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
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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 Aviation within the past two years.

Subject Webpage
- [Airport Cooperative Research Program](http://www.trb.org/InformationServices/Snap.aspx) at TRB

Specialty Report
- [Critical Issues in Transportation 2019](http://www.trb.org/InformationServices/Snap.aspx)
- [COVID-19 Addendum to Critical Issues in Transportation](http://www.trb.org/InformationServices/Snap.aspx)
- [Racial Equity Addendum to Critical Issues in Transportation](http://www.trb.org/InformationServices/Snap.aspx)

Recent Reports & Publications
- [Airport Cooperative Research Program (ACRP)](http://www.trb.org/InformationServices/Snap.aspx)
  - ACRP 02-87 - Determining Airfield Pavement Deicer and Anti-Icer Contributions to Airport Stormwater
  - Legal Research Digest 45 - Airport Customer Facility Charges: Analysis of Laws, Regulations, and Case Law
  - Legal Research Digest 44 - Airports Responding to Public Health Emergencies: Legal Considerations
  - Legal Research Digest 21 - Compilation of DOT and FAA Airport Legal Determinations and Opinion Letters as of December 31, 2019
  - Report 255 - PFAS Source Differentiation Guide for Airports
  - Report 254 - Strategies to Address Homelessness at Airports
  - Report 253 - Airport Lessons Learned from the COVID-19 Pandemic
  - Report 252 - Airport Baggage Handling System Decision-Making Based on Total Cost of Ownership
  - Report 251 - Digital Marketing to Enhance Customer Experience and Increase Airport Revenue
  - Report 249 - Developing an Airport Program to Address Human Trafficking: A Guide
  - Report 248 - Airport Insurance Requirements
  - Report 247 - Airfield Pavement Markings: Effective Techniques for Removal and Temporary Applications
  - Report 246 - Airside Operations Safety: Understanding the Effects of Human Factors
  - Report 245 - Guide to Evaluating Airport Governance Structures
  - Report 243 - Urban Air Mobility: An Airport Perspective
  - Report 241 - Toward a Touchless Airport Journey
  - Report 240 - Primer for Airport Organizational Redesign
  - Report 239 - Assessing Airport Programs for Travelers with Disabilities and Older Adults
  - Report 237 - Primer and Framework for Considering an Airport Noise and Operations Monitoring System
  - Report 236 - Preparing Your Airport for Electric Aircraft and Hydrogen Technologies
- Evaluating and Implementing Airport Privatization and Public-Private Partnerships
- State Aviation Funding: Project Prioritization and Selection Processes
- Airfield Apron and Ramp Surface Markings
- Managing a Flight Diversion with an Emergency Response at Small, Non-Hub, or General Aviation Airports
- Airport Software Solutions and Services Sourcing
- Considerations for Establishing and Maintaining Successful Pollinator Programs on Airports
- Airport Parking Pricing Strategies
- Agricultural Operations on Airport Grounds
- Examples of Facility Space Provided for Community Use at Airports
- Systemic Inequality in the Airport Industry
- Development of a Small Aircraft Runway Length Analysis Tool
- Measuring and Understanding the Relationship Between Air Service and Regional Economic Development
- Command-Level Decision Making for Transportation Emergency Managers
- Assessment Tool for Transformation in Wireless Connectivity
- Tools to Assess Airport Programs for Travelers with Disabilities and Older Adults
- Airside Planning, Design, Construction, Operations, and Maintenance
- Construction Safety and Phasing Plans
- Periodic Publication on Transformative Technologies at Airports

• Conference Proceedings
  - The Future of Aviation

• Special Reports / Consensus Studies
  - Emerging Hazards in Commercial Aviation—Report 1: Initial Assessment of Safety Data and Analysis Processes

