



TRB Orientation



This presentation will cover

- TRB and the National Academies
- TRB's purpose and mission
- TRB's funding sources
- TRB's structure
- The other TRB Divisions
- Technical Activities Division's mission
- Technical Activities Division's staff
- Group, Section and Committee Structure
- Typical Committee Activities

1863: Founding of the National Academy of Sciences



The National Academies

1863

**National
Academy of
Sciences**



1964

**National
Academy of
Engineering**



1970

**Institute of
Medicine**





The National Academies

- Private non-profit organization
- Chartered by Congress to advise government
- Independent, arms-length relationship to sponsors
- Governed by members of NAS, NAE, IOM
- Administered by National Research Council
- TRB one of six major divisions

1920 – Advisory Board on Highway Research Established



1974 – Highway Research Board Becomes Transportation Research Board



TRB Today

- Managing Research
- Delivering Policy Analysis & Advice
- Providing Tools for Researchers & Practitioners
- Bringing the Transportation Community Together





TRB Mission: *Provide Leadership in Transportation Innovation and Progress through Research and Information Exchange*

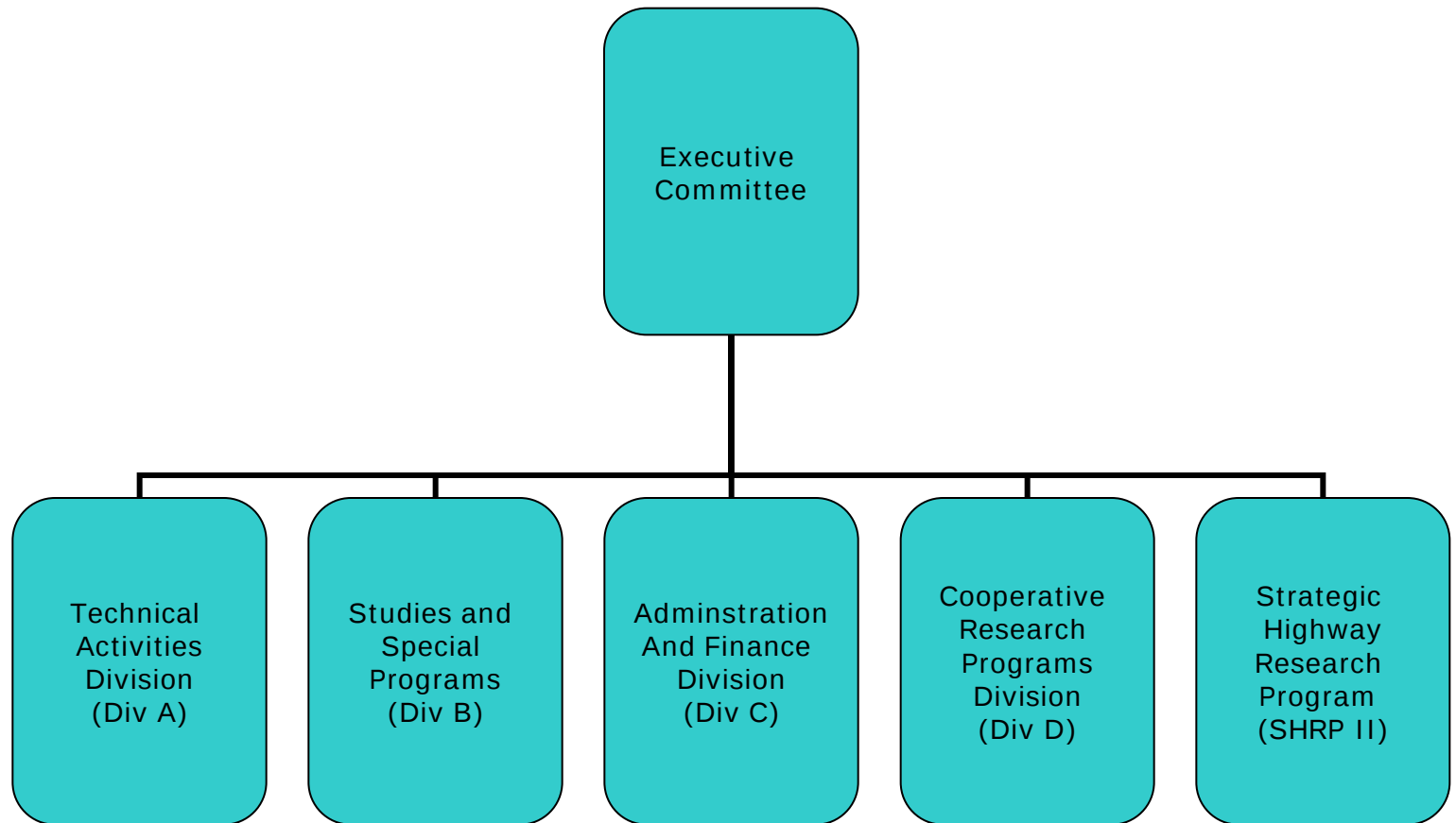
The mission of the Transportation Research Board is to provide leadership in transportation innovation and progress through research and information exchange, conducted within a setting that is objective, interdisciplinary, and multimodal.



