TRB Snap Search: Security & Emergencies

TRB’s involvement in research on Security & Emergencies from 2019-2021

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

Recent Reports & Publications

- Airport Cooperative Research Program (ACRP)
  - Report 222 - Collecting and Sharing of Operations and Safety Data
  - Report 201 - Airport Emergency Communications for People with Disabilities and Others with Access and Functional Needs
  - Research Results Digest 28 - Thought Leader Forum Summary—Emerging Issues for ACRP
  - 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

- 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)
  - NCHRP 03-127 - Cybersecurity of Traffic Management Systems
  - 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
- **Synthesis 556** - Asset Management Approaches to Identifying and Evaluating Assets Damaged Due to Emergency Events

- **Special Reports**
  - **Report 329** - Renewing the National Commitment to the Interstate Highway System: A Foundation for the Future

- **Transit Cooperative Research Program (TCRP)**
  - **Report 225** - A Pandemic Playbook for Transportation Agencies
  - **Report 218** - Characteristics and Elements of Non-Punitive Employee Safety Reporting Systems for Public Transportation
  - **Synthesis 146** - Transit Security Preparedness

- **Transportation Research Circulars**
  - **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 03-55** - Airport Biometrics--A Primer
  - **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 10-26** - Airport Microgrid Implementation Toolkit
  - **ACRP 10-27** - Using Collaborative Decision Making to Enhance the Management of Adverse Conditions, IROPS, and Crises
  - **ACRP 10-29** - Aircraft Jet Blast Estimation Tool
  - **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 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 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 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(51)** - 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 20-123(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
Upcoming Projects
- TCRP A-36 - Command-Level Decision Making for Transportation Emergency Managers
- 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 (PCII)

- ACRP 02-92 - General Aviation Airports and Resilience: Complete Toolkits for Self-Directed Planning
- 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 04-29 - Transportation Emergency Response Application (TERA): Migration Options Beyond 2020
- 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 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 15-80 - Design Guidance and Standards for Resilience
- 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 23-13 - Transportation Research Related to COVID-19
- NCHRP 23-15 - Prioritization of Risks Related to Connected and Automated Vehicles and Emerging Technologies
- 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

Reports from the National Academies Press on Security & Emergencies
- Coronavirus Resources Collection
- Pandemic Resources
- 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
- The Convergence of Violent Extremism and Radiological Security
- Privacy and Security in the 21st Century

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
Recent and Upcoming Events

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

18th Biennial National Harbor Safety Committee Conference
June 15, 2021
Boston, MA

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

- 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