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: https://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 and projects on Planning & Forecasting within the past year.

Specialty Reports

- 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

- Airport Cooperative Research Program (ACRP)
  - Conference Proceedings on the Web 29 - The Future of Aviation (ACRP Insight Event)
  - Report 261 - Advanced Air Mobility and Community Outreach: A Primer for Successful Stakeholder Engagement
  - Report 258 - The Evolution of Knowledge Management at Airports
  - Report 254 - Strategies to Address Homelessness at Airports
  - Report 253 - Airport Lessons Learned from the COVID-19 Pandemic
  - Report 244 - Advancing the Practice of State Aviation System Planning
  - Report 240 - Primer for Airport Organizational Redesign
  - Report 236 - Preparing Your Airport for Electric Aircraft and Hydrogen Technologies
  - Synthesis 123 - State Aviation Funding: Project Prioritization and Selection Processes
  - Synthesis 118 - Airport Parking Pricing Strategies
  - Web-Only Document 59 - Integration of Contingency Planning for Small Airports
  - Web-Only Document 56 - Toolkit for Establishing Airport Catchment Areas
  - Web-Only Document 55 - ACP Product Update: Prioritization of Policy and Planning Products

- Consensus Studies
  - Elevating Equity in Transportation Decision Making: Recommendations for Federal Competitive Grant Programs

- National Cooperative Highway Research Program (NCHRP)
  - Legal Research Digest 89 - Planning and Environment Linkages: Review of Statutory Authority and Case Law
  - NCHRP 20-123(04) - Development of a Risk Management Strategic Plan and a Research Roadmap
  - NCHRP 20-123(01) - Transportation Asset Management Strategic Planning and Research Roadmap Development
  - NCHRP 20-65/Task 82 - Issues Associated with Providing Customized, Client-Based Transportation Services
IDEA Report 96 - Multi-stage Planning for Electrifying Transit Bus Systems with Multi-format Charging Facilities

Report 241 - Inclusive Virtual Public Involvement for Public Transit

Report 238 - Quantitative Procedures for Designing and Operating Ferry Services


Report 232 - The Impacts of Vehicle Automation on the Public Transportation Workforce

Synthesis 170 - Inclusive Public Participation in Transit Decision-Making

- Transportation Research Circulars
  - E-Circular 281 - Advancing Transportation Equity: Conference Summary and Action Brief
  - E-Circular 277 - 13th National Conference on Transportation Asset Management

