



# 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.

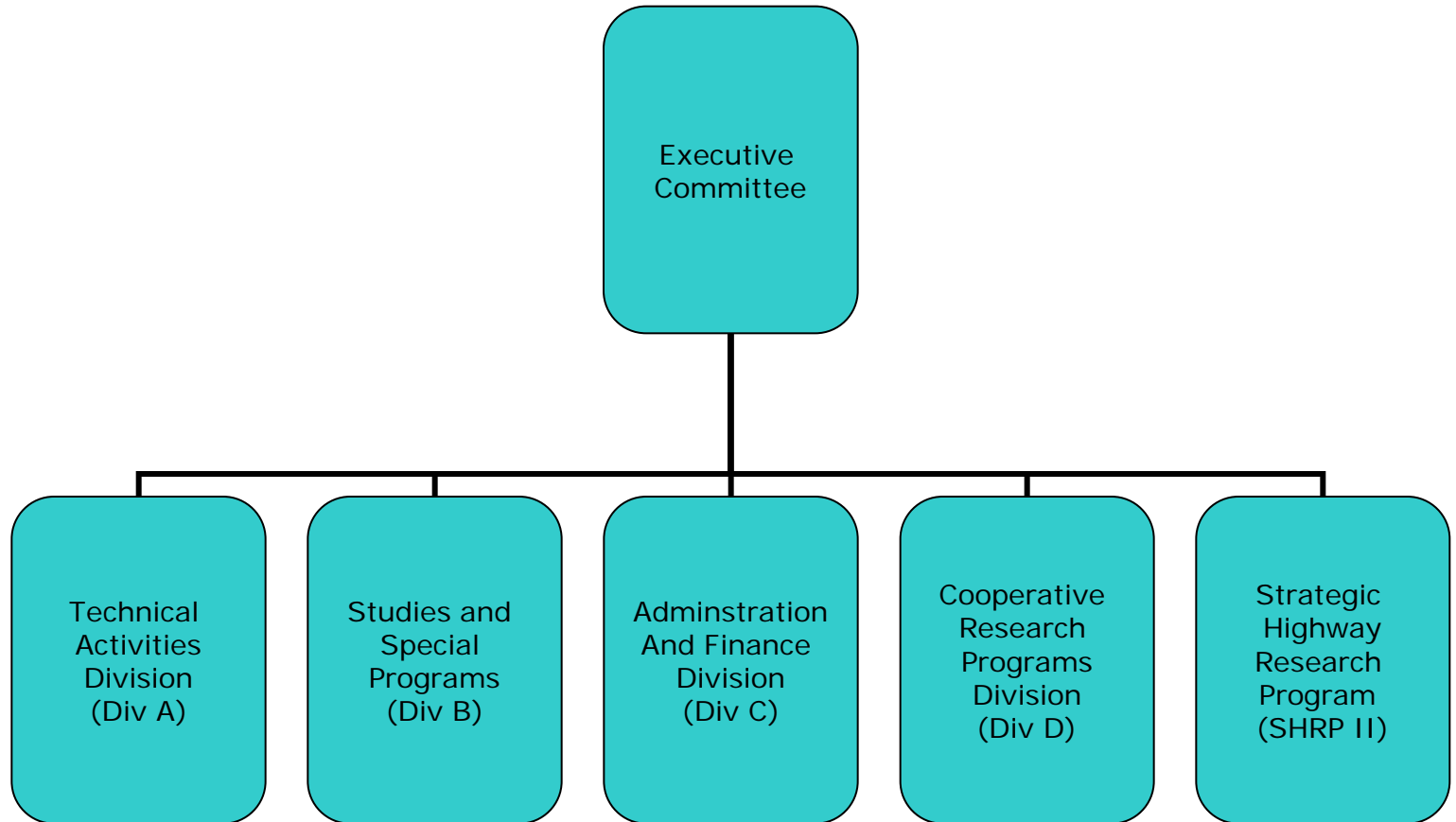
# TRB's Financial Support

---

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
HMCRRP	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
HMCPR	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](http://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

