

TRB TRANSPORTATION RESEARCH BOARD

TRB Snap Search: Innovation

TRB's involvement in research on Innovation from 2022-2023

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.

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- 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 on Innovation in the past year.

Specialty Reports

- [Critical Issues in Transportation for 2024 and Beyond](#)
- [Critical Issues in Transportation 2019](#)
- [COVID-19 Addendum to Critical Issues in Transportation](#)
- [Racial Equity Addendum to Critical Issues in Transportation](#)

Recent Reports & Publications

- [Airport Cooperative Research Program \(ACRP\)](#)
 - [Report 252](#) - Airport Baggage Handling System Decision-Making Based on Total Cost of Ownership
 - [Report 246](#) - Airside Operations Safety: Understanding the Effects of Human Factors
 - [Report 241](#) - Toward a Touchless Airport Journey
 - [Synthesis 120](#) - Airport Software Solutions and Services Sourcing
 - [WebResource 11](#) - Construction Safety and Phasing Plans
- [CRP Special Release \(CRP\)](#)
 - [Report 1](#) - Evaluation of the Asphalt Binder Quality Tester
- [Innovations Deserving Exploratory Analysis \(IDEA\)](#)
 - [Safety Report 45](#) - Development of a Fatigue Load for Railway Bridges
 - [Safety Report 44](#) - Laser-Based Non-destructive Spike Defect Inspection System
 - [Safety Report 43](#) - Augmenting Reality for Safer Inspections of Railroad Infrastructure and Operations
 - [Safety Report 42](#) - Railroad Tunnel Inspections for Maintenance and Replacement Prioritization Using Untethered Ground Penetrating Radar and LIDAR Capable Unmanned Aerial Vehicles (UAVs)
 - [Safety Report 39](#) - Non-Contact Scour Monitoring System for Railroad Bridges
 - [Safety Report 38](#) - Minimization of Weld Failures by Means of Gas and Shrinkage Porosity Reduction
 - [Safety Report 37](#) - Measuring Behavior of Railroad Bridges under Revenue Traffic using Lasers and Unmanned Aerial Vehicles (UAVs) for Safer Operations: Implementation
- [National Cooperative Highway Research Program \(NCHRP\)](#)
 - [IDEA Report 234](#) - Field Test and Evaluation of a Solar Snow Fence
 - [IDEA Report 228](#) - A Retroreflective Road Lane Marking Tape 1,000X Brighter than Existing Technology
 - [IDEA Report 225](#) - An Automated System for Large-Scale Intersection Marking Data Collection and Condition Assessment

