TRB Snap Search: Demand Responsive & Innovative Transportation Services

TRB’s involvement in research on Demand Responsive & Innovative Transportation Services from 2018-2020

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

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 two years.

Subject Webpages

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

Recent Reports & Publications

- **Airport Cooperative Research Program (ACRP)**
  - Synthesis 101 - Communication Strategies for Airport Passenger Access and Mobility
  - Synthesis 89 - Clean Vehicles, Fuels, and Practices for Airport Private Ground Transportation Providers

- **Consensus and Advisory Studies**
  - Committee Letter - Transit Research Analysis Committee: April 22, 2019
  - Committee Letter - Transit Research Analysis Committee: August 24, 2018
  - Committee Letter - Transit Research Analysis Committee: February 27, 2018

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

- **Transit Cooperative Research Program (TCRP)**
  - IDEA Report 85 - Location Aware Networks Optimizing Use of Transit Systems by Blind Travelers
  - Legal Research Digest 53 - Legal Considerations in Relationships Between Transit Agencies and Ridesourcing Service Providers
  - Report 209 - Analysis of Recent Public Transit Ridership Trends
  - Report 208 - Strategic Communications Toolkit to Improve Support for Transit-Priority Projects
  - Report 202 - Handbook for Examining the Effects of Non-Emergency Medical Transportation Brokerages on Transportation Coordination
  - Report 201 - Understanding Changes in Demographics, Preferences, and Markets for Public Transportation
  - Report 199 - Transit Technical Training, Volume 2: Guide to Overcoming Barriers to Implementing Best and Innovative Training
  - Report 197 - Tools for a Sustainable Transit Agency
  - Report 196 - Private Transit: Existing Services and Emerging Directions
  - Report 195 - Broadening Understanding of the Interplay Among Public Transit, Shared Mobility, and Personal Automobiles
  - Synthesis 142 - Implementing the U.S. DOT Reasonable Modification Rule

Updated 12/04/2019
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
Synthesis 135 - ADA Paratransit Service Models
Synthesis 133 - Administration of ADA Paratransit Eligibility Appeal Programs
Synthesis 132 - Public Transit and Bikesharing
Synthesis 131 - College Student Transit Pass Programs
Synthesis 130 - Battery Electric Buses—State of the Practice

Transportation Research Circulars
E-Circular 252 - TRB Forum on Preparing for Automated Vehicles and Shared Mobility: Mini-Workshop on the Transition Toward Shared Automated Vehicles
E-Circular 244 - Mobility on Demand: A Smart, Sustainable, and Equitable Future

Current & Upcoming Projects

Current Projects
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 20-112 - A Research Roadmap for Transportation and Public Health
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 20-65/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
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 Synthesis J-07/Topic SA-49 - Multi-Modal Fare Payment Integration
TCRP Synthesis J-07/Topic SA-44 - Comprehensive Bus Network Redesign
TCRP Synthesis J-07/Topic SB-32 - Use of Agency Trip Agreements in ADA Paratransit Service Delivery
TCRP Synthesis J-07/Topic SB-31 - Implementing the US DOT Reasonable Modification Rule
TCRP Synthesis J-07/Topic SD-05 - Third Rail Insulator Failures- Current State of the Practice
TCRP Synthesis J-07/Topic SF-21 - Attracting, Retaining and Advancing Women in Transit
TCRP Synthesis J-07/Topic SF-20 - Managing the Transit Scheduling Workforce
The Use and Practice of Intelligent Transportation Systems in Real-Time Headway Based Service Bus Operations

- TCRP Synthesis J-07/Topic SG-17
- TCRP Synthesis J-07/Topic SG-18
- TCRP Synthesis J-07/Topic SH-18
- TCRP Synthesis J-07/Topic SH-20
- Transit IDEA J-04/A
- Transit IDEA J-04/IDEA 95

- The Transit Analyst Toolbox: Analysis and Approaches for Reporting, Communicating, and Examining Transit Data
- Innovative Practices for Transit Planning at Small-to-Mid-Sized Agencies
- Plans for Tracking IDEAS and Developing Transit IDEA Marketing and Communications
- Connected and Automated Parking Feasibility/MDOT MTA Dorsey Run Pilot Project

Upcoming Projects

- ACRP 01-48
- ACRP 03-52
- ACRP 11-09(20-02)
- NCHRP 08-130
- NCHRP 08-133
- NCHRP 20-102(23)
- TCRP H-58
- TCRP J-05/Topic 19-02
- TCRP J-05/Topic 19-03
- TCRP J-11/Task 37

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

- 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
- Review of the Research Program of the U.S. DRIVE Partnership

Committees & Panels

- Sign-up to be a committee "Friend"

TRB Standing Committees – Search by transportation mode and committee topic

- ABE30 – Transportation Issues in Major Cities
- ABE60 – Accessible Transportation and Mobility
- AL020 – Transit and Intermodal Transportation Law
- ANB70 – Truck and Bus Safety
- AP000 – Public Transportation Group
- AP010 – Transit Management and Performance
- AP015 – Transit Capacity and Quality of Service
- AP020 – Emerging and Innovative Public Transport and Technologies
- AP025 – Public Transportation Planning and Development
- AP030 – Public Transportation Marketing and Fare Policy
- AP040 – Automated Transit Systems
- AP045 – Passenger Intermodal Facilities
- AP050 – Bus Transit Systems
- AP055 – Rural Public and Intercity Bus Transportation
- AP060 – Paratransit
- AP065 – Rail Transit Systems
- AP070 – Commuter Rail Transportation
- AP075 – Light Rail Transit
- AP085 – Ferry Transportation
- AR055 – Rail Transit Infrastructure

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
Recent and Upcoming Events

Upcoming Conferences - Left hand menu "upcoming conferences by topic"
(Conferences cosponsored by TRB are denoted with an asterisk.)

- **2020 Joint Rail Conference**
  April 20, 2020
  St. Louis, Missouri

- **Transport Research Arena 2020**
  April 27, 2020
  Helsinki, Finland

- **24th National Conference on Rural Public and Intercity Bus Transportation**
  October 18, 2020
  Charleston, South Carolina

- **TRB Transit Safety and Security Conference and APTA Mid-year Safety and Security Seminar**
  November 16, 2020
  Washington, DC

Webinars – View upcoming webinars, suggest a webinar or add registration information

Past Webinars
- Public Transportation
- 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