The Transportation Research Board (TRB) provides innovative, research-based solutions to improve how we move. TRB is part of the National Academies of Sciences, Engineering, and Medicine, an independent, non-profit institution that provides objective advice on scientific, engineering, and medical issues.

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

All available Snap Searches can be accessed online here: http://www.trb.org/InformationServices/Snap.aspx

TRB Snap Search: Public Transportation

TRB’s involvement in research on Public Transportation from 2020-2021

Subject Webpages

- Public Transportation Research at TRB
- Passenger Transportation Research at TRB
- Public Transportation Maintenance Snap Search

Recent Reports & Publications

- Airport Cooperative Research Program (ACRP)
  - Legal Research Digest 39 - Updated Survey of Laws and Regulations Applicable to Airport Commercial Ground Transportation

- IDEA Safety Program
  - Rail IDEA Report 40 - Using Light to Reduce Fatigue and Improve Alertness in Railway Operations

- National Cooperative Highway Research Program (NCHRP)
  - NCHRP 20-65/Task 77 - Lessons Learned and Impacts to Date of State DOT Implementation of New Federal Transit
  - NCHRP 20-65/Task 75 - Baseline Research on Allowable In-Kind and Local Match Sources
  - Report 963 - A Pandemic Playbook for Transportation Agencies (TCRP Report 225)
  - Report 931 - A Guide to Emergency Management at State Transportation Agencies
  - Report 930 - Update of Security 101: A Physical Security and Cybersecurity Primer for Transportation Agencies
  - Report 929 - Broadening Integrated Corridor Management Stakeholders
  - Web-Only Document 287 - Planning and Implementing Multimodal, Integrated Corridor Management: Guidebook

- Special Reports / Consensus Studies
  - Report 337 - The Role of Transit, Shared Modes, and Public Policy in the New Mobility Landscape

- Transit Cooperative Research Program (TCRP)
  - TCRP H-56 - Redesigning Public Transportation Networks for a New Mobility Future
  - Legal Research Digest 55 - Tax Increment Financing for Transit Projects
  - Program - Innovation in Action: Accomplishments of the Transit IDEA (Innovations Deserving Exploratory Analysis) Program
  - IDEA Report 94 - Evaluation of Transit Vehicle Brake Inspection through Ultrasonic Emissions Analysis
  - IDEA Report 93 - An Open Platform for Transit Agencies to Improve the Quality of Their Real-Time Data
  - IDEA Report 92 - Augmented Reality Dispatcher Interface
Current & Upcoming Projects

- IDEA Report 88 - Evaluation of an Automatic, Individual Computer-Based Driver Education and Training Program
- Report 226 - An Update on Public Transportation's Impacts on Greenhouse Gas Emissions
- Report 225 - A Pandemic Playbook for Transportation Agencies (NCHRP Report 963)
- Report 224 - Guide to Joint Development for Public Transportation Agencies
- Report 223 - Guidebook and Research Plan to Help Communities Improve Transportation to Health Care Services
- Report 222 - Analysis of Green Bond Financing in the Public Transportation Industry
- Report 221 - Redesigning Transit Networks for the New Mobility Future
- Report 220 - Low-Speed Automated Vehicles (LSAVs) in Public Transportation
- Report 219 - Guidebook for Deploying Zero Emissions Transit Buses
- Report 218 - Characteristics and Elements of Non-Punitive Employee Safety Reporting Systems for Public Transportation
- Report 217 - Improving the Health and Safety of Transit Workers with Corresponding Impacts on the Bottom Line
- Report 214 - Equity Analysis in Regional Transportation Planning Processes, Volume 1: Guide
- Report 214 - Equity Analysis in Regional Transportation Planning Processes, Volume 2: Research Overview
- Report 213 - Data Sharing Guidance for Public Transit Agencies – Now and in the Future
- Report 212 - Stray Current Control of Direct Current-Powered Rail Transit Systems: A Guidebook
- Report 211 - Guidebook for Detecting and Mitigating Low-Level DC Leakage and Fault Currents in Transit Systems
- Report 210 - Development of Transactional Data Specification for Demand-Responsive Transportation
- Report 209 - Analysis of Recent Public Transit Ridership Trends
- Report 208 - Strategic Communications Toolkit to Improve Support for Transit-Priority Projects
- Synthesis 155 - Intelligent Transportation Systems in Headway-Based Bus Service
- Synthesis 154 - Innovative Practices for Transit Planning at Small to Mid-Sized Agencies
- Synthesis 153 - The Transit Analyst Toolbox: Analysis and Approaches for Reporting, Communicating, and Examining Transit Data
- Synthesis 152 - Transit Agency Relationships and Initiatives to Improve Bus Stops and Pedestrian Access
- Synthesis 150 - Third Rail Insulator Failures: Current State of the Practice
- Synthesis 149 - Transit Signal Priority: Current State of the Practice
- Synthesis 148 - Business Models for Mobile Fare Apps
- Synthesis 147 - Attracting, Retaining, and Advancing Women in Transit
- Synthesis 146 - Transit Security Preparedness
- Synthesis 145 - Current Practices in the Use of Onboard Technologies to Avoid Transit Bus Incidents and Accidents
- Synthesis 144 - Multimodal Fare Payment Integration
- Web-Only Document 73 - Guide to Joint Development for Public Transportation Agencies: Appendices

