TRB Snap Search: Demand Responsive & Innovative Transportation Services

TRB's involvement in research on Demand Responsive & Innovative Transportation Services 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 Demand Responsive & Innovative Transportation Services within the past year.

Specialty Report

- Critical Issues in Transportation for 2024 and Beyond
- Critical Issues in Transportation 2019
- 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 249 - Developing an Airport Program to Address Human Trafficking: A Guide
  - Report 241 - Toward a Touchless Airport Journey
  - Report 239 - Assessing Airport Programs for Travelers with Disabilities and Older Adults
  - Synthesis 130 - Airport-Centric Advanced Air Mobility Market Study
  - Transportation Insights 4 - On-Demand Services for Mobility, Logistics, Emergency Response, and Humanitarian Use Cases

- Behavioral Traffic Safety Cooperative Research Program (BTSCRP)
  - Report 6 - Identifying and Prioritizing Behavioral Interventions to Improve Child Passenger Safety in For-Hire Vehicles

- National Cooperative Highway Research Program (NCHRP)
  - 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
  - Report 1072 - Telecommuting, Remote Work, and Hybrid Schedules: Managing the Shift to a Flexible Work Future
  - Report 1059 - Access to Jobs, Economic Opportunities, and Education in Rural Areas
  - Report 988 - Rural Transportation Issues: Research Roadmap
  - Research Results Digest 403 - Program Management Insights for the Section 5310 Program, Including Subrecipient Consolidation and Urban 5310
  - Web-Only Document 331 - Mobility on Demand and Automated Driving Systems: A Framework for Public-Sector Assessment

- Transit Cooperative Research Program (TCRP)
  - IDEA Report 101 - Citopia MaaS/Multimodal Transit
  - IDEA Report 100 - TrainMate Robotic System Making Public Transportation, Public!
Recently Completed Projects/Pending Publication

- ACRP 11-08(20-02) - ACRP Insight Event--On-Demand Aviation Services for Passengers and Goods
- ACRP 03-52 - Guidelines for Adapting and Managing Airport Common Use Programs
- NCHRP 23-04 - Statewide Insurance Pooling for Public Transit
- NCHRP 20-102(11) - Mobility-on-Demand and Automated Driving Systems: A Framework for Public-Sector Assessment
- NCHRP 20-65/Task 7B - Impact of Decline in Volunteerism on Rural Transit Systems
- TCRP I-11/Task 42 - Transportation for People with Disabilities and Older Adults during COVID-19: Lessons for Emergency Response
- TCRP C-24 - Transit Traction Power Cables: Replacement Guidelines
- TCRP B-48 - The Provision of Alternative Services by Transit Agencies: The Intersection of Regulation and Program

Current & Upcoming Projects

- **Current Projects**
  - ACRP Synthesis 11-03/Topic S01-29 - Airport Practices for Onboarding a New Passenger Airline
  - 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 08-133(01) - Implementing the National Intercity Bus Atlas (Phases II and III)
  - NCHRP 08-140 - Guide for Truck Parking Information Management Systems
  - NCHRP 08-147 - Improving Public Transportation in Rural Areas and Tribal Communities
  - 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
  - TCRP A-49 - Fare Policies, Structures, and Technologies -- 2022 Updates
  - TCRP B-47 - Impact of Transformational Technologies on Underserved Populations
- TCRP B-49 - Improving Public Transportation in Rural Areas and Tribal Communities
- TCRP B-50 - Accessible Public Bus and Rail Passenger Information for Riders with Vision Disabilities
- TCRP C-25 - Bus Operator Barrier Design
- TCRP F-28 - Practitioner’s Guide to Bus Operator Workforce Management
- TCRP I-05/Topic 19-03 - Navigating the Complexities of Sensitive Security Information (SSI) and Protected Critical Infrastructure Information (PCII)
- TCRP Synthesis J-07/Topic SD-07 - Red Tinted Bus Lanes Experience
- TCRP Synthesis J-07/Topic SA-54 - Pedestrian and Bicycle Safety in Bus/BRT Corridors
- 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 SA-62 - Planning and Operations Initiatives to Support Nighttime Off-Peak Transit Ridership
- TCRP Synthesis J-07/Topic SB-38 - Paratransit Fleet Configurations
- TCRP Synthesis J-07/Topic SB-41 - Microtransit Solutions in Rural Communities: On-Demand Alternatives to Dial-A-Ride Services and Unproductive Coverage Routes
- TCRP Synthesis J-07/Topic SB-42 - Operational and Service Factors When Integrating/Consolidating ADA Paratransit and On-Demand Services
- TCRP Synthesis J-07/Topic SH-24 - Impacts of Fentanyl and Substance Use on Transit
- Transit IDEA J-04/IDEA 103 - Real-Time Trip Support for Multimodal Travelers

