TRB Snap Search: Public Transportation

TRB’s involvement in research on Public Transportation from 2021-2022

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 Research

TRID – The world’s largest and most comprehensive bibliographic source on all modes and disciplines of transportation

- Click here to view search results on TRB published research on Public Transportation within the past year.

Subject Webpages

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

Special Reports

- COVID-19 Addendum to Critical Issues in Transportation
- Racial Equity Addendum to Critical Issues in Transportation

Recent Reports & Publications

- Airport Cooperative Research Program (ACRP)
  - Report 231 - Evaluating the Traveler’s Perspective to Improve the Airport Customer Experience

- National Cooperative Highway Research Program (NCHRP)
  - Legal Research Digest 84 - Fix It, Sign It or Close It: State of Good Repair in an Era of Budget Constraints
  - Report 976 - Resilience Primer for Transportation Executives
  - Report 963 - A Pandemic Playbook for Transportation Agencies (TCRP Report 225)

- 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)
  - IDEA Report 96 - Multi-stage Planning for Electrifying Transit Bus Systems with Multi-format Charging Facilities
  - IDEA Report 95 - Connected and Automated Parking Feasibility – A Pilot Study
  - Legal Research Digest 57 - Fix It, Sign It or Close It: State of Good Repair in an Era of Budget Constraints
  - Legal Research Digest 56 - Joint Development Agreements Using FTA Funds or FTA-Funded Assets
  - Research Results Digest 115 - Use of Agency Service Agreements in ADA Paratransit Delivery
  - Report 234 - Measuring and Managing Fare Evasion
  - Report 233 - Strategies for Deterring Trespassing on Rail Transit and Commuter Rail Rights-of-Way, Volume 1: Guidebook
  - Report 233 - Strategies for Deterring Trespassing on Rail Transit and Commuter Rail Rights-of-Way, Volume 2: Research Overview
  - Report 231 - Recent Decline in Public Transportation Ridership: Analysis, Causes, and Responses
  - Report 230 - Transit and Micromobility
- Report 229 - Assessing and Mitigating Electrical Fires on Transit Vehicles
- Report 228 - Resource Guide for Improving Diversity and Inclusion Programs for the Public Transportation Industry
- 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
- Synthesis 164 - Bus Rapid Transit: Current State of Practice
- Synthesis 163 - Considering the Unbanked in Cashless Fare Payment at Point of Service for Bus/Demand-Response Services
- Synthesis 162 - Coordination of Public Transit Services and Investments with Affordable Housing Policies
- Synthesis 161 - ADA Paratransit and Other Demand-Responsive Transportation Services in Small to Midsized Transit Agencies
- Synthesis 160 - Fare Capping: Balancing Revenue and Equity Impacts
- Synthesis 159 - Assessing Equity and Identifying Impacts Associated with Bus Network Redesigns
- Synthesis 158 - Cybersecurity in Transit Systems
- Synthesis 157 - 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
- Web-Only Document 75 - Command-Level Decision Making for Transportation Emergency Managers
- Web-Only Document 74 - Recent Decline in Public Transportation Ridership: Hypotheses, Methodologies, and Detailed City-by-City Results
- 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

Current & Upcoming Projects

- Current Projects
  - 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
  - ACRP Synthesis 11-03/Topic S03-17 - Airport Centric Advanced Air Mobility Market Study
  - NCHRP 08-119 - Data Integration, Sharing, and Management for Transportation Planning and Traffic Operations
  - NCHRP 08-130 - Best Practices in Coordination of Public Transit and Ride Sharing
  - 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 08-147 - Improving Public Transportation in Rural Areas and Tribal Communities
  - NCHRP 20-59 - Surface Transportation Security and Resilience Research
  - 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 Decline in Volunteerism on Rural Transit Systems
  - NCHRP 20-102 - Dynamic Curbside Management: Keeping Pace with New and Emerging Mobility and Technology in the Public Right of Way
  - NCHRP 20-123 - Support for AASHTO Committees and Councils
- **NCHRP 23-13(01)** - Telecommuting, Remote Work, and Hybrid Schedules: Managing the Shift to a Flexible Work Future
- **NCHRP 23-04** - Statewide Insurance Pooling for Public Transit
- **TCRP A-46** - Quantitative Procedures for Designing and Operating Ferry Transit Services
- **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 B-49** - Improving Public Transportation in Rural Areas and Tribal Communities
- **TCRP C-24** - Transit Traction Power Cables: Replacement Guidelines
- **TCRP G-25** - Bus Operator Barrier Design
- **TCRP D-19** - Detecting and Mitigating Low-Level DC Fault Currents in Transit Systems (Phase II TCRP Project D-17)
- **TCRP E-13** - COVID-19 and Transit Air Quality Protections (Insight Event)
- **TCRP F-28** - Practitioner’s Guide to Bus Operator Workforce Management
- **TCRP F-29** - Mental Health, Wellness, and Resilience for Transit System Workers
- **TCRP F-30** - Guide for Protecting Transportation Employees and the Traveling Public from Airborne Diseases
- **TCRP G-17** - Assessing Lifecycle and Human Costs of Bus Operator Workstation Design and Components
- **TCRP G-18** - Improving Access and Management of Transit ITS Data
- **TCRP H-59** - Racial Equity, Black America and Public Transportation
- **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** - Effects of Vehicle Automation on the Public Transportation Workforce
- **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 I-11/Task 41** - Pathways to Effective, Inclusive, and Equitable Virtual Public Engagement for Public Transportation
- **TCRP I-11/Task 42** - Transportation Services for People With Disabilities and Older Adults during a Pandemic and Other Emergencies: Lessons Learned during the Covid-19 Pandemic
- **TCRP Synthesis I-07/Topic SA-51** - Transit Safety Risk Assessment Methodologies
- **TCRP Synthesis I-07/Topic SA-54** - Pedestrian and Bicycle Safety in Bus/BRT Corridors
- **TCRP Synthesis I-07/Topic SB-33** - Uses of Social Media in Public Transportation
- **TCRP Synthesis I-07/Topic SB-35** - Customer Education and Awareness of On-Demand Mobility
- **TCRP Synthesis I-07/Topic SB-36** - Dynamic Optimization on ADA Paratransit Service
- **TCRP Synthesis I-07/Topic SH-19** - Considering the Unbanked in Cashless Fare Payment at Point of Service for Bus/Demand Response Services
- **TCRP Synthesis I-07/Topic SH-22** - Inclusive Public Participation in Transit Decision Making
- **TCRP Synthesis I-07/Topic SH-23** - Partnerships for Equitable Pandemic Response and Recovery
- **Transit IDEA 1-04/IDEA 91** - Comprehensive Wayfinding for All (CWall)
- **Transit IDEA 1-04/IDEA 97** - Open Platform to Attract, Organize, and Coordinate Volunteers for Rural and Small Urban Transit
- **Transit IDEA 1-04/IDEA 98** - Safety Assessment of the Interaction Between the Autonomous Shuttle Bus and Vulnerable Road Users
- **Transit IDEA 1-04/IDEA 99** – Bike Love
- **Transit IDEA 1-04/IDEA 100** - TrainMate Robotic System: Making Public Transportation, Public
- **Transit IDEA 1-04/IDEA 101** - Multimodal Transit with Citopia

