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 on Innovation since 2018.

Specialty Websites

- Transformational Technologies

Specialty Report

- Critical Issues in Transportation 2019

Recent Reports & Publications

- **Airport Cooperative Research Program (ACRP)**
  - Report 191 - A Primer to Prepare for the Connected Airport and the Internet of Things
  - Research Results Digest 28 - Thought Leader Forum Summary—Emerging Issues for ACRP
  - Synthesis 89 - Clean Vehicles, Fuels, and Practices for Airport Private Ground Transportation Providers

- **IDEA Projects**
  - Safety IDEA 34 - Prototype System for Managing and Analyzing Enterprise Rail Transport Risks of Hazardous Materials
  - Safety IDEA 32 - Railroad Bridge Inspections for Maintenance and Replacement Prioritization Using Unmanned Aerial Vehicles (UAVs) with Laser Scanning Capabilities

- **Letter Reports**
  - Research and Technology Coordinating Committee - Letter Report: November 9, 2018
  - Transit Research Analysis Committee - Letter Report: April 22, 2019
  - Transit Research Analysis Committee - Letter Report: August 24, 2018
  - Transit Research Analysis Committee - Letter Report: February 27, 2018

- **National Cooperative Highway Research Program (NCHRP)**
  - NCHRP 20-65/Task 73 - Best Practices and Marketing to Increase Rural Transit Ridership and Investment
  - NCHRP 25-25/Task 102 - Artificial Bat Roost Mitigation Designs and Standardized Monitoring Criteria
  - NCHRP 25-25/Task 105 - A Guidebook for Communications between Transportation and Public Health Communities
  - NCHRP 25-25/Task 109 - Successful Practices for Environmental Commitments in Public/Private Partnerships (P-3) and Design-Build (D-B) Contracts
  - Report 918 - Approaches for Determining and Complying with TMDL Requirements Related to Roadway Stormwater Runoff

Updated 08/29/2019
- **Report 896** - Updating Regional Transportation Planning and Modeling Tools to Address Impacts of Connected and Automated Vehicles, Volume 1: Executive Summary
- **Report 885** - Guide to Creating and Sustaining a Culture of Innovation for Departments of Transportation
- **Report 865** - Guidance for Development and Management of Sustainable Enterprise Information Portals
- **Research Topic Highlights** - Roadway Tunnels
- **Synthesis 541** - Practices on Acquiring Proprietary Data for Transportation Applications
- **Synthesis 534** - Emerging Technologies for Construction Delivery
- **Web-Only Document 253** - Implications of Connected and Automated Driving Systems, Vol. 3: Legal Modification Prioritization and Harmonization Analysis
- **Web-Only Document 251** - Spot Painting to Extend Highway Bridge Coating Life: Volume 1: Guidance
- **Web-Only Document 248** - Research on Creating and Sustaining a Culture of Innovation for Departments of Transportation

**Special Reports**
- **Report 331** - The Vital Federal Role in Meeting the Highway Innovation Imperative

**Transit Cooperative Research Program (TCRP)**
- **Legal Research Digest 53** - Legal Considerations in Relationships Between Transit Agencies and Ridesourcing Service Providers
- **Report 197** - Tools for a Sustainable Transit Agency
- **Transit IDEA J-04/IDEA 86** - Advanced Neutral Temperature Estimation Using Solitary Waves (ANTEUSW)
- **Transit IDEA J-04/IDEA 85** - Location Aware Networks Optimizing Use of Transit

**Transportation Research Circulars**
- **E-Circular 244** - Mobility on Demand: A Smart, Sustainable, and Equitable Future
- **E-Circular 236** - National Academies–TRB Forum on Preparing for Automated Vehicles and Shared Mobility

