TRB Snap Search: Planning & Forecasting

TRB’s involvement in research on Planning & Forecasting from 2020-2021

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 and projects on Planning & Forecasting within the past year.

Subject Webpage

- Planning & Forecasting Research at TRB

Recent Reports & Publications

- **Airport Cooperative Research Program (ACRP)**
  - Report 223 - Performance Measures for State Aviation Agencies
  - Report 218 - Building and Maintaining Air Service Through Incentive Programs
  - Report 216 - Guidebook for Assessing Collaborative Planning Efforts Among Airport and Public Planning Agencies
  - Web-Only Document 49 - Research Roadmap on Airport Administration & Human Resource Issues
  - Web-Only Document 45 - Airport Environmental Research Roadmap Narrative Report

- **National Cooperative Highway Research Program (NCHRP)**
  - NCHRP 20-44(13) - Implementation of NCHRP Research Report 893: The Oregon DOT Statewide Pedestrian and Bicycle Plan
  - Report 963 - A Pandemic Playbook for Transportation Agencies (TCRP Report 225)
  - Report 953 - Improving Mid-Term, Intermediate, and Long-Range Cost Forecasting: Guidebook for State Transportation Agencies
  - Report 945 - Strategies for Work Zone Transportation Management Plans
  - Report 937 - Guidebook for Implementing Alternative Technical Concepts in All Types of Highway Project Delivery Methods
  - Report 934 - Traffic Forecasting Accuracy Assessment Research
  - Report 917 - Right-Sizing Transportation Investments: A Guidebook for Planning and Programming
  - Report 899 - Broadening Integrated Corridor Management Stakeholders
  - Synthesis 558 - Availability and Use of Pedestrian Infrastructure Data to Support Active Transportation Planning
  - Synthesis 556 - Asset Management Approaches to Identifying and Evaluating Assets Damaged Due to Emergency Events
  - Web-Only Document 287 - Planning and Implementing Multimodal, Integrated Corridor Management: Guidebook
• **Web-Only Document 283** - Improving Mid-Term, Intermediate, and Long-Range Cost Forecasting for State Transportation Agencies
• **Web-Only Document 281** - Integrating Tribal Expertise into Processes to Identify, Evaluate, and Record Cultural Resources

- **Transport Cooperative Research Program (TCRP)**
  - TCRP H-56 - Redesigning Public Transportation Networks for a New Mobility Future
  - Report 225 - A Pandemic Playbook for Transportation Agencies (NCHRP Report 963)
  - Report 214 - Equity Analysis in Regional Transportation Planning Processes, Volume 1: Guide
  - Report 214 - Equity Analysis in Regional Transportation Planning Processes, Volume 2: Research Overview
  - Report 208 - Strategic Communications Toolkit to Improve Support for Transit-Priority Projects

- **Transportation Research Circulars**
  - E-Circular 263 - Conference on Performance and Data in Transportation Decision Making