Recently Completed/Pending Publication

- ACRP 11-02/Task 43 - Successful Community Inclusion in Advanced Air Mobility
- ACRP 10-33 - Incorporating Emerging Transportation and Ground Access Technologies at Airports
- ACRP 09-20 - Quantifying the Impacts of Delayed Maintenance of Airport Assets
- ACRP 02-99 - Incorporating Environmental Justice and Equity Principles and Data into Airport Decision-Making
- ACRP 02-93 - Guidebook for PFAS Management at Airports
- ACRP 02-92 - Creating Self-Directed Resiliency Plans at GA Airports
- BTSCR BTS-14 - Informing the Selection of Countermeasures by Evaluating, Analyzing, and Diagnosing Contributing Factors that Lead to Crashes
- NCHRP 20-125 - Strategies for Incorporating Resilience into Transportation Networks
- NCHRP 20-123(13) - Strategic Plan and Research Roadmap for the AASHTO Committee on Planning
- NCHRP 20-123(12) - System Mobility and Emerging Technologies (SMET): Strategic Planning Session and Research Roadmap Development
- NCHRP 20-102(19)B - Updated Research Roadmap for NCHRP 20-102, Impacts of Connected Vehicles and Automated Vehicles on State and Local Transportation Agencies
- NCHRP 20-65/Task 78 - Impact of Decline in Volunteerism on Rural Transit Systems
- NCHRP 20-24(138) - Strategies for Incorporating Resilience into Transportation Networks
- NCHRP 08-171 - Snapshots of Planning Practices
- NCHRP 07-30 - Methods for Assigning Short-Duration Traffic Volume Counts to Adjustment Factor Groups for Estimating AADT
- NCHRP 08-128 - Snapshots of Planning Practices
- ACRP 10-35 - Readiness and Feasibility of Automatic Dependent Surveillance-Broadcast (ADS-B) Data for Airport Use Cases
- ACRP 11-05 - Tactical Initiatives from the ACRP Strategic Plan
- ACRP 11-14/Task 01 - Knowledge Transfer of Lessons Learned From ACRP Product Implementation
- NCHRP 05-25 - Guide to the Contextual Application of Overhead Lighting on Highways
- NCHRP 07-30 - Methods for Assigning Short-Duration Traffic Volume Counts to Adjustment Factor Groups for Estimating AADT
- NCHRP 08-128 - Snapshots of Planning Practices
- NCHRP 08-136 - Guidebook on Using Performance-Based Management Approaches for Maintenance
- Guide to the Integration of Transportation Systems Management and Operations into Transportation Asset Management
- A Guidebook for Local Truck Parking Regulations
- Rural Transit Fleet Mix and Vehicle Size Decision Trees
- Estimating Benefits of Closing Gaps in Active Transportation Networks
- Strategies for Improving Diversity, Equity, and Inclusion in the Transportation Planning Profession
- A Guide for the Development and Use of Truck Traffic Forecasts in Design
- Guidance for Agencies to Incorporate Uncertainty into Long-Range Transportation Planning
- Planning for Innovative and Emerging Mobility Futures at Intermodal Passenger Facilities
- Cultivating Accountability Through Meaningful Public Engagement
- Guidance for Implementing Equitable Transportation Decision-Making
- Closing the Loop: Post-Implementation Evaluation of Transportation Projects
- Institutionalizing the Safe System Approach in Transportation Planning and Programming
- Implementation of Bridge Preservation Actions
- Leveraging Artificial Intelligence and Big Data to Enhance Safety Analysis
- Revenue-Related Strategies for New Mobility Options
- Deploying Transportation Resilience Practices in State DOTs: Implementation
- Impacts of Connected Vehicles and Automated Vehicles on State and Local Transportation Agencies--Task-Order Support
- Infrastructure Modifications to Improve the Operational Conditions of Automated Vehicles
- Toolbox for Navigating the Land-Use Impacts of the Automated Vehicle Ecosystem
- Support for AASHTO Committees and Councils
- Development of a New Transportation System Operations Strategic Plan
- Support for Critical Issues in Transportation and Commitment to the Future HIS
- Transportation Research Related to COVID-19
- Research Roadmap for Knowledge Management
- Guidance on Risks Related to Emerging and Disruptive Transportation Technologies
- Implementing and Leveraging Machine Learning at State Departments of Transportation
- Methods to Allow Agencies to Incorporate Quantitative Risk Assessment at Project and Network Level
- Mobile Devices as a Tool for Digitalized Project Documentation and Inspection
- Visualization for Public Involvement
- Practices for Integrating Performance-Based Plans with Long-Range Transportation Plans and Statewide Transportation Investment Programs
- Impact of Transformational Technologies on Underserved Populations
- Racial Equity, Black America and Public Transportation
- A Guide for Building, Maintaining, and Improving ARFF Programs
- Support for AASHTO Committees and Councils
- Deployment of Transportation Resilience Practices in State DOTs: Implementation
- Development of a New Transportation System Operations Strategic Plan
- Toolbox for Navigating the Land-Use Impacts of the Automated Vehicle Ecosystem
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- Implementing and Leveraging Machine Learning at State Departments of Transportation
- Methods to Allow Agencies to Incorporate Quantitative Risk Assessment at Project and Network Level
- A Guide for the Development and Use of Truck Traffic Forecasts in Design
- Strategies for Improving Diversity, Equity, and Inclusion in Transportation Asset Management
- Use of Active Transportation Data in Decision-Making
- Valuing Diversity, Equity, and Inclusion in Transportation Asset Management
- Impacts of E-Commerce on Travel and Land Use Patterns
- Identifying and Evaluating Divided, Overburdened, and Underrepresented Communities
- Strategies and Actions for Collaboration: A Guide for DOTs, MPOs, and Partners
- Induced Demand Assessment Framework: A Guide
- Guidance for Agencies to Incorporate Uncertainty into Long-Range Transportation Planning
- Tools to Integrate Equity into Active Transportation and Safety Investments
- Institutional Integration of Active Transportation
- Use of Active Transportation Data in Decision-Making
- A Guide for Work Zone Intrusion Prediction and Prevention