TRB's Financial Support

Source	Annual Funding
State Departments of Transportation	60%
FHWA	10%
Other Federal Agencies	10%
Other (includes publication, conferences, etc.)	20%

TRB Structure





Studies and Special Programs Division (Division B)

- Policy Studies
- Synthesis
- Information services
- IDEA Programs
- The Long Term Pavement Performance

Cooperative Research Programs Division (Division D)

- National Cooperative Highway Research Program (NCHRP)
- Transit Cooperative Research Program (TCRP)
- Commercial Truck and Bus Safety Synthesis Program (CTBSSP)
- Airport Cooperative Research Program (ACRP)
- National Cooperative Freight Research Program (NCFRP)
- Hazardous Materials Cooperative Research Program (HMCRP)





Cooperative Research Programs Division (Division D) Background

Cooperative Program	Established	
NCHRP	1962	FHWA, AASHTO, TRB
TCRP	1992	FTA, APTA, TRB
CTBSSP	2001	FMCSA, TRB
ACRP	2004	USDOT(FAA), TRB
NCFRP	2006	PHMSA, TRB
HMCRP	2006	RITA, TRB

Cooperative Research Programs Division (Division D) Funding

Cooperative Program	\$ Millions
NCHRP	35
TCRP	9
CTBSSP	0.3
ACRP	10
NCFRP	2.6
HMCPRP	0.9



Strategic Highway Research Program (SHRP-II)

- New TRB Division
- \$51.25M/yr. (\$36M for FY'06) for 4 years
- Major issue: re-prioritize research program to match reduced funding level
- Initial RFPs posted September 11, 2006
- TRB.org/SHRP2



Strategic Highway Research Program (SHRP-II)

- **Renewal**: Accelerating the Renewal of America's Highways
- **Safety**: Making a Significant Improvement in Highway Safety
- **Reliability**: Providing a Highway System with Reliable Travel Times
- **Capacity**: Providing Highway Capacity in Support of the Nation's Economic, Environmental, and Social Goals



Technical Activities Division

The TRB Technical Activities Division provides a forum for transportation professionals to identify research needs and to share information on research and issues of interest.



How do we accomplish this mission?

The Division's staff of specialists in each mode and discipline work with a network of volunteers.

- Members and friends of over 200 standing committees,
- Lead by the Technical Activities Council,
- TRB representatives in each state, over 150 universities, and 35 transit agencies

Technical Activities Division Staff

Mark R. Norman - Director, Technical Activities
Kimberly Fisher – Associate Division Director
Thomas Palmerlee – Associate Division Director

Staff Specialties

- Joedy Cambridge - Marine and Intermodal Specialist
- Richard A. Cunard - Engineer of Traffic and Operations
- Kimberly Fisher - Transportation Planner
- Christine Gerencher - Aviation Specialist/Environmental Specialist
- Frederick D. Hejl - Engineer of Materials and Construction
- “Jay” Jayaprakash - Engineer of Soil, Geology, and Foundation
- Elaine King - Rail and Freight Specialist
- Frank Lisle - Engineer of Maintenance
- Stephen Maher - Engineer of Design
- Martine Micozzi - Transportation Admin. and Policy Specialist/International Activities Coordinator
- Richard F. Pain - Transportation Safety Coordinator
- Thomas Palmerlee - Transportation Data Specialist
- Peter L. Shaw - Public Transportation Specialist



How Technical Activities Division Committees are Unique

The committees within the Technical Activities Division are the basis for communities. Friendship and connections are formed that often last for an entire professional career. The people you meet while working with a committee are a resource to rely on as you navigate your professional career and the challenges that it brings.

