TRB Snap Search: Security & Emergencies

TRB's involvement in research on Security & Emergencies from 2018-2020

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

Recent Reports & Publications

- **Airport Cooperative Research Program (ACRP)**
  - Impacts on Practice - Implementing Aircraft Rescue and Firefighting Training at Fresno Yosemite International Airport
  - Legal Research Digest 34 - Airport Public Health Preparedness and Response: Legal Rights, Powers, and Duties
  - Report 201 - Airport Emergency Communications for People with Disabilities and Others with Access and Functional Needs
  - Report 189 - Design Considerations for Airport EOCs
  - Report 188 - Using Existing Airport Management Systems to Manage Climate Risk
  - Report 187 - Transportation Emergency Response Application (TERA) Support Materials for Airport EOC Exercises
  - Research Results Digest 28 - Thought Leader Forum Summary—Emerging Issues for ACRP
  - Synthesis 106 - Airport Risk Identification and Prioritization Practices
  - Synthesis 99 - Emergency Working Groups at Airports
  - Synthesis 95 - Airport Incident Reporting Practices
  - Synthesis 90 - Incorporating ADA and Functional Needs in Emergency Exercises

- **Conference Proceedings**
  - Proceedings 55 - Airport Roles in Reducing Transmission of Communicable Diseases

- **National Cooperative Freight Research Program (NCFRP)**
  - Report 39 - Freight Transportation Resilience in Response to Supply Chain Disruptions

- **IDEA Safety Program**
  - Report 34 - Prototype System for Managing and Analyzing Enterprise Rail Transport Risks of Hazardous Materials

- **National Cooperative Highway Research Program (NCHRP)**
  - Report 931 - A Guide to Emergency Management at State Transportation Agencies
  - Report 930 - Security 101: A Physical and Cybersecurity Primer for Transportation Agencies

Updated 06/05/2020
Current & Upcoming Projects

Current Projects

- ACRP Synthesis 11-03/Topic S04-24 - Airport Practices in Airport Emergency Plans
- ACRP Synthesis 11-03/Topic S04-25 - Escalator Falls
- NCHRP 02-26 - Implementation of Life-Cycle Planning Analysis in a Transportation Asset Management Framework
- NCHRP 03-127 - Cybersecurity of Traffic Management Systems
- NCHRP 03-129 - Essential Communications
- NCHRP 08-107 - A Guidebook for Emergency Contracting Procedures for Administration of a Regional Emergency
- NCHRP 08-113 - Integrating Effective Transportation Performance, Risk, and Asset Management Practices
- NCHRP 10-102 - A Guidebook for Risk-Based Construction Inspection
- NCHRP 17-46 - Comprehensive Analysis Framework for Safety Investment Decisions
- 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(53) - FloodCast: A Framework for Enhanced Flood Event Decision Making for Transportation Resilience
- NCHRP 20-59(54) - Transportation System Resilience: Research Roadmap and White Papers
- NCHRP 20-59(55) - Transportation System Resilience: CEO Primer & Engagement
- NCHRP 20-116 - Emergency Management in State Transportation Agencies
- NCHRP 20-117 - Deploying Transportation Resilience Practices in State DOTs
- NCHRP 20-120(10) - Cybersecurity Implications of CV/AV Technologies on State and Local Transportation Agencies
- NCHRP 20-124 - Deploying Transportation Security Practices in State DOTs
- NCHRP Synthesis 20-05/Topic 50-15 - Asset Management Approaches to Identifying and Evaluating Assets Damaged Due to Emergency Events
- TCRP A-36 - Command-Level Decision Making for Transportation Emergency Managers
- TCRP F-27 - Characteristics and Elements of Non-Punitive Employee Safety Reporting Systems for Public Transportation

Upcoming Projects

- ACRP 03-57 - A Guidebook to Prepare Airports for Transformations in Wireless Connectivity
- ACRP 04-24 - Guidelines to Develop an Anti-Human Trafficking Action Plan for Airports
- ACRP 10-29 - Development of Predictive Model of Jet Blast Exposure
- ACRP 10-30 - Guidelines for Systematically Evaluating the Effectiveness of an Airport’s Wildlife Hazard Management Plan
- ACRP Synthesis 11-03/Topic S04-26 - Managing an Emergency or Incident Associated with Flight Diversion at Airports
- NCHRP 08-129 - Incorporating Resilience Concepts and Strategies in Transportation Planning Efforts
- 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 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 20-06/Topic 25-03 - Managing Enhanced Risk in the Mega Project Era
- NCHRP 20-123(04) - Development of a Risk Management Strategic Plan and a Research Roadmap
- 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 23-15 - Prioritization of Risks Related to Connected and Automated Vehicles and Emerging Technologies
- 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)
- 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
- A Strategic Vision for Biological Threat Reduction
- The Convergence of Violent Extremism and Radiological Security
- Privacy and Security in the 21st Century
- The State of Resilience
- Recoverability as a First-Class Security Objective
- Examining Challenges and Possible Strategies to Strengthen U.S. Health Security
- Emergency Alert and Warning Systems
- Emerging Trends and Methods in International Security

Committees & Panels
Sign-up to be a committee "Friend"

TRB Standing Committees – Search by transportation mode and committee topic
- AB000 – Policy and Organization Group
- ABE00 – Transportation Policy
- AMR10 – Critical Transportation Infrastructure Protection
- AMR20 – Logistics of Disaster Response and Business Continuity
- AT040 – Transportation of Hazardous Materials
- AV090 – Aviation Security and Emergency Management
- Disaster Recovery Committees

Task Forces - Search for task force under committee here
- ABJ55T – Data Privacy, Security and Protection Policy
- AP018T – Transit Safety and Security

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.)

**Bridging Transportation Researchers Online Conference***
*August 12, 2020
Online*

**2020 International Conference on Winter Maintenance and Surface Transportation Weather and Winter Maintenance National Peer Exchange**
*September 21, 2020
Atlanta, GA*

**ITS World Congress 2020***
*October 4, 2020
Los Angeles, California*

**TRB Transit Safety and Security Conference and APTA Mid-year Safety and Security Seminar**
*November 16, 2020
Washington, DC*

Webinars – View upcoming webinars, suggest a webinar or add registration information

Past Webinars
- Security and Emergencies

**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:

**TRID** – The world's largest and most comprehensive bibliographic source on all modes and disciplines of transportation - [trid.trb.org](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](pubsindex.trb.org)

**Research in Progress (RiP) Database** – Current or recently completed transportation research projects - [rip.trb.org](rip.trb.org)

**Research Needs Statements (RNS)** – Research needs as identified by TRB Technical Activities standing committees - [rns.trb.org](rns.trb.org)

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