

TRB TRANSPORTATION RESEARCH BOARD

TRB Snap Search: Operations & Traffic Management

TRB's involvement in research on Operations & Traffic Management from 2022-2024

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- Opportunities for information exchange on current transportation research and practice
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- 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 Operations & Traffic Management within the past year.

Specialty Report

- [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 \(ACRP\)](#)
 - [Conference Proceedings on the Web Issue 29](#) – The Future of Aviation: Proceedings of an ACRP Insight Event
 - [Report 256](#) - Virtual Airport Ramp Control Operations Facilities: A Guide
 - [Report 253](#) - Airport Lessons Learned from the COVID-19 Pandemic
 - [Report 247](#) - Airfield Pavement Markings: Effective Techniques for Removal and Temporary Applications
 - [Report 246](#) - Airside Operations Safety: Understanding the Effects of Human Factors
 - [Report 244](#) - Advancing the Practice of State Aviation System Planning
 - [Report 237](#) - Primer and Framework for Considering an Airport Noise and Operations Monitoring System
 - [Report 231](#) - Evaluating the Traveler's Perspective to Improve the Airport Customer Experience
 - [Report 230](#) - Enhancing Academic Programs to Prepare Future Airport Industry Professionals
 - [Report 229](#) - Airport Collaborative Decision Making (ACDM) to Manage Adverse Conditions
 - [Synthesis 132](#) - Airport Landside Data: Collection and Application
 - [Synthesis 130](#) - Airport-Centric Advanced Air Mobility Market Study
 - [Synthesis 129](#) - Landscape of the FBO Industry in 2022
 - [Synthesis 127](#) - Airport Programs That Reduce Landside Vehicle Carbon Emissions
 - [Synthesis 121](#) - Managing a Flight Diversion with an Emergency Response at Small, Non-Hub, or General Aviation Airports
 - [Synthesis 118](#) - Airport Parking Pricing Strategies
 - [Synthesis 117](#) - Agricultural Operations on Airport Grounds
 - [WebResource 13](#) - Airside Planning, Design, Construction, Operations, and Maintenance
- [Behavioral Traffic Safety Cooperative Research Program \(BTSCRIP\)](#)
 - [Report 7](#) - Improving MPO and SHSO Coordination on Behavioral Traffic Safety: Guide and Toolkit
 - [Report 2](#) - Framework for Assessing Potential Safety Impacts of Automated Driving Systems (NCHRP Report 1001)
- [National Cooperative Highway Research Program \(NCHRP\)](#)
 - [IDEA Report 228](#) - A Retroreflective Road Lane Marking Tape 1,000X Brighter than Existing Technology