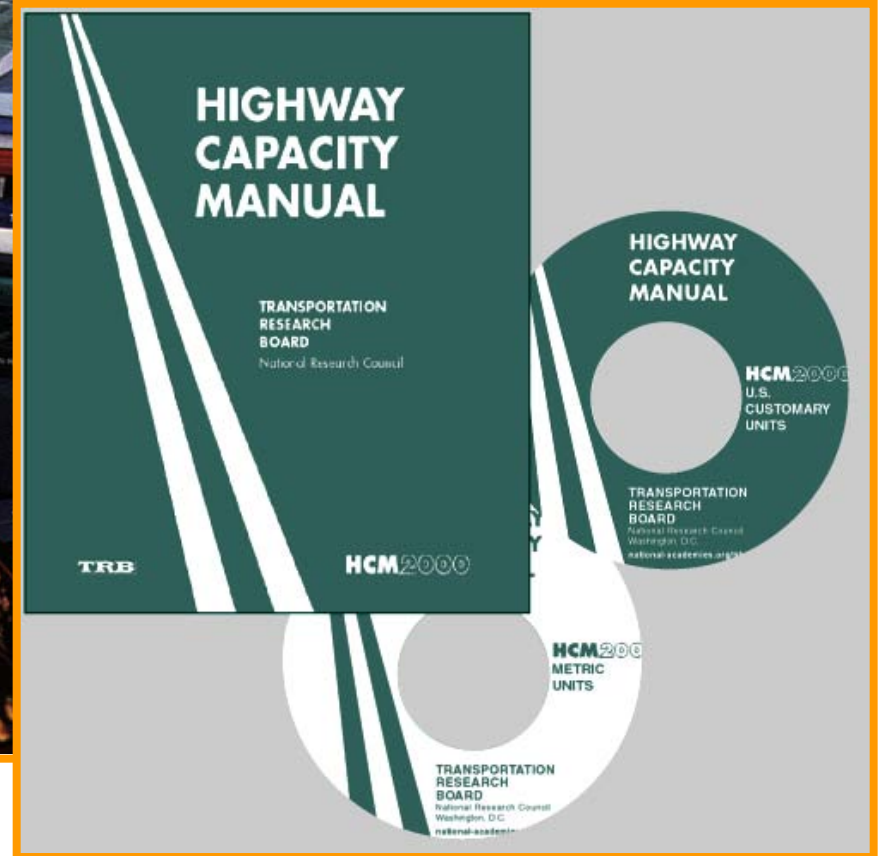
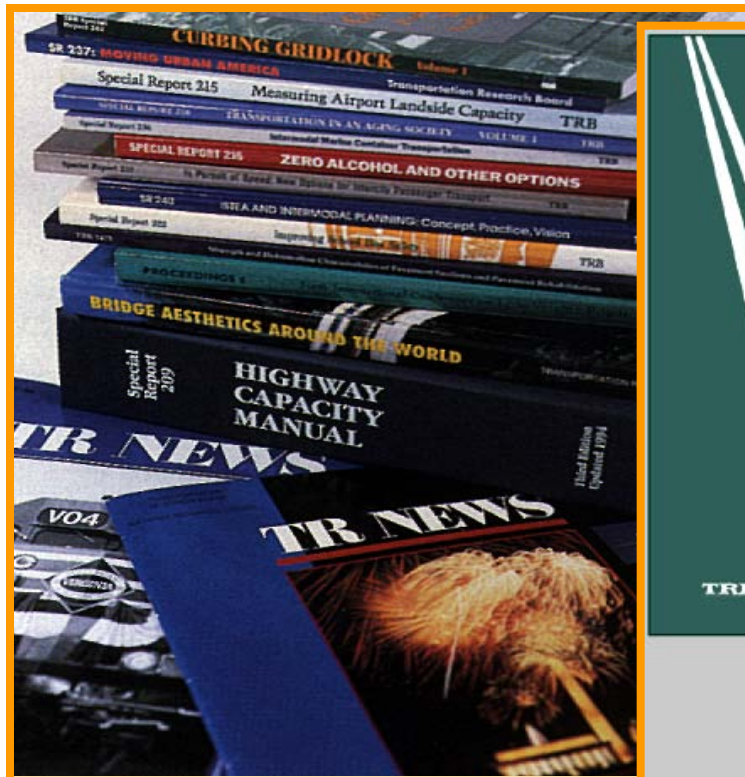


# Limits to Committee Activities

---

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



Search for:

in

TRB.org



[About](#)

[Annual Meeting](#)

[Calendar](#)

[Committees](#)

[News](#)

### Publications

[Bookstore](#)

[Publications Index](#)

[Online Documents](#)

