The TRB Snap Search: Planning & Forecasting

TRB's involvement in research on Planning & Forecasting from 2018-2019

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)
  - Impacts on Practice - Building an Asset Management Framework at Cincinnati/Northern Kentucky International Airport
  - Impacts on Practice - Preparing for the Big Game in 2018 with the Minneapolis-St. Paul Metropolitan Airports Commission
  - Report 200 - Using GIS for Collaborative Land Use Compatibility Planning Near Airports
  - Report 190 - Common Performance Metrics for Airport Infrastructure and Operational Planning
  - Research Results Digest 28 - Thought Leader Forum Summary—Emerging Issues for ACRP

- 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
  - Conference Proceedings on the Web 22 - Transforming the Marine Transportation System Through Multimodal Freight Analytics

- 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 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
  - Report 897 - Tools to Facilitate Implementation of Effective Metropolitan Freight Transportation Strategies
  - Report 896 - Updating Regional Transportation Planning and Modeling Tools to Address Impacts of Connected and Automated Vehicles, Volume 1: Executive Summary
  - Report 896 - Updating Regional Transportation Planning and Modeling Tools to Address Impacts of Connected and Automated Vehicles, Volume 2: Guidance
  - Synthesis 527 - Resilience in Transportation Planning, Engineering, Management, Policy, and Administration
  - Synthesis 520 - Integrated Transportation and Land Use Models
Current & Upcoming 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 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 33 - Research Roadmap on Policy and Planning Issues
- 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 S03-14 - Simulation Options for Airport Planning
- ACRP Synthesis 11-03/Topic S04-19 - Incorporating ADA and Functional Needs in Emergency Exercises
- ACRP Synthesis 11-03/Topic S04-24 - Airport Practices in Airport Emergency Plans
- BTSCRP 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 National Performance Management Data Strategies to Address Data Gaps, Standards, and Quality
- 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 08-117 - Impact of Transformational Technologies on Land Use and Transportation
- 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 17-82 - Proposed Guidebook for Fixed Objects in the Roadside Design Guide
- NCHRP 19-14 - Right-Sizing Transportation Investments--Methods for Planning and Programming
- 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(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 20-102(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 20-125 - Strategies for Incorporating Resilience into Transportation Networks
- 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 49-14 - Methods to Acquire Proprietary Data for Transportation Applications
- NCHRP Synthesis 20-05/Topic 49-11 - Practice for Online Public Involvement
- 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 H-58 - Prioritization of Public Transportation Investments
- TCRP J-11 - Quick-Response Research on Long-Term Strategic Issues
- TCRP Synthesis J-07/Topic SA-44 - Comprehensive Bus Network Redesign

- Upcoming Projects
  - ACRP 08-03 - Construction Safety and Phasing Plans
  - NCHRP 08-134 - Integrating Freight Movement into 21st Century Communities’ Land Use, Design, and Transportation Systems
  - 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 08-129 - Incorporating Resilience Concepts and Strategies in Transportation Planning Efforts
  - NCHRP 08-131 - Access to Jobs, Economic Opportunities, and Education in Rural Areas
  - NCHRP 22-48 - Methods for Short-Term Crash Prediction
  - 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 20-24(119) - Strategic Research in Support of the Connected and Automated Vehicle Executive Leadership Team
  - NCHRP 20-59(56) - Support for State DOT Transportation Systems Resilience and All-Hazards Programs
  - NCHRP 20-65/Task 82 - Issues Associated with Providing Customized, Client-Based Transportation Services Models
  - 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-56 - Reinventing Transit Networks for a New Mobility Future
  - TRB/AAMVA 19-01 - RFQ: Demographic and Technological Trends Impacting the DMV of the Future

Reports from the National Academies Press on Planning & Forecasting
  - From Research to Reward - Weather Warning: How Physics, Data, and Computers Combine to Make Better Prediction Possible
  - Making Climate Assessments Work - Learning from California and Other Subnational Climate Assessments: Proceedings of a Workshop
  - Learning from the Science of Cognition and Perception for Decision Making
  - Engaging the Private Sector and Developing Partnerships to Advance Health and the Sustainable Development Goals: Proceedings of a Workshop Series

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

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

CRP Panels
  o Project Panels Related to Planning and Forecasting

Councils
  o 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.)

  6th International Conference on Women’s Issues in Transportation (WiiT 2019)
  September 10-13, 2019
  Irvine, California

  Conference on Performance and Data in Transportation Decision Making
  September 15-18, 2019
  Atlanta, Georgia

  Transportation Resilience 2019: 2nd International Conference on Transportation System Resilience to Natu
  Hazards and Extreme Weather
  November 13, 2019
  Washington, D.C.

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

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

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 l (202) 334-2989