- [IDEA Report 217](#) - A Real-Time Proactive Intersection Safety Monitoring and Visualization System Based on Radar Sensor Data
- [IDEA Report 209](#) - An Automated System for Pedestrian Facility Data Collection from Aerial Images
- [IDEA Report 190](#) - Self-de-icing LED Signals for Railroads and Highway Intersection
- [Report 1097](#) - Development of Clear Recovery Area Guidelines
- [Report 1087](#) - Guide for Intersection Control Evaluation
- [Report 1071](#) - Application of Big Data Approaches for Traffic Incident Management
- [Report 1069](#) - Estimating Effectiveness of Safety Treatments in the Absence of Crash Data: A Guide
- [Report 1068](#) - Right-Turn-on-Red Site Considerations and Capacity Analysis: Practitioner's Guide
- [Report 1062](#) - Assessing the Impacts of Right-Turn Lanes on Rural and Suburban Highways
- [Report 1055](#) - Addressing Encroachment-Related Safety Issues in Work Zones: A Guide
- [Report 1051](#) - Preparing Transportation Agencies for Connected and Automated Vehicles in Work Zones
- [Report 1050](#) - Wrong-Way Driving Solutions Handbook
- [Report 1043](#) - Guide for Roundabouts
- [Report 1038](#) - Update of Highway Capacity Manual: Merge, Diverge, and Weaving Methodologies
- [Report 1032](#) - How to Measure and Communicate the Value of Access Management
- [Report 1006](#) - Guide to Understanding Effects of Raising Speed Limits
- [Report 1005](#) - Motorcycle Crashes into Traffic Barriers: Factors Related to Serious and Fatal Injuries
- [Report 1003](#) - Guide to Alternative Technologies for Preventing and Mitigating Vehicle Intrusions into Highway Work Zones
- [Report 1001](#) - Framework for Assessing Potential Safety Impacts of Automated Driving Systems (BTSCRIP Report 2)
- [Report 986](#) - Implementation of the AASHTO Guide for Enterprise Risk Management
- [Report 981](#) - Development of Guidelines for Quantifying Benefits of Traffic Incident Management Strategies
- [Report 978](#) - Initiating the Systems Engineering Process for Rural Connected Vehicle Corridors, Volume 1: Research Overview
- [Report 978](#) - Initiating the Systems Engineering Process for Rural Connected Vehicle Corridors, Volume 2: Model Concept of Operations
- [Report 978](#) - Initiating the Systems Engineering Process for Rural Connected Vehicle Corridors, Volume 3: Model System Requirements Specification
- [Report 969](#) - Traffic Signal Control Strategies for Pedestrians and Bicyclists
- [Report 966](#) - Posted Speed Limit Setting Procedure and Tool: User Guide
- [Synthesis 587](#) - Use of Smart Work Zone Technologies for Improving Work Zone Safety
- [Synthesis 575](#) - Lighting Practices for Isolated Rural Intersections
- [Synthesis 561](#) - Use of Vehicle Probe and Cellular GPS Data by State Departments of Transportation
- [Transportation Operation Manual, 1st Edition](#) (published by AASHTO)
- [Web-Only Document 394](#) - Evaluation of Change and Clearance Intervals Prior to the Flashing Yellow Arrow Permissive Left-Turn Indication
- [Web-Only Document 380](#) - Accessing America's Great Outdoors: Forecasting Recreational Travel Demand
- [Web-Only Document 377](#) - Background and Development of a Guide for Intersection Control Evaluation
- [Web-Only Document 369](#) - Estimating Effectiveness of Safety Treatments in the Absence of Crash Data
- [Web-Only Document 368](#) - Right-Turn-on-Red Operation at Signalized Intersections with Single and Dual Right-Turn Lanes: Evaluating Performance
- [Web-Only Document 365](#) - Life-Cycle Planning Analysis in a Transportation Asset Management Framework
- [Web-Only Document 361](#) - Determination of Work Zone Encroachments
- [Web-Only Document 357](#) - Wrong-Way Driving Solutions Handbook
- [Web-Only Document 347](#) - Background and Summary of a Guide for Roundabouts
- [Web-Only Document 343](#) - Traffic Modeling Document
- [Web-Only Document 328](#) - Safety Effects of Raising Speed Limits to 75 mph and Higher
- [Web-Only Document 327](#) - Serious and Fatal Motorcycle Crashes into Traffic Barriers: Injury Information
- [Web-Only Document 322](#) - Alternative Technologies for Mitigating the Risk of Injuries and Deaths in Work Zones: Conduct of Research
- [Web-Only Document 318](#) - Safety Prediction Models for Six-Lane and One-Way Urban and Suburban Arterials
- [Web-Only Document 316](#) - Human Factors Guidelines for Road Systems 2021 Update, Volume 1: Updated and New Chapters
- [Web-Only Document 316](#) - Human Factors Guidelines for Road Systems 2021 Update, Volume 2: Conduct of Research Report
- [Web-Only Document 309](#) - Safety Performance of Part-Time Shoulder Use on Freeways, Volume 1: Informational Guide and Safety Evaluation Guidelines
- [Web-Only Document 309](#) - Safety Performance of Part-Time Shoulder Use on Freeways, Volume 2: Conduct of Research Report
- [Web-Only Document 301](#) - Guidelines for Quantifying Benefits of Traffic Incident Management Strategies

