TRB Snap Search: Transit Innovations

TRB's involvement in research on Transit Innovations from 2019-2021

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](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 Transit Innovations within the past two years.

Specialty Report

- [Critical Issues in Transportation 2019](#)

Recent Reports & Publications

- [National Cooperative Highway Research Program (NCHRP)](#)
  - Report 952 - Guidebook for Managing Data from Emerging Technologies for Transportation
  - Report 932 - A Research Roadmap for Transportation and Public Health
  - Report 924 - Foreseeing the Impact of Transformational Technologies on Land Use and Transportation
  - Web-Only Document 287 - Planning and Implementing Multimodal, Integrated Corridor Management: Guidebook

- [Transit Cooperative Research Program (TCRP)](#)
  - Letter Report - Transit Research Analysis Committee: April 22, 2019
  - Program - Innovation in Action: Accomplishments of the Transit IDEA (Innovations Deserving Exploratory Analysis) Program
  - IDEA Report 94 - Evaluation of Transit Vehicle Brake Inspection through Ultrasonic Emissions Analysis
  - IDEA Report 90 - sUAS-based GeoINTEL1 for Commuter Rail Parking in Rural and Suburban Areas
  - IDEA Report 89 - Dynamic Vehicle to Infrastructure TCIP Communications Laboratory Proof of Concept
  - IDEA Report 88 - Evaluation of an Automatic, Individual Computer-Based Driver Education and Training Program
  - Report 224 - Guide to Joint Development for Public Transportation Agencies
  - Report 219 - Guidebook for Deploying Zero-Emission Transit Buses
  - 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
  - Synthesis 154 - Innovative Practices for Transit Planning at Small to Mid-Sized Agencies
  - Synthesis 145 - Current Practices in the Use of Onboard Technologies to Avoid Transit Bus Incidents and Accidents
  - Web-Only Document 73 - Guide to Joint Development for Public Transportation Agencies: Appendices

- [Transportation Research Circulars](#)
  - E-Circular 244 - Mobility on Demand: A Smart, Sustainable, and Equitable Future

Current & Upcoming Projects

- [Current Projects](#)
  - ACRP 01-40 - Evaluating the Traveler's Perspective to Improve the Airport Customer Experience
  - ACRP 01-43 - Update ACRP Report 26: Guidebook for Conducting Airport User Surveys
  - ACRP 01-48 - Assessing Airport Programs for Travelers with Disabilities and Older Adults
• **Upcoming Projects**
  - ACRP 03-52 - Guidelines for Adapting and Managing Airport Common Use Programs
  - ACRP 11-02/Task 41 - Toward a Touchless Airport Journey
  - NCHRP 20-65/Task 79 - Program Management Insights for the 5310 Program (Including Sub-Grantee Consolidation and Urban 5310)
  - NCHRP 20-65/Task 81 - Best Practices in Rural Service Assessment
  - TCRP A-46 - Quantitative Procedures for Designing and Operating Ferry Transit Services
  - TCRP B-47 - Impact of Transformational Technologies on Underserved Populations
  - TCRP B-48 - The Provision of Alternative Services by Transit Agencies: The Intersection of Regulation and Program
  - TCRP F-28 - Practitioner’s Guide to Bus Operator Workforce Management
  - TCRP H-58 - Prioritization of Public Transportation Investments
  - 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 I-05/Topic 20-01 - Legal Issues in Transit Mega Projects--Case Studies
  - Transit IDEA I-04/IDEA 91 - Comprehensive Wayfinding for All (CWAll)
  - Transit IDEA I-04/IDEA 97 - Open Platform to Attract, Organize, and Coordinate Volunteers for Rural and Small Urban Transit

• **Reports from the National Academies Press on Transit Innovations**
  - Exploring the Frontiers of Innovation to Tackle Microbial Threats
  - The Role of NIH in Drug Development Innovation and Its Impact on Patient Access
  - Leveraging Commercial and Other Innovation for Future U.S. Navy Data Warfare Needs
  - Value Proposition and Innovative Models for Multi-Sectoral Engagement in Global Health
  - A Quadrennial Review of the National Nanotechnology Initiative
  - Innovations in the Food System - Exploring the Future of Food
  - Adapting to the 21st Century Innovation Environment

**Committees & Panels**

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

**TRB Standing Committees** – Search by transportation mode and committee topic
  - AJE35 - Research Innovation Implementation
  - AP020 - Emerging and Innovative Public Transport and Technologies
  - AP025 - Public Transportation Planning and Development
  - AP045 - Passenger Intermodal Facilities
  - AP065 - Rail Transit Systems

**Policy Studies**
  - B0065 - Transit Research Analysis Committee (TRAC)

**CRP Panels**
  - TJ04 - Transit-innovations Deserving Exploratory Analysis (IDEA)
  - STSH20 - Innovative Practices for Transit Planning at Small- to Mid-Sized Agencies

**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 Conference on Transportation Planning Applications
June 21, 2021
online

How We Move Matters: Exploring the Connections between New Transportation and Mobility Options and Environmental Health
July 1, 2021
online

Bridging Transportation Researchers Online Conference*
August 5, 2021

National Conference on Transportation Asset Management
August 10, 2021
online

XXI Pan-American Conference of Transport and Logistics 2021*
August 11, 2021
online

National Conference on Rural Public and Intercity Bus Transportation
October 25, 2021
online

Geo-Extreme Conference*
November 7, 2021
Savannah, GA

13th Access Management Conference
July 1, 2022
online

International Conference on Mobility and Transport for Older Adults and People with Disabilities (TRANSED)
September 1, 2022
Seattle, WA

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

Past Webinars:
- Passenger Transportation
- Public 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