TRB Snap Search: Security & Emergencies

TRB's involvement in research on Security & Emergencies 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](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.

Specialty Report

- [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)](#)
  - [Legal Research Digest 44 - Airports Responding to Public Health Emergencies: Legal Considerations](#)
  - [Report 253 - Airport Lessons Learned from the COVID-19 Pandemic](#)
  - [Report 233 - Airport Biometrics: A Primer](#)
  - [Synthesis 126 - Impacts of COVID-19 on Airport Work Models and Strategies](#)
  - [Synthesis 121 - Managing a Flight Diversion with an Emergency Response at Small, Non-Hub, or General Aviation Airports](#)
  - [Synthesis 115 - Practices in Airport Emergency Plans](#)
  - [Web-Only Document 52 - Command-Level Decision Making for Transportation Emergency Managers](#)

- [National Cooperative Highway Research Program (NCHRP)](#)
  - [NCHRP 17-46 - Comprehensive Analysis Framework for Safety Investment Decisions](#)
  - [NCHRP 20-123(04) - Development of a Risk Management Strategic Plan and a Research Roadmap](#)
  - [Report 1065 - Life-Cycle Planning Analysis in a Transportation Asset Management Framework](#)
  - [Report 1034 - Guidelines on Collaboration and Information Security for State DOTs](#)
  - [Report 1014 - Developing a Highway Framework to Conduct an All-Hazards Risk and Resilience Analysis](#)
  - [Report 976 - Resilience Primer for Transportation Executives](#)
  - [Report 975 - Transportation System Resilience: Research Roadmap and White Papers](#)
  - [Report 963 - A Pandemic Playbook for Transportation Agencies](#)
  - [Synthesis 610 - Leveraging Social Media Data for Emergency Preparedness and Response](#)
  - [Synthesis 607 - Critical Findings for Tunnel Functional Systems](#)
  - [Web-Only Document 378 - Emergency Response: Organizational and Operational Models Used by State DOTs](#)
  - [Web-Only Document 365 - Implementation of Life-Cycle Planning Analysis in a Transportation Asset Management Framework](#)
Web-Only Document 321 - Command-Level Decision Making for Transportation Emergency Managers
Web-Only Document 293 - Deploying Transportation Resilience Practices in State DOTs

Special Reports

Transit Cooperative Research Program (TCRP)
- Legal Research Digest 59 - Legal Issues and Emerging Technologies
- Report 243 - Transportation for People with Disabilities and Older Adults During COVID-19: Lessons for Emergency Response
- Report 233 - Strategies for Deterring Trespassing on Rail Transit and Commuter Rail Rights-of-Way, Volume 1: Guidebook
- Report 233 - Strategies for Deterring Trespassing on Rail Transit and Commuter Rail Rights-of-Way, Volume 2: Research Overview
- Report 229 - Assessing and Mitigating Electrical Fires on Transit Vehicles
- Report 225 - A Pandemic Playbook for Transportation Agencies
- Synthesis 167 - Partnerships for Equitable Pandemic Response and Recovery
- Synthesis 158 - Cybersecurity in Transit Systems
- Synthesis 157 - Transit Safety Risk Assessment Methodologies
- Web-Only Document 75 - Command-Level Decision Making for Transportation Emergency Managers

Transportation Research Circulars
- E-Circular 285 - Workshop on Building More Resilient Supply Chains
- E-Circular 275 - Measuring and Managing Freight Resilience Workshop

Recently Completed Projects/Final Reports/Pending Publication
- NCHRP 20-127 - Business Case and Communications Strategies for State DOT Resilience Efforts
- NCHRP 20-125 - Strategies for Incorporating Resilience into Transportation Networks
- NCHRP 20-124 - Deploying Transportation Security Practices in State DOTs
- NCHRP 08-107 - Contracting Strategies Guidebook for the Administration of Concurrent, Regional Emergencies and Disasters [Final Report]
- NCHRP 08-107 - Contracting Strategies Guidebook for the Administration of Concurrent, Regional Emergencies and Disasters [Guidebook]
- NCHRP 08-107 - Contracting Strategies Guidebook for the Administration of Concurrent, Regional Emergencies and Disasters [Report and Guidebook Appendices]
- NCHRP 03-129 - Essential Communications: A Guide to Land Mobile Radio (LMR)
- TCRP J-11/Task 42 - Transportation Services for People with Disabilities and Older Adults during COVID-19: Lessons for Emergency Response