- Transportation Research Circulars
  - E-Circular 268 - Insights, Inclusion, and Impact: Framing the Future for Women in Transportation
  - E-Circular 266 - Transportation Asset Management in a COVID-19 World
  - E-Circular 262 - TRANSED 2018
  - E-Circular 261 - Preparing for Automated Vehicles and Shared Mobility: Mini-Workshop on the Economic Implications of Automated Vehicles and Shared Mobility

Current & Upcoming Projects

- Current Projects
  - ACRP 01-40 - Evaluating the Traveler's Perspective to Improve the Airport Customer Experience
  - ACRP 01-43 - Update ACRP Report 26: Guidebook for Conducting Airport User Surveys
  - ACRP 01-48 - Assessing Airport Programs for Travelers with Disabilities and Older Adults
  - ACRP 03-52 - Guidelines for Adapting and Managing Airport Common Use Programs
  - ACRP 11-02/Task 41 - Toward a Touchless Airport Journey
  - NCHRP 08-119 - Data Integration, Sharing, and Management for Transportation Planning and Traffic Operations
  - NCHRP 08-131 - Access to Jobs, Economic Opportunities, and Education in Rural Areas
  - NCHRP 08-132 - Accessing America's Great Outdoors: Forecasting Recreational Travel Demand
  - NCHRP 08-133 - Implementing the National Intercity Bus Atlas
  - NCHRP 20-65/Task 82 - Issues Associated with Providing Customized, Client-Based Transportation Services
  - NCHRP 20-65/Task 81 - Best Practices in Rural Service Assessment
  - NCHRP 20-65/Task 80 - Capacity Building Options for DOT Transit Staff
- NCHRP 20-65 / Task 79 - 5310 Sub-Grantee Consolidation
- NCHRP 20-65 / Task 78 - Impact of Change in Volunteerism on Rural Transit Systems
- Asset Management and Public Transportation Agency Safety Requirements
- NCHRP 20-102 (11) - Mobility-on-Demand and Automated Driving Systems: A Framework for Public-Sector Assessment
- NCHRP 20-102 (26) - Dynamic Curbside Management: Keeping Pace with New and Emerging Mobility and Technology in the Public Right of Way
- TCRP A-46 - Quantitative Procedures for Designing and Operating Ferry Transit Services
- TCRP A-45 - Measuring and Managing Fare Evasion
- TCRP A-44 - Strategies for Deferring Trespassing on Rail Transit and Commuter Rail Rights-of-Way
- TCRP A-43 - Recent Decline in Public Transportation Ridership: Analysis, Causes, Responses
- TCRP B-47 - Impact of Transformational Technologies on Underserved Populations
- TCRP B-48 - The Provision of Alternative Services by Transit Agencies: The Intersection of Regulation and Program
- TCRP C-24 - Transit Traction Power Cables: Replacement Guidelines
- TCRP C-23 - Assessing and Mitigating Electrical Fires on Transit Vehicles
- TCRP F-28 - Practitioner’s Guide to Bus Operator Workforce Management
- TCRP G-17 - Assessing Lifecycle and Human Costs of Bus Operator Workstation Design and Components
- TCRP I-05 / Topic 18-04 - Joint Development Agreements Using FTA Funds or FTA-Funded Assets
- TCRP I-05 / Topic 18-02 - Codes of Conduct on Transit Vehicles and Property: Legal Issues
- TCRP I-05 / Topic 19-02 - Legal Issues and Emerging Technologies
- TCRP I-05 / Topic 19-03 - Navigating the Complexities of Sensitive Security Information (SSI) and Protected Critical Infrastructure Information (PCII)
- TCRP I-05 / Topic 20-01 - Legal Issues in Transit Mega Projects--Case Studies
- TCRP I-05 / Topic 20-03 - Policing and Public Transportation
- TCRP I-11 - Quick-Response Research on Long-Term Strategic Issues
- TCRP I-11 / Task 34 - The Effects of Vehicle Automation on the Public Transportation Workforce
- TCRP I-11 / Task 35 - Resource Guide for Improving Diversity and Inclusion Programs for the Public Transportation Industry
- TCRP I-11 / Task 37 - Transit and Micro-Mobility (Bikeshare, Scooter-share, etc.)
- TCRP I-11 / Task 39 - Evaluation Framework for Fare-free Public Transportation
- TCRP Synthesis J-07 / Topic SA-52 - Assessing Equity and Identifying Impacts Associated with Bus Network Redesigns
- TCRP Synthesis J-07 / Topic SB-33 - Uses of Social Media in Public Transportation
- TCRP Synthesis J-07 / Topic SB-34 - Coordination of Public Transit Services and Investments with Affordable Housing Policies
- TCRP Synthesis J-07 / Topic SH-19 - Considering the Unbanked in Cashless Fare Payment at Point of Service for Bus/Demand Response Services
- TCRP Synthesis J-07 / Topic SH-21 - Transit Fare Capping: Balancing Revenue and Equity Impacts
- Transit IDEA J-04 / IDEA 99 - Bike Love
- Transit IDEA J-04 / IDEA 98 - Safety Assessment of the Interaction Between the Autonomous Shuttle Bus and Vulnerable Road Users
- Transit IDEA J-04 / IDEA 97 - Open Platform to Attract, Organize, and Coordinate Volunteers for Rural and Small Urban Transit
- Transit IDEA J-04 / IDEA 96 - Multi-stage Planning for Electrifying Transit Bus Systems with Multiformat Charging Facilities
- Transit IDEA J-04 / IDEA 95 - Connected and Automated Parking Feasibility / MDOT MTA Dorsey Run Pilot Project
- Transit IDEA J-04 / IDEA 91 - Comprehensive Wayfinding for All (CWall)

