TRB Snap Search: Security & Emergencies

TRB’s involvement in research on Security & Emergencies from 2018-2019

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

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 year.

Subject Webpage

- Security & Emergencies Research at TRB

Specialty Report

- Critical Issues in Transportation 2018

Recent Reports & Publications

- Airport Cooperative Research Program (ACRP)
  - Report 189 - Design Considerations for Airport EOCs
  - Report 187 - Transportation Emergency Response Application (TERA) Support Materials for Airport EOC Exercises
  - Synthesis 90 - Incorporating ADA and Functional Needs in Emergency Exercises
  - Legal Research Digest 34 - Airport Public Health Preparedness and Response: Legal Rights, Powers, and Duties

- National Cooperative Highway Research Program (NCHRP)
  - Report 884 - Guidelines for Managing Geotechnical Risks in Design–Build Projects
  - Research Topic Highlight - Roadway Tunnels
  - Synthesis 527 - Resilience in Transportation Planning, Engineering, Management, Policy, and Administration
  - Web-Only Document 247 - Managing Geotechnical Risks in Design–Build Projects

- Transit Cooperative Research Program (TCRP)
  - Report 193 - Tools and Strategies for Eliminating Assaults Against Transit Operators, Volume 1: Research Overview
  - Legal Research Digest 53 - Legal Considerations in Relationships Between Transit Agencies and Ridesourcing Service Providers

Current & Upcoming Projects

- Current Projects
  - ACRP 04-19 - Airport Emergency Planning Template: NIMS - Incident Command System Compliance
  - ACRP 04-23 - Social Media Guidebook for Emergency Management
  - ACRP 10-26 - Airport Microgrid Implementation Toolkit
  - ACRP 11-08(16-03) - Forum on Airport Roles in Reducing Communicable Diseases Transmission
  - ACRP Synthesis 11-03/Topic S01-19 - Data Acquisition and Protocols for Risk Management
  - ACRP Synthesis 11-03/Topic S04-19 - Incorporating ADA and Functional Needs in Emergency Exercises
  - ACRP Synthesis 11-03/Topic S04-23 - Emergency Working Groups
  - 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 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 (51)A - Security 101: A Physical & Cyber Security Primer for Transportation Agencies
- NCHRP 20-59 (51)C - Research Support for Implementing Security, Emergency Management, and Infrastructure Protection at State Transportation Agencies
- 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 20-117 - Deploying Transportation Resilience Practices in State DOTs
- NCHRP 20-120 (10) - Cybersecurity Implications of CV/AV Technologies on State and Local Transportation Agencies
- NCHRP 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

- Upcoming Projects
  - ACRP 10-27 - Using Collaborative Decision Making to Enhance the Management of Adverse Conditions, IROPS, and Crises
  - ACRP 11-01 / Topic 10-04 - Updated Survey of Laws and Regulations Applicable to Airport Commercial Ground Transportation
  - ACRP Synthesis 11-03 / Topic S04-24 - Airport Practices in Airport Emergency Plans
  - NCHRP 02-26 - Implementation of Life-Cycle Planning Analysis in a Transportation Asset Management Framework
  - NCHRP 08-113 - Integrating Effective Transportation Performance, Risk, and Asset Management Practices
  - NCHRP 10-102 - A Guidebook for Risk-Based Construction Inspection
  - NCHRP 20-59 (56) - Support for State DOT Transportation Systems Resilience and All-Hazards Programs
  - NCHRP 20-115 - Deploying Transportation Security Practices in State DOTs
  - NCHRP 20-116 - Emergency Management in State Transportation Agencies
  - NCHRP 20-124 - Deploying Transportation Security Practices in State DOTs
  - NCHRP 20-125 - Strategies for Incorporating Resilience into Transportation Networks
  - TCRP F-27 - Characteristics and Elements of Non-Punitive Employee Safety Reporting Systems for Public Transportation

Reports from the National Academies Press on Security & Emergencies
- 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
  - ABR10 – Critical Transportation Infrastructure Protection
  - ABR20 – Logistics of Disaster Response and Business Continuity
  - ABR30 – Emergency Evacuations
  - AT040 – Transportation of Hazardous Materials
  - AV090 – Aviation Security and Emergency Management
  - Disaster Recovery Committees

Task Forces - Search for task force under committee here
Recent and Upcoming Events

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

- **Lifesavers**
  - *March 31-April 2, 2019*
  - Louisville, Kentucky

- **17th Biennial National Harbor Safety Committee Conference**
  - *June 25-27, 2019*
  - Houston, Texas

- **6th International Conference on Women’s Issues in Transportation (WiiT 2019)**
  - *September 10-13, 2019*
  - Irvine, California

- **First International Conference on 3D Printing and Transportation**
  - *November 20-21, 2019*
  - 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](http://www.trb.org/Library/) and the [TRIS Databases](http://www.trb.org/Library/Research-Database.htm) (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](http://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](http://pubsindex.trb.org)

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

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

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