**Current & Upcoming Projects**

**Current Projects**
- **ACRP 01-37** - Performance Measures for State Aviation Agencies
- **ACRP 01-40** - Evaluating the Traveler’s Perspective to Improve the Airport Customer Experience
- **ACRP 01-43** - Conducting Consumer Research of Air Passengers
- **ACRP 03-44** - Building and Maintaining Air Service Through Incentive Programs
- **ACRP 03-49** - Effective Collaboration to Plan and Respond to Communicable Disease Threats
- **ACRP 03-51** - Electric Aircraft of the Horizon -- An Airport Planning Perspective
- **ACRP 06-05** - Guidance for Diversity in Airport Businesses Contracting and Workforce Programs
- **ACRP 09-17** - Collecting, Applying, and Maintaining Pavement Condition Data at Airports
- **ACRP 09-18** - Rapid Airfield Concrete Pavement Slab Replacement and Patching
- **ACRP 09-19** - Airfield Pavement Markings - Effective Techniques for Removal and Temporary Applications
- **ACRP Synthesis 11-03/Topic S04-23** - Emergency Working Groups
- **ACRP Synthesis 11-03/Topic S01-19** - Data Acquisition and Protocols for Risk Management
- **BTSCRPT BTS-01** - Guidance for Employer-Based Behavioral Traffic Safety Programs for Drivers in the Workplace
- **BTSCRPT BTS-02** - Guide for Behavioral Traffic Safety Messaging on Variable Message Signs
- **BTSCRPT BTS-06** - MPO and SHSO Coordination on Behavioral Traffic Safety
- **BTSCRPT BTS-07** - Assessing the Impacts of Connected, Automated, and Autonomous Vehicles on the Future of Transportation Safety
- **BTSCRPT BTS-09** - The Influence of Infrastructure Design on Distracted Driving
- **NCHRP 03-128** - Business Intelligence Techniques for Transportation Agency Decision Making
- **NCHRP 03-131** - Guidance for Planning and Implementing Multimodal, Integrated Corridor Management
- **NCHRP 03-135** - Wrong-Way Driving Solutions, Policy, and Guidance
- **NCHRP 08-111** - Effective Decision-Making Methods for Freight-Efficient Land Use
- **NCHRP 08-116** - Framework for Managing Data from Emerging Transportation Technologies to Support Decision-Making
- **NCHRP 08-117** - Impact of Transformational Technologies on Land Use and Transportation
- **NCHRP 08-121** - Accessibility Measures in Practice: Guidance for Transportation Agencies
- **NCHRP 12-117** - Guidelines for Corrosion Protection of Steel Bridges Using Duplex Coating Systems
- **NCHRP 15-67** - Wind Drag Coefficients for Highway Signs and Support Structures
- **NCHRP 17-91** - Assessing the Impacts of Automated Driving Systems (ADS) on the Future of Transportation Safety
- NCHRP 20-44(05) - Dissemination of “NCHRP Domestic Scan 14-01: Leading Management Practices in Determining Funding Levels for Maintenance and Preservation”
- NCHRP 20-65/Task 79 - Program Management Insights for the 5310 Program (Including Sub-Grantee Consolidation and Urban 5310)
- NCHRP 20-65/Task 81 - Best Practices in Rural Service Assessment
- NCHRP 20-102(10) - Cybersecurity Implications of CV/AV Technologies on State and Local Transportation Agencies
- NCHRP 20-102(12) - Business Models to Facilitate Deployment of CV Infrastructure to Support AV Operations
- NCHRP 20-112 - A Research Roadmap for Transportation and Public Health
- NCHRP 25-57 - Innovative Mitigation Strategies for Highway Noise
- NCHRP 25-59 - Pollinator Habitat Conservation Along Roadways
- NCHRP 25-25/Task 115 - Estimates of Emissions Reductions from Future Fleet Changes for Use in Air Quality Models
- NCHRP 25-25/Task 119 - Enhancing the International Stormwater BMP Database to Serve as a Highway Specific BMP Database
- NCHRP 25-25/Task 120 - Use of the State Department of Transportation Portal to the International Stormwater BMP Database
- NCHRP Synthesis 20-05/Topic 49-02 - Emerging Technologies for Construction Delivery
- NCHRP Synthesis 20-05/Topic 49-14 - Methods to Acquire Proprietary Data for Transportation Applications
- NCHRP Synthesis 20-05/Topic 50-04 - Utility Pole Safety and Hazard Evaluation Approaches
- NCHRP Synthesis 20-05/Topic 50-07 - Electronic Ticketing, of Materials for Construction Management
- NCHRP Synthesis 20-05/Topic 50-10 - Availability of Pedestrian Infrastructure Data For Routing and Network Analysis
- NCHRP IDEA 20-30/IDEA 199 - Using Medical X-Ray Machines to Determine the Service Life of Concrete
- NCHRP IDEA 20-30/IDEA 203 - Safer Cushions
- NCHRP IDEA 20-30/IDEA 207 - MILDGLASS: GFRP Strand for Resilient Mild Pre-Stressed Concrete
- NCHRP IDEA 20-30/IDEA 212 - Non-Gating Guardrail End Terminals
- NCHRP IDEA 20-30/IDEA 214 - An Enhanced Network-Level Curve Safety Assessment and Monitoring Using Mobile Devices
- TCRP C-23 - Assessing and Mitigating Electrical Fires on Transit Vehicles
- TCRP F-27 - Characteristics and Elements of Non-Punitive Employee Safety Reporting Systems for Public Transportation
- TCRP Synthesis I-07/Topic SA-44 - Comprehensive Bus Network Redesign
- TCRP Synthesis I-07/Topic SF-20 - Managing the Transit Scheduling Workforce
- Transit IDEA I-04/A - Plans for Tracking IDEAS and Developing Transit IDEA Marketing and Communications
- Transit IDEA I-04/Idea 84 - Development of a Mass-Based Automated Passenger Counter
- Transit IDEA I-04/Idea 87 - Development of pathNav: A Pedestrian Navigation Tool that Utilizes Smart Data for Improved Accessibility and Walkability
- Transit IDEA I-04/Idea 88 - Evaluation of an Automatic, Individual, Computer-Based Operator Education and Training Program
- Transit IDEA I-04/Idea 89 - Dynamic Vehicle to Infrastructure TCIP Communications Laboratory Proof of Concept
- Transit IDEA I-04/Idea 90 - sUAS-Based GeoINTEL for Commuter Rail Parking in Rural and Suburban Areas
- Transit IDEA I-04/Idea 91 - Comprehensive Wayfinding for All (CWall)
- Transit IDEA I-04/Idea 94 - Evaluation of Transit Vehicle Brake Inspection Through Ultrasonic Emissions Analysis

