TRB Snap Search: Terminals & Facilities

TRB’s involvement in research on Terminals & Facilities 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 on Terminals & Facilities within the past two years.

Specialty Report

- Critical Issues in Transportation for 2024 and Beyond
- Critical Issues in Transportation 2019
- COVID-19 Addendum to Critical Issues in Transportation
- Racial Equity Addendum to Critical Issues in Transportation

Recent Reports & Publications

- Airports Cooperative Research Program (ACRP)
  - Report 241 - Toward a Touchless Airport Journey
  - Report 236 - Preparing Your Airport for Electric Aircraft and Hydrogen Technologies
  - Report 233 - Airport Biometrics: A Primer
  - Report 231 - Airport Microgrid Implementation Toolkit
  - Report 229 - Planning and Design of Airport Terminal Restrooms and Ancillary Spaces
  - Report 227 - Rethinking Airport Parking Facilities to Protect and Enhance Non-Aeronautical Revenues
  - Report 224 - Performance Measures for State Aviation Agencies
  - Report 222 - Guidebook for Developing a Zero- or Low-Emissions Roadmap at Airports
  - Report 221 - BIM Beyond Design Guidebook
  - Report 219 - Estimating Market Value and Establishing Market Rent at Small Airports
  - Synthesis 119 - Considerations for Establishing and Maintaining Successful Pollinator Programs on Airports
  - Synthesis 118 - Examples of Facility Space Provided for Community Use at Airports
  - Synthesis 117 - Agricultural Operations on Airport Grounds
  - Synthesis 116 - Airport Parking Pricing Strategies
  - Synthesis 110 - Airport Renewable Energy Projects Inventory and Case Examples
  - WebResource 10 - Periodic Publication on Transformative Technologies at Airports

- National Cooperative Highway Research Program (NCHRP)
  - Legal Research Digest 81 - Legal Issues Concerning the Use of Transportation Facilities to Generate Revenue for State DOTs

Updated 11/07/2022
• Special Reports / Consensus Studies
  o Report 338 - Modernizing the U.S. Offshore Oil and Gas Inspection Program for Increased Agility and Safety Vigilance

• Transit Cooperative Research Program (TCRP)
  o IDEA Report 95 - Connected and Automated Parking Feasibility – A Pilot Study
  o Report 238 - Quantitative Procedures for Designing and Operating Ferry Services
  o Synthesis 152 - Transit Agency Relationships and Initiatives to Improve Bus Stops and Pedestrian Access

