TRB Snap Search: Demand Responsive & Innovative Transportation Services

TRB's involvement in research on Demand Responsive & Innovative Transportation Services from 2019-2020

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](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](#)

Recent Reports & Publications

- **National Cooperative Highway Research Program (NCHRP)**
  - [Project 20-65 Task 73](#) – Best Practices and Marketing to Increase Rural Transit Ridership and Investment
  - [Report 932](#) - A Research Roadmap for Transportation and Public Health
  - [Report 924](#) - Foreseeing the Impact of Transformational Technologies on Land Use and Transportation

- **Transit Cooperative Research Program (TCRP)**
  - [IDEA Program](#) - Accomplishments of the Transit IDEA (Innovations Deserving Exploratory Analysis) Program
  - [Letter](#) - Transit Research Analysis Committee - April 22, 2019
  - [NCHRP 20-65/Task 77](#) - Lessons Learned and Impacts to Date of State DOT Implementation of New Federal Transit Asset Management and Public Transportation Agency Safety Requirements
  - [NCHRP 20-65/Task 76](#) - Opportunities for State DOTs (and Others) to Encourage Shared Use Mobility Practices in Rural Areas
  - [Report 212](#) - Stray Current Control of Direct Current-Powered Rail Transit Systems: A Guidebook
  - [Report 210](#) - Development of Transactional Data Specifications for Demand-Responsive Transportation
  - [Report 209](#) - Analysis of Recent Public Transit Ridership Trends
  - [Report 207](#) - Fast-Tracked: A Tactical Transit Study
  - [Report 204](#) - Partnerships Between Transit Agencies and Transportation Network Companies (TNCs)
  - [Synthesis 145](#) - Current Practices in the Use of Onboard Technologies to Avoid Transit Bus Incidents and Accidents
  - [Synthesis 144](#) - Multimodal Fare Payment Integration
  - [Synthesis 142](#) - Implementing the U.S. DOT Reasonable Modification Rule
  - [Synthesis 141](#) - Microtransit or General Public Demand–Response Transit Services: State of the Practice
  - [Synthesis 140](#) - Comprehensive Bus Network Redesigns
  - [Synthesis 138](#) - Public Transit Rider Origin–Destination Survey Methods and Technologies

- **Transportation Research Circulars**
  - [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

Updated 06/10/2020
Current & Upcoming Projects

- **Current Projects**
  - **ACRP 01-48** - Assessing Airport Programs for Travelers with Disabilities and Older Adults
  - **ACRP 03-52** - Airport Common Use Program Development Guidebook
  - **ACRP 01-43** - Update ACRP Report 26: Guidebook for Conducting Airport User Surveys
  - **ACRP 01-40** - Evaluating the Traveler's Perspective to Improve the Airport Customer Experience
  - **ACRP Synthesis 11-03/Topic S01-22** - Last Mile in General Aviation - Challenges with Courtesy Cars and other forms of Ground Transportation
  - **Consensus & Advisory Study** - The Role of Transit and Mobility Management in an Era of New and Expanding Shared Mobility Options
  - **NCHRP 03-131** - Guidance for Planning and Implementing Multimodal, Integrated Corridor Management
  - **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 20-07/Task 407** - Utility Coordination Efficiency, Safety, Cost, and Schedule Impacts using various Contracting Methods
  - **TCRP A-45** - Analysis of Fare Evasion Implications and Enforcement Approaches
  - **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 C-24** - Transit Traction Power Cables: Replacement Guidelines
  - **TCRP F-25** - Improving the Safety, Health, and Productivity of Transit Operators Through Adequate Restroom Access
  - **TCRP F-27** - Characteristics and Elements of Non-Punitive Employee Safety Reporting Systems for Public Transportation
  - **TCRP H-56** - Redesigning Public Transportation Networks for a New Mobility Future
  - **TCRP H-58** - Prioritization of Public Transportation Investments
  - **TCRP J-11/Task 37** - Transit and Micro-Mobility (Bikeshare, Scooter-share, etc.)
  - **TCRP Synthesis J-07/Topic SB-32** - Use of Agency Trip Agreements in ADA Paratransit Service Delivery
  - **TCRP Synthesis J-07/Topic SD-05** - Third Rail Insulator Failures- Current State of the Practice
  - **TCRP Synthesis J-07/Topic SG-17** - The Use and Practice of Intelligent Transportation Systems in Real-Time Headway Based Service Bus Operations
  - **Transit IDEA J-04/IDEA 95** - Connected and Automated Parking Feasibility/MDOT MTA Dorsey Run Pilot Project

- **Upcoming Projects**
  - **ACRP 11-08(20-02)** - ACRP Insight Event--On-Demand Aviation Services for Passengers and Goods
  - **NCHRP 08-147** - Design Guide for Rural Deviated Fixed Route Transit Systems
  - **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 08-131** - Access to Jobs, Economic Opportunities, and Education in Rural Areas
  - **NCHRP 08-133** - Development and Implementation of the National Intercity Bus Atlas (NIBA)
  - **NCHRP 20-102(23)** - Potential Impacts of Highly Automated Vehicles and Shared Mobility on Traveler Behavior
  - **NCHRP 23-04** - Statewide Insurance Pooling for Public Transit
  - **TCRP B-48** - The Provision of Alternative Services by Transit Agencies: The Intersection of Regulation and Program
  - **TCRP C-25** - Bus Driver Security Barrier Design--The Challenges and Solutions
Reports from the National Academies Press on Demand Responsive & Innovative Transportation Services

- Reducing Fuel Consumption and Greenhouse Gas Emissions of Medium- and Heavy-Duty Vehicles, Phase Two
- Innovations in the Food System - Exploring the Future of Food
- Adapting to the 21st Century Innovation Environment - Proceedings of a Workshop—in Brief
- Global Health Transitions and Sustainable Solutions - The Role of Partnerships: Proceedings of a Workshop

Committees & Panels

Sign-up to be a committee “Friend”

TRB Standing Committees – Search by transportation mode and committee topic

- **A003C** – City Transportation Issues Coordinating Council
- **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
- **AP075** – Light Rail Transit
- **AR050** – Railroad Infrastructure Design and Maintenance
- **AR055** – Rural, Intercity Bus, and Specialized Transportation
- **AR060** – Rail Transit Infrastructure Design and Maintenance
- **AR065** – Rail Transit Systems
- **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 Conferences - Left hand menu “upcoming conferences by topic”

(Conferences cosponsored by TRB are denoted with an asterisk.)

**TRB Transit Safety and Security Conference and APTA Mid-year Safety and Security Seminar**

*November 16, 2020*

*Washington, DC*

**24th National Conference on Rural Public and Intercity Bus Transportation**
Webinars – View upcoming webinars, suggest a webinar or add registration information

Past Webinars
  o Public Transportation
  o 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:

TRID – The world’s largest and most comprehensive bibliographic source on all modes and disciplines of transportation - trid.trb.org

Publications Index (PubsIndex) Database – The papers, articles and reports published by the Transportation Research Board, Highway Research Board, Strategic Highway Research Programs or the Marine Board - pubsindex.trb.org

Research in Progress (RiP) Database – Current or recently completed transportation research projects - rip.trb.org

Research Needs Statements (RNS) – Research needs as identified by TRB Technical Activities standing committees - rns.trb.org

Contact the Library at TRBLibrary@nas.edu or l (202) 334-2989