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](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.

**Specialty Reports**

- Critical Issues in Transportation 2019
- COVID-19 Addendum to Critical Issues in Transportation

**Subject Webpage**

- Planning & Forecasting Research at TRB

**Recent Reports & Publications**

- **Airport Cooperative Research Program (ACRP)**
  - Report 223 - Performance Measures for State Aviation Agencies
  - Report 221 - Measuring Quality of Life in Communities Surrounding Airports
  - Report 218 - Building and Maintaining Air Service Through Incentive Programs
  - Report 216 - Guidebook for Assessing Collaborative Planning Efforts Among Airport and Public Planning Agencies
  - Synthesis 108 - Characteristics of the FBO Industry 2018-2019
  - Web-Only Document 49 - Research Roadmap on Airport Administration & Human Resource Issues
  - Web-Only Document 45 - Airport Environmental Research Roadmap Narrative Report

- **Conference Proceedings**

- **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 941 - Bicyclist Facility Preferences and Effects on Increasing Bicycle Trips

Updated 03/23/2021
Current & Upcoming Projects

**Transport Cooperative Research Program (TCRP)**
- TCRP H-56 - Redesigning Public Transportation Networks for a New Mobility Future
- IDEA Report 93 - An Open Platform for Transit Agencies to Improve the Quality of Their Real-Time Data
- Report 225 - A Pandemic Playbook for Transportation Agencies (NCHRP Report 963)
- Report 224 - Guide to Joint Development for Public Transportation Agencies
- Report 223 - Guidebook and Research Plan to Help Communities Improve Transportation to Health Care Services
- Report 221 - Redesigning Transit Networks for the New Mobility Future
- Report 220 - Low-Speed Automated Vehicles (LSAVs) in Public Transportation
- 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 209 - Analysis of Recent Public Transit Ridership Trends
- Report 208 - Strategic Communications Toolkit to Improve Support for Transit-Priority Projects

**Transportation Research Circulare**
- E-Circular 269 - 2020 Commodity Flow Survey Workshop
- E-Circular 268 - Insights, Inclusion, and Impact: Framing the Future for Women in Transportation
- E-Circular 264 - Conference on Health and Active Transportation
- E-Circular 263 - Conference on Performance and Data in Transportation Decision Making

Current & Upcoming Projects
- Initiating the Systems Engineering Process for Rural Connected Vehicle Corridors
- Accessibility Measures in Practice: Guidance for Transportation Agencies
- Metropolitan Planning Organizations: Transportation Partnerships for the 21st Century
- Incorporating Resilience Concepts and Strategies in Transportation Planning
- Access to Jobs, Economic Opportunities, and Education in Rural Areas
- Accessing America's Great Outdoors: Forecasting Recreational Travel Demand
- Reliability and Quality of Service Evaluation Methods for Rural Highways
- Guide for the Formulation of Long-Range Plans and Budgets for Replacement of Highway Operations Equipment
- Determining the Impact of Connected and Automated Vehicle Technology on State DOT Maintenance Programs
- Proposed Macro-Level Safety Planning Analysis Chapter for the Highway Safety Manual
- Proposed Guidance for Fixed Objects in the Roadside Design Guide
- Assessing the Impacts of Automated Driving Systems (ADS) on the Future of Transportation Safety
- Review of Statutory and Case Law on Planning and Environmental Linkages
- Mapping the Common Interests of AASHTO Committees
- Implementation of the AASHTO Guide for Enterprise Risk Management
- Measuring the Effectiveness of Public Involvement at Five State Departments of Transportation: Implementation of the NCHRP Research Report 905 Toolkit
- Impact of Decline in Volunteerism on Rural Transit Systems
- Best Practices in Rural Service Assessment
- Issues Associated with Providing Customized, Client-Based Transportation Services
- Impacts of Connected Vehicles and Automated Vehicles on State and Local Transportation Agencies--Task-Order Support
- Updated Research Roadmap for NCHRP 20-102, Impacts of Connected Vehicles and Automated Vehicles on State and Local Transportation Agencies
- Mobility-on-Demand and Automated Driving Systems: A Framework for Public-Sector Assessment
- State and Local Impacts of Automated Freight Transportation Systems
- Dynamic Curbside Management: Keeping Pace with New and Emerging Mobility and Technology in the Public Right of Way
- Topical White Papers for the TRB Forum on Automated Vehicles and Shared Mobility
- Transportation Asset Management Strategic Planning and Research Roadmap Development
- Research Roadmap for the AASHTO Council on Active Transportation
- Development of a Risk Management Strategic Plan and a Research Roadmap
- Feasibility Study for a Platform to Capture Innovations from State Departments of Transportation
- Strategies for Incorporating Resilience into Transportation Networks
- Programmatic Issues of Future System Performance
- State Transportation Agency Multifaceted Decision-Making for Future System Performance
- Business Case and Communications Strategies for State DOT Resilience Efforts
- Emergency Response: Organizational and Operational Models Used by State DOTs
- Development of Crash Prediction Models for Short-Term Durations
- Targeted Guidance and Information Support to State DOT CEOs on Cybersecurity Issues and Protection Strategies
- Effective Methods for Setting Transportation Performance Targets
- Methods for State DOTs to Reduce Greenhouse Gas Emissions from the Transportation Sector
- Practices for Selecting Pedestrian and Bicycle Projects
- Collaborative Practices for Performance-Based Asset Management between State Transportation Agencies and Metropolitan Planning Organizations
- Practices for Integrated Flood Prediction and Response Systems
- State DOT Practice for Developing and Implementing TSMO Plans
- Practices for Balancing Safety Investments in a Comprehensive Safety Program
- Measuring Investments in Active Transportation When Accomplished as Part of Other Transportation Projects
- Recent Decline in Public Transportation Ridership: Analysis, Causes, Responses
- Impact of Transformational Technologies on Underserved Populations
- Quick-Response Research on Long-Term Strategic Issues
- **TCRP Synthesis J-07/Topic SA-52** - Assessing Equity and Identifying Impacts Associated with Bus Network Redesigns
- **Transit IDEA J-04/IDEA 96** - Multi-stage Planning for Electrifying Transit Bus Systems with Multiformat Charging Facilities