Upcoming Projects

- ACRP 01-41 - Blockchain Technology and Airports - A Primer
- ACRP 06-08 - Human Factors in Airport Operations
- ACRP 08-03 - Construction Safety and Phasing Plans
- ACRP 11-02/Task 37 - Periodic Report on Transformative Technology at Airports
- BTRSCP BTS-12 - State Practices Promoting Older Driver Safety
- BTRSCP BTS-14 - Understanding and Analyzing Crash Contributing Factors (Joint project with NCHRP 22-45)
- BTRSCP BTS-15 - Highway Safety Strategies for Rural Communities
- NCHRP 03-140 - Applications of RFID and Wireless Technologies for Highway Construction
- NCHRP 06-18 - Guide for Snow and Ice Control Operations
- NCHRP 08-118 - Risk Assessment Techniques for Transportation Asset Management
NCHRP 08-127 - Emerging Issues: Impact of New Disruptive Technologies on the Performance of DOTs
NCHRP 08-130 - Best Practices in Coordination of Public Transit and Ride Sharing
NCHRP 14-45 - Model Procedures for Post-Event Bridge Damage Assessment and Engineering Evaluation
NCHRP 15-69 - Utility Conflict Impacts During Highway Construction
NCHRP 15-72 - Methodology to Define New AASHTO Green Book 7.0 Context Classification Settings Implementation as Related to Active Transportation Infrastructure
NCHRP 15-77 - Aligning Geometric Design Controls, Criteria and Elements with Roadway Context, Modal Priority and Functional Classification
NCHRP 20-127 - Development of Business Case and Communication Strategies for a State DOT Resilience Program
NCHRP 20-128 - Organizational and Operational Models Used by State DOTs for Emergency Response
NCHRP 22-44 - Development of a Crash Data Collection Tool and Application Guidelines for MASH In-Service Performance
NCHRP 22-45 - Understanding and Analyzing Crash Contributing Factors
NCHRP 23-03 - Targeted Guidance and Information Support to State DOT CEOs on Cybersecurity Issues and Protection Strategies
NCHRP 25-61 - Effective On-Bridge Treatment of Stormwater
NCHRP 20-102(20) - Workforce Capability Strategies for State and Local Agencies
TCRP B-47 - Impact of Transformational Technologies on Underserved Populations
TCRP H-58 - Prioritization of Public Transportation Investments
TCRP J-05/Topic 19-02 - Legal Issues and Emerging Technologies
TCRP J-05/Topic 19-03 - Navigating the Complexities of Sensitive Security Information (SSI) and Protected Critical Infrastructure Information (PCII)
TRB/AAMVA 19-01 - RFQ: Demographic and Technological Trends Impacting the DMV of the Future

