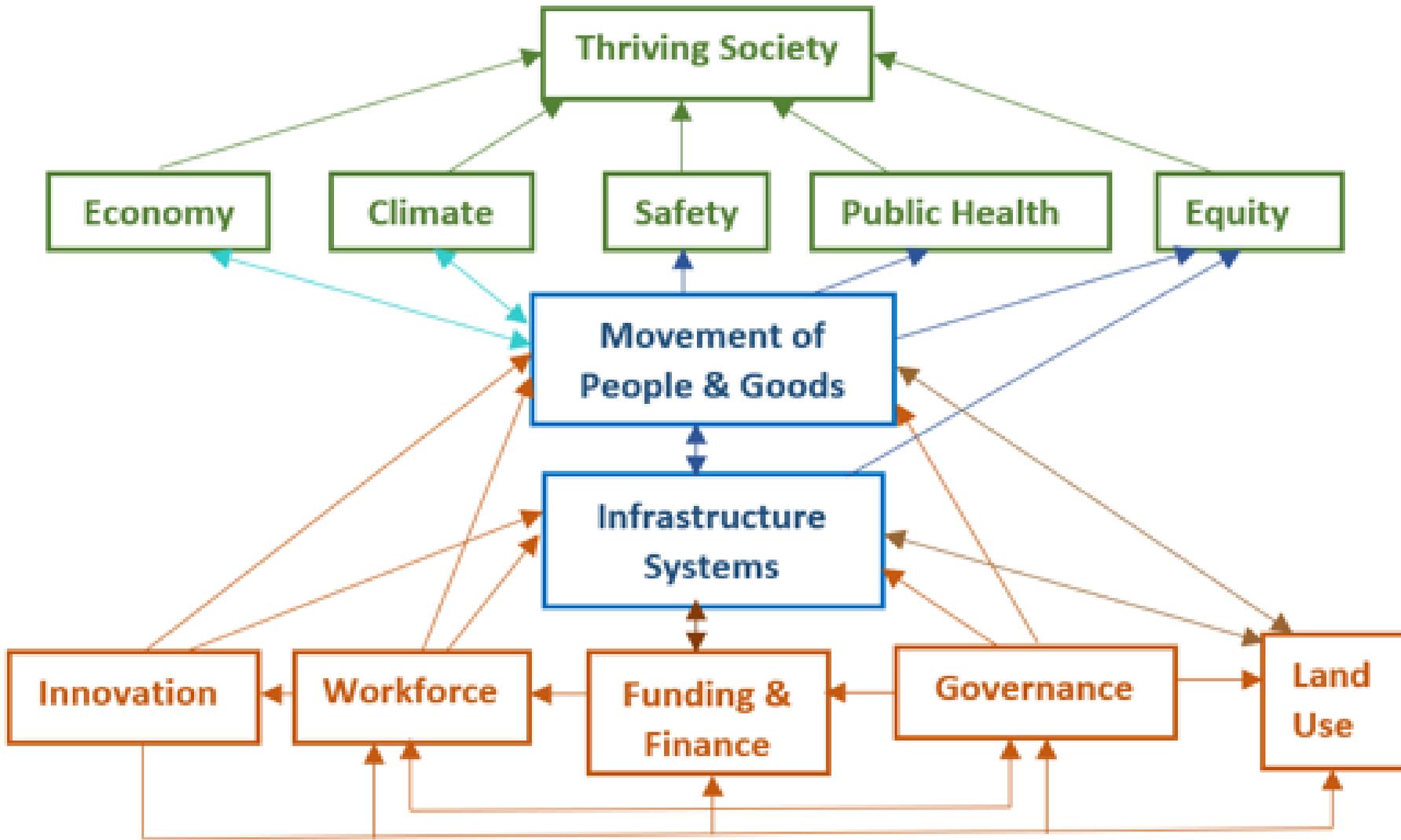
TRB is more than 5 days in January, examples:

- 11 conferences planned for 2023 and monthly webinars
- Plus dozens of committee and subcommittee meetings, mostly virtual or hybrid
- Free online access to:
 - Hundreds of reports
 - Bibliographic database of 1.3 million completed research project reports and papers
 - Database of Research in Progress
 - Research Need Statements database
- Snap Searches that provide in one document links to TRB work in specific areas

Critical Issues

The overall purpose of our transportation system is to help **develop and support a thriving society.**





Key: **Social Goals**, **Transportation**, **Foundational Factors**

DOT Strategic Goals (FY 2022-2026)



