TRB Snap Search: Demand Responsive & Innovative Transportation Services

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

Subject Webpages

- Public Transportation Research at TRB
- Passenger Transportation Research at TRB

Specialty Report

- 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)
  - Legal Research Digest 39 - Updated Survey of Laws and Regulations Applicable to Airport Commercial Ground Transportation
  - Report 231 - Evaluating the Traveler's Perspective to Improve the Airport Customer Experience

- National Cooperative Highway Research Program (NCHRP)
  - Report 952 - Guidebook for Managing Data from Emerging Technologies for Transportation

- 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)
  - Research Results Digest 115 - Use of Agency Service Agreements in ADA Paratransit Delivery
  - Report 231 - Recent Decline in Public Transportation Ridership: Analysis, Causes, and Responses
  - Report 230 - Transit and Micromobility
  - Report 224 - Guide to Joint Development for Public Transportation Agencies
  - 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
  - Web-Only Document 73 - Guide to Joint Development for Public Transportation Agencies: Appendices

- Transportation Research Circulars
Current & Upcoming Projects

- **Current Projects**
  - ACRP 01-48 - Assessing Airport Programs for Travelers with Disabilities and Older Adults
  - ACRP 01-43 - Update ACRP Report 26: Guidebook for Conducting Airport User Surveys
  - ACRP 03-52 - Airport Common Use Program Development Guidebook
  - ACRP 04-24 - Guidelines to Develop an Anti-Human Trafficking Action Plan for Airports
  - NCHRP 08-131 - Access to Jobs, Economic Opportunities, and Education in Rural Areas
  - NCHRP 08-133 - Implementing the National Intercity Bus Atlas
  - NCHRP 08-147 - Improving Public Transportation in Rural Areas and Tribal Communities
  - NCHRP 20-102(11) - Mobility-on-Demand and Automated Driving Systems: A Framework for Public-Sector Assessment
  - 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 79 - Program Management Insights for the 5310 Program (Including Sub-Grantee Consolidation and Urban 5310)
  - NCHRP 20-65/Task 78 - Impact of Decline in Volunteerism on Rural Transit Systems
  - NCHRP 20-123 - Support for AASHTO Committees and Councils
  - NCHRP 23-04 - Statewide Insurance Pooling for Public Transit
  - TCRP A-45 - Analysis of Fare Evasion Implications and Enforcement Approaches
  - TCRP A-46 - Quantitative Procedures for Designing and Operating Ferry Transit Services
  - TCRP A-43 - Recent Decline in Public Transportation Ridership: Analysis, Causes, Responses
  - TCRP B-47 - Mobility Inclusion for Un(der)served Population with the Emerging Technologies
  - 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 F-28 - Practitioner’s Guide to Bus Operator Workforce Management
  - 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 J-11/Task 37 - Transit and Micro-Mobility (Bikeshare, Scooter-share, etc.)
  - TCRP J-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-32 - Use of Agency Trip Agreements in ADA Paratransit Service Delivery
  - TCRP Synthesis J-07/Topic SB-34 - Coordination of Public Transit Services and Investments with Affordable Housing Policies
  - Transit IDEA J-04/IDEA 95 - Connected and Automated Parking Feasibility/MDOT MTA Dorsey Run Pilot Project
  - Transit IDEA J-04/IDEA 99 - Bike Love

- **Upcoming Projects**
  - 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 08-130 - Best Practices in Coordination of Public Transit and Ride Sharing
  - NCHRP 19-19 - Sustaining a Zero Fare Public Transportation Program in a Post COVID-19 World
  - NCHRP 23-13(01) - Telecommuting, Remote Work, and Hybrid Schedules: Managing the Shift to a Flexible Work Future
  - TCRP C-25 - Bus Operator Barrier Design
  - TCRP I-05/Topic 20-02 - Liability Insurance Issues for Transit Lawyers: A Primer
  - TCRP J-11/Task 42 - Maintaining Transportation Services for People With Disabilities, Paratransit, and Other Service Needs During a Pandemic
  - TCRP Synthesis J-07/Topic SB-35 - Customer Education and Awareness of On-Demand Mobility
o TCRP Synthesis J-07/Topic SB-36 - Dynamic Optimization on ADA Paratransit Service

Reports from the National Academies Press on Demand Responsive & Innovative Transportation Services

o Enhancing Federal Clean Energy Innovation
o The Future of Electric Power in the United States
o Materials Science and Engineering in a Post-Pandemic World: A DoD Perspective
o Data Analytics and What It Means to the Materials Community

Committees & Panels

Sign-up to be a committee "Friend"

TRB Standing Committees – Search by transportation mode and committee topic

o AEP50 - Transportation Demand Forecasting
o AJE30 - Transportation Asset Management
o AP000 - Public Transportation Group
o AP010 - Transit Management and Performance
o AP015 – Transit Capacity and Quality of Service
o AP020 – Innovative Public Transportation Services and Technologies
o AP025 – Public Transportation Planning and Development
o AP030 – Public Transportation Marketing and Fare Policy
o AP045 – Passenger Intermodal Facilities
o AP075 – Light Rail Transit
o AP080 - Transit Safety and Security
o AR050 - Railroad Infrastructure Design and Maintenance
o AR055 - Rural, Intercity Bus, and Specialized Transportation
o AR060 - Rail Transit Infrastructure Design and Maintenance
o AR065 - Rail Transit Systems

Task Forces - Search for task force under committee here

Policy Study

o B0085 - Transit Research Analysis Committee (TRAC)

CRP Panels

o D08130 - Best Practices in Coordination of Public Transit and Ride Sharing
o D08144 - Best Practices in Determining Rural Transit Fleet Size – How to provide service for changing demographics of rural ridership (Right-sizing of rural transit fleets)

o STSH20 - Innovative Practices for Transit Planning at Small- to Mid-Sized Agencies
o TG18 - Development of Open Data Standards for Demand Responsive Transportation Transactions
o TI1138 - Diversity and Inclusion Plans, Policies and Best Practices in the Transportation Industry

Councils

o 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.)

Transportation Infrastructure Innovations for Durability and Resilience (TriDurLE 2021)*
December 6-7, 2021
Online

TRB Virtual Careers in Motion Networking Fair
December 8, 2021
Online

Conference on Sustainability and Emerging Transportation Technology
March 15-18, 2022
Irvine, CA

TRANSED: Mobility, Accessibility, and Demand Response Transportation Conference
September 12, 2022
Online
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 - 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
- **Research Needs Statements (RNS)** – rns.trb.org - Research needs as identified by TRB Technical Activities standing committees
- **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