



TRANSPORTATION RESEARCH BOARD

## TRB Snap Search: Rail

### TRB's involvement in research on Rail from 2018-2019

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

- [Safety IDEA Program](#)
  - [Report 32](#) - Railroad Bridge Inspections for Maintenance and Replacement Prioritization Using Unmanned Aerial Vehicles (UAVs) with Laser Scanning Capabilities
  - [Report 31](#) - Modeling and Validation of Standards for a Sleeping Compartment on Accessible Passenger Rail Vehicles
- [Transit Cooperative Research Program \(TCRP\)](#)
  - [Report 200](#) - Contracting Commuter Rail Services, Volume 1: Guidebook
  - [Report 200](#) - Contracting Commuter Rail Services, Volume 2: Commuter Rail System Profiles
- [TRB Special Reports](#)
  - [Report 325](#) - Safely Transporting Hazardous Liquids and Gases in a Changing U.S. Energy Landscape

### Current & Upcoming Projects

- [Current Projects](#)
  - [NCHRP 03-131](#) - Benefits and Best Practices in Implementing Decision Support Systems for Real-time Transportation Management
  - [NCHRP 03-128](#) - Business Intelligence for Transportation System Management and Operations and Agency Decision Making
  - [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 34](#) - Prototype System for Managing Enterprise Rail Transport Risk for Hazmat
  - [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 Synthesis J-07/Topic SD-05](#) - Third Rail Insulator Failures- Current State of the Practice
  - [Transit IDEA J-04/IDEA 90](#) - sUAS-Based GeoINTEL for Commuter Rail Parking in Rural and Suburban Areas
- [Upcoming Projects](#)
  - [NCHRP 03-126](#) - Operational Standards for Highway Infrastructure
  - [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

- [TCRP E-27](#) - Characteristics and Elements of Non-Punitive Employee Safety Reporting Systems for Public Transportation

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

- [Achieving Rural Health Equity and Well-Being](#)
- [Understanding the Long-Term Evolution of the Coupled Natural-Human Coastal System](#)
- [Protecting the Health and Well-Being of Communities in a Changing Climate](#)

### 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

[Upcoming Conferences](#)- Left hand menu “upcoming conferences by topic”  
(*Conferences cosponsored by TRB are denoted with an asterisk.*)

**[2019 Planning for Shifting Trade Workshop\\*](#)**

January 30-31, 2019

Tampa, Florida

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

April 7-9, 2019

Jersey City, New Jersey

**[Innovations in Freight Data Workshop](#)**

April 9-10, 2019

Irvine, California

**[First International Conference on 3D Printing and Transportation](#)**

November 20-21, 2019

Washington, DC

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

## [Past Webinars](#)

- [Railroads](#)

## **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](http://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](http://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](http://pubsindex.trb.org)

**Research in Progress (RiP) Database** – Current or recently completed transportation research projects - [rip.trb.org](http://rip.trb.org)

**Research Needs Statements (RNS)** – Research needs as identified by TRB Technical Activities standing committees - [rns.trb.org](http://rns.trb.org)

Contact the Library at [TRBLibrary@nas.edu](mailto:TRBLibrary@nas.edu) or 1 (202) 334-2989