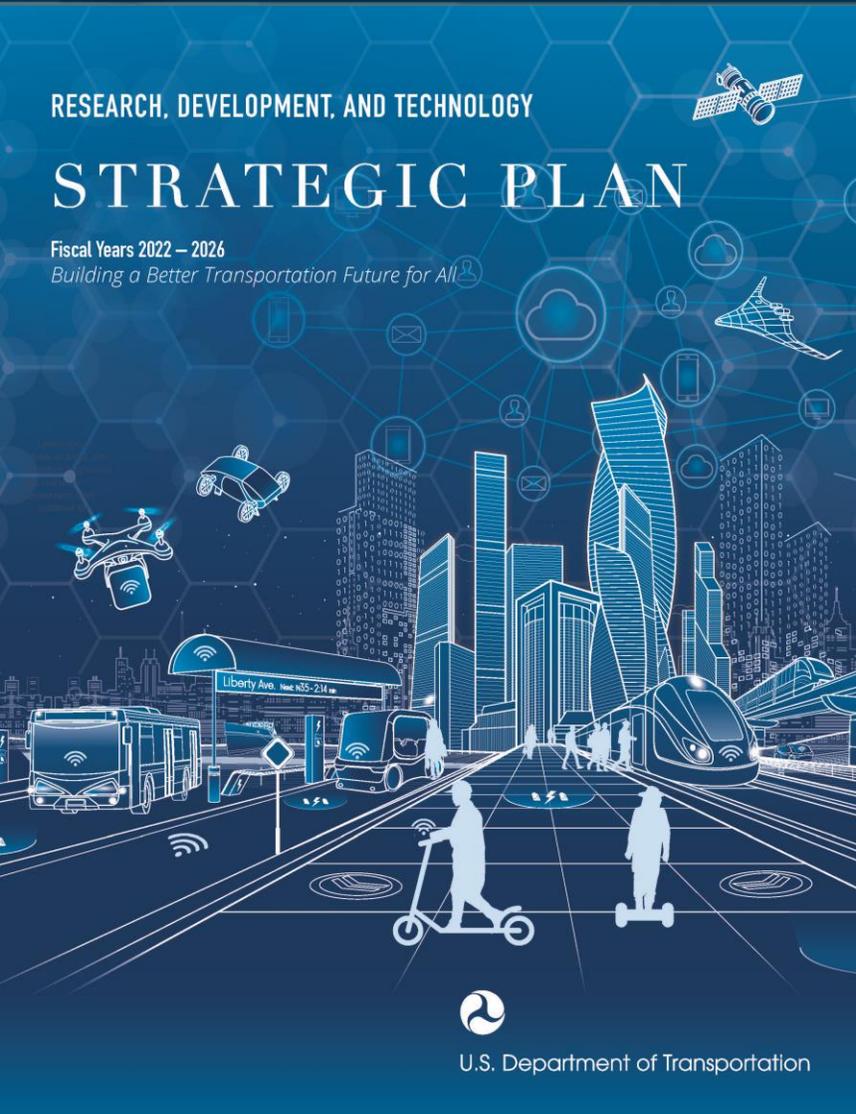
49 U.S.C Chapter 65 (Research Planning) Transportation Research Primary Purposes

- Promoting safety
- Improving mobility of people and goods
- Reducing congestion
- Improving the durability and extending the life of transportation infrastructure
- Preserving the existing transportation system
- Preserving the environment
- **Reducing transportation cybersecurity risks***

** Added in the Bipartisan Infrastructure Law (BIL)*

** Organizational Excellence not included in the RD&T Plan*

U.S. DOT RD&T Strategic Plan



Overview

- ✓ A new U.S. DOT Research, Development and Technology Strategic Plan for Fiscal Years 2022-2026.
- ✓ Published in December 2022.

Purpose

- ✓ Defines DOT research priorities for the next 5 years.
- ✓ Describes the activities needed to achieve strategic goals.
- ✓ National research vision for the future transportation system.

STRATEGIC GOALS	GRAND CHALLENGES
Safety	Zero Fatalities
Economic Strength and Global Competitiveness	Resilient Supply Chains
Equity	Equitable Mobility for All
Climate and Sustainability	Net-Zero Emissions
Transformation	Future Transportation System-of-Systems

NCHRP 2022 Accomplishments

- Over 60 years of research supporting state DOTs
- 41 Research Reports, 21 Syntheses of Highway Practice
- 4 Legal Research Digests and 30 web-only products

“Moonshot” - NCHRP20-24(138)

- AASHTO Board of Directors adoption of “Development of a National Vision for the Future of Transportation and Individual and Collective Actions for State Departments of Transportation to Make Progress toward the



VISION

COMMUNITY-CENTERED TRANSPORTATION

A transportation system focused on connecting communities, moving people and goods, and meeting customer needs at all scales, from local to global – delivered as a partnership between state departments of transportation and other public, private, and civic sector partners.

ASPIRATIONAL GOAL

OUTCOME

SAFE & SECURE

No fatalities or serious injuries to people using all modes of the transportation system; the transportation system has limited vulnerability to criminal activity, terrorism, and cyberattack and is not a conduit for human trafficking, smuggling, or spread of disease

ACCESSIBLE & AFFORDABLE

Affordable and convenient transportation options to access jobs, health care, education, food, recreation, and other services for all people and families, regardless of geographic location, age, ability, or socioeconomic status

SEAMLESS & RELIABLE

Convenient, human-centered choices available on demand to move both people and goods from origin to destination, with minimal delay and quick transfers between modes and systems

HEALTHY & THRIVING

Transportation investments that help grow prosperity and improve the health of all Americans

CLEAN & SUSTAINABLE

Zero net emissions of greenhouse gases and air quality pollutants, and enhancement of the natural environment

AGILE & RESILIENT

Communities protected against and able to adapt to and recover from extreme weather and climate trends, service disruptions, and other risks; transportation agencies able to adapt to risks, disruptions, and uncertainties

- **Recommend if you are not currently engaging with TRB Committees -**
 - Go to www.MyTRB.org,
 - Identify TRB committee(s) related to your area of interest and sign up to become a Friend of the TRB committee(s).

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