



TRANSPORTATION RESEARCH BOARD  
**Public Transportation Overview**

### TRB at a Glance

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

A resource to the nation and to the transportation community worldwide, TRB provides an extensive portfolio of services:

- Opportunities for information exchange on current transportation research and practice,
- Management of cooperative research and other research programs,
- Analyses of national transportation policy issues and guidance on federal and other research programs
- Publications and access to research information from around the world.

More info at [www.trb.org](http://www.trb.org)

### Technical Committees

- Standing Committees:
  - Transportation Issues in Major Cities (ABE30)
  - Accessible Transportation and Mobility (ABE60)
  - Transit and Intermodal Transportation Law (AL020)
  - Truck and Bus Safety (ANB70)
  - Public Transportation Group (AP000)
  - Transit Management and Performance (AP010)
  - Transit Capacity and Quality of Service (AP015)
  - Emerging and Innovative Public Transport and Technologies (AP020)
  - Public Transportation Planning and Development (AP025)
  - Public Transportation Marketing and Fare Policy (AP030)
  - Automated Transit Systems (AP040)
  - Intermodal Transfer Facilities (AP045)
  - Bus Transit Systems (AP050)
  - Rural Public and Intercity Bus Transportation (AP055)
  - Paratransit (AP060)
  - Rail Transit Systems (AP065)
  - Commuter Rail Transportation (AP070)
  - Light Rail Transit (AP075)
  - Ferry Transportation (AP085)
  - Rail Transit Infrastructure (AR055)
- Joint Subcommittees:
  - Health and Transportation (ADD50-1)
  - Community Impact Assessment (ADD20-1)
- Task Force (approved in January, currently in development):
  - Arterials and Public Health (ADD55T)
  - Task Force on Transit Safety and Security (AP018T)
- Policy Study Committees:
  - Transit Research Analysis Committee (TRAC) (B0085)
  - Commercial Truck and Bus Safety Synthesis Program (B0110)
  - Committee for a Study of Intercity Passenger Travel Issues and Opportunities in Short-haul Markets (B0126)
  - Committee for Study of Innovative Urban Mobility Services (B0141)
  - Subcommittee on Planning and Policy Review (SC005)

Information continues behind



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- Council:
  - Young Member Council (A0040T)

To become Friend of any committee visit [MyTRB.org](http://MyTRB.org)

## Upcoming and Recent Events

- Conferences (co-sponsored by TRB):
  - June 15, 2016 Portland, Oregon **Use of Scenario Planning in Transportation Planning**
  - July 11, 2016 Minneapolis, Minnesota **11<sup>th</sup> National Conference on Transportation Asset Management**
  - September 26, 2016 Breckenridge, Colorado **International Conference on Demand Responsive Transportation**
  - October 2, 2016 Asheville, North Carolina **22<sup>nd</sup> National Conference for Rural, Public and Intercity Bus Transportation**
  - October 31, 2016 Detroit, Michigan **TRB Partners in Research Symposium: Transformational Technologies in Transportation**
- TRB Webinars:
  - September 29, 2016 **Shared Mobility and the Transformation of Public Transit**

View TRB webinars here: <http://www.trb.org/ElectronicSessions/ConferenceRecordings.aspx>

## TRB's Transportation Research Information Services (TRIS)

**TRIS includes the TRB Library and the TRIS Databases (listed below) which are available for free on TRB's website.**

**The TRB Library provides information services to TRB staff, sponsors, TRB Committee members and panels and researchers. Access to the TRB Library is a benefit to TRB sponsors and TRB committee members.**

In cooperation with your State DOT Library or Information Service, the TRB Library provides:

- Reference and research assistance
- Literature searches
- Articles for TRB Committee work

**The TRB Library provides training on effective and efficient use of the following TRIS resources:**

**TRID** – The world's largest and most comprehensive bibliographic source on all modes and disciplines of transportation  
[trid.trb.org](http://trid.trb.org)

**Practice Ready Papers (PRP) Database** - Papers with information that is ready for immediate implementation or requires minimal additional research or implementation effort.