**Upcoming Projects**
- ACRP 03-76 - Effectiveness of Technology to Improve Airport Customer Service
- NCHRP 08-159 - How to Assess and Address Equity of Access to Essential Goods and Services
- NCHRP 08-153 - A Guide for the Development and Use of Truck Traffic Forecasts in Design
- NCHRP 08-144 - Rural Transit Fleet Mix and Vehicle Size Decision Trees
- NCHRP 20-06/Topic 27-04 - Managing Performance for Innovative Technology Contracts
- TCRP A-51 - Innovative Practices for Technology Implementation at Rural, Small, and Mid-Sized Transit Agencies
- TCRP B-53 - Addressing the Travel Needs of Women
- TCRP D-23 - Guidebook for Planning and Constructing a Small and Rural Tribal Transit Facility
- TCRP F-31 - Modernizing Transit Station Staffing Management
- TCRP I-05/Topic 20-02 - Liability Insurance Issues for Transit Lawyers: A Primer
- TCRP I-11/Task 45 - Future of Commuter Rail in North America
- TCRP I-11/Task 47 - Affordable Housing and Transit

**Reports from the National Academies Press on Demand Responsive & Innovative Transportation Services**
- Accelerating Decarbonization in the United States
- Navigating an Electric Vehicle Future
- Engineering Responses to Climate Change: Proceedings of a Forum
- Enhancing Federal Clean Energy Innovation
- The Future of Electric Power in the United States
- Materials Science and Engineering in a Post-Pandemic World: A DoD Perspective

**Committees & Panels**

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

**TRB Standing Committees** – Search by transportation mode and committee topic
- AEP50 - Transportation Demand Forecasting
- AEP60 - Transportation Demand Management
- AJE30 - Transportation Asset Management
- AME50 – Accessible Transportation and Mobility
- AP000 – Public Transportation Group
- AP010 – Transit Management and Performance
- AP015 – Transit Capacity and Quality of Service
- **AP02**  – Innovative Public Transportation Services and Technologies
- **AP025**  – Public Transportation Planning and Development
- **AP030**  – Public Transportation Marketing and Fare Policy
- **AP045**  – Passenger Intermodal Facilities
- **AP055**  – Rural, Intercity Bus, and Specialized Transportation
- **AP075**  – Light Rail Transit
- **AP080**  – Transit Safety and Security
- **AR050**  – Railroad Infrastructure Design and Maintenance
- **AR055**  – Rural, Intercity Bus, and Specialized Transportation
- **AR060**  – Rail Transit Infrastructure Design and Maintenance
- **AR065**  – Rural Transit Systems

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

**Policy Study**
- **B0085**  - Transit Research Analysis Committee (TRAC)

**CRP Panels**
- **D08130**  - Best Practices in Coordination of Public Transit and Ride Sharing
- **D08144**  - Rural Transit Fleet Mix and Vehicle Size Decision Trees
- **D08159**  - Understand How Accessibility to Employment, Health Care, Education, and Other Vital Needs Varies for Different Population Groups in Different Settings, and Methods for Effectively Assessing Mobility and Accessibility Needs
- **D1923**  - Revenue-Related Strategies for New Mobility Options
- **D2010224**  - Infrastructure Enablers for Connected and Automated Vehicles and Shared Mobility--Near-Term and Mid-Term
- **D2010229**  - Incorporating New Mobility Options into Travel Demand Forecasting and Modeling
- **D2030**  – NCHRP IDEA (Innovations Deserving Exploratory Analysis)
- **DA0147**  - Guide to Airport Innovation--Creating an Organizational Fit for the Future
- **DB021**  - Assessing and Mitigating Racial Disparities in the Enforcement of Pedestrian, Bicycle, and Micromobility Traffic-Related Laws
- **D1008**  - Rail Safety Innovations Deserving Exploratory Analysis (IDEA) Program Committee
- **STSB35**  - Customer Education and Awareness of On-Demand Mobility
- **TB47**  - Mobility Inclusion for Un(der)served Population with the Emerging Technologies
- **TJ04**  - Transit Innovations Deserving Exploratory Analysis (IDEA) Program Panel

**Councils**
- **A001C**  – Young Members Coordinating Council

**Recent and Upcoming Events**

**Upcoming Events**  – In the Upcoming Events tab under Types, choose what event you are interested in, search titles by keyword

- **Forum on Preparing for Automated Vehicles and Shared Mobility Services**
  *November 29, 2023*
  *Washington, D.C.*

- **TRB Webinar: Accessible Floating Bus Stops**
  *November 28, 2023*
  *Washington, D.C.*

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

- **National Aviation System Planning Symposium**
  *May 15-18, 2023*
  *Irving, CA*

- **Innovations in Travel Analysis and Planning Conference**
  *June 4-6, 2023*
  *Indianapolis, IN*
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 - The world's largest and most comprehensive bibliographic source on all modes and disciplines of transportation
- Transportation Research Thesaurus (TRT) – trt.trb.org – A tool to improve the indexing and retrieval of transportation information.
- Research in Progress (RiP) Database – rip.trb.org - Current or recently completed transportation research projects
- Publications Index (PubsIndex) Database – 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