- [IDEA Report 223](#) - Fatigue Crack Inspection Using Computer Vision and Augmented Reality
- [IDEA Report 218](#) - Development of Three Point Bending Cylinder (3PBC) Asphalt Mixture Fatigue Test System
- [IDEA Report 217](#) - A Real-Time Proactive Intersection Safety Monitoring and Visualization System Based on Radar Sensor Data
- [IDEA 215](#) - Achieving Resilient Multi-Span Bridge by using Buckling-Restrained Braces
- [IDEA Report 210](#) - Material Characteristics of Cu-Based Superelastic Alloys for Applications in Bridge Columns to Improve Seismic Performance
- [IDEA Report 207](#) - MILDGLASS: GFRP Strand for Resilient Mild Pre-Stressed Concrete
- [IDEA Report 206](#) - Rule-Based Automated Safety Monitoring System for Work Zone Safety
- [IDEA Report 205-A](#) - Bio-Inspired "MRI" of Concrete Bridges using Waveform-Based Ultrasonic Tomography
- [IDEA Report 196](#) - Smart Installation and Monitoring System for Large Anchor Bolts of Support Structures Made with 3D Printing Enhancement
- [IDEA Report 190](#) - Self-de-icing LED Signals for Railroads and Highway Intersections
- [Report 1072](#) - Telecommuting, Remote Work, and Hybrid Schedules: Managing the Shift to a Flexible Work Future
- [Report 1051](#) - Preparing Transportation Agencies for Connected and Automated Vehicles in Work Zones
- [Report 1041](#) - Nondestructive Evaluation of Highway System Asset Foundational Condition and Capability
- [Report 1039](#) - Risk-Based Construction Inspection: A Guide
- [Report 1037](#) - Reducing Risks to Worker Safety in Work Zones Due to Distracted Drivers
- [Report 1028](#) - State and Local Impacts of Automated Freight Transportation Systems
- [Report 1007](#) - Evaluation of Bonded Concrete Overlays on Asphalt Pavements
- [Report 1002](#) - Metropolitan Planning Organizations: Strategies for Future Success
- [Report 998](#) - Planning Freight-Efficient Land Uses: Methodology, Strategies, and Tools
- [Report 992](#) - Guide to Pedestrian Analysis
- [Synthesis 610](#) - Leveraging Social Media Data for Emergency Preparedness and Response
- [Synthesis 609](#) - Use of Unmanned Aerial Systems for Inspection of Stormwater Best Management Practices
- [Synthesis 587](#) - Use of Smart Work Zone Technologies for Improving Work Zone Safety
- [Web-Only Document 329](#) - Bonded Concrete Overlays on Asphalt Pavements: Resources for Evaluation
- [Web-Only Document 322](#) - Alternative Technologies for Mitigating the Risk of Injuries and Deaths in Work Zones: Conduct of Research
- [Transit Cooperative Research Program \(TCRP\)](#)
 - [IDEA Report 101](#) - Citopia MaaS/Multimodal Transit
 - [IDEA Report 100](#) - TrainMate Robotic System: Making Public Transportation, Public!
 - [IDEA Report 99](#) - Bike Love
 - [IDEA Report 98](#) - Safety Assessment of the Interaction Between the Autonomous Shuttle Bus and Vulnerable Road Users
 - [Research Digest 60](#) - Legal Issues in Transit Mega Projects--Case Studies
 - [Legal Research Digest 59](#) - Legal Issues and Emerging Technologies
 - [Report 240](#) - Bus Operator Workforce Management: Practitioner's Guide
 - [Report 238](#) - Quantitative Procedures for Designing and Operating Ferry Services
 - [Report 235](#) - Improving Access and Management of Public Transit ITS Data
 - [Report 233](#) - Strategies for Deterring Trespassing on Rail Transit and Commuter Rail Rights-of-Way, Volume 2: Research Overview
- [Transportation Research Circulars](#)
 - [E-Circular 282](#) - Building Information Modeling for Bridges and Structures: From Design to Construction Workshop
 - [E-Circular 279](#) - Advancing Low- and Zero-Emission Marine Vessel Technology Options Workshop
 - [E-Circular 278](#) - Innovations in Freight Data Workshop
 - [E-Circular 277](#) - 13th National Conference on Transportation Asset Management

Current & Upcoming Projects

- [Current Projects](#)
 - [ACRP 01-41](#) - Airport Blockchain Implementation Guidebook
 - [ACRP 01-46](#) - A Guide for Geospatial Data Governance Policies and Procedures
 - [ACRP 01-47](#) - A Guide to Developing a Culture of Innovation at Airports
 - [ACRP 01-51](#) - Improving Airport Organizational Practices to Enhance ACDBE/DBE Participation
 - [ACRP 02-97](#) - Update to the Guidelines, Tools, and Resources Related to ACRP Reports 11, 147, and 160
 - [ACRP 03-49](#) - Effective Collaboration to Plan and Respond to Communicable Disease Threats
 - [ACRP 03-63](#) - Modernizing Air Cargo Operations and Infrastructure at U.S. Airports
 - [ACRP 03-70](#) - Incorporating Technologies into Airport In-Terminal Concession Programs

