



TRANSPORTATION RESEARCH BOARD

TRB Snap Search: Rail

TRB's involvement in research on Rail from 2017-2018

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

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 Rail within the past year.

Subject Webpage

- [Rail Research at TRB](#)

Recent Reports & Publications

- [National Cooperative Freight Research Program \(NCFRP\)](#)
 - [Report 38](#) - Guide for Conducting Benefit-Cost Analyses of Multimodal, Multijurisdictional Freight Corridor Investments
 - [Report 37](#) - Using Commodity Flow Survey Microdata and Other Establishment Data to Estimate the Generation of Freight, Freight Trips, and Service Trips: Guidebook
- [National Cooperative Highway Research Program \(NCHRP\)](#)
 - [Report 851](#) - Proposed AASHTO LRFD Bridge Design Specifications for Light Rail Transit Loads
 - [Synthesis 514](#) - Statewide and Megaregional Travel Forecasting Models: Freight and Passenger
 - [Synthesis 507](#) - Traffic Signal Preemption at Intersections Near Highway–Rail Grade Crossings
- [National Cooperative Rail Research Program \(NCRRP\)](#)
 - [Web-Only Document 4](#) - Inventory of State and Federal Passenger and Freight Rail Programs
- [Transit Cooperative Research Program \(TCRP\)](#)
 - [Report 189](#) - Manual to Improve Rail Transit Safety at Platform/Vehicle and Platform/Guideway Interfaces
 - [Synthesis 124](#) - Planning and Design for Fire and Smoke Incidents in Underground Passenger Rail Systems
- [TRB Special Reports](#)
 - [Report 325](#) - Safely Transporting Hazardous Liquids and Gases in a Changing U.S. Energy Landscape
- [Transportation Research Circulars](#)
 - [E-Circular 223](#) - Innovations in Freight Data
- [Transportation Research Record: Journal of the Transportation Research Board](#)
 - [Volume 2668](#) - Latest Urban Rail Demand Forecast Model System in the Tokyo Metropolitan Area
 - [Volume 2651](#) - Trip Generation Rates at Park-and-Ride Facilities with Regional Bus and Light Rail Service
 - [Volume 2650](#) - Comparison of Light Rail Streetcar Against Shared Autonomous Vehicle Fleet for Brooklyn–Queens Connector in New York City
 - [Volume 2649](#) - Train Overcrowding - Investigation of the Provision of Better Information to Mitigate the Issues
 - [Volume 2610](#) - Freight Systems, Vol. 2
 - [Volume 2609](#) - Freight Systems, Vol. 1
 - [Volume 2608](#) - Railroads, Vol. 2
 - [Volume 2607](#) - Railroads, Vol. 1

Current & Upcoming Projects

- [Current Projects](#)
 - [NCHRP 25-50](#) - Prioritization Procedure for Proposed Road-Rail Grade Separation Projects along Specific Rail Corridors
 - [NCHRP IDEA 20-30/IDEA 190](#) - Self-Deicing LED Signal for Railroad and Highway Intersections
 - [Safety IDEA Project 31](#) - Modeling and Validation of Standards for a Sleeper Compartment on Accessible Passenger Rail Vehicles
 - [Safety IDEA Project 34](#) - Prototype System for Managing Enterprise Rail Transport Risk for Hazmat
 - [TCRP A-40](#) - Manual to Improve Rail Transit Safety at Platform/Train and Platform/Guideway Interfaces
 - [TCRP D-07](#) - Joint Rail Transit Research with the Association of American Railroads/Transportation Technology Center, Inc.
 - [TCRP D-16](#) - Improving the Safety and Sustainability of Stray Current Control of DC-Powered Rail Transit Systems
 - [TCRP G-14](#) - Contracting Commuter Rail Services
 - [TCRP Synthesis J-07/Topic SD-05](#) - Third Rail Insulator Failures- Current State of the Practice
- [Upcoming Projects](#)
 - [ACRP 01-36](#) - Guidebook for Developing State Aviation System Plans
 - [ACRP 01-37](#) - Best Practices for State Aeronautics Division Performance Measures
 - [ACRP 01-38](#) - Fair Market Values at Small Airports
 - [ACRP 03-46](#) - Benefits and Challenges of Privatization: Guidance for Airport Policy-makers
 - [ACRP 06-05](#) - Handbook of Diversity and Inclusion Best Practices for Airports
 - [NCHRP 03-126](#) - Operational Standards for Highway Infrastructure
 - [NCHRP 03-128](#) - Business Intelligence for Transportation System Management and Operations and Agency Decision Making
 - [NCHRP 03-131](#) - Benefits and Best Practices in Implementing Decision Support Systems for Real-time Transportation Management
 - [NCHRP 20-102\(14\)](#) - Data Management Strategies for CV/AV Applications for Operations
 - [NCHRP 20-115](#) - Deploying Transportation Security Practices in State DOTs
 - [NCHRP 20-116](#) - Emergency Management in State Transportation Agencies
 - [NCHRP 25-47](#) - Strategies to Reduce Agency Costs and Improve Benefits Related to Highway Access Management

