

TRB TRANSPORTATION RESEARCH BOARD

TRB Snap Search: Security & Emergencies

TRB's involvement in research on Security & Emergencies from 2020-2022

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 Security & Emergencies within the past two years.

Subject Webpages

- [Security & Emergencies Research at TRB](#)
- [Transportation in the Face of Communicable Disease](#)

Specialty Report

- [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 233](#) - Airport Biometrics: A Primer
 - [Synthesis 115](#) - Practices in Airport Emergency Plans
 - [Synthesis 109](#) - Escalator Falls
 - [Synthesis 107](#) - Models for Law Enforcement at Airports
 - [Synthesis 106](#) - Airport Risk Identification and Prioritization Practices
 - [Synthesis 99](#) - Emergency Working Groups at Airports
 - [Synthesis 95](#) - Airport Incident Reporting Practices
 - [Web-Only Document 50](#) - Research Roadmap on Safety Issues
 - [Web Resource 9](#) - Airport Emergency Plan Development Tool
 - [Web Resource 8](#) - Integrating Social Media with Emergency Management at Airports
- [National Cooperative Highway Research Program \(NCHRP\)](#)
 - [NCHRP 03-127](#) - Cybersecurity of Traffic Management Systems
 - [Report 976](#) - Resilience Primer for Transportation Executives
 - [Report 975](#) - Transportation System Resilience: Research Roadmap and White Papers
 - [Report 970](#) - Mainstreaming System Resilience Concepts into Transportation Agencies: A Guide
 - [Report 963](#) - A Pandemic Playbook for Transportation Agencies
 - [Report 938](#) - Incorporating the Costs and Benefits of Adaptation Measures in Preparation for Extreme Weather Events and Climate Change—Guidebook
 - [Report 931](#) - A Guide to Emergency Management at State Transportation Agencies
 - [Report 930](#) - Security 101: A Physical and Cybersecurity Primer for Transportation Agencies
 - [Synthesis 573](#) - Practices for Integrated Flood Prediction and Response Systems

- [Synthesis 556](#) - Asset Management Approaches to Identifying and Evaluating Assets Damaged Due to Emergency Events
- [Web-Only Document 297](#) - Developing a Guide to Emergency Management at State Transportation Agencies
- [Web-Only Document 293](#) - Deploying Transportation Resilience Practices in State DOTs
- [Web-Only Document 271](#) - Guidelines to Incorporate the Costs and Benefits of Adaptation Measures in Preparation for Extreme Weather Events and Climate Change
- [Web-Only Document 266](#) - Developing a Physical and Cyber Security Primer for Transportation Agencies
- [Special Reports](#)
 - [Report 340](#) - Investing in Transportation Resilience: A Framework for Informed Choices
- [Transit Cooperative Research Program \(TCRP\)](#)
 - [Report 229](#) - Assessing and Mitigating Electrical Fires on Transit Vehicles
 - [Synthesis 146](#) - Transit Security Preparedness
- [Transportation Research Circulars](#)
 - [E-Circular 268](#) - Insights, Inclusion, and Impact: Framing the Future for Women in Transportation
 - [E-Circular 267](#) - Summary of Transportation Research Needs Related to COVID-19
 - [E-Circular 265](#) - Transportation Resilience 2019: 2nd International Conference on Resilience to Natural Hazards and Extreme Weather