- [ACRP 03-73](#) - Airport Guide for Transitioning to Unleaded Aviation Gasoline
- [ACRP 03-74](#) - ACRP Web Resource for Airport User Choice Modeling and Analysis
- [ACRP 04-25](#) - Airports and Communicable Diseases—Preparedness and Response
- [ACRP 04-32](#) - Using Existing and Emerging Technologies to Identify and Mitigate Human Trafficking at Airports
- [ACRP 05-03](#) - Guidebook on Airport Cybersecurity and Incident Response
- [ACRP 07-17](#) - Update to ACRP Report 40: Airport Roadway Analysis and Curbside Congestion Management Strategies
- [ACRP 07-21](#) - Exploring Cellular-Based Private Wireless Networks for the U.S. Aviation Industry
- [ACRP 10-32](#) - U.S. Airport Industry Adoption of Automated Ground Vehicle Systems
- [ACRP 11-02/Task 37](#) - Periodic Report on Transformative Technology at Airports
- [ACRP Synthesis 11-03/Topic S02-22](#) - Airport Programs that Reduce Landside Vehicle Carbon Emissions
- [ACRP Synthesis 11-03/Topic S03-18](#) - Communication, Implementation, and Outcomes of Airport Economic Impact Studies
- [ACRP Synthesis 11-03/Topic S06-07](#) - Impacts of COVID to Airport Work Models and Strategies
- [BTSCRp BTS-06](#) - MPO and SHSO Coordination on Behavioral Traffic Safety
- [BTSCRp BTS-12](#) - State Practices Promoting Older Driver Safety
- [BTSCRp BTS-14](#) - Informing the Selection of Countermeasures by Evaluating, Analyzing, and Diagnosing Contributing Factors that Lead to Crashes
- [BTSCRp BTS-15](#) - Highway Safety Strategies for Rural Communities
- [BTSCRp BTS-20](#) - Strategies to Address Misreporting of Impaired and Distracted Driving in Motor Vehicle Crashes
- [BTSCRp BTS-22](#) - Guidelines for Selecting Communication Channels to Deliver Traffic Safety Messaging
- [BTSCRp BTS-26](#) - Advanced Driver Assistance Systems (ADAS) Education and Outreach
- [NCHRP 03-128](#) - Business Intelligence Techniques for Transportation Agency Decision Making
- [NCHRP 03-135](#) - Wrong-Way Driving Solutions, Policy, and Guidance
- [NCHRP 03-140](#) - Guidelines for Applications of RFID and Wireless Technologies in Highway Construction and Asset Management
- [NCHRP 03-142](#) - Evaluating the Impacts of Real-Time Warnings and Variable Speed Limits on Safety and Travel Reliability during Weather Events
- [NCHRP 03-144](#) - Leveraging Existing Traffic Signal Assets to Obtain Quality Traffic Counts and Enhance Transportation Monitoring Programs
- [NCHRP 05-22A](#) - Gaps and Emerging Technologies in the Application of Solid-State Roadway Lighting
- [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 08-136](#) - Guidebook on Using Performance-Based Management Approaches for Maintenance
- [NCHRP 08-139](#) - Guide for Preventing and Mitigating the Risk of Bridge and Tunnel Strikes by Motor Vehicles
- [NCHRP 08-142](#) - Virtual Public Involvement: A Manual for Effective, Equitable, and Efficient Practices for Transportation Agencies
- [NCHRP 08-151](#) - Risk Management at State DOTs: Building Momentum and Sustaining the Practice
- [NCHRP 08-155](#) - Handbook for Addressing Racial Disparities in the Project Delivery Process
- [NCHRP 08-157](#) - Best Practices for Data Fusion of Probe and Point Detector Data
- [NCHRP 09-69](#) - Verifying Quantities of Materials Used in Asphalt Mixtures at Production Facilities
- [NCHRP 10-109](#) - Modern Solutions to Safe and Efficient Work Zone Travel
- [NCHRP 10-112](#) - Guidelines for Digital Technologies and Systems for Remote Construction Inspection for Highway Infrastructure Projects
- [NCHRP 10-12](#) - Guidelines for Digital Technologies and Systems for Remote Construction Inspection for Highway Infrastructure Projects
- [NCHRP 14-36\(01\)](#) - Implementation of Bridge Preservation Actions
- [NCHRP 14-45](#) - Guidelines for Response Planning, Assessment, and Rapid Restoration of Service of Bridges in Extreme Events
- [NCHRP 14-47](#) - Tools and Technology for Roadside Landscape Asset Management
- [NCHRP 15-69](#) - Utility Conflict Impacts During Highway Construction
- [NCHRP 15-81](#) - Guideline for Depicting Existing and Proposed Utility Facilities in Design Plans
- [NCHRP 17-83](#) - Briefings and Training Materials for Implementation of the *Highway Safety Manual*, Second Edition
- [NCHRP 17-99](#) - Assessing Safety Effectiveness of Treatments and Technologies at Highway-Rail Grade Crossings
- [NCHRP 19-18](#) - Transitioning Fuel Tax Assessments to a Road Usage Charge
- [NCHRP 20-06/Topic 26-03](#) - Multistate Coordination and Harmonization for AV Legislation
- [NCHRP 20-24\(138\)](#) - Collective and Individual Actions for State Departments of Transportation Envisioning and Realizing the Next Era of America's Transportation Infrastructure – Phase I
- [NCHRP 20-44\(34\)](#) - Successful Practices for State Transportation Research Office's Complying with 2 CFR § 200 (NCHRP 20-111J)