[Subscriptions](#)

[E-Newsletter](#)

[Transportation Research Record \(TRR\)](#)

[Errata](#)

### Programs

[Advisory Projects](#)

[Policy Studies](#)

[NCHRP](#)

[TCRP](#)

[ACRP](#)

[NCFRP](#)

## Announcements

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

## Recent Publications

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

6/19 - Assessment of Wingtip Modifications to Increase the Fuel Efficiency of Aircraft

6/18 - Performance and Testing Requirements for Portable Traffic Control Devices

6/15 - Centralized versus Decentralized State Procurement of Traffic Control Devices

6/14 - Highway Capacity and Quality of Service 2006

6/13 - Effectiveness of Commercial Motor Vehicle Driver Training

6/12 - Safety of Bicycles

Transportation Research Board -- Homepage - Microsoft Internet Explorer provided by The National Academies

File Edit View Favorites Tools Help

Back Forward Stop Home Refresh

Address <http://www.trb.org/TRB/publications/Publications.asp> Go Links Google Settings SnagIt

**TRB** TRANSPORTATION RESEARCH BOARD OF THE NATIONAL ACADEMIES

Search for:  in [TRB.org](#) Go or Search [Publication Blurbs by Topic](#)

[About](#) [Annual Meeting](#) [Calendar](#) [Committees](#) [News](#) [Programs](#) [Publications](#) [Resources](#) [Contact](#)

[TRB HOME](#)  
[SEARCH TRB](#)  
[PUBLICATIONS](#)  
[FINDING A PUBLICATION](#)  
[BOOKSTORE](#)  
[TRIS](#)

[Bus Transit Systems](#)  
[Conference Reports and Conference Proceedings](#)  
[Cooperative Research Programs](#)  
[HOV System Notes](#)  
[Intercity Rail Passenger Systems Update](#)  
[LRT News](#)  
[Millennium Papers](#)  
[Newsline](#)  
[Other Publications](#)  
[Policy Study Letter Reports](#)  
[Practice-Ready Papers](#)  
[SHRP Publications](#)  
[Transportation Research Circular](#)  
[TR News](#)  
[TRB Special Reports](#)  
[Index](#)  
[Search Help](#)  
[Out-of-Print](#)

## 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:

### General

- [TRB Publications Catalog](#)
- [2006 TRB Annual Report](#)
- [TRB E-Newsletter](#)
- [Informing Transportation Policy Choices](#)
- [Publications Errata](#)
- [TRB Mission, Services, and Organization Brochure](#)

### Browse by Sponsoring Division or Program

- [Division A: Technical Activities](#)
- [Division B: Policy Studies](#)
- [Division D: Cooperative Research Programs](#)
- [Division E: Special Programs](#)

### National Cooperative Highway Research Program (NCHRP)

- [NCHRP Project Reports](#)
- [NCHRP Web-Only Documents](#)
- [NCHRP Synthesis Reports](#)
- [NCHRP Research Results Digest](#)

### TRB Information Databases

- [Transportation Research Information Services \(TRIS\)](#)
- [PATH Database](#)
- [Research in Progress \(RIP\)](#)
- [Publications Index](#)

### Browse by Series

- [Bus Transit Systems Newsletter](#)
- [Circulars](#)
- [Committee Research Problem Statements](#)
- [Conference Proceedings](#)
- [Conference Proceedings on the Web](#)
- [Conference Reports](#)
- [E-Circulars](#)
- [F-SHRP Reports and Documents](#)
- [HOV System Notes](#)
- [IDEA Publications](#)
- [Ignition Magazine](#)
- [Intercity Rail Passenger Systems Update](#)

# Searching By Topic

## TRB E-Newsletter Search Results

[Modify This Search](#)

Subject Area(s): **Administration and Management**  
Blurb Type(s): **Recently Released TRB Publications**  
Posted Date Within Last **180 Days**  
Sort By: **Date Posted** | [Title](#)

Records found: 25

### [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.

[\[More\]](#)

### [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

# Full Search

The screenshot shows a Google search interface. At the top, there are navigation links for Web, Images, Video, News, Maps, Gmail, and more. The user's email address, keyofisher@gmail.com, and a Web History link are visible in the top right. The Google logo is on the left, and the search bar contains the word "planning". To the right of the search bar is a "Search" button and links for "Advanced Search" and "Preferences". Below the search bar, there are radio buttons for "Search the Web" and "Search trb.org", with the latter selected. A blue banner below the search bar indicates "Web" and "Results 1 - 10 of about 57,400 from trb.org for".