Current & Upcoming Projects

Current Projects
- ACRP 01-41 - Airport Blockchain Implementation Guidebook
- ACRP 01-50 - Data Protection and Privacy Management Guidelines for Airports
- ACRP 02-92 - Creating Self-Directed Resiliency Plans at GA Airports
- ACRP 02-93 - Guidebook for PFAS Management at Airports
- ACRP 03-60 - Incorporating Shock Events into Aviation Demand Forecasting and Airport Planning
- ACRP 03-68 - Integration of Contingency Planning for Small Airports
- ACRP 04-25 - Airports and Communicable Diseases—Preparedness and Response
- ACRP 04-26 - Uncontrolled Terminal Evacuations: Planning, Response, and Recovery
- ACRP 04-30 - Identifying and Developing the Core Capabilities of an Airport Emergency Management Program
- ACRP 04-31 - Providing Adequate and Balanced Trainer Facilities for Required and Recurrent Training for Airport Firefighters
- ACRP 04-32 - Using Existing and Emerging Technologies to Identify and Mitigate Human Trafficking at Airports
- ACRP 04-34 - A Guide for Building, Maintaining, and Improving ARFF Programs
- ACRP 05-03 - Guidebook on Airport Cybersecurity and Incident Response
• **ACRP 10-29** - Aircraft Jet Blast Estimation Tool
• **ACRP 11-01/Topic 15-02** - Legal Issues Concerning the Safety and Security of General Aviation Airports
• **ACRP 11-02/Task 44** - Developing an Airport Communicable Disease Response Plan Template
• **ACRP 11-08(24-01)** - ACRP Insight Event--Modernization of FIS Facilities at International Airports
• **ACRP 11-08(24-02)** - ACRP Insight Event - Improving Extreme Weather Resiliency of Airport Infrastructure
• **ACRP Synthesis 11-03/Topic S01-26** - The Landscape of the FBO Industry in 2022
• **ACRP Synthesis 11-03/Topic S06-07** - Impacts of COVID to Airport Work Models and Strategies
• **ACRP Synthesis 11-08(24-01)** - Identifying Military Resources and Strategies to Improve Civilian Airport Resiliency
• **NCHRP 08-146** - Integrating Resiliency into Transportation System Operations
• **NCHRP 12-125** - Earthquake-Induced Bridge Displacements
• **NCHRP 14-45** - Guidelines for Response Planning, Assessment, and Rapid Restoration of Service of Bridges in Extreme Events
• **NCHRP 15-80** - Design Guidance and Standards for Resilience
• **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 and Security Summit and Exchange
• **NCHRP 23-13** - Transportation Research Related to COVID-19
• **NCHRP 23-13(03)** - Guide on Truck Rest and Service Areas for Critical Supply Chain Delivery
• **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** - Methods to Allow Agencies to Incorporate Quantitative Risk Assessment at Project and Network Level
• **NCHRP 23-26** - Measuring Impacts and Performance of State DOT Resilience Efforts
• **NCHRP 23-32** - Transportation Asset Risk and Resilience
• **NCHRP 23-33** - Managed Retreat To Address Extreme Weather, Natural Hazards, and Climate Impacts
• **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 I-05/Topic 19-03** - Navigating the Complexities of Sensitive Security Information (SSI) and Protected Critical Infrastructure Information (PCI)
• **TCRP I-05/Topic 19-05** - Legal Issues Surrounding Disasters and Evacuations
• **TCRP Synthesis J-07/Topic SA-62** - Planning and Operations Initiatives to Support Nighttime Off-Peak Transit Ridership
• **TCRP Synthesis J-07/Topic SH-23** - Partnerships for Equitable Pandemic Response and Recovery
• **TCRP J-11/Task 45** - Future of Commuter Rail in North America

**Upcoming Projects**

• **ACRP 04-29** - Transportation Emergency Response Application (TERA): Migration Options Beyond 2020
• **ACRP 04-30** - Providing Adequate and Balanced Trainer Facilities for Required and Recurrent Training for Airport Firefighters
• **ACRP 04-34** - A Guide for Building, Maintaining, and Improving ARFF Programs
• **NCHRP 08-159** - How to Assess and Address Equity of Access to Essential Goods and Services
• **NCHRP 12-125** - Earthquake-Induced Bridge Displacements
• **NCHRP 23-13(03)** - Guide 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 23-32** - Transportation Asset Risk and Resilience
• **TCRP A-36A** - Transportation Emergency Response Application (TERA): Migration Options Beyond 2020
• **TCRP I-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-07/Topic SA-61** - State of Practice for Transit Recovery in the Aftermath of Severe Weather Events
Reports from the National Academies Press on Security & Emergencies

- Emergency Preparedness/Disaster Management Collection
- Coronavirus Resources Collection
- Pandemic Resources Collection
- Conflict and Security Issues Collection
- Earthquakes, Floods and Natural Disasters Collection
- Transportation and Infrastructure » Security and Emergencies

- Evidence to Advance Reform in the Global Security and Justice Sectors
- Building Trust in Public Health Emergency Preparedness and Response (PHEPR) Science
- Building Resilience into the Nation's Medical Product Supply Chains
- Equitable and Resilient Infrastructure Investments
- 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
- 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

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 – Disaster Response, Emergency Evacuations, and Business Continuity
- AMR40 – Systems, Enterprise, and Cyber Resilience
- AP080 – Transit Safety and Security
- AT040 – Transportation of Hazardous Materials
- AV090 – Aviation Safety, Security and Emergency Management
- AV095 – New Users of Shared Airspace

Task Forces - Search for task force under committee here

Panels
- D17120 - Improved Method to Link Crash, Emergency Medical Service, and Trauma Registry Data
- D2311 - Transportation Emergency Management and Security Summit and Exchange
- D204454 - Implementing An Emergency Management Playbook for State Transportation Agencies
- D231305 - Regulatory Relief of Commercial Vehicle Weight Requirements for Emergency Transportation of Critical Commodities
- DA0430 - Airport Emergency Management Capabilities Development
- DA0503 - Mitigating and Responding to Airport Cybersecurity Events
- SAS00424 - Practices in Airport Emergency Plans
- STS39 - Improving Transit Customer Perception of Personal Security
- TA36A - Transportation Emergency Response Application (TERA): Migration Options Beyond 2020
- TC25 - Bus Driver Security Barrier Design--The Challenges and Solutions
- T1142 - Transportation Services for People With Disabilities and Older Adults during a Pandemic and Other Emergencies: Lessons Learned during the Covid-19 Pandemic

Councils
- A001C – Young Members Coordinating Council

Recent and Upcoming Events

Upcoming TRB Conferences – Use left hand menu to filter events
TRB's Transportation Resilience 2023  
November 13-15, 2023  
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

National Conference on Transportation Asset Management  
July 8-11, 2023  
Boston, MA

Innovations in Travel Analysis and Planning Conference  
June 4-6, 2023  
Indianapolis, IN

National Aviation System Planning Symposium  
May 15-18, 2023  
Irving, CA

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
- 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