- [NCHRP 20-44\(39\)](#) - Consultant Support for Implementation of Guidebook for Managing Data from Emerging Technologies
- [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\(27\)](#) - Realistic Timing Estimates for Automated Vehicle Implementation
- [NCHRP 20-102\(34\)](#) - Toolbox for Navigating the Land-Use Impacts of the Automated Vehicle Ecosystem
- [NCHRP 20-123](#) - Support for AASHTO Committees and Councils
- [NCHRP 20-123\(12\)](#) - System Mobility and Emerging Technologies (SMET): Strategic Planning Session and Research Roadmap Development
- [NCHRP 20-127](#) - Business Case and Communications Strategies for State DOT Resilience Efforts
- [NCHRP 20-128](#) - Emergency Response: Organizational and Operational Models Used by State DOTs
- [NCHRP 22-44](#) - A Transportation Agency Data Collection Practice for Use with In-Service Performance Evaluations (ISPEs)
- [NCHRP 22-45](#) - Informing the Selection of Countermeasures by Evaluating, Analyzing, and Diagnosing Contributing Factors that Lead to Crashes
- [NCHRP 22-53](#) - Delineation of Linear Roadside Hardware Systems and Roadside Obstacles
- [NCHRP 23-11](#) - Transportation Emergency Management and Security Summit and Exchange
- [NCHRP 23-15](#) - Guidance on Risks Related to Emerging and Disruptive Transportation Technologies
- [NCHRP 23-16](#) - Implementing and Leveraging Machine Learning at State Departments of Transportation
- [NCHRP 23-19](#) - Practices for Transportation Agency Procurement and Management of Advanced Technologies
- [NCHRP 23-23](#) - Data Governance Design and Implementation - Links Between Governance Approaches and Performance Effects in DOTs
- [NCHRP 25-61](#) - Development of On-Bridge Stormwater Treatment Practices
- [NCHRP 25-65](#) - Preparing Successful No-Effect and No-Adverse-Effect Section 106 Determinations: A Handbook for Transportation Cultural Resource Practitioners
- [NCHRP Synthesis 20-05/Topic 54-01](#) - Practices to Identify and Mitigate PFAS Impacts on Highway Construction Projects and Maintenance Operations
- [NCHRP Synthesis 20-05/Topic 54-02](#) - Outsourcing Post-Construction Stormwater Best Management Practice Inspection and Maintenance Activities
- [NCHRP Synthesis 20-05/Topic 54-17](#) - State DOT Innovation Programs and Practices
- [NCHRP IDEA 20-30/IDEA 224](#) - Development of an Automated and Rapid Conditioning and Testing Device for Cracking and Rutting
- [NCHRP IDEA 20-30/IDEA 225](#) - An Automated System for Large-Scale Intersection Marking Data Collection and Condition Assessment
- [NCHRP IDEA 20-30/IDEA 226](#) - A Smart IoT Proximity Alert System for Highway Work Zone Safety
- [NCHRP IDEA 20-30/IDEA 227](#) - Adjustable Cross-frames for the Erection of Steel Girder Bridges
- [NCHRP IDEA 20-30/IDEA 229](#) - Lab Dielectric Measurement System for Asphalt Mixture Bulk Specific Gravity Determination
- [NCHRP IDEA 20-30/IDEA 231](#) - AI Analyzer for Revealing Insights of Traffic Crashes
- [NCHRP IDEA 20-30/IDEA 233](#) - Development of an Innovative Bio-Mediated Self-Healing Concrete Technology
- [NCHRP IDEA 20-30/IDEA 245](#) - Simple and Rapid Tests for Assessing Quality and Consistency of Reclaimed Asphalt Pavement (RAP) for Recycled Asphalt Mixture Applications
- [TCRP B-47](#) - Impact of Transformational Technologies on Underserved Populations
- [TCRP B-48](#) - The Provision of Alternative Services by Transit Agencies: The Intersection of Regulation and Program Objectives
- [TCRP B-50](#) - Accessible Public Bus and Rail Passenger Information for Riders with Vision Disabilities
- [TCRP C-25](#) - Bus Operator Barrier Design
- [TCRP D-19](#) - Detecting and Mitigating Low-Level DC Fault Currents in Transit Systems (Phase II TCRP Project D-17)
- [TCRP D-21](#) - Planning for the Future of Intermodal Passenger Facilities: Guide and Decision-Making Framework
- [TCRP J-05/Topic 19-03](#) - Navigating the Complexities of Sensitive Security Information (SSI) and Protected Critical Infrastructure Information (PCII)
- [TCRP J-05/Topic 20-01](#) - Legal Issues in Transit Mega Projects--Case Studies
- [TCRP J-11/Task 40](#) - Homelessness: A Guide for Public Transportation
- [TFPE 04](#) - Evaluation of FHWA's Every Day Counts Program
- [TFPE 05](#) - Evaluation of FHWA's Initiative on Integrating NEPA and Permitting
- [Upcoming Projects](#)
 - [ACRP 02-103](#) - A Guide for Methods to Transition and Decontaminate PFAS from Firefighting Systems
 - [ACRP 04-34](#) - Best Practices for Building and Improving an Aircraft Rescue and Firefighting Program