The search results are listed below the banner:

- Statewide Transportation Planning: Making Connections**  
TRB's Transportation Research Circular E-C099, Statewide Transportation **Planning**: Making Connections includes the presentations, resource papers, ...  
[www.trb.org/news/blurbs\\_detail.asp?id=6394](http://www.trb.org/news/blurbs_detail.asp?id=6394) - 16k - [Cached](#) - [Similar pages](#) - [Note this](#)
- Committee Search - Online Directory**  
ADA30, Transportation **Planning** for Small and Medium-Sized Communities ... ADA99B, Committee on the Metropolitan **Planning** Organization, Present and Future: A ...  
[www.trb.org/directory/comm\\_search.asp?sCode=AD](http://www.trb.org/directory/comm_search.asp?sCode=AD) - 21k - [Cached](#) - [Similar pages](#) - [Note this](#)
- Operations Data for Planning Applications: Identifying Needs ...**  
TRB's Transportation Research Circular E-C095, Operations Data for **Planning** Applications: Identifying Needs, Opportunities, and Best Practices summarizes a ...  
[www.trb.org/news/blurbs\\_detail.asp?ID=6148](http://www.trb.org/news/blurbs_detail.asp?ID=6148) - 16k - [Cached](#) - [Similar pages](#) - [Note this](#)
- Transportation Research Board Statewide Transportation Planning ...**  
The Transportation Research Board Committee on Statewide Multimodal Transportation **Planning** will hold the seventh national conference on statewide ...  
[gulliver.trb.org/conferences/Statewide/default.htm](http://gulliver.trb.org/conferences/Statewide/default.htm) - 21k - [Cached](#) - [Similar pages](#) - [Note this](#)
- TRB Annual Meeting Program**  
Transportation **Planning** for Small and Medium-Sized Communities Committee (ADA30) ... Zoe Neaderland, Delaware Valley Regional **Planning** Commission ...  
[www.trb.org/AM/MP/assembly\\_detail.asp?id=8146](http://www.trb.org/AM/MP/assembly_detail.asp?id=8146) - 32k - [Cached](#) - [Similar pages](#) - [Note this](#)

On the right side of the search results, there are several partial links to other websites:

- Microsoft D...
- Great Plains...
- Sales, Instal...
- [www.NextCo...](http://www.NextCo...)
- Build a Be...
- One Page B...
- Out Plan-O...
- [www.purplek...](http://www.purplek...)
- Something...
- America's To...
- Top Pick - To...
- [www.Someth...](http://www.Someth...)
- Visual Plan...
- Plan simply...
- Free downlo...
- [www.visual-p...](http://www.visual-p...)
- MindManag...
- The easiest...
- your ideas a...





# 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>



# TRB e-Newsletter

---

- Weekly to 25,000 Subscribers
- 3,600+ International from 97+ Countries
- Searchable
- TRB News
- New TRB Publications
- Upcoming TRB Meetings & Conferences
- Federal, University, & International Research News
- In the Know
- Web address - <http://trb.org/news>

# Transportation News



**TRB** TRANSPORTATION RESEARCH BOARD  
OF THE NATIONAL ACADEMIES

Search for:  in **Newsletter Blurbs**  or Search **Publication Blurbs by Topic**

[About](#) | [Annual Meeting](#) | [Calendar](#) | [Committees](#) | [News](#) | [Programs](#) | [Publications](#) | [Resources](#) | [Contact Us](#)

[TRB E-Newsletter Search](#) | [Subscribe/Unsubscribe](#) | [Browse Newsletters](#) |

## 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 in New Zealand

Internet



# Meetings and Conferences

---

- Future Conferences
- Past Conferences
- Material from Past Conferences
- E-Sessions

# Meetings and Conferences

**TRB** TRANSPORTATION RESEARCH BOARD OF THE NATIONAL ACADEMIES

Search for:  in **TRB.org**  or Search

[About](#) | [Annual Meeting](#) | [Calendar](#) | [Committees](#) | [News](#) | [Programs](#) | [Publications](#) | [Resources](#)

[Conferences and Workshops](#) | [Past Conferences and Workshops](#) | [Committee Meetings](#) | [e-Sessions \(Conference Recordings\)](#)