[prp.trb.org](http://prp.trb.org)

**Publications Index (PubsIndex) Database** – The papers, articles and reports published by the Transportation Research Board, Highway Research Board, Strategic Highway Research Programs or the Marine Board

[pubsindex.trb.org](http://pubsindex.trb.org)

**Research in Progress (RiP) Database** – Current or recently completed transportation research projects

[rip.trb.org](http://rip.trb.org)

**Research Needs Statements (RNS)** – Research needs as identified by TRB Technical Activities standing committees

[rns.trb.org](http://rns.trb.org)

More information about TRIS is available online at: <http://www.trb.org/InformationServices/InformationServices.aspx>

- Contact the Library at [TRBLibrary@nas.edu](mailto:TRBLibrary@nas.edu) or 1 (202) 334-2989



## Cooperative Research Program (CRP)

- Recent TCRP Reports
  - TCRP Report, Issue 188 (2016) Shared Mobility and the Transformation of Public Transit.
  - TCRP Report, Issue 186 (2016) Economic Impact Case Study Tool for Transit.
  - TCRP Report, Issue 185 (2016) Bus Operator Workstation Design for Improving Occupational Health and Safety.
  - TCRP Report, Issue 184 (2016) Maintenance Technician Staffing Levels for Modern Public Transit Fleets.
  - TCRP Report, Issue 183 (2016) A Guidebook on Transit-Supportive Roadway Strategies.
  - TCRP Report, Issue 182 (2016) Linking Transit Agencies and Land Use Decision Making: Guidebook for Transit Agencies.
  - TCRP Report Issue: 173 - Improving Transit Integration Among Multiple Providers, Volume II: Research Report
  - TCRP Report Issue: 174 - Improving Safety Culture in Public Transportation
  - TCRP Report Issue: 178- A National Training and Certification Program for Transit Vehicle Maintenance Instructors
  - TCRP Report Issue: 177 -Preliminary Strategic Analysis of Next Generation Fare Payment Systems for Public Transportation
  - TCRP Report Issue: 167 Volume 1: Handbook, Volume 2: Research Report - Making Effective Fixed-Guideway Transit Investments: Indicators of Success.
  - TCRP Report Issue: 170- Establishing a National Transit Industry Rail Vehicle Technician Qualification Program "Building for Success"
  - TCRP Report Issue: 171 - Use of Mobility Devices on Paratransit Vehicles and Buses
  - TCRP Report Issue: 169 Part I: A Transit Workplace Health Protection and Promotion Practitioner's Guide, Part II: Final Research Report - Developing Best-Practice Guidelines for Improving Bus Operator Health and Retention.
  - TCRP Report Issue: 168 - Travel Training for Older Adults Part I: A Handbook
  - TCRP Report Issue: 168 - Travel Training for Older Adults Part II: Research Report and Case Studies
  - TCRP Report Issue: 172 - Guidance for Developing a Transit Asset Management Plan
  - TCRP Report Issue: 173 - Improving Transit Integration Among Multiple Providers, Volume I: Transit Integration Manual
  - TCRP Report Issue: 166 - Characteristics of Premium Transit Services that Affect Choice of Mode
  - TCRP Report Issue: 163 - Strategy Guide to Enable and Promote the Use of Fixed-Route Transit by People with Disabilities
  - TCRP Report Issue: 160 - Paratransit Emergency Preparedness and Operations Handbook
  - TCRP Report Issue: 95 - Traveler Response to Transportation System Changes. Chapter 1 - Introduction
  - TCRP Report Issue: 161 - Methods for Forecasting Demand and Quantifying Need for Rural Passenger Transportation: Final Workbook
  - TCRP Report Issue: 165 - Transit Capacity and Quality of Service Manual. Third Edition
  - TCRP Report Issue: 162 - Building a Sustainable Workforce in the Public Transportation Industry – A Systems Approach
  - TCRP Report Issue: 164 - Community Tools to Improve Transportation Options for Veterans, Military Service Members, and Their Families
- Recent TCRP Synthesis
  - TCRP Synthesis of Transit Practice, Issue 123 (2016) Onboard Camera Applications for Buses.
  - TCRP Synthesis of Transit Practice, Issue 122 (2016) Transit Supportive Parking Policies and Programs.
  - TCRP Synthesis of Transit Practice, Issue 121 (2016) Transit Agency Practices in Interacting with People Who Are Homeless.
  - TCRP Synthesis of Transit Practice, Issue 120 (2016) Use of Automotive Service Excellence Tests Within Transit.
  - TCRP Synthesis of Transit Practice, Issue 119 (2016) Use of Taxis in Public Transportation for People with Disabilities and Older Adults.
  - TCRP Synthesis of Transit Practice, Issue: 118 - Practices for Utility Coordination in Transit Projects