Current & Upcoming Projects

- [Current Projects](#)
 - [ACRP 01-41](#) - Airport Blockchain Implementation Guidebook
 - [ACRP 02-92](#) - Creating Self-Directed Resiliency Plans at GA Airports
 - [ACRP 02-93](#) - Guidebook for Environmental Management of PFAS at Airports
 - [ACRP 03-57](#) - A Guidebook to Prepare Airports for Transformations in Wireless Connectivity
 - [ACRP 03-60](#) - Incorporating Shock Events into Traffic and Forecasting and Airport Planning
 - [ACRP 04-24](#) - Guidelines to Develop an Anti-Human Trafficking Action Plan for Airports
 - [ACRP 04-25](#) - Airports and Communicable Diseases—Preparedness and Response
 - [ACRP 10-28](#) - Practical Guide for Integrating Crisis Management and Business Continuity
 - [ACRP 10-29](#) - Aircraft Jet Blast Estimation Tool
 - [ACRP 10-30](#) - Evaluating the Effectiveness of an Airport's Wildlife Hazard Management Program
 - [ACRP Synthesis 11-03/Topic S04-26](#) - Managing an Emergency or Incident Associated with Flight Diversion at Airports
 - [NCHRP 02-26](#) - Implementation of Life-Cycle Planning Analysis in a Transportation Asset Management Framework
 - [NCHRP 03-129](#) - Essential Communications
 - [NCHRP 08-107](#) - A Guidebook for Emergency Contracting Procedures for Administration of a Regional Emergency
 - [NCHRP 08-129](#) - Incorporating Resilience Concepts and Strategies in Transportation Planning Efforts
 - [NCHRP 10-102](#) - A Guidebook for Risk-Based Construction Inspection
 - [NCHRP 15-71](#) - Contingency Factors to Account for Risk in Early Construction Cost Estimates for Transportation Infrastructure Projects
 - [NCHRP 15-80](#) - Design Guidance and Standards for Resilience
 - [NCHRP 17-46](#) - Comprehensive Analysis Framework for Safety Investment Decisions
 - [NCHRP 20-06/Topic 25-03](#) - Managing Enhanced Risk in the Mega Project Era
 - [NCHRP 20-07/Task 239](#) - Identification and Delineation of Incident Management and Multi-Agency Emergency Response Functions
 - [NCHRP 20-44\(02\)](#) - Implementation of the AASHTO Guide for Enterprise Risk Management
 - [NCHRP 20-59](#) - Surface Transportation Security and Resilience Research
 - [NCHRP 20-59\(55\)](#) - Transportation System Resilience: CEO Primer & Engagement
 - [NCHRP 20-116](#) - Emergency Management in State Transportation Agencies
 - [NCHRP 20-123\(04\)](#) - Development of a Risk Management Strategic Plan and a Research Roadmap
 - [NCHRP 20-124](#) - Deploying Transportation Security Practices in State DOTs
 - [NCHRP 20-125](#) - Strategies for Incorporating Resilience into Transportation Networks
 - [NCHRP 20-127](#) - Business Case and Communications Strategies for State DOT Resilience Efforts
 - [NCHRP 20-128](#) - Emergency Response: Organizational and Operational Models Used by State DOTs
 - [NCHRP 23-09](#) - Scoping Study to Develop the Basis for a Highway Standard to Conduct an All-Hazards Risk and Resilience Analysis
 - [NCHRP Synthesis 20-05/Topic 52-18](#) - Design Practices for Rock Slopes and Rockfall Management
 - [TCRP J-05/Topic 19-02](#) - Legal Issues and Emerging Technologies

- [TCRP J-05/Topic 19-03](#) - Navigating the Complexities of Sensitive Security Information (SSI) and Protected Critical Infrastructure Information (PCII)
- [Upcoming Projects](#)
 - [ACRP 03-68](#) - Integrated Contingency Planning for Small and Non-Hub Airports
 - [ACRP 04-26](#) - Uncontrolled Terminal Evacuations: Planning, Response, and Recovery
 - [ACRP 04-29](#) - Transportation Emergency Response Application (TERA): Migration Options Beyond 2020
 - [ACRP 05-03](#) - Mitigating and Responding to Airport Cybersecurity Events
 - [ACRP 11-01/Topic 14-01](#) - Legal Considerations for Airports Responding to Pandemics
 - [NCHRP 08-146](#) - Integrating Resiliency into Transportation System Operations
 - [NCHRP 14-45](#) - Guidelines for Response Planning, Assessment, and Rapid Restoration of Service of Bridges in Extreme Events
 - [NCHRP 20-06/Topic 26-04](#) - Pandemics and Contractual Issues
 - [NCHRP 20-102\(16\)](#) - Impacts of Connected, Automated Vehicle Technologies on Traffic Incident Management Response
 - [NCHRP 23-11](#) - Transportation Emergency Management/Security Summit and Exchange
 - [NCHRP 23-13](#) - Transportation Research Related to COVID-19
 - [NCHRP 23-13\(03\)](#) - Guidance for State DOTs on Truck Rest and Service Areas for Critical Supply Chain Delivery
 - [NCHRP 23-13\(04\)](#) - Scoping Supply Chain Challenges and Solutions amid COVID-19
 - [NCHRP 23-13\(05\)](#) - Regulatory Relief of Commercial Vehicle Weight Requirements for Emergency Transportation of Critical Commodities
 - [NCHRP 23-13\(06\)](#) - Assessing the Equity and Workforce Mobility Implications of the Expansion of E-commerce and Direct-to-Consumer Delivery Services
 - [NCHRP 23-15](#) - Guidance on Risks Related to Emerging and Disruptive Transportation Technologies
 - [NCHRP 23-24](#) - Develop Methods to Allow Agencies to Incorporate Quantitative Risk Assessment at Project and Network Level
 - [NCHRP Synthesis 20-05/Topic 53-03](#) - Practices Leveraging Social Media Data for Emergency Preparedness and Response
 - [TCRP A-36A](#) - Transportation Emergency Response Application (TERA): Migration Options Beyond 2020
 - [TCRP F-30](#) - Guide for Protecting Transportation Employees and the Traveling Public from Airborne Diseases
 - [TCRP H-60](#) - Lessons Learned from Covid-19: Strategies to Enhance Racial and Social Equity through Public Transportation as a Community Lifeline
 - [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 19-05](#) - Legal Issues Surrounding Disasters and Evacuations
 - [TCRP J-11/Task 42](#) - Transportation Services for People with Disabilities and Older Adults during a Pandemic and Other Emergencies: Lessons Learned during the COVID-19 Pandemic
 - [TCRP Synthesis J-07/Topic SH-23](#) - Partnerships for Equitable Pandemic Response and Recovery