**Upcoming Projects**
- Modernizing Air Cargo Operations in U.S. Airports
- ACRP Policy and Planning Products Update – PHASE II
- A Guide for Building, Maintaining, and Improving ARFF Programs
- Integrating Resiliency into Transportation System Operations
- Tools to Integrate Equity into Active Transportation and Safety Investments
- Institutional Integration of Active Transportation
- Use of Active Transportation Data in Decision-Making
- Valuing Diversity, Equity, and Inclusion in Transportation Asset Management
- Impacts of E-Commerce on Travel and Land Use Patterns
- Identifying and Evaluating Divided, Overburdened, and Underrepresented Communities
- Strategies and Actions for Collaboration: A Guide for DOTs, MPOs, and Partners
- Induced Demand Assessment Framework: A Guide
- Guide for Progressive Design-Build for Transportation Projects
- Right-of-Way and Utility Risk Identification and Management
- NCHRP 17-107 - Guide for Work Zone Intrusion Prediction and Prevention
NCHRP 17-126 - Crash Prediction Models for Alternative and Unconventional Intersections
NCHRP 19-22 - Equity Impacts of Transportation Revenue Mechanisms and Changing Trends
NCHRP 20-24(119) - Strategic Research in Support of the Connected and Automated Vehicle Executive Leadership Team
NCHRP 20-24(132) - Understanding Knowledge Management in Context with Other Organizational Practices
NCHRP 20-44(58) - Implementing the Research Results of NCHRP Research Report 1002, Metropolitan Planning Organizations: Strategies for Future Success
NCHRP 20-123(24) - An Integrated Roadmap Approach to Multimodal Facility Selection for Delivering Transportation Projects
NCHRP 22-47A - Incorporating Driver Behavior and Characteristics into Safety Prediction Methods
NCHRP 23-33 - Managed Retreat To Address Extreme Weather, Natural Hazards, and Climate Impacts
NCHRP 23-34 - Performance Measures for Community-Centered Transportation Outcomes: A Guide
NCHRP 25-70 - Evaluating Carbon Reduction in Project Selection and Planning
TCRP A-36A - Transportation Emergency Response Application (TERA): Migration Options Beyond 2020
TCRP A-50 - Practical Considerations for Developing Transition Plans to Zero-Emission Fleets
TCRP D-23 - Manual for Planning and Constructing a Small, Rural, or Tribal Transit Facility
TCRP Synthesis J-07/Topic SB-37 - Transit Agency Goals and Non-Traditional Performance Indicators Focused on Equity
TRB/AAMVA 19-01 - Demographic and Technological Trends Impacting the DMV of the Future

Reports from the National Academies Press on Planning & Forecasting

Transportation and Infrastructure » Planning and Forecasting
Community-Driven Relocation: Recommendations for the U.S. Gulf Coast Region and Beyond
Incorporating Climate Change and Climate Policy into Macroeconomic Modeling: Proceedings of a Workshop
Wildland Fires: Toward Improved Understanding and Forecasting of Air Quality Impacts
Anticipating Rare Events of Major Significance
Planning the Future Space Weather Operations and Research Infrastructure
Taking Stock of Science Standards Implementation: Planning for Progress
Systematizing the One Health Approach in Preparedness and Response Efforts for Infectious Disease Outbreaks
Offshore Situation Room - Enhancing Resilience to Offshore Oil Disasters in the Gulf of Mexico: Proceedings of a Workshop

Committees & Panels

Sign-up to be a committee "Friend"

TRB Standing Committees – Search by transportation mode and committee topic
AE000 - Data, Planning, and Analysis Group
AEP10 - Transportation Planning and Analysis
AEP10 - Transportation Planning Policy and Processes
AEP15 - Transportation Planning Analysis and Application
AEP50 - Transportation Demand Forecasting
AMR40 - Systems, Enterprise, and Cyber Resilience
AME50 - Extreme Weather and Climate Change Adaptation
AP025 - Public Transportation Planning and Development
AT015 - Freight Transportation Planning and Logistics
AV020 - Aviation System Planning
AV040 - Aviation Economics and Forecasting

Task Forces - Search for task force under committee here
A0020T – Climate Change and Energy

CRP Panels – Select CRP Panel and Synthesis Panel and search by mode/topic
D03114 - Planning and Evaluating Active Traffic Management Strategies
D03148 - Capabilities, Requirements, Planning, and Preparing to Virtually Operate Traffic Management Systems (TMSs)
D0737 - Update of the AASHTO Guide for the Planning, Design and Operation of Pedestrian Facilities
D08119 - Developing Data Standards and Guidance for Transportation Planning and Traffic Operations – Phase I
Recent and Upcoming Events