Current & Upcoming Projects

• Current Projects
  - Advancing the Practice of State Aviation System Planning
  - Creative Marketing Techniques to Improve Revenue Generation Partnerships
  - Airport Blockchain Implementation Guidebook
  - Selecting, Procuring, and Implementing Airport Capital Project Delivery Methods
  - A Guide to Developing a Culture of Innovation at Airports
  - The Evolution of Knowledge Management at Airports
  - Data Protection and Privacy Management Guidelines for Airports
  - Development of Airport Construction Emission Inventory Tool (ACEIT) Version 2.0
  - Development of PFAS Source Differentiation Guidelines for Airports
  - Guidebook for PFAS Management at Airports
  - Update ACRP WebResource 4: Airport Air Quality Resource Library
  - Understanding Airport Air Quality and Public Health Studies Related to Airports: An Update to ACRP Report 135
  - Update ACRP Report 99: Guidance for Treatment of Airport Stormwater Containing Deicers
  - Incorporating Environmental Justice and Equity Principles and Data into Airport Decision-Making
  - Carbon Removal and Reduction to Support Airport Net-Zero Goals
  - Environmental Stewardship and Compliance Training for Airport Employees
  - Effective Collaboration to Plan and Respond to Communicable Disease Threats
  - Guidelines for Adapting and Managing Airport Common Use Programs
  - Incorporating Shock Events into Aviation Demand Forecasting and Airport Planning
  - Implementing and Improving Data Analytics Capabilities at Airports
  - A Toolkit for Establishing Airport Catchment Areas
  - Modernizing Air Cargo Operations and Infrastructure at U.S. Airports
  - ACRP Policy and Planning Product Updates
  - Guidebook for Digital Twin Programs at Airports
  - Guidelines for Accommodating Peer-to-Peer Car Sharing at Airports
  - Integrated Contingency Planning for Small Airports
  - Incorporating Technologies into Airport In-Terminal Concession Programs
  - Guidance for Planning for Future Electric Vehicle Growth at Airports
  - Airport Guide for Transitioning to Unleaded Aviation Gasoline
- Upcoming Projects
  - ACRP 01-51 - Improving Airport Organizational Practices to Enhance ACDBE/DBE Participation
  - ACRP 01-52 - Strategic Futuring of Airports and their Role in the U.S. Airport System
  - ACRP 01-53 - Review and Update of ACRP Administration and Human Resources Products
  - ACRP 01-54 - Update to ACRP Report 49: Collaborative Airport Capital Planning Handbook
  - ACRP 01-55 - Guidebook for In-Terminal Airport Concession Strategies and Business Models
  - ACRP 01-56 - New Revenue Sources and Financing Alternatives for Small and Mid-Sized Regional Airports
  - ACRP 02-97 - Update to the Guidelines, Tools, and Resources Related to ACRP Reports 11, 147, and 160
- ACRP 02-97A - Update ACRP Report 43: Improving Environmental Performance at Small Airports
- ACRP 02-98 - Airport Energy Resiliency Primer and Roadmap
- ACRP 02-101 - Environmental Stewardship and Compliance Training for Airport Employees
- ACRP 02-102 - A Balanced Look at Local Airport Activity and Climate Change
- ACRP 02-103 - A Guide for Methods to Transition and Decontaminate PFAS from Firefighting Systems
- ACRP 03-70 - Incorporating Technologies into Airport In-Terminal Concession Programs
- ACRP 03-71 - Guidelines for Planning for Future Growth of Electric Vehicles at Airports
- ACRP 03-72 - A Guide on the Economic Impacts of E-Commerce on Airports and Airport Stakeholders
- ACRP 03-73 - Airport Guide for Transitioning to Unleaded Aviation Gasoline
- ACRP 03-74 - ACRP Web Resource for Airport User Choice Modeling and Analysis
- ACRP 03-75 - Preparing for Hydrogen-Powered Aircraft and Other Vehicles at Airports
- ACRP 03-76 - Effectiveness of Technology to Improve Airport Customer Service
- ACRP 03-77 - Understanding the Impact of Climate Change on Forecasting Future Airport Activity Levels
- ACRP 04-29 - Transportation Emergency Response Application (TERA): Migration Options Beyond 2020
- ACRP 04-30 - Identifying and Developing the Core Capabilities of an Airport Emergency Management Program
- ACRP 04-32 - Using Existing and Emerging Technologies to Identify and Mitigate Human Trafficking in Airports
- ACRP 04-34 - Best Practices for Building and Improving an Aircraft Rescue and Firefighting Program
- ACRP 06-09 - Equitable Workforce Outcomes: A Study of Women and Minority Representation at Airports
- ACRP 06-10 - Guidance for Automation to Optimize Airport Efficiency
- ACRP 07-20 - Reducing and Managing Disruptive and Unruly Behavior in Airports
- ACRP 07-21 - Exploring Cellular-Based Private Wireless Networks for the U.S. Aviation Industry
- ACRP 07-22 - Accommodating Cognitive and Sensory Diversity of Airport Travelers
- ACRP 07-23 - Improving the Airport Experience of Travelers Using Wheelchairs
- ACRP 07-24 - Virtual Queuing at Airports
- ACRP 07-25 - Value Engineering Applied to Airports
- ACRP 07-26 - Augmented Reality and Virtual Reality in the Airport Environment
- ACRP 07-27 - Seismic Resiliency for Horizontal Infrastructure at Airports
- ACRP 08-04 - Use of Operational Readiness and Testing (ORAT) for Airport Projects
- ACRP 09-23 - Strategy for Spatial Data Maintenance at Airports
- ACRP 10-33 - Incorporating Emerging Ground Access Technologies at Airports
- ACRP 10-35 - Readiness and Feasibility of Automatic Dependent Surveillance-Broadcast (ADS-B) Data for Airport Use Cases
- ACRP 10-36 - Review and Update of ACRP Products Related to Airport Operations
- ACRP 11-01/Topic 11-02 - Accommodating of Federal Agencies – Rights and Obligations of Host Airports
- ACRP 11-01/Topic 15-01 - Accommodating Federal Agencies at Airports and Related Contractual Concerns
- ACRP 11-01/Topic 15-02 - Legal Issues Concerning the Safety and Security of General Aviation Airports
- ACRP 11-01/Topic 15-03 - Legal Impacts to Airports from State Legalization of Marijuana
- ACRP 11-08(20-02) - ACRP Insight Event—On-Demand Aviation Services for Passengers and Goods
- ACRP 11-08(24-02) - ACRP Insight Event — Improving Extreme Weather Resiliency of Airport Infrastructure
- ACRP 11-0(24-03) - ACRP Insight Event – Airport Energy Resiliency
- ACRP 11-11 - Facilitating Implementation of ACRP Products
- ACRP 11-12/Task 01 - Review ACRP Website
- ACRP 11-12/Task 02 - Dissemination of Research Results
- NCHRP 20-44(47) - UAS Operations Practical Skills Pilot Program for State DOTs

