



TRANSPORTATION RESEARCH BOARD

## TRB Snap Search: Risk Management

### TRB's involvement in research on Risk Management from 2021-2023

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 Risk Management within the past two years.

### Specialty Reports

- [Critical Issues in Transportation for 2024 and Beyond](#)
- [Critical Issues in Transportation 2019](#)
- [COVID-19 Addendum to Critical Issues in Transportation](#)
- [Racial Equity Addendum to Critical Issues in Transportation](#)

### Recent Reports & Publications

- [Airport Cooperative Research Program \(ACRP\)](#)
  - [Report 248](#) - Airport Insurance Requirements
- [Behavioral Traffic Safety Cooperative Research Program \(BTSCRCP\)](#)
  - [Web-Only Document 2](#) - Development of Research Problem Statements That Utilize Naturalistic Driving Data to Improve Teen Driving Safety
- [National Cooperative Highway Research Program \(NCHRP\)](#)
  - [Legal Research Digest 88](#) - Consequential Damages Provisions in Construction Contracts: Legal Issues
  - [Legal Research Digest 86](#) - Managing Enhanced Risk in the Mega Project Era
  - [Legal Research Digest 84](#) - Fix It, Sign It or Close It: State of Good Repair in an Era of Budget Constraints
  - [Report 1066](#) - Risk Assessment Techniques for Transportation Asset Management
  - [Report 1034](#) - Guidelines on Collaboration and Information Security for State DOTs
  - [Report 1025](#) - Contingency Factors to Account for Risk in Early Construction Cost Estimates for Transportation Infrastructure Projects
  - [Report 1014](#) - Developing a Highway Framework to Conduct an All-Hazards Risk and Resilience Analysis
  - [Report 996](#) - Selection and Placement Guidelines for Test Level 2 Through Test Level 5 Median Barriers
  - [Report 986](#) - Implementation of the AASHTO Guide for Enterprise Risk Management
  - [Report 985](#) - Integrating Effective Transportation Performance, Risk, and Asset Management Practices
  - [Report 979](#) - Systematic Approach for Determining Construction Contract Time: A Guidebook
  - [Report 972](#) - Development of Safety Performance-Based Guidelines for the Roadside Design Guide
  - [Web-Only Document 355](#) - Cybersecurity Issues and Protection Strategies for State Transportation Agency CEOs: Volume 2, Transportation Cyber Risk Guide
  - [Web-Only Document 355](#) - Cybersecurity Issues and Protection Strategies for State Transportation Agency CEOs: Volume 1: Project Summary Report
  - [Web-Only Document 307](#) - Recommended Guidelines for the Selection of Test Levels 2 Through 5 Bridge Railings

- [Special Reports / Consensus Studies](#)
  - [Options for Improving the Safety of DUKW Type Amphibious Vessels](#)
  - [Preparing for LNG by Rail Tank Car: A Readiness Review](#)
  - [Preparing for LNG by Rail Tank Car: A Review of a U.S. DOT Safety Research, Testing, and Analysis Initiative](#)
- [Transit Cooperative Research Program \(TCRP\)](#)
  - [IDEA Report 98](#) - Safety Assessment of the Interaction Between the Autonomous Shuttle Bus and Vulnerable Road Users
  - [IDEA Report 88](#) - Evaluation of an Automatic, Individual Computer-Based Driver Education and Training Program
  - [Legal Research Digest 57](#) - Fix It, Sign It or Close It: State of Good Repair in an Era of Budget Constraints
  - [Synthesis 157](#) - Transit Safety Risk Assessment Methodologies
- [Transportation Research Circulars](#)
  - [E-Circular 277](#) - 13th National Conference on Transportation Asset Management

## Current & Upcoming Projects

- [Current Projects](#)
  - [ACRP 01-39](#) - Creative Marketing Techniques to Improve Revenue Generation Partnerships
  - [ACRP 02-92](#) - Creating Self-Directed Resiliency Plans at GA Airports
  - [ACRP 02-93](#) - Guidebook for PFAS Management at Airports
  - [ACRP 02-97](#) - Update to the Guidelines, Tools, and Resources Related to ACRP Reports 11, 147, and 160
  - [ACRP 05-03](#) - Guidebook on Airport Cybersecurity and Incident Response
  - [BTSCRPT BTS-19](#) - Moped and Motor Scooter (50 cc or less) Safety: Issues and Countermeasures
  - [BTSCRPT BTS-28](#) - Teen Driving Performance Associated with Distraction, ADHD, and Other Risk Factors
  - [NCHRP 08-51](#) - Risk Management at State DOTs: Building Momentum and Sustaining the Practice
  - [NCHRP 23-15](#) - Guidance on Risks Related to Emerging and Disruptive Transportation Technologies
  - [NCHRP 23-22](#) - Alternative Project Delivery Methods: Assessing and Allocating Risk to Increase Competition
  - [NCHRP 23-24](#) - Methods to Allow Agencies to Incorporate Quantitative Risk Assessment at Project and Network Level
  - [TCRP A-48](#) - Mitigation Strategies for Deterring Transit Assaults
  - [TCRP F-30](#) - Guide for Protecting Transportation Employees and the Traveling Public from Airborne Diseases
- [Upcoming Projects](#)
  - [NCHRP 19-24](#) - Guide for Implementing Price Escalation to Balance Risk Sharing in DOT Construction Projects
  - [NCHRP 23-25](#) - Developing New Performance Metrics for Risk Management
  - [NCHRP 23-32](#) - Transportation Asset Risk and Resilience
  - [TCRP E-14](#) - Lithium-Ion Battery Transit Bus Fire Prevention and Risk Management
  - [TCRP J-05/Topic 19-04](#) - Transit Sponsor and Contractor Delay Damages and Remedies Due to Third Parties - Transit Facility Improvements-Common Legal Issues and Solutions
  - [TCRP J-05/Topic 20-02](#) - Liability Insurance Issues for Transit Lawyers: A Primer