**Current & Upcoming Projects**

- **Current Projects**
  - ACRP 01-36 - Guidebook for Developing State Aviation System Plans
  - ACRP 03-46 - Implementing Airport Privatization: Guidance for Airport Decision Makers
  - ACRP 03-47 - Rethinking Airport Parking Facilities to Protect and Enhance Non-Aeronautical Revenue
  - ACRP 03-49 - Effective Collaboration to Plan and Respond to Communicable Disease Threats
  - ACRP 03-50 - An Airport-Centric Study of the Urban Air Mobility Market
  - ACRP 03-51 - Electric Aircraft on the Horizon -- An Airport Planning Perspective
  - ACRP 04-24 - Guidelines to Develop an Anti-Human Trafficking Action Plan for Airports
  - ACRP 08-03 - Construction Safety and Phasing Plans
  - ACRP 10-26 - Airport Micro-grid Implementation Toolkit
  - ACRP 11-05 - Tactical Initiatives from the ACRP Strategic Plan
  - ACRP 11-08(20-01) - ACRP Insight Event--Future of Aviation
  - ACRP Synthesis 11-03/Topic S04-24 - Airport Practices in Airport Emergency Plans
  - BTSCRPT BTS-07 - Assessing the Impacts of Connected, Automated, and Autonomous Vehicles on the Future of Transportation Safety (jointly funded with NCHRP 17-91)
  - NCHRP 02-27 - Making Targets Matter: Managing Performance to Enhance Decision-Making
  - NCHRP 03-128 - Business Intelligence Techniques for Transportation Agency Decision Making
  - NCHRP 08-109 - Developing Data Standards and Guidance for Transportation Planning and Traffic Operations - Phase 1
  - NCHRP 08-111 - Effective Decision-Making Methods for Freight-Efficient Land Use
  - NCHRP 08-113 - Integrating Effective Transportation Performance, Risk, and Asset Management Practices
  - NCHRP 08-118 - Risk Assessment Techniques for Transportation Asset Management
  - NCHRP 08-119 - Developing Data Standards and Guidance for Transportation Planning and Traffic Operations - Phase 1
  - NCHRP 14-42 - Determining the Impact of Connected and Automated Vehicle Technology on State DOT Maintenance Programs
  - NCHRP 17-82 - Proposed Guidance for Fixed Objects in the Roadside Design Guide
  - NCHRP 20-06/Topic 25-07 - Review of Statutory and Case Law on Planning and Environmental Linkages
  - NCHRP 20-44(02) - Implementation of the AASHTO Guide for Enterprise Risk Management
  - NCHRP 20-44(301) - Measuring the Effectiveness of Public Involvement at Five State Departments of Transportation: Implementation of the NCHRP Research Report 905 Toolkit
  - 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
• Upcoming Projects
  o ACRP 11-02/Task 40 - Quick Response: Primer for Airport Organizational Redesign
  o ACRP 09-20 - Quantifying the Impacts of Delayed Maintenance of Airport Assets
  o ACRP 03-62 - A Toolkit for Establishing Airport Catchment Areas
  o ACRP 03-60 - Incorporating Shock Events into Traffic and Forecasting and Airport Planning
  o ACRP 03-59 - Airports and the Homeless
  o ACRP 02-92 - General Aviation Airports and Resilience: Complete Toolkits for Self-Directed Planning
  o ACRP Synthesis 11-03/Topic S03-16 - State Aviation Funding: Project Prioritization and Selection Processes
  o NCHRP 08-142 - Virtual Public Involvement: A Manual for Effective, Equitable, and Efficient Practices for Transportation Agencies
  o NCHRP 08-134 - Integrating Freight Movement into 21st Century Communities’ Land Use, Design, and Transportation Systems
  o NCHRP 08-131 - Access to Jobs, Economic Opportunities, and Education in Rural Areas
  o NCHRP 08-132 - Accessing America’s Great Outdoors: Forecasting Recreational Travel Demand
  o NCHRP 08-129 - Incorporating Resilience Concepts and Strategies in Transportation Planning Efforts
  o NCHRP 08-128 - Snapshots of Planning Practices
  o NCHRP 20-123(10) - AASHTO Committee on Bridges and Structures Strategic Plan, Operating Guidelines, and Research Roadmap Development
  o NCHRP 13-06A - Guide for the Formulation of Long-Range Plans and Budgets for Replacement of Highway Operations Equipment
  o NCHRP 23-03 - Targeted Guidance and Information Support to State DOT CEOs on Cybersecurity Issues and Protection Strategies
  o NCHRP 23-07 - Guidebook for Identifying and Implementing Forecasting Techniques for Effective Target Setting
  o NCHRP 23-15 - Prioritization of Risks Related to Connected and Automated Vehicles and Emerging Technologies
  o NCHRP 22-48 - Methods for Short-Term Crash Prediction
  o NCHRP 20-06/Topic 25-07 - Review of Statutory and Case Law on Planning and Environmental Linkages
  o NCHRP 20-24(119) - Strategic Research in Support of the Connected and Automated Vehicle Executive Leadership Team
  o NCHRP 20-24(126) - National Automation Readiness Framework: Coast-to-Coast Automated Mobility by 2025
  o NCHRP 20-24(131) - Mapping the Common Interests of AASHTO Committees
  o NCHRP 20-59(56) - Support for State DOT Transportation Systems Resilience and All-Hazards Programs
Reports from the National Academies Press on Planning & Forecasting

- Life-Cycle Decisions for Biomedical Data - The Challenge of Forecasting Costs
- Weapons System Sustainment Planning Early in the Development Life Cycle
- Models to Inform Planning for the Future of Electric Power in the United States
- Planning for Long-Term Use of Biomedical Data
- Facilities Staffing Requirements for the Veterans Health Administration—Resource Planning and Methodology for the Future
- Safeguarding the Bioeconomy

Committees & Panels

Sign-up to be a committee "Friend"

TRB Standing Committees – Search by transportation mode and committee topic
- AD000 - Planning and Environment Group
- ADA00 - Transportation System Policy, Planning and Process
- ADA50 - Transportation Programming and Investment Decision-Making
- ADB00 - Travel Analysis Methods
- ADB45 - Travel Forecasting Resources
- AEP10 - Transportation Planning Policy and Processes
- AEP15 - Transportation Planning Analysis and Application
- AEP20 - Transportation Needs of National Parks and Public Lands
- AEP30 - Traveler Behavior and Values
- AEP35 - Effects of Information and Communication Technologies (ICT) on Travel Choices
- AEP40 - Transportation Network Modeling
- AEP50 - Transportation Demand Forecasting
- AIE40 - Public Engagement and Communications
- AMS50 - Economic Development and Land Use
- AP025 - Public Transportation Planning and Development
- ATO15 - 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

- Project Panels Related to Planning and Forecasting

Councils

- A001C – Young Members Coordinating Council

Recent and Upcoming Events

Upcoming Conferences - Left hand menu “upcoming conferences by topic”
Conferences cosponsored by TRB are denoted with an asterisk.

**2021 NAEP Annual Conference and Training Symposium***
May 16, 2021
Phoenix, AZ

**TRB Conference on Planning Applications**
June 21, 2021
Online

**2021 Conference on Sustainability and Emerging Transportation Technology**
June 29, 2021
Irvine, CA

**Geo-Extreme Conference***
August 15, 2021
Savannah, GA

**Webinars** – View upcoming webinars, suggest a webinar or add registration information

**Past Webinars**

  o  [Planning & Forecasting Sessions](#)

**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)](http://trid.trb.org) – The world’s largest and most comprehensive bibliographic source on all modes and disciplines of transportation
- [Transportation Research Thesaurus (TRT)](http://trt.trb.org) – A tool to improve the indexing and retrieval of transportation information.
- [Research in Progress (RiP) Database](http://rip.trb.org) – Current or recently completed transportation research projects
- [Research Needs Statements (RNS)](http://rns.trb.org) – Research needs as identified by TRB Technical Activities standing committees
- [Publications Index (PubsIndex) Database](http://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](mailto:TRBLibrary@nas.edu)