- Metropolitan Planning Organizations: Transportation Partnerships for the 21st Century
- Snapshots of Planning Practices
- Incorporating Resilience Concepts and Strategies in Transportation Planning Efforts
- Strategies for Improving Diversity, Equity, and Inclusion in the Transportation Planning Profession
- Guidance for Agencies to Incorporate Uncertainty into Long-Range Transportation Planning
- Institutionalizing Safe Systems and Safety Culture in the Transportation Planning Process
- Best Practices for Distributed Rainfall-Runoff Models to Transform Hydrologic and Hydraulic Modeling for Resilient Transportation Planning and Design
- Use and Application of Generative AI Models (e.g., ChatGPT, Bard) in the Context of Transportation Planning
- Research for AASHTO Standing Committee on Planning: Support for Improved Transportation Planning and Project Development
- Improving Mid-Term, Intermediate, and Long-Range Cost Forecasting: Guidance for State Departments of Transportation
- Guide on Progressive Design-Build for Transportation Projects: Project Planning through Project Implementation
- Applying the Safe System Approach to Transportation Planning, Design, and Operations in the United States
- Incorporating Road Safety Planning in the Highway Safety Manual
- Incorporating New Mobility Options into Travel Demand Forecasting and Modeling
- Transportation Asset Management Strategic Planning and Research Roadmap Development
- Strategic Plan and Research Roadmap for AASHTO Committee on Planning
- Incorporating Public Health Outcomes into the Transportation Planning and Decision-Making Process
- Guidelines for Selecting Travel Forecasting Methods and Techniques (NCHRP 08-94)
- Implementation of Scenario Planning at State DOTs
- Implementing the Research Results of NCHRP Research Report 1002, Metropolitan Planning Organizations: Strategies for Future Success
- Planning for 4.9 GHz Spectrum Changes — What Transportation Agencies Need to Know
- Guidance in Planning for Managed Retreat as an Extreme Weather and Climate Adaptation Strategy
- General Aviation Airports and Resilience: Complete Toolkits for Self-Directed Planning
- Electric Aircraft on the Horizon -- An Airport Planning Perspective
- Airside Planning, Design and Operations: Electronic Resource Delivery
- Incorporating Shock Events into Traffic and Forecasting and Airport Planning
- ACRP Policy and Planning Product Updates
- Integrated Contingency Planning for Small and Non-Hub Airports
- Guidance for Planning for Future Electric Vehicle Growth at Airports
- Airport Terminal Ancillary Service Spaces and Restroom Planning and Design
- Update to ACRP Report 25: Airport Passenger Terminal Planning and Design
- Research Roadmap on Policy and Planning Issues
- Evaluation of the Planning and Environment Linkages Program
- Subcommittee on Planning and Policy Review
- Resilience in Transportation Planning, Engineering, Management, Policy, and Administration
- Use of Probe Data for Freight Planning and Operations
- Integrating Freight into Policies, Planning, and Project Development for Active Transportation
- Practices to Address Climate Change in the Transportation Planning Process
- Practices for Transportation Planning in Non-Metropolitan Areas
- Planning and Operations Initiatives to Support Nighttime Off-Peak Transit Ridership
- Planning for the Travel Needs of Women
- Transit Prioritization Scoring Methodology in Metropolitan Planning Organizational Programing
- Resilience and Emergency Response Planning for Zero-Emission Fleets

Councils
- Young Members Coordinating Council
- City Transportation Issues Coordinating Council
- Rural Transportation Issues Coordinating Council
Upcoming Events – In the Upcoming Events tab under Types, choose what event you are interested in, search titles by keyword

**TRB Webinar: Managing the Shift to a Flexible Work Future**  
*May 20, 2024*

**Data, Metrics, and Analytic Methods for Assessing Equity Impacts of Surface Transportation Investments: Phase 2 Study to Support State and Local Decision Making Meeting #4**  
*May 22-23, 2024*  
*Washington, DC*

**TRB Webinar: Enhancing the Airport Experience with Wayfinding**  
*May 23, 2024*

**FAA Planning for Air Traffic Control Facility Staffing Meeting #1**  
*June 3-4, 2024*

**TRB’s 4th International Conference on Access Management**  
*June 24-26, 2024*  
*Boston, MA*

Past Events - In the Past Events tab under Types, choose what event you are interested in, search titles by keyword

**International Conference on Road Weather and Winter Maintenance**  
*May 9-10, 2023*  
*Washington, D.C.*

**National Aviation System Planning Symposium**  
*May 15-18, 2023*  
*Irving, CA*

**Innovations in Travel Analysis and Planning Conference**  
*June 4-6, 2023*  
*Indianapolis, IN*

**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 International Conference on Low Volume Roads**  
*July 23-26, 2023*  
*Cedar Rapids, IA*

**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](http://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](http://trt.trb.org) - A tool to improve the indexing and retrieval of transportation information.
- **Research in Progress (RiP) Database** – [rip.trb.org](http://rip.trb.org) - Current or recently completed transportation research projects
- **Publications Index (PubsIndex) Database** – [pubsindex.trb.org](http://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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