TRB Snap Search: Planning & Forecasting

TRB’s involvement in research on Planning & Forecasting from 2019-2020

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 209 - Integrating Sustainability Planning and the Environmental Review Process
  - Report 206 - Guidebook on Effective Land Use Compatibility Planning Strategies for General Aviation Airports
  - Report 200 - Using GIS for Collaborative Land Use Compatibility Planning Near Airports
  - Research Results Digest 28 - Thought Leader Forum Summary—Emerging Issues for ACRP
  - Synthesis 98 - Simulation Options for Airport Planning
  - Synthesis 90 - Incorporating ADA and Functional Needs in Emergency Exercises

- Conference Proceedings on the Web
  - Conference Proceedings on the Web 24 - Challenges to Implementing Successful Land Use Strategies at Airports
  - Conference Proceedings on the Web 23 - Economic and Social Sustainability at Airports

- National Cooperative Highway Research Program (NCHRP)
  - NCHRP 25-25/Task 108 - Creating Lookup Tables to Streamline the Determination of Emission Reductions for CMAQ Projects
  - Project 08-36/Task 120 - Snapshots of Planning Practices
  - Report 934 - Traffic Forecasting Accuracy Assessment Research
  - Report 924 - Foreseeing the Impact of Transformational Technologies on Land Use and Transportation
  - Report 920 - Management and Use of Data for Transportation Performance Management: Guide for Practitioners
  - Report 905 - Measuring the Effectiveness of Public Involvement in Transportation Planning and Project Development
Report 901 - Prioritization Procedure for Proposed Road–Rail Grade Separation Projects Along Specific Rail Corridors
Synthesis 543 - Transportation Workforce Planning and Development Strategies
Synthesis 538 - Practices for Online Public Involvement

Transit Cooperative Research Program (TCRP)
- Report 208 - Strategic Communications Toolkit to Improve Support for Transit-Priority Projects
- Report 207 - Fast-Tracked: A Tactical Transit Study
- Synthesis 140 - Comprehensive Bus Network Redesigns

Transportation Research Circulars
- E-Circular 256 - Managing Transportation Systems in a Fast-Changing World

Current & Upcoming Projects

Current Projects
- ACRP 01-35 - Transportation Network Companies (TNCs): Impacts to Airport Revenues and Operations
- ACRP 01-36 - Guidebook for Developing State Aviation System Plans
- ACRP 01-37 - Performance Measures for State Aviation Agencies
- ACRP 03-44 - Building and Maintaining Air Service Through Incentive Programs
- 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 09-20 - Consequences of Delayed Maintenance of Airport Assets
- ACRP 10-26 - Airport Micro-grid Implementation ToolKit
- ACRP 11-01/Topic 10-02 - Legal Issues Relating to Large Scale Airport Construction Projects
- ACRP 11-02/Task 32 - Airport Environmental Research Roadmap
- ACRP 11-02/Task 35 - Research Roadmap on Administration & Human Resource Issues
- ACRP 11-05 - Tactical Initiatives from the ACRP Strategic Plan
- ACRP Synthesis 11-03/Topic S04-24 - Airport Practices in Airport Emergency Plans
- BTS/CRP 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 - Updating the AASHTO Transportation Asset Management Guide—A Focus on Implementation, Phase 1
- NCHRP 08-110 - Traffic Forecasting Accuracy Assessment Research
- NCHRP 08-111 - Effective Decision-Making Methods for Freight-Efficient Land Use
- NCHRP 08-112 - A Guidebook for Implementing Alternative Technical Concepts into Project Delivery Methods
- 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 08-120 - Initiating the Systems Engineering Process for Rural Connected Vehicle Corridors
- NCHRP 08-121 - Accessibility Measures in Practice: Guidance for Transportation Agencies
- NCHRP 08-122 - Metropolitan Planning Organizations: Transportation Partnerships for the 21st Century
- NCHRP 10-101 - Improving Mid-Term, Intermediate, and Long-Range Cost Forecasting: Guidance for State Departments of Transportation
- 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 19-14 - Right-Sizing Transportation Investments--Methods for Planning and Programming
- NCHRP 20-44(02) - Implementation of the AASHTO Guide for Enterprise Risk Management
- NCHRP 20-44(13) - Implementation of NCHRP Research Report 893: The Oregon DOT Statewide Pedestrian and Bicycle Plan
- 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
- **NCHRP 20-102(22)** - State and Local Impacts of Automated Freight Transportation Systems
- **NCHRP 20-102(11)** - Mobility-on-Demand and Automated Driving Systems: A Framework for Public-Sector Assessment
- **NCHRP 20-102** - Impacts of Connected Vehicles and Automated Vehicles on State and Local Transportation Agencies--Task-Order Support
- **NCHRP 20-112** - A Research Roadmap for Transportation and Public Health
- **NCHRP 20-123(01)** - Transportation Asset Management Strategic Planning and Research Roadmap Development
- **NCHRP 25-25/Task 114** - Integrating Tribal Knowledge into Processes to Identify, Evaluate, and Record Cultural Resources
- **NCHRP 25-25/Task 115** - Estimates of Emissions Reductions from Future Fleet Changes for Use in Air Quality
- **NCHRP 26-56** - Methods for State DOTs to Reduce Greenhouse Gas Emissions from the Transportation Sector
- **NCHRP Synthesis 20-05/Topic 51-04** - Practices for Selecting Pedestrian and Bicycle Projects
- **NCHRP Synthesis 20-05/Topic 51-05** - Collaborative Practices for Performance-Based Asset Management between State Transportation Agencies and Metropolitan Planning Organizations
- **NCHRP Synthesis 20-05/Topic 51-15** - State DOT Practice for Developing and Implementing TSMO Plans
- **TCRP A-43** - Recent Decline in Public Transportation Ridership: Analysis, Causes, Responses
- **TCRP B-47** - Impact of Transformational Technologies on Underserved Populations
- **TCRP H-54** - Guide to Equity Analysis in Regional Transportation Planning Processes
- **TCRP H-56** - Redesigning Public Transportation Networks for a New Mobility Future
- **TCRP H-57** - Guide to Joint Development for Public Transportation Agencies
- **TCRP I-11** - Quick-Response Research on Long-Term Strategic Issues

