TRB Snap Search: Planning & Forecasting

TRB’s involvement in research on Planning & Forecasting from 2022-2023

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: 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)
  - Report 240 - Primer for Airport Organizational Redesign
  - Report 236 - Preparing Your Airport for Electric Aircraft and Hydrogen Technologies
  - Synthesis 118 - Airport Parking Pricing Strategies

- National Cooperative Highway Research Program (NCHRP)
  - NCHRP 20-44(30) - Measuring the Effectiveness of Public Involvement at Five State Departments of Transportation
  - NCHRP 20-123(01) - Transportation Asset Management Strategic Planning and Research Roadmap Development
  - Transportation: Implementation of the NCHRP Research Report 905 Toolkit
  - NCHRP 20-123(04) - Development of a Risk Management Strategic Plan and a Research Roadmap
  - Report 1035 - Guide to Effective Methods for Setting Transportation Performance Targets
  - Report 1008 - Attracting, Retaining, and Developing the 2030 Transportation Workforce: Design, Construction, and Maintenance
  - Report 1004 - Federal Funding Uncertainty in State, Local, and Regional Departments of Transportation: Impacts, Responses, and Adaptations
  - Report 1002 - Metropolitan Planning Organizations: Strategies for Future Success
  - Report 998 - Planning Freight-Efficient Land Uses: Methodology, Strategies, and Tools
  - Synthesis 592 - Practices for Balancing Safety Investments in a Comprehensive Safety Program
  - Web-Only Document 330 - Accessibility Measures in Practice
Web-Only Document 318 - Safety Prediction Models for Six-Lane and One-Way Urban and Suburban Arterials
Web-Only Document 317 - Developing a Guide for Managing Performance to Enhance Decision-Making

**Transport Cooperative Research Program (TCRP)**
- IDEA Report 96 - Multi-stage Planning for Electrifying Transit Bus Systems with Multi-format Charging Facilities
- Report 238 - Quantitative Procedures for Designing and Operating Ferry Services
- Report 232 - The Impacts of Vehicle Automation on the Public Transportation Workforce

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

**Current & Upcoming Projects**

**Current Projects**
- ACRP 01-36 - Guidebook for Developing State Aviation System Plans
- ACRP 01-41 - Airport Blockchain Implementation Guidebook
- ACRP 01-49 - The Evolution of Knowledge Management at Airports
- ACRP 02-92 - Creating Self-Directed Resiliency Plans at GA Airports
- ACRP 02-93 - Guidebook for PFAS Management at Airports
- ACRP 02-96 - Update ACRP Report 99: Guidance for Treatment of Airport Stormwater Containing Deicers
- ACRP 02-99 - Incorporating Environmental Justice and Equity Principles and Data into Airport Decision-Making
- ACRP 03-49 - Effective Collaboration to Plan and Respond to Communicable Disease Threats
- ACRP 03-59 - Strategies to Address Homelessness at Airports
- ACRP 03-60 - Incorporating Shock Events into Aviation Demand Forecasting and Airport Planning
- ACRP 03-62 - A Toolkit for Establishing Airport Catchment Areas
- ACRP 03-63 - Modernizing Air Cargo Operations and Infrastructure at U.S. Airports
- ACRP 03-65 - ACRP Policy and Planning Product Updates
- ACRP 03-66 - Guidebook for Digital Twin Programs at Airports
- ACRP 03-68 - Integration of Contingency Planning for Small Airports
- ACRP 04-25 - Airports and Communicable Diseases—Preparedness and Response
- ACRP 07-19 - Update to ACRP Report 25: Airport Passenger Terminal Planning and Design
- ACRP 10-30 - Evaluating the Effectiveness of an Airport’s Wildlife Hazard Management Program
- ACRP 11-05 - Tactical Initiatives from the ACRP Strategic Plan
- ACRP 11-08(20-01) - ACRP Insight Event--Future of Aviation
- ACRP 11-11/Task 01 - Knowledge Transfer of Lessons Learned From ACRP Product Implementation
- ATR 17-05 - Developing an Airport's Wildlife Hazard Management Program
- ATR 17-07 - Leveraging Artificial Intelligence and Big Data to Enhance Safety Analysis
- ATR 18-06 - Transitioning Fuel Tax Assessments to a Road Usage Charge
- ATR 18-07 - Review of Statutory and Case Law on Planning and Environmental Linkages
- ATR 18-09 - Developing Data Standards and Guidance for Transportation Planning and Traffic Operations - Phase 1
- ATR 18-12 - Accessing America's Great Outdoors: Forecasting Recreational Travel Demand
Upcoming Projects