Standing Committees Span Modes and Disciplines

Modes

- Highways
- Public Transportation
- Freight Systems
- Rail
- Air
- Marine
- Non-Motorized

Disciplines

- Policy and Organization
- Planning & Environment
- Design & Construction
- Operations & Maintenance
- Safety & Systems Users
- Legal Resources

Encouraging Research and Innovation in Transportation since 1920





Typical Standing Committee Activities

- Identify research needs
- Encourage needed research
- Sponsor sessions, conferences, and meetings
- Generate papers and reports
- Disseminate information



What you can do as a Committee Member

- Web master
- Research subcommittee chair
- Chair a sub-committee (research, conference planning, or a technical topic)
- Paper Review Coordinator
- Annual meeting chair
- Liaison chair
- Make a presentation or preside at a session of the annual meeting or a specialty conference



Why Get Involved in a TRB Committee

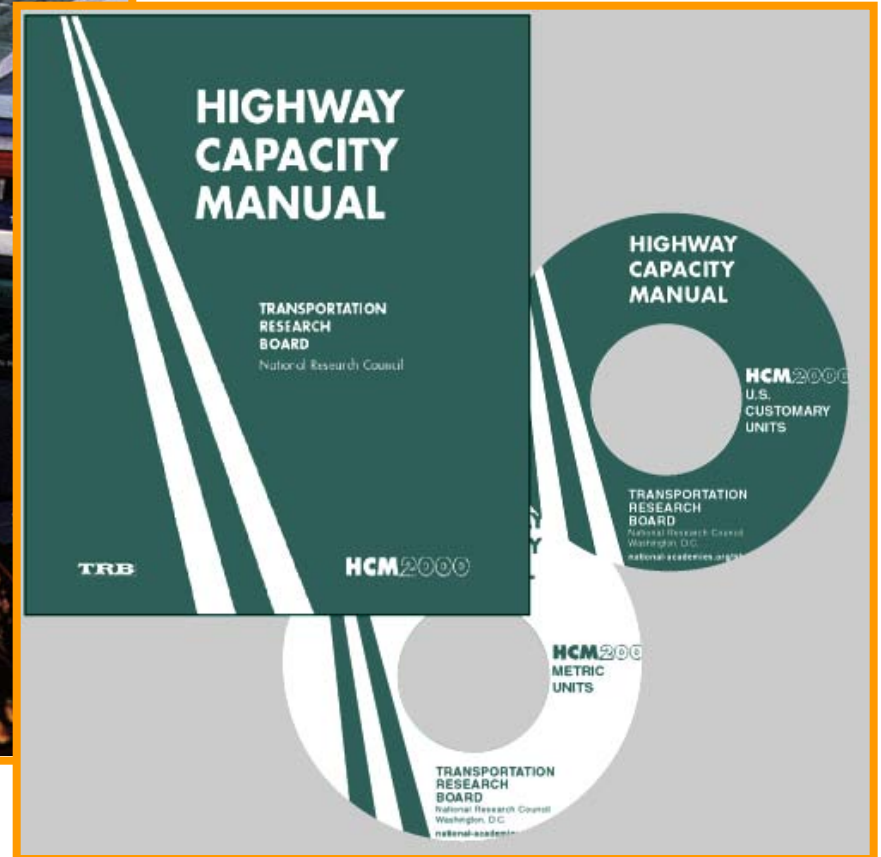
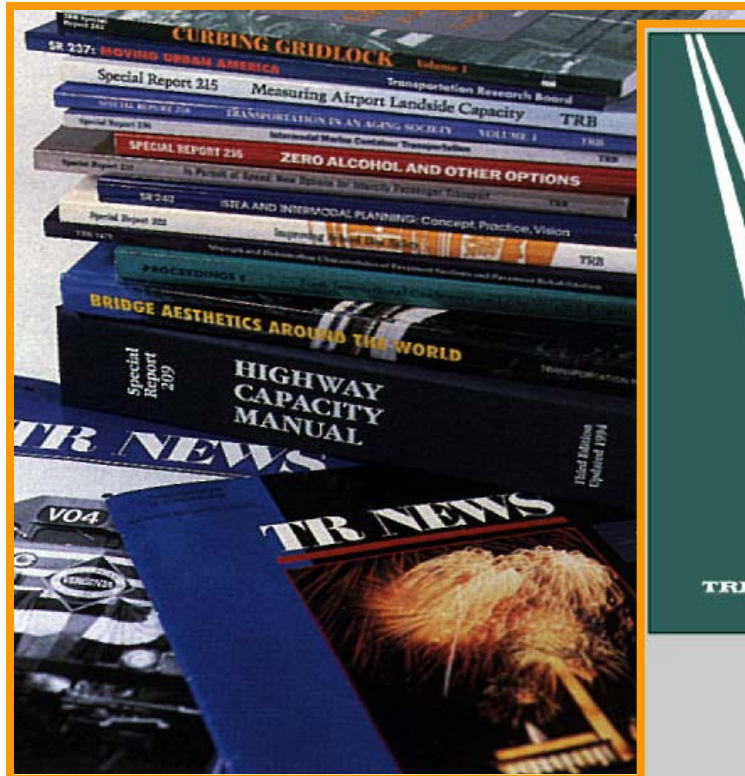
- To learn
- Keep yourself and your organization up-to-date on latest research and issues
- Get to know leaders in profession
- Leaders in profession get to know you!
- Become part of a community