**Reports from the National Academies Press on Aviation**

- Transportation and Infrastructure » Aviation
- Substance Misuse Programs in Commercial Aviation: Safety First
- Aviation After a Year of Pandemic: Economics, People, and Technology: Proceedings of a Workshop
- Evaluation of the Transport Airplane Risk Assessment Methodology
- Flying in the COVID-19 Era: Science-based Risk Assessments and Mitigation Strategies on the Ground and in the Air
- Aviation After a Year of Pandemic: Economics, People, and Technology

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- Airport Terminals and Ground Access
- Airfield and Airspace Performance
- Aircraft/Airport Compatibility
- Aviation Safety, Security and Emergency Management
- New Users of Shared Airspace
- Emerging Trends in Aviation Safety

CRP Panels
- Design and Development of a State Aviation Information Database
- Transportation Network Companies (TNCs): Impacts to Airport Revenues and Operations
- Guidebook for Developing State Aviation System Plans
- Performance Measures for State Aviation Agencies
- Market Value Characteristics for Property at Small Airports
- Improving the Airport Customer Experience – UPDATE to ACRP Research Report 157
- Airport Blockchain Implementation Guidebook
- Review of Airport Governance Structures
- Airport Insurance Requirements
- Updated Guidebook for Airport Project Delivery Requirements
- Guide to Airport Innovation--Creating an Organizational Fit for the Future
- Assessing the Effectiveness of Airport Services Programs for Passengers with Disabilities
- The Evolution of Knowledge Management at Airports
- Data Protection and Privacy Management Guidelines for Airports
- Enhancing DBE and ACDBE Participations at Airports
- Championing the Airport System---Challenging the Paradigm
- Quantifying Emissions Reductions at Airports from the Use of Alternative Jet Fuel
- Developing a Roadmap to Achieve Zero Emissions at Airports
- Measuring Quality of Life in Communities Surrounding Airports
- Evaluating the Use of Spatially Precise Diurnal Population Data in Aviation Noise Studies
- Understanding Impacts to Airports from Temporary Flight Restrictions
- Determining Airfield Pavement Deicer and Anti-Icer Contributions to Airport Stormwater
- Industry Survey - Benefits and Costs for Airport Noise and Operations Monitoring Systems
- Update the Airport Construction Emission Inventory Tool (ACEIT)
- Development of Forensic Guidelines and Tools for PFAS Source Differentiation at Airports
- General Aviation Airports and Resilience: Complete Toolkits for Self-Directed Planning
- Guidebook for Environmental Management of PFAS at Airports
- Update ACRP WebResource 4: Airport Air Quality Resource Library
- Update ACRP Report 135: Understanding Airport Air Quality and Public Health Studies Related to Airports
- Update ACRP Report 99: Guidance for Treatment of Airport Stormwater Containing Deicers
- Update ACRP Report 43: Improving Environmental Performance at Small Airports
- Airport Energy Resiliency
- Use of Equity and Environmental Justice Data to Support Airport Decision-Making
- Integrating UAS into Airports
- Collecting and Sharing Airport Safety and Operational Data
- An Airport-Centric Study of the Urban Air Mobility Market
- Electric Aircraft on the Horizon -- An Airport Planning Perspective
- Guidelines for Adapting and Managing Airport Common Use Programs
- General Aviation Airports Runway Length Analysis
- A Guidebook to Prepare Airports for Transformations in Wireless Connectivity A Guidebook to Prepare Airports for Transformations in Wireless Connectivity
- Airports and the Homeless
- Incorporating Shock Events into Traffic and Forecasting and Airport Planning
- Assessing and Improving Data Analytic Capabilities in Airports
Upcoming Events

Emerging Trends in Aviation Safety Workshop #2 - Safety for New Innovations
August 29, 2023
Washington, D.C.

Innovations in Freight Data Workshop
September 19-21, 2023
Washington, D.C.

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

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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

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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

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