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

- [Improving Motor Carrier Safety Management](#)
- [Transportation of Laboratory Animals: Proceedings of a Workshop](#)

Committees & Panels

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

[Technical Activities Division Standing Committees](#) – Search by transportation mode and committee topic

- [AHB60](#) - Highway/Rail Grade Crossings
- [AP070](#) - Commuter Rail Transportation
- [AR000](#) - Rail Group
- [AR010](#) - Intercity Passenger Rail
- [AR020](#) - Passenger Rail Equipment and Systems Integration
- [AR030](#) - Railroad Operating Technologies
- [AR040](#) - Freight Rail Transportation
- [AR050](#) - Railroad Track Structure System Design
- [AR055](#) - Rail Transit Infrastructure
- [AR060](#) - Railway Maintenance
- [AR070](#) - Railroad Operational Safety
- [AT010](#) - Freight Transportation Economics and Regulation
- [AT020](#) - International Trade and Transportation
- [AT030](#) - Agricultural Transportation
- [AT035](#) - Military Transportation
- [AT040](#) - Transportation of Hazardous Materials
- [AT045](#) - Intermodal Freight Transport
- [AT050](#) - Intermodal Freight Terminal Design and Operations

[Task Forces](#) - Search for *task force* under committee here

CRP Panels

- [Project Panels Related to Rail](#)

Policy Study

- [B0137](#) - Evaluation of the Federal Railroad Administration Research and Development Program

Councils

- [A0040T](#) - Young Member Council

Recent and Upcoming Events

[Conferences \(co-sponsored by TRB\)](#) - Left hand menu “upcoming conferences by topic”

[2018 Planning for Shifting Trade Workshop*](#)

January 30-31, 2018

Tampa, Florida

[Transport Research Arena 2018*](#)

April 16-19, 2018

Vienna, Austria

[Road Safety on Five Continents \(RS5C\)*](#)

May 16-18, 2018

Jeju Island, South Korea

[I-TED 2018: International Transportation and Economic Development Conference](#)

June 6-8, 2018

Washington, D.C.

[7th International Conference on Innovations in Travel Modeling \(ITM\)](#)

June 24-27, 2018

Atlanta, Georgia

[12th National Conference on Transportation Asset Management](#)

July 14-17, 2018

San Diego, California

[12th Access Management Conference](#)

July 17-19, 2018

Madison, Wisconsin

[16th National Tools of the Trade Transportation Planning Conference](#)

August 22-24, 2018

Kansas City, Missouri

[Freight Fluidity Performance Measurements Implementation](#)

September 5-6, 2018

Washington, DC

[14th National Light Rail and Streetcar Conference](#)

October 21-23, 2018

Jersey City, New Jersey

[GeoMEast International Conference 2018: "Sustainable Civil Infrastructures: Structural Integrity"*](#)

November 24-28, 2018

Cairo, Egypt

[Innovations in Freight Data Workshop](#)

Spring 2019

Irvine, California

[Webinars](#) – View upcoming webinars, suggest a webinar or add registration information

TRB's Transportation Research Information Services (TRIS)

TRIS includes the [TRB Library](#) and the [TRIS Databases](#) (listed below) which are available for 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

Practice Ready Papers (PRP) Database - Papers with information that is ready for immediate implementation or requires minimal additional research or implementation effort - prp.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 1 (202) 334-2989