- NCHRP 20-24(131) - Mapping the Common Interests of AASHTO Committees
- NCHRP 20-24(138) - Collective and Individual Actions for State Departments of Transportation Envisioning and Realizing the Next Era of America’s Transportation Infrastructure – Phase I
- NCHRP 20-44(32) - Guidelines for Selecting Travel Forecasting Methods and Techniques—Implementation
- NCHRP 20-65/Task 78 - Impact of Decline in Volunteerism on Rural Transit Systems
- NCHRP 20-65/Task 81 - Best Practices in Rural Service Assessment
- NCHRP 20-65/Task 82 - Issues Associated with Providing Customized, Client-Based Transportation Services Models
- NCHRP 20-102 - Impacts of Connected, Automated Vehicles on State and Local Transportation Agencies--Task-Order Support
- NCHRP 20-102(16) - Impacts of Connected, Automated Vehicle Technologies on Traffic Incident Management Response
- 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 20-102(27) - Realistic Timing Estimates for Automated Vehicle Implementation
- NCHRP 20-102(34) - Toolbox for Navigating the Land-Use Impacts of the Automated Vehicle Ecosystem
- NCHRP 20-123 - Support for AASHTO Committees and Councils
- NCHRP 20-123(12) - System Mobility and Emerging Technologies (SMET): Strategic Planning Session and Research Roadmap Development
- NCHRP 20-123(13) - Strategic Plan and Research Roadmap for the AASHTO Committee on Planning
- NCHRP 20-125 - Strategies for Incorporating Resilience into Transportation Networks
- NCHRP 20-126 - Support for Critical Issues in Transportation and Commitment to the Future HIS
- 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 22-48 - Development of Crash Prediction Models for Short-Term Durations
- NCHRP 23-07 - Effective Methods for Setting Transportation Performance Targets
- NCHRP 23-14 - Research Roadmap for Knowledge Management
- NCHRP 23-15 - Guidance on Risks Related to Emerging and Disruptive Transportation Technologies
- NCHRP 23-16 - Implementing and Leveraging Machine Learning at State Departments of Transportation
- NCHRP Synthesis 20-05/Topic 53-04 - Practices in the Collection and Use of Utility As-Built Information for Minimizing Project Risks
- NCHRP Synthesis 20-05/Topic 54-05 - Practices for Statewide and MPO Coordination
- NCHRP Synthesis 20-05/Topic 54-07 - Visualization for Public Involvement
- NCHRP Synthesis 20-05/Topic 54-08 - Practices for Integrating Performance-Based Plans with Long-Range Transportation Plans and Statewide Transportation Investment Programs
- NCHRP Synthesis 20-05/Topic 54-12 - Programmatic Implementation of Alternative Contracting Methods
- NCHRP Synthesis 20-05/Topic 54-21 - Practices to Address Climate Change in the Transportation Planning Process
- TCRP B-47 - Impact of Transformational Technologies on Underserved Populations
- TCRP D-21 - Planning for Innovation & Emerging Mobility Futures at Intermodal Passenger Facilities
- TCRP H-59 - Racial Equity, Black America and Public Transportation
- TCRP I-11 - Quick-Response Research on Long-Term Strategic Issues
- TCRP I-11/Task 41 - Pathways to Effective, Inclusive, and Equitable Virtual Public Engagement for Public Transportation