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

- [Advancing Understanding of Offshore Oil and Gas Systemic Risk in the U.S. Gulf of Mexico](#)
- [Research with Pregnant and Lactating Persons: Mitigating Risk and Liability: Proceedings of a Workshop—in Brief](#)
- [Risk Analysis Methods for Nuclear War and Nuclear Terrorism](#)
- [Program Evaluation Report Card Tool for Wildlife Hazard Management Plans: User Guide](#)
- [Building Confidence in New Evidence Streams for Human Health Risk Assessment](#)
- [Foreign-Funded Language and Culture Institutes at U.S. Institutions of Higher Education: Practices to Assess and Mitigate Risk](#)
- [Advancing Progress in Cancer Prevention and Risk Reduction: Proceedings of a Workshop](#)
- [Evaluation of the Transport Airplane Risk Assessment Methodology](#)

## Committees & Panels

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

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

- [ACH60](#) - Standing Committee on Vehicle User Education, Training, and Licensing
- [AED30](#) - Standing Committee on Information Systems and Technology
- [A1L40](#) - Standing Committee on Emerging Technology Law
- [A1L70](#) - Standing Committee on Tort Liability and Risk Management

- [AKG60](#) - Standing Committee on Geotechnical Instrumentation and Modeling
- [AKT50](#) - Standing Committee on Bridge and Structures Management
- [AMR10](#) - Standing Committee on Critical Transportation Infrastructure Protection
- [AP080](#) - Standing Committee on Transit Safety and Security
- [AT040](#) - Standing Committee on Transportation of Hazardous Materials

#### CRP Panels

- [D08118](#) - Risk Assessment Techniques for Transportation Asset Management
- [D08139](#) - Guide for Preventing and Mitigating the Risk of Bridge and Tunnel Strikes by Motor Vehicles
- [D08151](#) - Risk Management at State DOTs: Building Momentum and Sustaining the Practice
- [D10136](#) - Right-of-Way and Utility Risk Identification and Management
- [D12115](#) - Guidelines for Risk-Based Inspection and Strength Evaluation of Suspension Bridge Main Cable Systems
- [D1924](#) - Guide for Implementing Price Escalation to Balance Risk Sharing in DOT Construction Projects
- [D2007416](#) - Alternative Technologies for Mitigating the Risk of Injuries and Deaths in the Work Zone
- [D2315](#) - Guidance on Risks Related to Emerging and Disruptive Transportation Technologies
- [D2322](#) - Increasing Competition on Projects Delivered by Alternative Methods by Defining and Assessing Contractual Risk Profiles
- [D2335](#) - Developing New Performance Metrics for Risk Management
- [D2337](#) - Guide for Effectively Linking Performance Measures, Risk Management, and Process Improvement
- [D2338](#) - Incorporating Risk Management into Maintenance Practice
- [DA0369](#) - Identifying Congestion and Safety Risks Due to Heterogeneous Airport Curbside Activity and Remedial Solutions
- [DB028](#) - Teen Driving Performance Associated with Distraction, ADHD, and Other Risk Factors
- [E1008](#) - Rail Safety Innovations Deserving Exploratory Analysis (IDEA) Program Committee
- [TE14](#) - Lithium-Ion Battery Transit Bus Fire Prevention and Risk Management

#### 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.)

##### [Transportation Resilience](#)

November 13-15, 2023

Washington, D.C.

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

##### [Past Webinars](#)

##### [Climate-Resilient, Low-Volume Road Design and Management](#)

August 7, 2023

#### 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](http://trid.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](https://rns.trb.org)

**Snap Searches** - Formerly called 'Overview Guides,' Snap Searches provide a succinct summary of activities in TRB on a given topic including: upcoming events such as conferences and webinars; names of Committees working on relevant issues; and a list of recent reports from TRB and The National Academies - [www.trb.org/InformationServices/Snap.aspx](https://www.trb.org/InformationServices/Snap.aspx)

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