Current & Upcoming Projects

• Current Projects
  o ACRP 01-39 - Creative Marketing Techniques to Improve Revenue Generation Partnerships
  o ACRP 01-41 - Airport Blockchain Implementation Guidebook
  o ACRP 01-46 - A Guide for Geospatial Data Governance Policies and Procedures
  o ACRP 01-49 - The Evolution of Knowledge Management at Airports
  o ACRP 01-50 - Data Protection and Privacy Management Guidelines for Airports
  o ACRP 02-90 - Development of Airport Construction Emission Inventory Tool (ACEIT) Version 2.0
  o ACRP 02-91 - Development of PFAS Source Differentiation Guidelines for Airports
  o ACRP 02-92 - Creating Self-Directed Resiliency Plans at GA Airports
  o ACRP 02-93 - Guidebook for PFAS Management at Airports
  o ACRP 02-94 - Update ACRP WebResource 4: Airport Air Quality Resource Library
  o ACRP 02-95 - Understanding Airport Air Quality and Public Health Studies Related to Airports: An Update to ACRP Report 135
  o ACRP 02-96 - Update ACRP Report 99: Guidance for Treatment of Airport Stormwater Containing Deicers
  o ACRP 02-99 - Incorporating Environmental Justice and Equity Principles and Data into Airport Decision-Making
  o ACRP 02-100 - Carbon Removal and Reduction to Support Airport Net-Zero Goals: A Playbook and Tools
  o ACRP 03-59 - Strategies to Address Homelessness at Airports
  o ACRP 03-60 - Incorporating Shock Events into Aviation Demand Forecasting and Airport Planning
  o ACRP 03-61 - Implementing and Improving Data Analytics Capabilities at Airports
  o ACRP 03-62 - A Toolkit for Establishing Airport Catchment Areas
  o ACRP 03-63 - Modernizing Air Cargo Operations in U.S. Airports
  o ACRP 03-65 - ACRP Policy and Planning Product Updates
  o ACRP 03-66 - Guidebook for Digital Twin Programs at Airports
  o ACRP 03-67 - Guidelines for Accommodating Peer-to-Peer Car Sharing at Airports
  o ACRP 03-68 - Integration of Contingency Planning for Small Airports
  o ACRP 04-25 - Airports and Communicable Diseases—Preparedness and Response
  o ACRP 04-26 - Developing Alternative Aircraft Arresting Systems
  o ACRP 04-27 - Alternative Methods to Manage Tree Growth Near Airports
  o ACRP 04-28 - Developing Alternative Aircraft Arresting Systems
  o ACRP 05-03 - Guidebook on Airport Cybersecurity and Incident Response
  o ACRP 07-15A - Airport Passenger Terminal Design Library—UPDATE to ACRP WebResources 2
  o ACRP 07-17 - Update ACRP Report 40: Airport Roadway Analysis and Curbside Congestion Management Strategies
  o ACRP 07-18 - Develop Airfield Design Guidelines for Large Unmanned Aerial Systems (UAS)
  o ACRP 07-19 - Update to ACRP Report 25: Airport Passenger Terminal Planning and Design
  o ACRP 09-20 - Quantifying the Impacts of Delayed Maintenance of Airport Assets
  o ACRP 09-21 - Asset Information Handover Guidelines: From Planning and Construction to O&M
  o ACRP 10-30 - Evaluating the Effectiveness of an Airport’s Wildlife Hazard Management Program
  o ACRP 10-31 - Guidebook for Virtual Airport Ramp Control Operations Facilities
  o ACRP 10-32 - U.S. Airport Industry Adoption of Automated Ground Vehicle Systems
  o ACRP 11-01/Topic 12-02 - Legal Considerations for General Aviation (GA) Development at Airports
  o ACRP 11-01/Topic 11-03 - Analysis of Laws, Regulations, and Case Laws Regarding Airport Customer Facility Charges
  o ACRP 11-01/Topic 14-01 - Legal Considerations for Airports Responding to Pandemics
  o ACRP 11-02/Task 30 - Research Roadmap in the Area of Design and Construction of Airport Facilities and Infrastructure
  o ACRP 11-08(20-01) - ACRP Insight Event--Future of Aviation
  o ACRP 11-08(21-01) - ACRP Insight Event--Future of Airport Finances
  o ACRP 11-08(21-02) - ACRP Insight Event--Issues on Systemic Racism
  o ACRP 11-11/Task 01 - Knowledge Transfer of Lessons Learned From ACRP Product Implementation
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 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 03-70 - Incorporating Emerging Technologies into Airport In-Terminal Concession Programs
- ACRP 04-29 - Transportation Emergency Response Application (TERA): Migration Options Beyond 2020
- ACRP 04-31 - Providing Adequate and Balanced Trainer Facilities for Required and Recurrent Training for Airport Firefighters
- ACRP 07-21 - Understanding Opportunities of Deploying Private Wireless Network at Airports
- ACRP 09-22 - Guidance for Small Airports on Safe Maintenance of Airfield Electrical Systems
- ACRP 10-33 - Incorporating Emerging Ground Access Technologies at Airports
- ACRP 11-09/Topic 01 - Impact of New Corporate Environmental Standards Impact Airports
- ACRP 11-11 - Facilitating Implementation of ACRP Products
- ACRP 11-12/Task 01 - Review ACRP Website
- NCHRP 05-25 - Guide to the Contextual Application of Overhead Lighting on Highways
- NCHRP 08-156 - Planning for Innovative and Emerging Mobility Futures at Intermodal Passenger Facilities
- NCHRP 20-06/Topic 26-01 - Effects of Indian Treaties on Development and Operation of Transportation Facilities
- NCHRP 23-13-(03) - Guide on Truck Rest and Service Areas for Critical Supply Chain Delivery

Reports from the National Academies Press on Terminals & Facilities
- Transportation and Infrastructure » Terminals and Facilities
- Frameworks for Protecting Workers and the Public from Inhalation Hazards
- The National Imperative to Improve Nursing Home Quality: Honoring Our Commitment to Residents, Families, and Staff
- Service Life Assessment and Predictive Modeling for an Aging Critical Infrastructure
- The Future of Electric Power in the United States
- Accelerating Decarbonization of the U.S. Energy System
- Bringing Fusion to the U.S. Grid
- Decarcerating Correctional Facilities during COVID-19

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

TRB Standing Committees – Search by transportation mode and committee topic
- ACP10 - Regional Transportation Systems Management and Operations
- AKR10 - Maintenance and Operations Management
- AP045 – Passenger Intermodal Facilities
Policy Study Committees

CRP Panels

- D1574 - Safety Evaluation of On-Street Bicycle Facility Design Features
- D1581 - Guideline for Depicting Existing and Proposed Utility Facilities in Design Plans
- DA0715A - Airport Passenger Terminal Design - Update to ACRP Web Resources #2
- DA0716 - Airport Terminal Ancillary Service Spaces and Restroom Planning and Design
- DA0717 - Update ACTP Report 40: Airport Curbside and Terminal Area Roadway Operations
- DA0719 - Update to ACRP Report 25: Airport Passenger Terminal Planning and Design
- DA1031 - Guidebook for Virtual Airport Ramp Control Operations Facilities

Task Forces - Search for task force under committee here

Councils

- A001C – Young Members Coordinating Council

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

Marine Transportation System Innovative Science and Technologies Toward Greater Sustainability
June 19-22, 2023
Washington, D.C

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