Limits to Committee Activities

It is important to keep in mind that TRB standing committees and their members are **not** authorized to speak on behalf of TRB or to provide advice to government agencies or other organizations.

Publications





How to find Publications

- By type of publication
- By topic
- A search of the items that have appeared in the e-newsletters
- Full search of the webpage



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Announcements

6/19 - 2008 TRB 87th Annual Meeting and 2008 Transportation
Accepted

Recent Publications

6/21 - Elements Needed to Create High-Ridership Transit Sys

6/19 - Assessment of Wingtip Modifications to Increase the F

6/18 - Performance and Testing Requirements for Portable Tra

6/15 - Centralized versus Decentralized State Procurement of
Program

6/14 - Highway Capacity and Quality of Service 2006

6/13 - Effectiveness of Commercial Motor Vehicle Driver Traini

6/12 - 2007 TRB 86th Annual Meeting

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TRB Publications

One of the most important activities of the Transportation Research Board is the dissemination of current research results. A primary goal of the publications program is to circulate current information and research on transportation policy and practice as expeditiously and broadly as possible. The books, reports, and miscellaneous publications of the Transportation Research Board cover nine general subject categories: planning, administration, and environment; design; materials, construction, and maintenance; operations and safety; aviation; public transit; rail; freight transportation (multimodal); and marine transportation.

Search more than 1,500 TRB full-text electronic publications:

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[Elements Needed to Create High-Ridership Transit Systems](#)

6/21/2007



TRB's Transit Cooperative Research Program (TCRP) Report 111: Elements Needed to Create High-Ridership Transit Systems explores the strategies used by transit agencies to create high ridership. The report includes case studies that focus on the internal and external elements that contributed to successful ridership increases and examines how the transit agencies influenced or overcame internal and external challenges to increase ridership. The report includes a companion interactive CD-ROM that contains a database of individual transit agency ridership strategies linked to the strategies and examples presented in the report. The CD-ROM also contains a brochure that outlines the key elements identified in this report for increasing and sustaining ridership.