- [ACRP 09-22](#) - Guidance for Small Airports on Safe Maintenance of Airfield Electrical Systems
- [NCHRP 03-146](#) - Guide for Transportation Operations Manual Implementation
- [NCHRP 03-148](#) - Preparing for Virtual Operation of Traffic Management Systems
- [NCHRP 03-149](#) - Evaluation of the Traffic Signal Timing Manual, Third Edition
- [NCHRP 05-27](#) - Guide for Lighting at Innovative Intersections/Interchanges, including Roundabouts
- [NCHRP 07-31](#) - State DOT and Tribal Use of Active Transportation Data: Practices, Sources, Needs, and Gaps
- [NCHRP 08-128](#) - Snapshots of Planning Practices
- [NCHRP 08-143](#) - Guide to the Application of Spatial Segmentation on Travel Time Reliability Measures
- [NCHRP 08-144](#) - Rural Transit Fleet Mix and Vehicle Size Decision Trees
- [NCHRP 08-153](#) - A Guide for the Development and Use of Truck Traffic Forecasts in Design
- [NCHRP 08-156](#) - Planning for Innovative and Emerging Mobility Futures at Intermodal Passenger Facilities
- [NCHRP 08-158](#) - A Compendium for Communicating the Value of Freight and Community Interactions
- [NCHRP 08-165](#) - Use of Active Transportation Data in Decision-Making
- [NCHRP 10-115](#) - Guide on Progressive Design-Build for Transportation Projects
- [NCHRP 15-79](#) - Development of Guidance for Non-Standard Roadside Hardware Installations
- [NCHRP 17-121](#) - Using Advanced Technologies to Reduce Commercial Motor Vehicle Crashes in Work Zones
- [NCHRP 20-06/Topic 27-04](#) - Legal Problems Arising out of Highway Programs. Topic 27-04. Managing Performance for Innovative Technology Contracts
- [NCHRP 20-24\(147\)](#) - Identify Best Practices for Automated Driving Systems and Other Emerging Technologies
- [NCHRP 20-102\(20\)](#) - Preparing the Transportation Workforce for the Deployment of Emerging Technology
- [NCHRP 20-102\(33\)](#) - A Guide to Enhancing the Safety of Vulnerable Road Users in a CAV Future
- [NCHRP 20-123\(16\)](#) - Support for AASHTO Committees and Councils. Roadmap for the Transformation to Computer Simulation-Based Assessment of Bridge Railings
- [NCHRP 20-129](#) - Guide for Addressing Encampments on State Transportation Rights-of-Way
- [NCHRP 25-67](#) - Guide to Mitigation of Adverse Effects on Cultural Resources
- [NCHRP IDEA 20-30/IDEA 248](#) - An Enhanced Network-level Curve Safety Assessment and Monitoring Using Low-cost Mobile Devices – Refinement and Field Evaluation
- [TCRP A-49](#) - Fare Policies, Structures, and Technologies -- 2022 Updates
- [TCRP A-51](#) - Innovative Practices for Technology Implementation at Rural, Small, and Mid-Sized Transit Agencies
- [TCRP F-31](#) - Modernizing Transit Station Staffing Management
- [TCRP J-05/Topic 20-02](#) - Liability Insurance Issues for Transit Lawyers: A Primer
- [TCRP J-11/Task 46](#) - Zero-Emission Vehicles: New Tech, New Skills, New Jobs
- [TCRP J-11/Task 47](#) - Quick-Response Research on Long-Term Strategic Issues. Task 47. Affordable Housing and Transit
- [TRB/AAMVA 19-01](#) - RFQ: Demographic and Technological Trends Impacting the DMV of the Future