**Upcoming Projects**
- **ACRP 10-33** - Incorporating Emerging Transportation and Ground Access Technologies at Airports
- **ACRP 11-08(20-02)** - ACRP Insight Event--On-Demand Aviation Services for Passengers and Goods
- **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 08-159** - How to Assess and Address Equity of Access to Essential Goods and Services
- **NCHRP 08-172** - Benefit Analysis of Private Health Sector Investments in Public/Human Transportation
- **TCRP D-20** - Insulated Joint Failure Investigation Mitigation
- **TCRP H-60** - Lessons Learned from Covid-19: Strategies to Enhance Racial and Social Equity through Public Transportation as a Community Lifeline
- **TCRP J-05/Topic 19-01** - Legal Issues Regarding Multijurisdictional Transit Agencies
- **TCRP J-05/Topic 19-04** - Transit Sponsor and Contractor Delay Damages and Remedies Due to Third Parties - Transit Facility Improvements-Common Legal Issues and Solutions
- **TCRP J-05/Topic 20-02** - Liability Insurance Issues for Transit Lawyers: A Primer
- **TCRP J-05/Topic 21-01** - Update of Legal Research Digests Regarding Civil Rights, Privacy, and Other Related Digests
- **TCRP Synthesis J-07/Topic SA-57** - Statewide Approaches to the Development of Comprehensive Transit Information Systems
- **TCRP Synthesis J-07/Topic SA-60** - Examination of Transit Agency Coordination with Electric Utilities
- **TCRP Synthesis J-07/Topic SB-37** - Transit Agency Goals and Non-Traditional Performance Indicators Focused on Equity
- **TCRP Synthesis J-07/Topic SB-38** - Accessible Vehicles Fleet Configuration

**Reports from the [National Academies Press](https://www.nap.edu) on Public Transportation**

- Resilient Infrastructure in the Gulf of Mexico
- Service Life Assessment and Predictive Modeling for an Aging Critical Infrastructure
- Harnessing the Value of Co-Creating and Stewarding Places for Health, Equity, and Well-Being
- 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

**Committees & Panels**

*Sign-up to be a committee "Friend"*

**TRB Standing Committees** – Search by transportation mode and committee topic

- **A0030C** – City Transportation Issues Coordinating Council
- **AC56** – Truck and Bus Safety
- **AIL20** – Transit and Intermodal Transportation Law
- **AME50** – Accessible Transportation and Mobility
- **AP000** – Public Transportation Group
- **AP010** – Transit Management and Performance
- **AP015** – Transit Capacity and Quality of Service
- **AP020** – Innovative Public Transportation Services and Technologies
- **AP025** – Public Transportation Planning and Development
- **AP030** – Public Transportation Marketing and Fare Policy
- **AP045** – Passenger Intermodal Facilities
- **AP050** – Bus Transit Systems
- **AP055** – Rural, Intercity Bus, and Specialized Transportation
- **AP065** – Urban Rail Transit Systems
- **AP075** – Light Rail Transit
- **AP090** – Transit Data
- **AR050** – Railroad Infrastructure Design and Maintenance
- **AR060** – Rail Transit Infrastructure Design and Maintenance
- **AW050** – Ferry Transportation

**Task Forces** - Search for *task force* under committee here

**Policy Study**

- **B0085** – Transit Research Analysis Committee (TRAC)
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 TRB Conferences – Use left hand menu to filter events

**TRANSED: Mobility, Accessibility, and Demand Response Transportation Conference**
*September 12-16, 2022*  
*Online*

**Conference on Scenario Planning in Transportation Planning**
*September 19-21, 2022*  
*Washington, D.C.*

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

Contact or Questions: TRBLibrary@nas.edu