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TRB TRANSPORTATION RESEARCH BOARD

TRB Snap Search: Terminals & Facilities

TRB's involvement in research on Terminals & Facilities from 2022-2025

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 on Terminals & Facilities within the past three years.

Specialty Report

- [Critical Issues in Transportation for 2024 and Beyond](#)
- [Critical Issues in Transportation 2019](#)
- [Racial Equity Addendum to Critical Issues in Transportation](#)

Recent Reports & Publications

- [Airport Cooperative Research Program (ACRP)](#)
  - [LRD](#)- Airport Customer Facility Charges: Analysis of Laws, Regulations, and Case Law
  - [Report 266](#) - Airport Curbside and Terminal Area Roadway Operations: New Analysis and Strategies, Second Edition
  - [Report 254](#) - Strategies to Address Homelessness at Airports
  - [Report 251](#)- Digital Marketing to Enhance Customer Experience and Increase Airport Revenue
  - [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](#) - Evaluating the Traveler's Perspective to Improve the Airport Customer Experience
  - [Report 230](#) - Enhancing Academic Programs to Prepare Future Airport Industry Professionals
  - [Report 228](#) - Airport Microgrid Implementation Toolkit
  - [Report 227](#) - Evaluating and Implementing Airport Privatization and Public-Private Partnerships
  - [Report 226](#) - Planning and Design of Airport Terminal Restrooms and Ancillary Spaces
  - [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
  - [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
  - Report 1137 - Guide for Truck Parking Information Management Systems

- [Special Reports / Consensus Studies](#)
  - [TCRP 250/ACRP 275/NCHRP 1129](#) - Intermodal Passenger Facility Planning and Decision-Making for Seamless Travel

- 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 01-49 - The Evolution of Knowledge Management at Airports
  - o ACRP 01-50 - Data Protection and Privacy Management Guidelines for Airports
  - o ACRP 01-57 - Guidelines for Managing Current and Future Transportation Network Companies (TNCs) Operations at 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 02-99 - Incorporating Environmental Justice and Equity Principles and Data into Airport Decision-Making
  - o ACRP 03-56 - Airside Planning, Design, Construction, Operations, and Maintenance: WebResource
  - 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 - Uncontrolled Terminal Evacuations: Planning, Response, and Recovery
  - o ACRP 04-27 - Alternative Methods to Manage Tree Growth Near Airports
  - o ACRP 04-28 - Developing Alternative Aircraft Arresting Systems
  - 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 10-31 - 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 11-02/Task 30 - Research Roadmap in the Area of Design and Construction of Airport Facilities and Infrastructure
  - o ACRP 11-11/Task 01 - Knowledge Transfer of Lessons Learned From ACRP Product Implementation
  - o ACRP Synthesis 11-03/Topic S01-26 - The Landscape of the FBO Industry in 2022
  - o ACRP Synthesis 11-03/Topic S03-16 - Project Prioritization and Selection Processes for State Aviation Funding
  - o ACRP Synthesis 11-03/Topic S03-18 - Communication, Implementation, and Outcomes of Airport Economic Impact Studies
  - o ACRP Synthesis 11-03/Topic S04-26 - Managing a Flight Diversion with an Emergency Response at Small, Non-Hub, or General Aviation Airports
  - o ACRP Synthesis 11-03/Topic S09-09 - Automated Pavement Condition Survey Practices at Airports
  - o ACRP Synthesis 11-03/Topic S10-20 - Resilience Partnerships with the Air National Guard and other Military Organizations
  - o NCHRP 15-81 - Guideline for Depicting Existing and Proposed Utility Facilities in Design Plans
  - o NCHRP 20-24(137) - Assessing and Communicating the Economic and Quality of Life Benefits of Transportation Infrastructure Investments: Message Testing
  - o NCHRP Synthesis 20-05/Topic 53-08 - Strategies and Programs For Electric Vehicle Charging
  - o Transit IDEA J-04/IDEA 100 - TrainMate Robotic System: Making Public Transportation, Public
  - o TCRP D-21 - Planning for the Future of Intermodal Passenger Facilities: Guide and Decision-Making Framework

- Upcoming Projects
  - o 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 Synthesis 11-03/Topic S01-32 - State of Airport Lounges
- 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 02-105 - Addressing Challenges to Airport Terminal Recycling
- ACRP 03-70 - Incorporating Emerging Technologies into Airport In-Terminal Concession Programs
- ACRP 03-80 - A Guide for Air Cargo System Planning
- ACRP 04-31 - Providing Adequate and Balanced Trainer Facilities for Required and Recurrent Training for Airport Firefighters
- ACRP 06-11 - Nontraditional Practices to Support the Airport Workforce
- 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
- NCHRP 05-25 - Guide to the Contextual Application of Overhead Lighting on Highways
- NCHRP 07-37 - Modern and Proven Approaches to Planning, Design, and Operation of Pedestrian Facilities
- NCHRP 08-148 - A Guide for Management of Out-of-Service Facilities
- NCHRP 08-156 - Planning for Innovative and Emerging Mobility Futures at Intermodal Passenger Facilities
- NCHRP 08-190 - A Decision Framework for Advancing Safe Truck Parking
- 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
- AT025 - Urban Freight Transportation
- AV050 – Airport Terminals and Ground Access
- AW020 - Inland Water Transportation

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
- SN5409 - Hydraulic Engineering Practices for Construction and Temporary Facilities in Streams and Rivers
- TD21 - Planning for the Future of Intermodal Passenger Facilities: Guide and Decision-Making Framework

Task Forces - Search for *task force* under committee here

Councils
- o [A001C](#) – Young Members Coordinating Council

Recent and Upcoming Events

[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

[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

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

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