- Upcoming Projects
- 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 02-98 - Airport Energy Resiliency Primer and Roadmap
- ACRP 03-71 - Guidelines for Planning for Future Growth of Electric Vehicles at Airports
- ACRP 03-74 - ACRP WebResource to Support Research into Air Traveler Choice Models
- ACRP 04-30 - Airport Emergency Management Capabilities Development
- ACRP 04-34 - Best Practices for Building and Improving an Aircraft Rescue and Firefighting Program
- ACRP 07-21 - Understanding Opportunities of Deploying Private Wireless Network at Airports
- ACRP 10-33 - Incorporating Emerging Transportation and Ground Access Technologies at Airports
- ACRP 10-35 - Automatic Dependent Surveillance-Broadcast (ADS-B) Airport Traffic Count Validation and Recommendations
- ACRP 11-02/Task 43 - Successful Community Inclusion in Advanced Air Mobility
- TBSRCP BTS-24 - Multi-Solving Safety Approach - Stepping Away from Silos to Achieve a Safer System
- NCHRP 05-25 - Guide to the Contextual Application of Overhead Lighting on Highways
- NCHRP 08-171 - Institutionalizing Safe Systems and Safety Culture in the Transportation Planning Process
- NCHRP 08-173 - Impacts of E-Commerce on Travel and Land Use Patterns
- NCHRP 08-170 - Frameworks, Guidance, and Tools to Support Post-Implementation Evaluation of Transportation Projects
- NCHRP 08-169 - Equity, Diversity, and Inclusion and Other Indicators to Improve Transportation Asset Management Impact and Outcomes
- NCHRP 08-165 - Integrating Active Transportation Data into Transportation Decision-Making
- NCHRP 08-164 - Institutional Integration of Active Transportation
- NCHRP 08-161 - Cultivating Accountability Through Meaningful Public Engagement
- NCHRP 08-156 - Planning for Innovative and Emerging Mobility Futures at Intermodal Passenger Facilities
- NCHRP 08-153 - A Guide for the Development and Use of Truck Traffic Forecasts in Design
- NCHRP 08-152 - Strategies for Improving Diversity, Equity, and Inclusion in the Transportation Planning Profession
- NCHRP 08-150 - Valuation of Transportation Equity in Active Transportation and Safety Investments
- NCHRP 08-146 - Integrating Resiliency into Transportation System Operations
- NCHRP 08-144 - Best Practices in Determining Rural Transit Fleet Size – How to Provide Service for Changing Demographics of Rural Ridership (Right-sizing of Rural Transit Fleets)
- NCHRP 08-141 - A Guidebook for Local Truck Parking Regulations
- NCHRP 08-138 - Guide to the Integration of Transportation Systems Management and Operations into Transportation Asset Management
- NCHRP 08-136 - Guidance on Using Performance-Based Management Approaches for Maintenance
- NCHRP 08-128 - Snapshots of Planning Practices
- NCHRP 10-115 - Guide on Progressive Design-Build for Transportation Projects
- NCHRP 14-36(01) - Implementation of Bridge Preservation Actions
- NCHRP 17-107 - Work Zone Intrusion Frequency and Characteristics
- NCHRP 19-22 - Future Equity Impacts of Existing Fuel Taxes
- NCHRP 19-23 - Revenue-Related Strategies for New Mobility Options
- 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(41) - Deploying Transportation Resilience Practices in State DOTs: Implementation
- NCHRP 20-102(24) - Infrastructure Modifications to Improve the Operational Conditions of Automated Vehicles
- NCHRP 20-123(18) - Development of a New Transportation System Operations Strategic Plan
- NCHRP 22-47A - Incorporating Driver Behavior and Characteristics into Safety Prediction Methods
- NCHRP 23-13 - Transportation Research Related to COVID-19
- NCHRP 23-24 - Methods to Allow Agencies to Incorporate Quantitative Risk Assessment at Project and Network Level
- NCHRP 23-33 - Guidance in Planning for Managed Retreat as an Extreme Weather and Climate Adaptation Strategy
- TCRP Synthesis 20-05/Topic 54-04 - Mobile Devices as a Tool for Digitalized Project Documentation and Inspection
- TCRP A-36A - Transportation Emergency Response Application (TERA): Migration Options Beyond 2020
- TCRP Synthesis J-07/Topic SB-37 - Transit Agency Goals and Non-Traditional Performance Indicators Focused on Equity
- TRB/AAMVA 19-01 - RFQ: Demographic and Technological Trends Impacting the DMV of the Future
- TFPE 04 - Evaluation of FHWA’s Every Day Counts Program
- TFPE 05 - Evaluation of FHWA’s Every Day Counts Innovation Integrating NEPA and Permitting