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- TCRP Synthesis of Transit Practice, Issue: 117 - Better On-Street Bus Stops
- TCRP Synthesis of Transit Practice, Issue: 116 - Practices for Establishing ADA Paratransit Eligibility Assessment Facilities
- TCRP Synthesis of Transit Practice, Issue: 115 - Open Data: Challenges and Opportunities for Transit Agencies
- TCRP Synthesis of Transit Practice, Issue: 114 - Critical Incident Management and Clearance Practices for Rail Transit
- TCRP Synthesis of Transit Practice, Issue: 113 - Sub-allocating FTA Section 5307 Funding Among Multiple Recipients in Metropolitan Areas
- TCRP Synthesis of Transit Practice, Issue: 112 - Maintaining Transit Effectiveness Under Major Financial Constraints
- Recent TCRP Research Results Digests (RRDs)
  - TCRP Research Results Digest, Issue:110 - Synthesis of Information Related to Transit Problems
  - TCRP Research Results Digest, Issue:109 - Impact of the Affordable Care Act on Non-Emergency Medical Transportation (NEMT): Assessment for Transit Agencies
- Recent TCRP Legal Research Digests (LRDs)
  - TCRP Legal Research Digest, Issue:47 - Legal Issues with Obtaining Insurance for Large Transit Projects
  - TCRP Legal Research Digest, Issue:46 - How the Health Insurance Portability and Accountability Act (HIPAA) and Other Privacy Laws Affect Public Transportation Operations
  - TCRP Legal Research Digest, Issue:45 - Transit Public-Private Partnerships: Legal Issues
- Recent TCRP Web-Only Documents
  - TCRP Web Document, Issue 68 (2016) Developing an ITS Technology Web Portal for Transit System Leaders.
  - TCRP Web Document, Issue 66 (2015) Improving Transportation Network Efficiency Through Implementation of Transit-Supportive Roadway Strategies.
  - TCRP Web-Only Document 65 - Wheel Profile Maintenance Guidelines
  - TCRP Web-Only Document 64 - Performance Based Track Geometry Phase 2
  - TCRP Web-Only Document 63 - Treatments Used at Pedestrian Crossings of Public Transit Rail Services
- Recent TRANSIT-IDEA Program Reports
  - TRANSIT-IDEA Program Project Final Report, Issue 81 (2016) Advanced Locomotive Exhaust Gas Simulator to Fine-Tune Energy Recovery and Conversion Systems.
  - TRANSIT-IDEA Program Project Final Report, Issue 77 (2015) Development of a Prototype Retrofit Bumper for Improved Light Rail Vehicle (LRV) Safety.
  - TRANSIT-IDEA Program Project Final Report, Issue 74 (2015) Apparatus for Gap Management.
  - TRANSIT-IDEA Program Project Final Report, Issue 71 (2015) Transit Information Access for Persons with Visual or Cognitive Impairments.
- Recent NCHRP Reports
  - NCHRP Report, Issue 832 (2016) State DOTs Connecting Users and Rides for Specialized Transportation. Volume 2: Toolkit for State DOTs and Others.
  - NCHRP Report, Issue 832 (2016) State DOTs Connecting Users and Rides for Specialized Transportation. Volume 1: Research Report.
  - NCHRP Report, Issue 827 (2016) Navigating Multi-Agency NEPA Processes to Advance Multimodal Transportation Projects.
- Recent NCHRP Research Results Digests
  - NCHRP Research Results Digest, Issue 397 (2015) Independent Cost Estimates for Design and Construction of Transit Facilities in Rural and Small Urban Areas.
  - NCHRP Research Results Digest, Issue 394 (2015) Estimating the Long-Term Impacts of Map-21 on the Nation's Local Rural Transit Bus Infrastructure.



