TRB Snap Search: Demand Responsive & Innovative Transportation Services

TRB’s involvement in research on Demand Responsive & Innovative Transportation Services from 2020-2021

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

Recent Reports & Publications

- National Cooperative Highway Research Program (NCHRP)
  - 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
  - Report 952 - Guidebook for Managing Data from Emerging Technologies for Transportation
  - Web-Only Document 287 - Planning and Implementing Multimodal, Integrated Corridor Management: Guidebook

- Transit Cooperative Research Program (TCRP)
  - TCRP H-56 - Redesigning Public Transportation Networks for a New Mobility Future
  - Report 218 - Characteristics and Elements of Non-Punitive Employee Safety Reporting Systems for Public Transportation
  - 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
  - Synthesis 145 - Current Practices in the Use of Onboard Technologies to Avoid Transit Bus Incidents and Accidents

- 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

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 01-40 - Evaluating the Traveler’s Perspective to Improve the Airport Customer Experience
  - ACRP 03-52 - Airport Common Use Program Development Guidebook
  - ACRP 04-24 - Guidelines to Develop an Anti-Human Trafficking Action Plan for Airports
  - ACRP Synthesis 11-03/Topic S01-22 - Last Mile in General Aviation - Challenges with Courtesy Cars and other forms of Ground Transportation

Updated 11/10/2020
- Consensus & Advisory Study - The Role of Transit and Mobility Management in an Era of New and Expanding Shared Mobility Options
- 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 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-25 - Improving the Safety, Health, and Productivity of Transit Operators Through Adequate Restroom Access
- TCRP H-58 - Transit Prioritization Scoring Methodology in Metropolitan Planning Organization Programming
- TCRP I-11/Task 37 - Transit and Micro-Mobility (Bikeshare, Scooter-share, etc.)
- 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 (PCI)
- 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
- 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 - Implementing the National Intercity Bus Atlas
- 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 A-46 - Quantitative Procedures for Designing and Operating Ferry Transit Services
- TCRP C-25 - Bus Driver Security Barrier Design--The Challenges and Solutions
- TCRP F-28 - Practitioner’s Guide to Bus Operator Workforce Management
- TCRP I-05/Topic 20-01 - Legal Issues in Transit Mega Projects--Case Studies
- TCRP I-05/Topic 20-02 - Liability Insurance Issues for Transit Lawyers: A Primer
- TCRP I-11/Task 39 - Evaluation Framework for Fare-free Public Transportation

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

- Leveraging Commercial and Other Innovation for Future U.S. Navy Data Warfare Needs
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

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
- 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
- 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

2021 NAEP Annual Conference and Training Symposium*
May 16, 2021
Phoenix, AZ

Research Day at ITF Annual Summit - Transport Innovation for Sustainable Development
May 26, 2021
Leipzig, Germany

TRB Conference on Planning Applications
June 21, 2021
Online

Geo-Extreme Conference*
August 15, 2021
Savannah, GA

24th National Conference on Rural Public and Intercity Bus Transportation
October 24, 2021
Charleston, South Carolina

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:

- 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