- [Transit Cooperative Research Program \(TCRP\)](#)
 - [IDEA Report 95](#) - Connected and Automated Parking Feasibility – A Pilot Study
 - [Report 238](#) - Quantitative Procedures for Designing and Operating Ferry Transit Services
 - [Report 237](#) - Fare-Free Transit Evaluation Framework
 - [Report 234](#) - Measuring and Managing Fare Evasion
 - [Synthesis 171](#) - Third-Party Contracts for Fixed-Route Bus Operations and Maintenance: Performance Metrics
 - [Synthesis 159](#) - Assessing Equity and Identifying Impacts Associated with Bus Network Redesigns

Recently Completed/Pending Publication

- [ACRP 11-08\(20-02\)](#) - ACRP Insight Event--On-Demand Aviation Services for Mobility, Logistics, Emergency Response, and Humanitarian Use Cases
- [ACRP 09-21](#) - Asset Information Handover Guidelines: From Planning and Construction to O&M
- [ACRP 03-52](#) - Guidelines for Adapting and Managing Airport Common Use Programs
- [NCHRP 17-95](#) - Crash Modification Factors (CMFs) for Intelligent Transportation System (ITS) Applications
- [NCHRP 17-92](#) - Developing Safety Performance Functions for Rural Two-Lane Highways that Incorporate Speed Measures
- [NCHRP 17-88](#) - Roadside Encroachment Database Development and Analysis
- [NCHRP 15-66](#) - Operational Performance and Safety Effects of Arterial Weaving Sections
- [NCHRP 14-42](#) - Determining the Impact of Connected and Automated Vehicle Technology on State DOT Maintenance Programs
- [NCHRP 08-145](#) - Utilizing Cooperative Automated Transportation (CAT) Data to Enhance the Use of Freeway Operational Strategies
- [NCHRP 08-135](#) - Reliability and Quality of Service Evaluation Methods for Rural Highways
- [NCHRP 05-22A](#) - Gaps and Emerging Technologies in the Application of Solid-State Roadway Lighting
- [NCHRP 03-128](#) - Business Intelligence Techniques for Transportation Agency Decision Making

Current & Upcoming Projects

- [Current Projects](#)
 - [ACRP 01-41](#) - Airport Blockchain Implementation Guidebook
 - [ACRP 02-95](#) - Understanding Airport Air Quality and Public Health Studies Related to Airports: An Update to ACRP Report 135
 - [ACRP 02-98](#) - Airport Energy Resiliency Primer and Roadmap
 - [ACRP 03-66](#) - Guidebook for Digital Twin Programs at Airports
 - [ACRP 03-70](#) - Incorporating Technologies into Airport In-Terminal Concession Programs
 - [ACRP 04-26](#) - Uncontrolled Terminal Evacuations: Planning, Response, and Recovery
 - [ACRP 07-17](#) - Update to ACRP Report 40: Airport Roadway Analysis and Curbside Congestion Management Strategies
 - [ACRP 10-32](#) - U.S. Airport Industry Adoption of Automated Ground Vehicle Systems
 - [ACRP 10-33](#) - Incorporating Emerging Transportation and Ground Access Technologies at Airports
 - [ACRP 10-35](#) - Readiness and Feasibility of Automatic Dependent Surveillance-Broadcast (ADS-B) Data for Airport Use Cases
 - [ACRP 11-02/Task 37](#) - Periodic Report on Transformative Technology at Airports
 - [ACRP Synthesis 11-03/Topic S03-19](#) - Airport Parking Reservation Systems and Techniques
 - [ACRP Synthesis 11-03/Topic S06-08](#) - Exploring Airport Employee Commuting and Transportation Needs
 - [ACRP Synthesis 11-03/Topic S10-20](#) - Identifying Military Resources and Strategies to Improve Civilian Airport Resiliency
 - [NCHRP 03-114\(01\)](#) - Planning and Evaluating Active Traffic Management Strategies
 - [NCHRP 03-134](#) - Determination of Encroachment Conditions in Work Zones
 - [NCHRP 03-135](#) - Wrong-Way Driving Solutions, Policy, and Guidance
 - [NCHRP 03-139](#) - Next Generation of the USLIMITS2 Speed Limit Setting Expert System
 - [NCHRP 03-144](#) - Leveraging Existing Traffic Signal Assets to Obtain Quality Traffic Counts and Enhance Transportation Monitoring Programs
 - [NCHRP 07-30](#) - Methods for Assigning Short-Duration Traffic Volume Counts to Adjustment Factor Groups for Estimating AADT
 - [NCHRP 08-130](#) - Best Practices in Coordination of Public Transit and Ride Sharing
 - [NCHRP 08-138](#) - Guide to the Integration of Transportation Systems Management and Operations into Transportation Asset Management
 - [NCHRP 08-140](#) - Guide for Truck Parking Information Management Systems
 - [NCHRP 08-141](#) - A Guidebook for Local Truck Parking Regulations