- Upcoming Projects
  - ACRP 11-08 (20-02) - ACRP Insight Event - On-Demand Aviation Services for Passengers and Goods
  - NCHRP 08-130 - Best Practices in Coordination of Public Transit and Ride Sharing
  - NCHRP 08-144 - Best Practices in Determining Rural Transit Fleet Size – How to Provide Service for Changing Demographics of Rural Ridership (Right-sizing of Rural Transit Fleets)
  - NCHRP 08-147 - Design Guide for Rural Deviated Fixed Route Transit Systems
- Sustaining a Zero Fare Public Transportation Program in a Post COVID-19 World
- Potential Impacts of Highly Automated Vehicles and Shared Mobility on Traveler Behavior
- Statewide Insurance Pooling for Public Transit
- Effective Tools and Practices for Measuring Telecommuting Employee Performance
- Improving Public Transportation in Rural Areas and Tribal Communities
- Bus Driver Security Barrier Design - The Challenges and Solutions
- Phase II TCRP Project D-17 - Detecting and mitigating low level DC fault currents in transit systems
  thus eliminating electrical fires in tunnels and rights-of-way
- Insulated Joint Failure Investigation Mitigation
- Planning for Innovation & Emerging Mobility Futures at Intermodal Passenger Facilities
- COVID-19 and Transit Air Quality Protections (Insight Event)
- Mental Health, Wellness, and Resilience for Transit System Workers
- Improving Access and Management of Transit ITS Data
- Racial Equity, Black America and Public Transportation
- Lessons Learned from Covid-19: Strategies to Enhance Racial and Social Equity through Public Transportation as a Community Lifeline
- Legal Issues Regarding Multijurisdictional Transit Agencies
- Transit Sponsor and Contractor Delay Damages and Remedies Due to Third Parties - Transit Facility Improvements - Common Legal Issues and Solutions
- Legal Issues Surrounding Disasters and Evacuations
- Liability Insurance Issues for Transit Lawyers: A Primer
- Pathways to Effective, Inclusive, and Equitable Virtual Public Engagement for Public Transportation
- Maintaining Transportation Services for People With Disabilities, Paratransit, and Other Service Needs During a Pandemic
- Pedestrian and Bicycle Safety in Bus/BRT Corridors
- On Street Bus Operations Management
- Dynamic Optimization on ADA Paratransit Service
- Customer Education and Awareness of On-Demand Mobility
- Performance Metrics in Third Party Contracts for Bus Operations and Maintenance
- Inclusive Public Participation in Transit Decision Making
- Partnerships for Equitable Pandemic Response and Recovery

