

TRB TRANSPORTATION RESEARCH BOARD

TRB Snap Search: Transit Innovations

TRB's involvement in research on Transit Innovations from 2020-2022

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 Transit Innovations within the past two years.

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

- [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 \(TCRP\)](#)
 - [IDEA Report 95](#) - Connected and Automated Parking Feasibility – A Pilot Study
 - [Report 227](#) - Prioritization of Public Transportation Investments: A Guide for Decision-Makers
 - [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](#)
 - [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 J-05/Topic 19-02](#) - Legal Issues and Emerging Technologies
- [TCRP J-05/Topic 19-03](#) - Navigating the Complexities of Sensitive Security Information (SSI) and Protected Critical Infrastructure Information (PCII)
- [TCRP J-05/Topic 20-01](#) - Legal Issues in Transit Mega Projects--Case Studies
- [TCRP J-11/Task 40](#) - Homelessness: A Guide for Public Transportation
- [Transit IDEA J-04/IDEA 91](#) - Comprehensive Wayfinding for All (CWall)
- [Transit IDEA J-04/IDEA 97](#) - Open Platform to Attract, Organize, and Coordinate Volunteers for Rural and Small Urban Transit
- [Upcoming Projects](#)
 - [NCHRP 08-130](#) - Best Practices in Coordination of Public Transit and Ride Sharing
 - [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)
 - [TCRP C-25](#) - Bus Operator Barrier Design
 - [TCRP D-19](#) - Phase II TCRP Project D-17 - Detecting and mitigating low level DC fault currents in transit systems thus eliminating electrical fires in tunnels and rights-of-way
 - [TCRP D-21](#) - Planning for the Future of Intermodal Passenger Facilities: Guide and Decision-Making Framework
 - [TCRP J-05/Topic 20-02](#) - Liability Insurance Issues for Transit Lawyers: A Primer

Reports from the [National Academies Press](#) on Transit Innovations

- [Enhancing Federal Clean Energy Innovation](#)
- [Learning from Rapid Response, Innovation, and Adaptation to the COVID-19 Crisis](#)
- [Information Technology Innovation - Resurgence, Confluence, and Continuing Impact](#)
- [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](#)

Committees & Panels

[Sign-up to be a committee "Friend"](#)

[TRB Standing Committees](#) – Search by transportation mode and committee topic

- [AIE35](#) - Research Innovation Implementation Management
- [AP020](#) - Emerging and Innovative Public Transport and Technologies
- [AP025](#) - Public Transportation Planning and Development
- [AP045](#) - Passenger Intermodal Facilities
- [AP065](#) - Rail Transit Systems

Policy Studies

- [B0085](#) - Transit Research Analysis Committee (TRAC)

CRP Panels

- [E1008](#) - Rail Safety Innovations Deserving Exploratory Analysis (IDEA)
- [TD21](#) - Planning for Innovation & Emerging Mobility Futures at Intermodal Passenger Facilities
- [TI04](#) - 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 Virtual Careers in Motion Networking Fair](#)

December 8, 2021

Washington, DC

[13th Access Management Conference](#)

July 1, 2022

Online

[TRANSED: Mobility, Accessibility, and Demand Response Transportation Conference](#)

September 12, 2022

Seattle, WA

[TRB Scenario Planning Conference](#)

September 19, 2022

Washington, D.C.

[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