- [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 08-146](#) - Integrating Resiliency into Transportation System Operations
- [NCHRP 08-147](#) - Improving Public Transportation in Rural Areas and Tribal Communities
- [NCHRP 08-149](#) - Estimating Benefits of Closing Gaps in Active Transportation Networks
- [NCHRP 08-157](#) - Best Practices for Data Fusion of Probe and Point Detector Data
- [NCHRP 10-109](#) - Modern Solutions to Safe and Efficient Work Zone Travel
- [NCHRP 15-73](#) - Design Options to Reduce Turning Motor Vehicle–Bicycle Conflicts at Controlled Intersections
- [NCHRP 15-79](#) - Development of Guidance for Non-Standard Roadside Hardware Installations
- [NCHRP 17-09](#) - Crash Modification Factors for Automated Traffic Signal Performance Measures
- [NCHRP 17-99](#) - Safety Effectiveness Assessment of Advanced Highway-Rail Grade Crossing Improvements
- [NCHRP 17-101](#) - Assessing Safety Effectiveness of Treatments and Technologies at Highway-Rail Grade Crossings
- [NCHRP 17-108](#) - Developing Crash Modification Factors for Alternative Intersections
- [NCHRP 19-19](#) - Sustaining Zero-Fare Public Transit in a Post COVID-19 World: A Guide for State DOTs
- [NCHRP 19-23](#) - Revenue-Related Strategies for New Mobility Options
- [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 20-50\(21\)](#) - Enhancements of Climatic Inputs and Related Models for Pavement ME Using LTPP Climate Tool (MERRA-2)
- [NCHRP 20-65/Task 81](#) - Best Practices in Rural Service Assessment
- [NCHRP 20-102\(16\)](#) - Impacts of Connected, Automated Vehicle Technologies on Traffic Incident Management Response
- [NCHRP 20-102\(28\)](#) - Preparing Transportation Agencies for Connected and Automated Vehicles in Work Zones
- [NCHRP 20-123\(12\)](#) - System Mobility and Emerging Technologies (SMET): Strategic Planning Session and Research Roadmap Development
- [NCHRP 20-123\(18\)](#) - Development of a New Transportation System Operations Strategic Plan
- [NCHRP 22-42A](#) - Impact Performance Assessment of Barrier Performance at High Speeds
- [NCHRP 22-43](#) - Proposed AASHTO Guidelines for Implementation of MASH for Sign Supports, Breakaway Poles, and Work Zone Traffic Control Devices
- [NCHRP 22-46](#) - Human Factors Guidelines for Road Systems, Proposed 4th Edition
- [NCHRP 23-13\(01\)](#) - Telecommuting, Remote Work, and Hybrid Schedules: Managing the Shift to a Flexible Work Future
- [NCHRP 23-13\(04\)](#) - Scoping Supply Chain Challenges and Solutions amid COVID-19
- [NCHRP 23-13\(05\)](#) - Regulatory Relief of Commercial Vehicle Weight Requirements for Emergency Transportation of Critical Commodities