### Upcoming Projects
- **ACRP 08-03** - Construction Safety and Phasing Plans
- **ACRP 11-08(20-01)** - ACRP Insight Event--Future of Aviation
- **NCHRP 08-134** - Integrating Freight Movement into 21st Century Communities' Land Use, Design, and Transportation Systems
- **NCHRP 08-129** - Incorporating Resilience Concepts and Strategies in Transportation Planning Efforts
- **NCHRP 08-131** - Access to Jobs, Economic Opportunities, and Education in Rural Areas
- **NCHRP 23-03** - Targeted Guidance and Information Support to State DOT CEOs on Cybersecurity Issues and Protection Strategies
- **NCHRP 23-07** - Guidebook for Identifying and Implementing Forecasting Techniques for Effective Target Setting
- **NCHRP 22-48** - Methods for Short-Term Crash Prediction
- **NCHRP 20-06/Topic 25-07** - Review of Statutory and Case Law on Planning and Environmental Linkages
- **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 20-59(56)** - Support for State DOT Transportation Systems Resilience and All-Hazards Programs
- **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(25)** - Readiness and Effectiveness of Freeway-Based Corridor V2X Applications for Improving Congestion and Safety
- **NCHRP 20-102(26)** - Dynamic Curbside Management in the Era of CAVs, SAVs, Scooters, Transportation Network Companies (TNCs), and Traditional Vehicles
- **NCHRP 20-102(27)** - Realistic Estimates of CAV Implementation Timing
- **NCHRP 20-113F** - Topical White Papers for the TRB Forum on Automated Vehicles and Shared Mobility
- **NCHRP 20-123(02)** - Research Roadmap for the AASHTO Council on Active Transportation
- **NCHRP 20-125** - Strategies for Incorporating Resilience into Transportation Networks
- **NCHRP 20-127** - Development of Business Case and Communication Strategies for a State DOT Resilience Program
- **TCRP H-58** - Prioritization of Public Transportation Investments
- **TRB/AAMVA 19-01** - RFQ: Demographic and Technological Trends Impacting the DMV of the Future

### Reports from the National Academies Press on Planning & Forecasting
- **Robust Machine Learning Algorithms and Systems for Detection and Mitigation of Adversarial Attacks and Anomalies**
Facilities Staffing Requirements for the Veterans Health Administration—Resource Planning and Methodology for the Future
Making Climate Assessments Work - Learning from California and Other Subnational Climate Assessments: Proceedings of a Workshop

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
- **ADA10** - Statewide Multimodal Transportation Planning
- **ADA20** - Metropolitan Policy, Planning, and Processes
- **ADA30** - Transportation Planning for Small and Medium-Sized Communities
- **ADA40** - Transportation Needs of National Parks and Public Lands
- **ADA50** - Transportation Programming and Investment Decision-Making
- **ADA60** - Public Involvement in Transportation
- **ADB00** - Travel Analysis Methods
- **ADB10** - Traveler Behavior and Values
- **ADB20** - Effects of Information and Communication Technologies (ICT) on Travel Choices
- **ADB30** - Transportation Network Modeling
- **ADB40** - Transportation Demand Forecasting
- **ADB45** - Travel Forecasting Resources
- **ADB50** - Transportation Planning Applications
- **ADD30** - Transportation and Land Development
- **AP025** - Public Transportation Planning and Development
- **AT015** - Freight Transportation Planning and Logistics
- **AV020** - Aviation System Planning
- **AV040** - Aviation Economics and Forecasting
- **AV080** - Light Commercial and General Aviation

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

**CRP Panels**
- **Project Panels Related to Planning and Forecasting**

**Councils**
- **A0040T** – Young Member Council

Recent and Upcoming Events

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

- **Commodity Flow Workshop**
  *April 2, 2020*  
  *Washington, D.C.*

- **2020 Joint Rail Conference***
  *April 20, 2020*  
  *St. Louis, Missouri*

- **8th International Conference on Innovations in Travel Modeling (ITM)**
  *June 14, 2020*  
  *Seattle, Washington*

- **17th National Tools of the Trade Conference**
  *August 26, 2020*  
  *Boise, Idaho*

- **2020 Conference on Sustainability and Emerging Transportation Technologies**
  *August 31, 2020*  
  *Irvine, California*
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:

TRID – The world’s largest and most comprehensive bibliographic source on all modes and disciplines of transportation - trid.trb.org

Publications Index (PubsIndex) Database – The papers, articles and reports published by the Transportation Research Board, Highway Research Board, Strategic Highway Research Programs or the Marine Board - pubsindextrb.org

Research in Progress (RiP) Database – Current or recently completed transportation research projects - rip.trb.org

Research Needs Statements (RNS) – Research needs as identified by TRB Technical Activities standing committees - rns.trb.org

Contact the Library at TRBLibrary@nas.edu or I (202) 334-2989