Reports from the [National Academies Press](#) on Security & Emergencies

- [Coronavirus Resources Collection](#)
- [Pandemic Resources Collection](#)
- [Conflict and Security Issues Collection](#)
- [Earthquakes, Floods and Natural Disasters Collection](#)
- [Forum on Medical and Public Health Preparedness for Disasters and Emergencies](#)
- [Crisis Standards of Care - Ten Years of Successes and Challenges](#)
- [Globally Resilient Supply Chains for Seasonal and Pandemic Influenza Vaccines](#)
- [Exploring Disaster Human Services for Children and Youth](#)
- [Plasma Science - Enabling Technology, Sustainability, Security, and Exploration](#)
- [Nuclear Proliferation and Arms Control Monitoring, Detection, and Verification](#)
- [The Security of America's Medical Product Supply Chain](#)
- [Regional Ballistic Missile Defense in the Context of Strategic Stability](#)
- [Communications, Cyber Resilience, and the Future of the U.S. Electric Power System](#)
- [Plasma Science - Enabling Technology, Sustainability, Security, and Exploration](#)
- [Evidence-Based Practice for Public Health Emergency Preparedness and Response](#)
- [Understanding and Responding to Global Health Security Risks from Microbial Threats in the Arctic](#)
- [Strengthening Post-Hurricane Supply Chain Resilience](#)
- [A Framework for Assessing Mortality and Morbidity After Large-Scale Disasters](#)
- [Emerging Technology Intersections and Partnerships for Counterproliferation](#)
- [A Strategic Vision for Biological Threat Reduction](#)

Committees & Panels

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

TRB Standing Committees – Search by transportation mode and committee topic

- [AMR10](#) – Critical Transportation Infrastructure Protection
- [AMR20](#) – Logistics of Disaster Response and Business Continuity
- [AMR40](#) - Systems, Enterprise, and Cyber Resilience
- [AT040](#) – Transportation of Hazardous Materials
- [AV090](#) – Aviation Security and Emergency Management
- [AV095](#) - New Users of Shared Airspace

Task Forces - Search for *task force* under committee here

Councils

- [A001C](#) – Young Members Coordinating Council

Panels

- [CRP Panels Related to Security & Emergencies](#)

Recent and Upcoming Events

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

[Accelerated Bridge Construction Conference*](#)

December 8, 2021

online

[TRB Virtual Careers in Motion Networking Fair](#)

December 8, 2021

online

[American Society of Civil Engineers \(ASCE\) Geo-Congress 2022*](#)

March 20, 2022

Charlotte, NC

[18th Biennial National Harbor Safety Committee Conference](#)

June 13, 2022

Boston, MA

[TRANSED: Mobility, Accessibility, and Demand Response Transportation Conference](#)

September 12, 2022

online

[TRB Scenario Planning Conference - abstracts accepted through December 17](#)

September 19, 2022

Washington, D.C.

Upcoming Events – In the Upcoming Events tab under Types, choose what event you are interested in, search titles by keyword

Past Events - In the Past Events tab under Types, choose what event you are interested in, search titles by keyword

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

Contact or Questions: TRBLibrary@nas.edu