- [NCHRP 23-13\(06\)](#) - Assessing the Equity and Workforce Mobility Implications of the Expansion of E-Commerce and Direct-to-Consumer Delivery Services
- [NCHRP 23-19](#) - Practices for Transportation Agency Procurement and Management of Advanced Technologies
- [NCHRP 23-20](#) - Guidebook for Implementation of UAS Operational Capabilities
- [NCHRP 23-28](#) - Planning for 4.9 GHz Spectrum Changes — What Transportation Agencies Need to Know
- [NCHRP IDEA 20-30/IDEA 225](#) - An Automated System for Large-Scale Intersection Marking Data Collection and Condition Assessment
- [NCHRP IDEA 20-30/IDEA 241](#) - Producing DynaSignal: A Novel Aerodynamic Solution for Traffic Signal Lights to Mitigate Large Vibrations and Fatigue-Related Issues in Structural Supports of Traffic Signals
- [NCHRP Synthesis 20-05/Topic 53-10](#) - Identifying the Current Practice of Contrast Pavement Markings by Departments of Transportation
- [NCHRP Synthesis 20-05/Topic 52-13](#) - Micromobility Policies, Permits, and Practices
- [NCHRP Synthesis 20-05/Topic 53-16](#) - Critical Findings for Tunnel Functional Systems
- [NCHRP Synthesis 20-05/Topic 54-05](#) - Practices for Statewide and MPO Coordination
- [NCHRP Synthesis 20-05/Topic 54-13](#) - Truck Escape Ramp Design and Operation
- [NCHRP Synthesis 20-05/Topic 55-13](#) - Practices for Operational Traffic Simulation Models
- [NCHRP Synthesis 20-05/Topic 55-20](#) - Traffic Capacity Level of Service Adaptations and Usage
- [TCRP A-47](#) - Transit Capacity and Quality of Service Manual, Fourth Edition
- [TCRP B-49](#) - Improving Public Transportation in Rural Areas and Tribal Communities
- [TCRP B-50](#) - Accessible Public Bus and Rail Passenger Information for Riders with Vision Disabilities
- [TCRP B-54](#) - Paving the Way for Inclusion: Addressing Gaps in Measuring Disability within Transportation Data Systems
- [TCRP D-21](#) - Planning for the Future of Intermodal Passenger Facilities: Guide and Decision-Making Framework
- [TCRP J-11/Task 44](#) - Improving Access to Public Transportation Services and Facilities with Transit-Oriented Complete Streets
- [TCRP Synthesis J-07/Topic SA-55](#) - On Street Bus Operations Management
- [TCRP Synthesis J-07/Topic SA-61](#) - State of Practice for Transit Recovery in the Aftermath of Severe Weather Events
- [TCRP Synthesis J-07/Topic SA-62](#) - Planning and Operations Initiatives to Support Nighttime Off-Peak Transit Ridership
- [TCRP Synthesis J-07/Topic SB-36](#) - Dynamic Optimization on ADA Paratransit Service