Reports from the National Academies Press on Innovation
- Adapting to the 21st Century Innovation Environment
- Discovering the Deep Blue Sea - Research, Innovation, Social Engagement
- The Role of State Governments in Economic Development and R&D Competitiveness
- Frontiers of Engineering - Reports on Leading-Edge Engineering from the 2017 Symposium
- The Frontiers of Machine Learning
- Open Science by Design - Realizing a Vision for 21st Century Research

Committees & Panels
Sign-up to be a committee "Friend"

TRB Standing Committees – Search by transportation mode and committee topic
- ABE25 - Congestion Pricing
- ABG20 - Transportation Education and Training
- ABJ30 - Urban Transportation Data and Information Systems
- ABJ65T - Freight Data Workshop
- ABP95 - Visualization in Transportation
- ABR35T - 11th University Transportation Center Spotlight Conference: Rebuilding and Retrofitting the Transportation Infrastructure
- ADB45 - Travel Forecasting Resources
- ADC10 - Environmental Analysis in Transportation
- AFF30 - Concrete Bridges
- AFS60 - Subsurface Drainage
- AFS70 - Geosynthetics
- AHD60 - Maintenance Equipment
- ALO40 - Emerging Technology Law
- AP020 - Emerging and Innovative Public Transport and Technologies
- AP025 - Public Transportation Planning and Development
- AP045 - Passenger Intermodal Facilities
- AP065 - Rail Transit Systems
- AR030 - Railroad Operating Technologies
- ATU020 - International Trade and Transportation
- B0024 - Research and Technology Coordinating Committee (FHWA)
- B0156 - Review of Federal Highway Administration Infrastructure R&D
Recent and Upcoming Events

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

3rd International Conference on Information Technology in Geo-Engineering (3rd ICITG 2019)
September 29-October 2, 2019
Guimaraes, Portugal

9th International Visualization in Transportation Symposium: Visualization in Action
November, 5-6, 2019
Washington, DC

First International Conference on 3D Printing and Transportation
November 20-21, 2019
Washington, DC

5th Conference of Transportation Research Group of India (CTRG)*
December 18-21, 2019
Bhopal, Madhya Pradesh, India

8th International Conference on Innovations in Travel Modeling (ITM)
June 14-20, 2020
Seattle, Washington

BEI International Symposium on UHPC and Emerging Concrete (BEI-UHPC)*
June 22-25, 2020
Singapore

Second International Conference on 3D Printing and Transportation
November 18-20, 2020

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

Past Webinars

- Innovations in Freight Data – July 16, 2019
- Highway Maintenance Goes to College – November 7, 2018
- Practices in Rural Regional Mobility: Case Studies and Lessons Learned - September 27, 2018
- Nail it or Fail it: How to Build a Successful Mobility as a Service Story - June 18, 2018
- Internal Curing of Concrete Pavements: State-of-the-Practice – May 24, 2018
- Development and Management of Sustainable Information Portals – May 2, 2018
- Permeable Concrete Pavements: State-of-the-Practice – March 15, 2018
- Leveraging Transportation Mode Expertise for Community Resiliency – February 15, 2018
- Roller-Compacted Concrete Pavements State-of-the-Practice – February 14, 2018

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 - pubsindex.trb.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

Snap Searches - Formerly called 'Overview Guides,' Snap Searches provide a succinct summary of activities in TRB on a given topic including: upcoming events such as conferences and webinars; names of Committees working on relevant issues; and a list of recent reports from TRB and The National Academies - www.trb.org/InformationServices/Snap.aspx

Contact the Library at TRBLibrary@nas.edu or 1 (202) 334-2989