



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 2019](#)
- [Lifecycle BIM for Infrastructure: A Business Case for Project Delivery and Asset Management](#)
- [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 \(BTSCR\)](#)
 - [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
- [BTSCRPTBS-19](#) - Moped and Motor Scooter (50 cc or less) Safety: Issues and Countermeasures
- [BTSCRPTBS-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
- [AJL40](#) - Standing Committee on Emerging Technology Law
- [AJL70](#) - 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](#)

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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 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

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

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

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