**Upcoming Projects**
- **ACRP 11-02/Task 40** - Quick Response: Primer for Airport Organizational Redesign
- **ACRP 10-30** - Evaluating the Effectiveness of an Airport's Wildlife Hazard Management Program
- **ACRP 04-25** - Airports and Communicable Diseases—Preparedness and Response
- **ACRP 03-63** - Modernizing Air Cargo Operations and Infrastructure at U.S. Airports
- **ACRP 03-62** - A Toolkit for Establishing Airport Catchment Areas
- **ACRP 03-60** - Incorporating Shock Events into Aviation Demand Forecasting and Airport Planning
- **ACRP 03-59** - Strategies to Address Homelessness at Airports
- **ACRP 02-93** - Guidebook for PFAS Management at Airports
- **ACRP 02-92** - Creating Self-Directed Resiliency Plans at GA Airports
- **ACRP 01-49** - The Evolution of Knowledge Management at Airports
- **ACRP Synthesis J-11-03/Topic S03-16** - State Aviation Funding: Project Prioritization and Selection Processes
- **BTS/CRP BTS-14** - Informing the Selection of Countermeasures by Evaluating, Analyzing, and Diagnosing Contributing Factors that Lead to Crashes
- **NCHRP 07-30** - Methods for Assigning Short-Duration Traffic Volume Counts to Adjustment Factor Groups for Estimating AADT
- **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 08-142** - Virtual Public Involvement: A Manual for Effective, Equitable, and Efficient Practices for Transportation Agencies
- **NCHRP 08-134** - Integrating Freight Movement into 21st Century Communities’ Land Use, Design, and Transportation Systems
- **NCHRP 08-128** - Snapshots of Planning Practices
- **NCHRP 08-127** - Maximizing Proceeds from the Fleet Asset Disposal Sales Process
- **NCHRP 17-98** - Guide for Intersection Control Evaluation
- **NCHRP 19-18** - Transitioning Fuel Tax Assessments to a Road Usage Charge
- **NCHRP 20-24(119)** - Strategic Research in Support of the Connected and Automated Vehicle Executive Leadership Team
- **NCHRP 20-24(126)** - National Automation Readiness Framework: Coast-to-Coast Automated Mobility by 2025
- **NCHRP 20-102(25)** - Readiness and Effectiveness of Freeway-Based Corridor V2X Applications for Improving Congestion and Safety
- **NCHRP 20-102(27)** - Realistic Timing Estimates for Automated Vehicle Implementation
- **NCHRP 20-102(34)** - Land Use Impacts of Shared and Private AVs
- **NCHRP 20-123(10)** - AASHTO Committee on Bridges and Structures Strategic Plan, Operating Guidelines, and Research Roadmap Development
- **NCHRP 20-126** - Support for Critical Issues in Transportation and Commitment to the Future HIS
- **NCHRP 20-126(03)** - Advancing Practices of In Situ Nondestructive Evaluation of Highway System Asset Foundational Condition and Capability
- **NCHRP 23-13** - Transportation Research Related to COVID-19
- **NCHRP 23-14** - Research Roadmap for Knowledge Management
- **NCHRP 23-16** - Implementing and Leveraging Machine Learning at State Departments of Transportation
- **NCHRP 23-15** - Guidance on Risks Related to Emerging and Disruptive Transportation Technologies
- **TCRP A-36A** - Transportation Emergency Response Application (TERA): Migration Options Beyond 2020
- **TCRP A-46** - Quantitative Procedures for Designing and Operating Ferry Transit Services
- **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-05/Topic 19-05** - Legal Issues Surrounding Disasters and Evacuations
- **TCRP 1-11/Task 41** - The Opportunities and Challenges Associated With Virtual Public Engagement in Transportation Decision Making
- **TRB/AAMVA 19-01** - RFQ: Demographic and Technological Trends Impacting the DMV of the Future

**Reports from the National Academies Press on Planning & Forecasting**
- **Emergency Evacuation and Sheltering During the COVID-19 Pandemic**
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
- AJE40 – Public Engagement and Communications
- AMS50 – Economic Development and Land Use
- 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

- 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.)*

**Joint Rail Conference**
*April 20, 2021*
Online

**2021 NAEP Annual Conference and Training Symposium**
*May 16, 2021*
Online

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

**How We Move Matters: Exploring the Connections between New Transportation and Mobility Options and Environmental Health**
*July 1, 2021*
Online

**Automated Road Transportation Symposium 2021**
*July 12, 2021*
Online

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

**Conference on Sustainability and Emerging Transportation Technology**
*March 15-18, 2022
Irvine, CA*

**National Aviation System Planning Symposium**
*May 16, 2022
Irvine, California*

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

[Past Webinars]
  - 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)](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
- [Research Needs Statements (RNS)](rns.trb.org) - Research needs as identified by TRB Technical Activities standing committees
- [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](mailto:TRBLibrary@nas.edu)