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.

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
  - 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 976 - Resilience Primer for Transportation Executives
  - Report 975 - Transportation System Resilience: Research Roadmap and White Papers
  - Report 963 - A Pandemic Playbook for Transportation Agencies
  - Web-Only Document 293 - Deploying Transportation Resilience Practices in State DOTs

- Special Reports

- Transit Cooperative Research Program (TCRP)
  - 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
• **Transportation Research Circulars**
  - E-Circular 275 - Measuring and Managing Freight Resilience Workshop

**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 Environmental Management of PFAS at Airports
  - ACRP 03-60 - Incorporating Shock Events into Traffic and 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 05-03 - Guidebook on Airport Cybersecurity and Incident Response
  - ACRP 10-29 - Aircraft Jet Blast Estimation Tool
  - ACRP 11-03/Topic S06-07 - The Landscape of the FBO Industry in 2022
  - ACRP 11-03/Topic S04-26 - Managing an Emergency or Incident Associated with Flight Diversion at Airports
  - ACRP 11-03/Topic S10-20 - Resilience Partnerships with the Air National Guard and other Military Organizations
  - 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 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
  - 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 23-13(05) - Regulatory Relief of Commercial Vehicle Weight Requirements for Emergency Transportation of Critical Commodities
  - NCHRP 23-15 - Guidance on Risks Related to Emerging and Disruptive Transportation Technologies
  - NCHRP 20-05/Topic 53-03 - Practices Leveraging Social Media Data for Emergency Preparedness and Response
  - 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 19-02 - Legal Issues and Emerging Technologies
  - TCRP I-05/Topic 19-03 - Navigating the Complexities of Sensitive Security Information (SSI) and Protected Critical Infrastructure Information (PCI)
  - TCRP Synthesis 107/Topic SH-23 - Partnerships for Equitable Pandemic Response and Recovery
  - TCRP 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

- **Upcoming Projects**
  - ACRP 04-29 - Transportation Emergency Response Application (TERA): Migration Options Beyond 2020
  - ACRP 04-30 - Airport Emergency Management Capabilities Development
ACRP 04-31 - Providing Adequate and Balanced Trainer Facilities for Required and Recurrent Training for Airport Firefighters

ACRP 04-32 - Guidelines for Using Existing and Emerging Technologies to Identify and Mitigate Human Trafficking in Airports

ACRP 04-33 - Best Practices for Building and Improving an Aircraft Rescue and Firefighting Program

NCHRP 08-146 - Integrating Resiliency into Transportation System Operations

NCHRP 08-159 - How to Assess and Address Equity of Access to Essential Goods and Services

NCHRP 12-125 - Earthquake-Induced Bridge Displacements

NCHRP 23-11 - Transportation Emergency Management/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(04) - Scoping Supply Chain Challenges and Solutions amid COVID-19

NCHRP 23-13(06) - Assessing the Equity and Workforce Mobility Implications of the Expansion of E-commerce and Direct-to-Consumer Delivery Services

NCHRP 23-24 - 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 - Development of the AASHTO Highway Asset Risk & Resilience Manual: Phase 1

TCRP A-36A - Transportation Emergency Response Application (TERA): Migration Options Beyond 2020


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


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

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

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

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

D03127 - Cybersecurity of Traffic Signals and Related ITS Equipment
Recent and Upcoming Events

Upcoming TRB Conferences – Use left hand menu to filter events

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

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

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

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
• 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