TRB Snap Search: Public Transportation

TRB’s involvement in research on Public Transportation from 2022-2023

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)
  - Web-Only Document 52 - Command-Level Decision Making for Transportation Emergency Managers

- National Cooperative Highway Research Program (NCHRP)
  - Report 988 - Rural Transportation Issues: Research Roadmap

- 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 C-24 - Transit Traction Power Cables: Replacement Guidelines
  - IDEA Report 98 - Safety Assessment of the Interaction Between the Autonomous Shuttle Bus and Vulnerable Road Users
  - IDEA Report 96 - Multi-stage Planning for Electrifying Transit Bus Systems with Multi-format Charging Facilities
  - Legal Research Digest 59 - Legal Issues and Emerging Technologies
  - Legal Research Digest 58 - Policing and Public Transportation
  - Report 238 - Quantitative Procedures for Designing and Operating Ferry Services
  - Report 237 - Fare-Free Transit Evaluation Framework
  - Report 235 - Improving Access and Management of Public Transit ITS Data
  - Report 234 - Measuring and Managing Fare Evasion

Updated 11/23/2022
- 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 232 - The Impacts of Vehicle Automation on the Public Transportation Workforce
- 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 Mid-Sized 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
- 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

Current & Upcoming Projects

- Current Projects
  - 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 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 08-132 - 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
  - Asset Management and Public Transportation Agency Safety Requirements
  - 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 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-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 H-59 - Racial Equity, Black America and Public Transportation
  - TCRP H-60 - Lessons Learned from Covid-19: Strategies to Enhance Racial and Social Equity through Public Transportation as a Community Lifeline
  - 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)
• 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 08-130 - 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 08-159 - 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 A-48 - Mitigation Strategies for Deterring Transit Assaults
- TCRP B-50 - Accessible Public Bus and Rail Passenger Information for Riders with Vision Disabilities
- TCRP D-20 - Investigation and Mitigation of Insulated Joint Electrical Failure
- TCRP E-14 - Lithium-Ion Battery Transit Bus Fire Prevention and Risk Management
- TCRP I-05/Topic 19-01 - Legal Issues Regarding Multijurisdictional Transit Agencies
- TCRP I-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 I-05/Topic 20-02 - Liability Insurance Issues for Transit Lawyers: A Primer
- TCRP I-05/Topic 21-01 - Update of Legal Research Digests Regarding Civil Rights, Privacy, and Other Related Digests
- TCRP I-11/Task 43 - Analysis of Public Transportation Health Impacts and Benefits
- TCRP I-11/Task 44 - Improving Access to Public Transportation Services and Facilities with Transit-Oriented Complete Streets
- TCRP Synthesis I-07/Topic SA-56 - Use of Automatic Vehicle Monitoring (AVM) and Vehicle Health Monitoring/Diagnostic Systems by Transit Agencies
- TCRP Synthesis I-07/Topic SB-38 - Accessible Vehicles Fleet Configuration

Reports from the National Academies Press on Public Transportation

- Transportation and Infrastructure » Public Transportation
- Equitable and Resilient Infrastructure Investments
- Corrosion of Buried Steel at New and In-Service Infrastructure
Global Roadmap for Healthy Longevity
Improving the CDC Quarantine Station Network’s Response to Emerging Threats
Relocation and Other Climate Adaptations on Florida’s Gulf Coast
Investing in 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

Committees & Panels

Sign-up to be a committee "Friend"

**TRB Standing Committees** - Search by transportation mode and committee topic
- ACS60 – Truck and Bus Safety
- AJL20 – 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)
- B0154 – Review Evidentiary Protection for Public Transportation Safety Program Information

CRP Panels
- D08147 - NCHRP 08-147/TCRP B-49 Improving Public Transportation in Rural Areas and Tribal Communities
- D2065 - Research for the AASHTO Standing Committee on Public Transportation
- TB50 - Public Transportation Information Systems for Passengers who are Vision Disabled
- TH59 - Racial Equity, Black America and Public Transportation
- TH60 - Lessons Learned From Covid-19: Strategies to Enhance Racial And Social Equity Through Public Transportation As A Community Lifeline
- TJ1141 - Pathways to Effective, Inclusive, and Equitable Virtual Public Engagement for Public Transportation
- TJ1143 - Analysis of Public Transportation Health Impacts and Benefits

Councils
- A001C – Young Members Coordinating Council
- A0030C – City Transportation Issues Coordinating Council

Recent and Upcoming Events

**Upcoming TRB Conferences** – Use left hand menu to filter events

**Innovations in Travel Analysis and Planning Conference**
June 4-6, 2023
Indianapolis, IN

**National Conference on Transportation Asset Management**
July 8-11, 2023
Boston, MA
Upcoming Events – In the Upcoming Events tab under Types, choose what event you are interested in, search titles by keyword

Past Events - In the Past Events tab under Types, choose what event you are interested in, search titles by keyword

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
- 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](mailto:TRBLibrary@nas.edu)