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[Transit: Management, Maintenance, Technology, and Planning](#)

6/8/2007



TRB's Transportation Research Record: Journal of the Transportation Research Board, No. 1986 contains 24 papers that explore management and maintenance of public transit, technological innovations in public transit, and

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TRR Journal Online

- New electronic access to the full text of the Transportation Research Records since 1996.
- Anyone is eligible to use this resource to review the abstracts of any paper in the database. Access to the full text of papers is only available to subscribers or employees of an organizational TRB sponsor.
- Web address - <http://trb.metapress.com/home/main.mpx>



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Transportation News



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Transportation Research E-Newsletter #215

Transportation Research Board
of The National Academies
12/19/2006

Summary of Contents

TRB News

- 2007 TRB 86th Annual Meeting: District of Columbia Bike Tour
- 2007 TRB 86th Annual Meeting: Register Today!
- A Guidebook for Measuring Performance of Automated People Mover Systems at Airports
- Guidebook for Approach Light System Hazard Assessment and Mitigation
- TRB Transportation Research E-Newsletter Publication Schedule

Recently Released TRB Publications

- Fixed-Route Transit Ridership Forecasting and Service Planning Methods
- Independent Review of the Mechanistic Empirical Pavement Design Guide and Software
- National, State, and Freight Data Issues and Asset Management
- Strategic Guidance for the National Science Foundation's Support of the Atmospheric Sciences
- TR News November-December 2006
- Financing Highways and Transit

Federal Research News

- Developing a Methodology for Assessing Safety Programs Targeting Human Error in Aviation
- Highway Safety Improvement Program "Five Percent Report" Requirement Reports
- National Park Service Inside Transportation News: Issue 13, December 2006
- Relationship of Sector Activity and Sector Complexity to Air Traffic Controller Taskload
- Review of the Next-Generation Air Transportation System
- Review of U.S. Intercity Passenger Rail
- Signal Timing on a Shoestring
- The Center for Climate Change and Environmental Forecasting's Strategic Plan for 2006-2010
- Traffic Crashes Take Their Toll on America's Rural Roads: The Need to Establish Rural Safety Belt Programs

State Research News

- Montana DOT Solutions Newsletter: Fall 2006

International Research News

- Australian Community Attitudes to Road Safety
- Land Transport NZ Research: December 2006
- The Effect of Road Environment on Traffic Safety: A Review of the Literature

Internet



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- Future Conferences
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TRB Sponsored Conferences and Workshops

June 2007

June 24-27, 2007
[9th International Conference on Low-Volume Roads](#)
Austin, Texas

June 24-27, 2007
[3rd Urban Street Symposium](#)
Seattle, Washington

July 2007

July 6, 2007
[Transforming Transportation Organizations: Tools and Techniques for Organizational Development](#)
Chicago, Illinois

July 6-7, 2007
[Environmental Analysis in Transportation Committee Workshop](#)
Chicago, Illinois

July 7-9, 2007

E-sessions

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Transportation Research Board Technical Activities e-Sessions

The objective of this series is to bring information presented at TRB conferences and meetings to those who were not able to attend. Any comments or suggestions that would be appreciated, and should be directed to Brie Schwartz at bschwartz@nas.edu

E-Sessions contain powerpoint slides synchronized with the corresponding audio.
To view the presentation:

- 1) Click on the title of the presentation.
- 2) Click "View Presentation" on the Pop-Up.
- 3) Presentation will start automatically when it uploads. Please wait for it to completely upload. The uploading may take several minutes for the larger presentations.
- 4) Slides will advance automatically.
- 5) "Thumbnail" tab provides the capability to search slides throughout presentation.
- 6) Microsoft Windows Media Player is mandatory for e-Sessions.

86th Annual Meeting

Select from the following topic list:

- AVIATION
- CONSTRUCTION
- DATA AND INFORMATION TECHNOLOGY
- DESIGN
- EDUCATION
- ENERGY & ENVIRONMENT
- FINANCE & ECONOMICS
- TELEPORT SYSTEMS



A Year in the Life of a TRB Committee

- January (early to mid) – TRB Annual Meeting in Washington DC
- Early spring – Committee rotation completed (every 3 years)
- Mid Spring – Call For Papers for next year's Annual Meeting
- Late Spring – emeritus member nomination
- Early Summer – begin planning sessions for next year's Annual meeting