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- Recent Transportation Research Board Special Reports
  - Transportation Research Board Special Report, Issue 320 (2016) Interregional Travel: A New Perspective for Policy Making.
  - Transportation Research Board Special Report, Issue 319 (2016) Between Public and Private Mobility: Examining the Rise of Technology-Enabled Transportation Services.
- Other Recent Documents
  - NCHRP-TCRP Web-Only Document, Issue NCHRP 221/TCRP 67 (2015) Protection of Transportation Infrastructure from Cyber Attacks: A Primer.
  - NCRRP Legal Research Digest, Issue 3 (2016) Issues that Emerge When Public Entities Acquire a Real Property Interest in Rail Lines.
  - Transportation Research Circular, Issue E-C211 (2016) Taxonomy and Terms for Stakeholders in Senior Mobility.
- Current research
  - TCRP A-36 - Command-Level Decision Making for Transit Emergency Managers
  - TCRP A-39 - Improving Transportation Network Efficiency Through Implementation of Transit-Supportive Roadway Strategies
  - TCRP A-40 - Manual to Improve Rail Transit Safety at Platform/Train and Platform/Guideway Interfaces
  - TCRP A-41 - Improving the Resiliency of Transit Systems Threatened by Natural Disasters
  - TCRP B-44 - Examining the Effects of Separate Non-Emergency Medical Transportation (NEMT) Brokerages on Transportation Coordination
  - TCRP C-22 - Bus Operator Workstation Design for Improving Occupational Health and Safety
  - TCRP D-07 - Joint Rail Transit Research with the Association of American Railroads/Transportation Technology Center, Inc.
  - TCRP D-15 - Effective Practices for the Protection of Transportation Infrastructure from Cyber Incidents
  - TCRP D-16 - Improving the Safety and Sustainability of Stray Current Control of DC-Powered Rail Transit Systems
  - TCRP D-17 - Detecting and Mitigating Low-Level DC Leakage and Fault Currents in Transit Systems
  - TCRP E-10 - Maintenance Technician Staffing Levels for Modern Public Transit Fleets
  - TCRP E-11 - The Relationship Between Transit Asset Condition and Service Quality
  - TCRP F-20 - Transit Labor-Management Partnerships: What Makes Them Work? What Makes Them Last?
  - TCRP F-21 - Tools and Strategies for Eliminating Assaults Against Transit Operators
  - TCRP F-22 - Identifying Best Practices and Sharing Resources for Transit Technical Training
  - TCRP F-23 - Knowledge Management Resource to Support Strategic Workforce Development for Transit Agencies
  - TCRP F-24 - Overcoming Barriers to Implementing Best and Innovative Training Practices for Public Transportation's Frontline Workforce
  - TCRP G-13 - Developing an ITS Technology Web Portal for Transit System Leaders
  - TCRP G-14 - Contracting Commuter Rail Services
  - TCRP G-15 - Public Transportation Resource for Small- and Medium-Sized P3 Initiatives
  - TCRP H-45 - Livable Transit Corridors: Methods, Metrics, and Strategies
  - TCRP H-47 - Linking Transit Agencies and Land Use Decisionmaking
  - TCRP H-50 - Local Economic Development Measurement Tool for Transit
  - TCRP H-51 - Understanding Changes in Demographics, Preferences, and Markets for Public Transportation
  - TCRP H-52 - Decision-Making Toolbox to Plan and Manage Park-and-Ride Facilities for Public Transportation
  - TCRP H-53 - Tools for a Sustainable Transit Agency
  - TCRP J-01 - Dissemination and Implementation of TCRP Research Findings
  - TCRP J-03 - International Transit Studies Program
  - TCRP J-04 - Innovations Deserving Exploratory Analysis--The Transit IDEA Program



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- TCRP J-05 - Legal Aspects of Transit and Intermodal Transportation Programs
- TCRP J-06 - Quick Response for Special Needs
- TCRP J-07 - Synthesis of Information Related to Transit Problems
- TCRP J-09 - e-Transit: Electronic Business Strategies for Public Transportation
- Upcoming projects
  - TCRP A-42 - A Guidebook on Improving Bus Transit Reliability
  - TCRP D-18 - Defining the Criteria for Requiring a Secondary Train Control System When Implementing Communications-Based Train Control (CBCT)

Panel Member nominations accepted (<http://www.trb.org/TCRP/CRPInfoPanelMembers.aspx>)

## Second Strategic Highway Research Program (SHRP 2)

- **Safety Research**

The SHRP 2 Safety study collected an unprecedented amount of objective data on driver behavior. Its analysis will provide a clearer understanding of the causes of crashes and what can be done to avoid them. Analysis of the SHRP 2 Safety data will prevent injuries and save thousands of lives. More information about the data and about data access is available through the [InSight website](https://insight.shrp2nds.us/) (<https://insight.shrp2nds.us/>).
- **Renewal Research**

SHRP 2 Renewal research filled gaps in research and development to produce user-friendly tools so that innovative design and construction methods can be applied more broadly. It tested and objectively evaluated alternative methods to provide transportation agencies with information they need to deliver projects faster. Renewal research products simplified access to information on successful practices in performance specs, utilities, and interaction with railroads, which can speed project delivery and address causes of delay.
- **Reliability Research**

SHRP 2 Reliability research advanced the state of the practice of transportation system management and operations (TSM&O) and helped build a TSM&O profession. It provided the foundational tools for transportation agencies to address system reliability, both organizationally and analytically.
- **Capacity Research**

SHRP 2 Capacity research identified keys to success in planning and obtaining approvals for complex transportation projects. It demonstrated how to systematically apply that knowledge to increase the probability of success and the timely delivery of projects through the planning, NEPA, and permitting processes. Most products of the research are available in [PlanWorks](http://www.fhwa.dot.gov/goshrp2/Solutions/Capacity/C01/PlanWorks_Better_planning_Better_projects) ([http://www.fhwa.dot.gov/goshrp2/Solutions/Capacity/C01/PlanWorks\\_Better\\_planning\\_Better\\_projects](http://www.fhwa.dot.gov/goshrp2/Solutions/Capacity/C01/PlanWorks_Better_planning_Better_projects)).