## 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

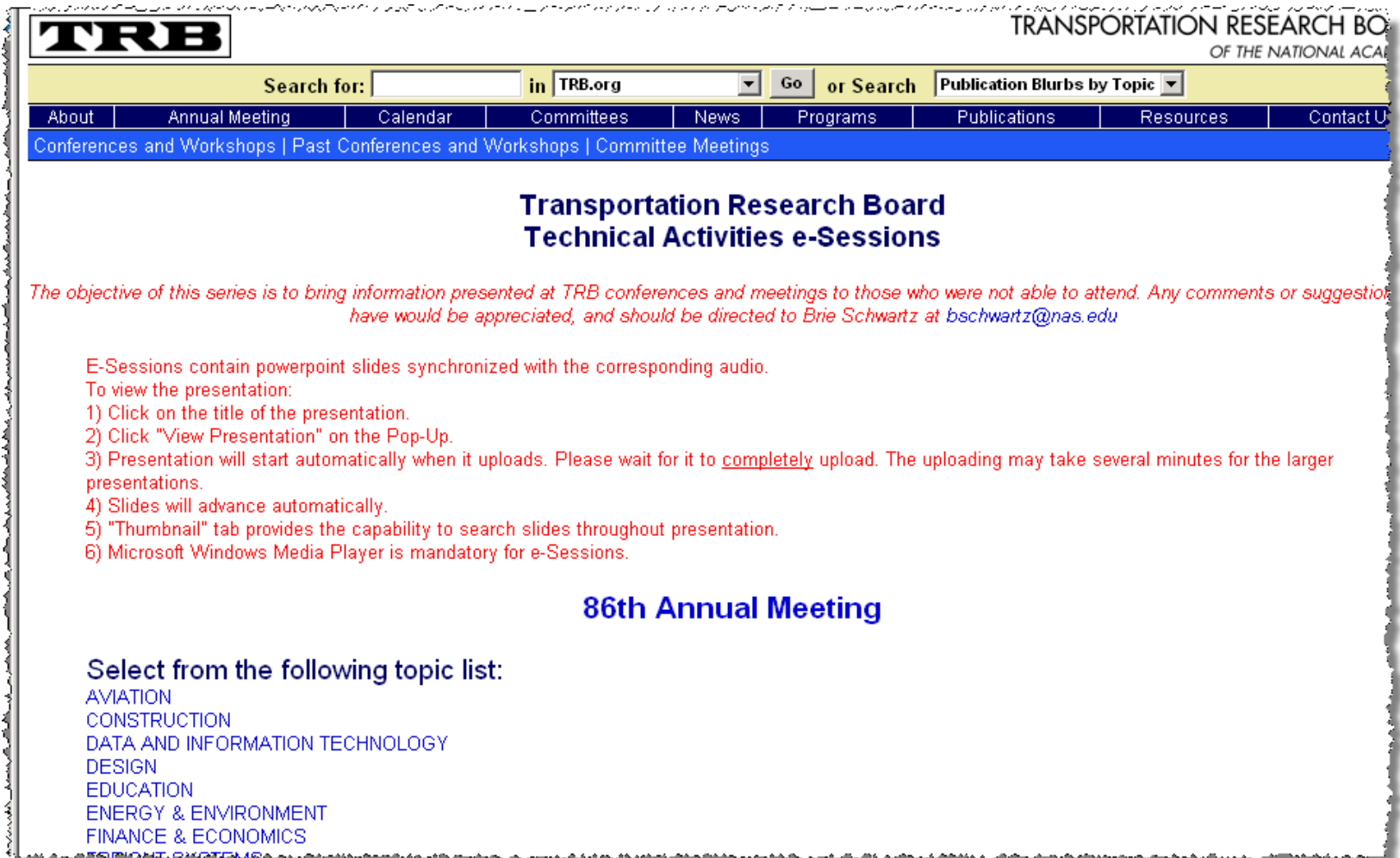
### July 2007

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



**TRB** TRANSPORTATION RESEARCH BOARD  
OF THE NATIONAL ACADEMIES

Search for:  in **TRB.org**  or Search

About | Annual Meeting | Calendar | Committees | News | Programs | Publications | Resources | Contact Us

Conferences and Workshops | Past Conferences and Workshops | Committee Meetings

## 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](mailto: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
- INFRASTRUCTURE 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