Reports from the National Academies Press on Public Transportation
- Engineering for Pandemics: Preparedness, Response, and Recovery
- Emergency Evacuation and Sheltering During the COVID-19 Pandemic
- Population Health in Rural America in 2020
- Assessment of Technologies for Improving Light-Duty Vehicle Fuel Economy—2025-2035
- Advancing Urban Sustainability in China and the United States
- Social Isolation and Loneliness in Older Adults - Opportunities for the Health Care System
- Reopening K-12 Schools During the COVID-19 Pandemic

Committees & Panels
Sign-up to be a committee "Friend"

TRB Standing Committees – Search by transportation mode and committee topic
- City Transportation Issues Coordinating Council
- Truck and Bus Safety
- Transit and Intermodal Transportation Law
- Accessible Transportation and Mobility
- Public Transportation Group
- Transit Management and Performance
- Transit Capacity and Quality of Service
- Innovative Public Transportation Services and Technologies
- Public Transportation Planning and Development
- Public Transportation Marketing and Fare Policy
- Passenger Intermodal Facilities
- Bus Transit Systems
- Rural, Intercity Bus, and Specialized Transportation
- Rail Transit Systems

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Task Forces - Search for task force under committee here

Policy Study
- B0085 – Transit Research Analysis Committee (TRAC)
- B0154 – Review Evidentiary Protection for Public Transportation Safety Program Information
- B0165 – Role of Public Transportation and Mobility Management in an Era of New and Expanding Shared Mobility Options

CRP Panels
- Project Panels Related to Public Transportation
- Project Panels Related to Passenger Transportation

Councils
- A001C – Young Members Coordinating Council

Recent and Upcoming Events

Upcoming Conferences - Left hand menu “upcoming conferences by topic”
(Conferences cosponsored by TRB are denoted with an asterisk.)

- How We Move Matters: Exploring the Connections between New Transportation and Mobility Options and Environmental Health
  July 1, 2021
  online

- Bridging Transportation Researchers Online Conference*
  August 5, 2021

- National Conference on Transportation Asset Management
  August 10, 2021
  online

- XXI Pan-American Conference of Transport and Logistics 2021*
  August 11, 2021
  online

- National Conference on Rural Public and Intercity Bus Transportation
  October 25, 2021
  online

- Geo-Extreme Conference*
  November 7, 2021
  Savannah, GA

- 13th Access Management Conference
  July 1, 2022
  online

- International Conference on Mobility and Transport for Older Adults and People with Disabilities (TRANSEC)
  September 1, 2022
  Seattle, WA

Webinars – View upcoming webinars, suggest a webinar or add registration information

Past Webinars
- Public Transportation
- Passenger Transportation

TRB’s Transportation Research Information Services (TRIS)
TRIS includes the **TRB Library** and the **TRIS Databases** (listed below) which are available 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:**

- **Transportation Research International Documentation (TRID)** – [trid.trb.org](http://trid.trb.org) - The world’s largest and most comprehensive bibliographic source on all modes and disciplines of transportation
- **Transportation Research Thesaurus (TRT)** – [trt.trb.org](http://trt.trb.org) - A tool to improve the indexing and retrieval of transportation information.
- **Research in Progress (RiP) Database** – [rip.trb.org](http://rip.trb.org) - Current or recently completed transportation research projects
- **Research Needs Statements (RNS)** – [rns.trb.org](http://rns.trb.org) - Research needs as identified by TRB Technical Activities standing committees
- **Publications Index (PubsIndex) Database** – [pubsindex.trb.org](http://pubsindex.trb.org) - The papers, articles and reports published by the Transportation Research Board, Strategic Highway Research Programs or the Marine Board

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