Reports from the [National Academies Press](#) on Innovation

- [Toward Equitable Innovation in Health and Medicine](#)
- [Review of the SBIR and STTR Programs at the National Science Foundation](#)
- [Infusing Advanced Manufacturing into Undergraduate Engineering Education](#)
- [NSF Efforts to Achieve the Nation's Vision for the Materials Genome Initiative: Designing Materials to Revolutionize and Engineer Our Future \(DMREF\)](#)
- [Carbon Dioxide Utilization Markets and Infrastructure: Status and Opportunities: A First Report](#)
- [Wastewater-based Disease Surveillance for Public Health Action](#)
- [Innovation, Global Value Chains, and Globalization Measurement](#)
- [Human-AI Teaming: State-of-the-Art and Research Needs](#)
- [Innovative Data Science Approaches to Identify Individuals, Populations, and Communities at High Risk for Suicide](#)
- [Innovation in Electronic Health Records for Oncology Care, Research, and Surveillance](#)
- [Catalyzing Innovative Health System Transformation](#)
- [Innovation in Cancer Care and Cancer Research in the Context of the COVID-19 Pandemic](#)

Committees & Panels

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[TRB Standing Committees](#) – Search by transportation mode and committee topic

- [AED20](#) - Urban Transportation Data and Information Systems
- [AED80](#) - Visualization in Transportation
- [AIE35](#) - Research Innovation Implementation Management
- [AIE50](#) - Economics and Finance
- [AII40](#) - Emerging Technology Law
- [AKB10](#) - Innovative Highway Structures and Appurtenances

- [AMR50](#) - Extreme Weather and Climate Change Adaptation
- [AP020](#) - Innovative Public Transportation Services and Technologies
- [AP025](#) - Public Transportation Planning and Development
- [AP045](#) - Passenger Intermodal Facilities
- [AT020](#) - International Trade and Transportation

Panels

- [D08130](#) - Best Practices in Coordination of Public Transit and Ride Sharing
- [D08144](#) - Rural Transit Fleet Mix and Vehicle Size Decision Trees
- [D08157](#) - Best Practices for Data Fusion of Probe and Point Detector Data
- [D2007424](#) - Best Practices for the Operations of Movable Bridges from Remote Locations
- [D2010228](#) - Best Practices in Work Zones for AVs and CVs
- [D2030](#) - IDEA (Innovations Deserving Exploratory Analysis)
- [DA0146](#) - Geospatial Data Governance--Organizational Factors and Best Practices
- [DA0147](#) - Guide to Airport Innovation--Creating an Organizational Fit for the Future
- [DA0344](#) - Best Practices in Building Air Service through Incentive Programs
- [DB022](#) - Effectiveness of Different Forms of Innovative Traffic Safety Messaging
- [DTFPE05](#) - Evaluation of FHWA's Every Day Counts Innovation Integrating NEPA and Permitting
- [E0005A](#) - Preparing for Automated Vehicles and Shared Mobility
- [E1008](#) - Rail Safety Innovations Deserving Exploratory Analysis
- [SN5417](#) - State DOT Innovation Programs and Practices
- [TD21](#) - Planning for Innovation & Emerging Mobility Futures at Intermodal Passenger Facilities
- [TI04](#) - Transit-Innovations Deserving Exploratory Analysis (IDEA)
- [TI1135](#) - Diversity and Inclusion Plans, Policies and Best Practices in the Transportation Industry
- [X0014](#) - AASHTO Special Committee on Research and Innovation

Councils

- [A001C](#) - Young Members Coordinating Council

Recent and Upcoming Events

[Upcoming TRB Conferences](#) – Use left hand menu to filter events

[Innovations in Freight Data Workshop](#)

Sept 19-21, 2023

Washington, D.C.

[Upcoming Events](#) – In the Upcoming Events tab under Types, choose what event you are interested in, search titles by keyword

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[International Conference on Road Weather and Winter Maintenance](#)

May 9-10, 2023

Washington, D.C.

[National Aviation System Planning Symposium](#)

May 15-18, 2023

Irving, CA

[Innovations in Travel Analysis and Planning Conference](#)

June 4-6, 2023

Indianapolis, IN

[Marine Transportation System Innovative Science and Technologies Toward Greater Sustainability](#)

June 19-22, 2023

Washington, D.C.

[National Conference on Transportation Asset Management](#)

July 8-11, 2023

Boston, MA

[TRB International Conference on Low Volume Roads](#)

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- 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
- **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

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