Reports from the National Academies Press on Planning & Forecasting

- Transportation and Infrastructure » Planning and Forecasting
- 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
The document contains a list of task forces, CRP panels, and councils related to transportation planning and analysis. Here is the extracted text in a more readable format:

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

**CRP Panels**
- D03114 - Planning and Evaluating Active Traffic Management Strategies
- D03131 - Guidance for Planning and Implementing Multimodal, Integrated Corridor Management
- D03148 - Capabilities, Requirements, Planning, and Preparing to Virtually Operate Traffic Management Systems (TMS)
- D08119 - Developing Data Standards and Guidance for Transportation Planning and Traffic Operations – Phase I
- D08122 - Metropolitan Planning Organizations: Transportation Partnerships for the 21st Century
- D08128 - Snapshots of Planning Practices
- D08129 - Incorporating Resilience Concepts and Strategies in Transportation Planning Efforts
- D08152 - Strategies for Improving Diversity, Equity, and Inclusion in the Transportation Planning Profession
- D08154 - Guidance for Agencies to Incorporate Uncertainty into Long-Range Transportation Planning
- D08171 - Institutionalizing Safe Systems and Safety Culture in the Transportation Planning Process
- D0836 - Research for AASHTO Standing Committee on Planning: Support for Improved Transportation Planning and Project Development
- D10101 - Improving Mid-Term, Intermediate, and Long-Range Cost Forecasting: Guidance for State Departments of Transportation
- D10115 - Guide on Progressive Design-Build for Transportation Projects: Project Planning through Project Implementation
- D17101 - Applying the Safe System Approach to Transportation Planning, Design, and Operations in the United States
- D2010229 - Incorporating New Mobility Options into Travel Demand Forecasting and Modeling
- D2012301 - Transportation Asset Management Strategic Planning and Research Roadmap Development
- D2012313 - Strategic Plan and Research Roadmap for AASHTO Committee on Planning
- D204432 - Guidelines for Selecting Travel Forecasting Methods and Techniques (NCHRP 08-94)
- D2328 - Planning for 4.9 GHz Spectrum Changes — What Transportation Agencies Need to Know
- D2333 - Guidance in Planning for Managed Retreat as an Extreme Weather and Climate Adaptation Strategy
- DA0292 - General Aviation Airports and Resilience: Complete Toolkits for Self-Directed Planning
- DA0351 - Electric Aircraft on the Horizon – An Airport Planning Perspective
- DA0360 - Incorporating Shock Events into Traffic and Forecasting and Airport Planning
- DA0365 - ACRP Policy and Planning Product Updates
- DA0368 - Integrated Contingency Planning for Small and Non-Hub Airports
- DA0371 - Guidance for Planning for Future Electric Vehicle Growth at Airports
- DA0716 - Airport Terminal Ancillary Service Spaces and Restroom Planning and Design
- DA0719 - Update to ACRP Report 25: Airport Passenger Terminal Planning and Design
- DA110233 - Research Roadmap on Policy and Planning Issues
- SC005 - Subcommittee on Planning and Policy Review
- SN4813 - Resilience in Transportation Planning, Engineering, Management, Policy, and Administration
- SN5314 - Use of Probe Data for Freight Planning and Operations
- SN5317 - Integrating Freight into Policies, Planning, and Project Development for Active Transportation
- SN5421 - Practices to Address Climate Change in the Transportation Planning Process
- TH58 - Transit Prioritization Scoring Methodology in Metropolitan Planning Organizational Programing
- TH61 - Resilience and Emergency Response Planning for Zero-Emission Fleets

**Councils**
- A001C – Young Members Coordinating Council
Recent and Upcoming Events

**Upcoming TRB Conferences** – Use left hand menu to filter events

- **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*

**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)**

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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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