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- Click here to view search results on TRB published research Rail Safety Innovations within the past two years.

**Subject Webpage**
- Rail Research at TRB

**Specialty Reports**
- Critical Issues in Transportation 2019
- COVID-19 Addendum to Critical Issues in Transportation
- Racial Equity Addendum to Critical Issues in Transportation

**Recent Reports & Publications**
- IDEA Safety Projects
  - Report 36 - Onboard High-Bandwidth Fiber-Optic Sensing System for Broken Rail Detection
- Transit Cooperative Research Program (TCRP)
  - IDEA Report 95 - Connected and Automated Parking Feasibility – A Pilot Study
  - IDEA Report 92 - Augmented Reality Dispatcher Interface
  - Report 229 - Assessing and Mitigating Electrical Fires on Transit Vehicles
  - 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

**Current & Upcoming Projects**
- Current Projects
  - NCHRP 08-111 - Effective Decision-Making Methods for Freight-Efficient Land Use
  - TCRP A-46 - Quantitative Procedures for Designing and Operating Ferry Transit Services
  - TCRP J-05/Topic 19-03 - Navigating the Complexities of Sensitive Security Information (SSI) and Protected Critical Infrastructure Information (PCII)
  - TCRP Synthesis J-07/Topic SB-34 - Coordination of Public Transit Services and Investments with Affordable Housing Policies

- Upcoming Projects
  - NCHRP 08-156 - Planning for Innovative and Emerging Mobility Futures at Intermodal Passenger Facilities
  - NCHRP 08-158 - Communicating the Value, Interactions, and Impacts of Freight to Stakeholders
  - NCHRP 15-79 - Development of Guidance for Non-Standard Roadside Hardware Installations
- NCHRP 22-53 - Development of Guidance for Enhanced Delineation of Barriers and other Roadside Safety Hardware, Slopes, and Hazards
- 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 Innovation & Emerging Mobility Futures at Intermodal Passenger Facilities
- TCRP l-05/Topic 20-02 - Liability Insurance Issues for Transit Lawyers: A Primer

Reports from the National Academies Press on Safety Innovations

- Service Life Assessment and Predictive Modeling for an Aging Critical Infrastructure
- Engineering for Pandemics: Preparedness, Response, and Recovery
- The Future of Electric Power in the United States
- Exploring the Current Landscape of Consumer Genomics
- Compounded Topical Pain Creams - Review of Select Ingredients for Safety, Effectiveness, and Use
- Regulating Medicines in a Globalized World
- A Quadrennial Review of the National Nanotechnology Initiative
- Evidence-Based Practice for Public Health Emergency Preparedness and Response

Committees & Panels

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TRB Standing Committees – Search by transportation mode and committee topic

- AMR30 - Transportation for National Defense
- AP065 - Rail Transit Systems
- AR000 - Rail Group
- AR010 - Intercity Passenger Rail
- AR020 - Passenger Rail Transportation
- AR030 - Railroad Operating Technologies
- AR040 - Freight Rail Transportation
- AR050 - Railroad Infrastructure Design and Maintenance
- AR060 - Rail Transit Infrastructure Design and Maintenance
- AR070 - Rail Safety
- AR080 - Highway/Rail Grade Crossings
- AT010 - Freight Transportation Economics and Regulation
- AT020 - International Trade and Transportation
- AT030 - Agricultural and Food Transportation
- AT040 - Transportation of Hazardous Materials
- AT045 - Intermodal Freight Transport
- E1008 - Rail Safety Innovations Deserving Exploratory Analysis (IDEA)

Task Forces - Search for task force under committee here

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.)

11th International Conference on the Bearing Capacity of Roads, Railways, and Airfields*
June 28, 2022
Trondheim, Norway

TRANSED: Mobility, Accessibility, and Demand Response Transportation Conference
September 12, 2022
Online

TRB Scenario Planning Conference
September 19, 2022
Washington, DC

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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

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