- [TCRP Synthesis J-07/Topic SB-38](#) - Paratransit Fleet Configurations
- [TCRP Synthesis J-07/Topic SB-40](#) - Low-Income Transit Discount Provision at Public Transit Agencies in the United States
- [TCRP Synthesis J-07/Topic SB-42](#) - Operational and Service Factors When Integrating/Consolidating ADA Paratransit and On-Demand Services
- [TCRP Synthesis J-07/Topic SD-07](#) - Red Tinted Bus Lanes Experience
- [TCRP Synthesis J-07/Topic SG-20](#) - Performance Metrics in Third Party Contracts for Bus Operations and Maintenance
- [Transit IDEA J-04/IDEA 99](#) - Bike Love
- [Upcoming Projects](#)
 - [ACRP 03-63](#) - Modernizing Air Cargo Operations in U.S. Airports
 - [ACRP 03-74](#) - ACRP Web Resource for Airport User Choice Modeling and Analysis
 - [ACRP 03-75](#) - Preparing for Hydrogen at Airports
 - [ACRP 06-10](#) - Enhancing Airport Workforce Efficiency through Automation
 - [ACRP 07-24](#) - Airport Security Checkpoint Demand Management Using Virtual Queuing
 - [ACRP 08-04](#) - A Blueprint for Incorporating ORAT into Airports
 - [ACRP 11-01/Topic 16-01](#) - Update to ACRP Legal Research Digest 18: Buy America Requirements for Federally Funded Airports
 - [ACRP Synthesis 11-03/Topic S10-21](#) - Utilizing Airport Automatic Dependent Surveillance-Broadcast (ADS-B) Data
 - [NCHRP 03-129A](#) - Update of Essential Communications: A Guide to Land Mobile Radio (LMR)
 - [NCHRP 03-143](#) - Framework and Toolkit for Selecting Pedestrian Crossing Treatments
 - [NCHRP 03-145](#) - National Traffic Sensor System Evaluation Program
 - [NCHRP 03-147](#) - LED Applications on Traffic Control Devices
 - [NCHRP 03-146](#) - Guide for Transportation Operations Manual Implementation
 - [NCHRP 03-147](#) - LED Applications on Traffic Control Devices
 - [NCHRP 03-148](#) - Preparing for Virtual Operation of Traffic Management Systems
 - [NCHRP 03-149](#) - Evaluation of the Traffic Signal Timing Manual, Third Edition
 - [NCHRP 03-150](#) - Update to Procedure for Determining Work Zone Speed Limits
 - [NCHRP 03-151](#) - Data Subsystems and Data Management Plans for Traffic Management Systems
 - [NCHRP 05-27](#) - Guide for Lighting at Innovative Intersections/Interchanges, including Roundabouts
 - [NCHRP 07-32](#) - Guide for Long-Term Automatic Traffic Signal Performance Measurement Systems Applications
 - [NCHRP 07-34](#) - Artificial Intelligence for Transportation Systems Management and Operations Applications
 - [NCHRP 07-36](#) - Guide for Self-Explaining Roads in the Context of the Safe System Approach
 - [NCHRP 08-175](#) - Understanding Travel Behavior Impacts of Transportation Systems Management and Operations Strategies
 - [NCHRP 08-182](#) - Playbook for Communicating Benefits of Transportation Systems Management and Operations Strategies Using System Performance Data
 - [NCHRP 15-82](#) - Relationship of Speed, Roadway Geometrics, and Crashes on High-Speed Rural Highways
 - [NCHRP 17-111](#) - Speed Management Strategies to Improve Pedestrian and Bicyclist Safety on Arterials and Higher-Speed Roadways
 - [NCHRP 17-114](#) - Integrated Strategies for Managing Excessive Travel Speed to Improve Safety Performance
 - [NCHRP 17-115](#) - Guide for Marked Crosswalk Design, Spacing, Placement, and Safety
 - [NCHRP 17-118](#) - Understanding the Impacts of Operational Changes on Safety Performance
 - [NCHRP 17-119](#) - Conflict-Based Crash Prediction Method for Intersections
 - [NCHRP 17-122](#) - Strategies and Technologies for Warning, Detection, and Prevention of Trespassing in the Vicinity of Highway-Rail Grade Crossings: State of the Practice and Research Needs
 - [NCHRP 17-124](#) - Effectiveness of Speed Reduction in Work Zones
 - [NCHRP 17-128](#) - Reducing Adverse Driving Behaviors in Work Zones: Strategies and Guidelines
 - [NCHRP 17-129](#) - Assessing Safety Performance of Atypical Service Interchanges
 - [NCHRP 20-130](#) - Incorporating Human Factors Guidelines into Transportation Projects, Programs, and Practices
 - [NCHRP 22-62](#) - Tool for Estimating the Deflection of Temporary Traffic Barriers with Reduced Impact Angles
 - [NCHRP Synthesis 20-05/Topic 55-13](#) - Practices for Operational Traffic Simulation Models
 - [NCHRP Synthesis 20-05/Topic 55-20](#) - Traffic Capacity Level of Service Adaptations and Usage
 - [TCRP A-49](#) - Fare Policies, Structures, and Technologies -- 2024 Updates
 - [TCRP J-05/Topic 19-05](#) - Legal Issues Surrounding Disasters and Evacuations

Reports from the [National Academies Press](#) on Operations & Traffic Management

- [Transportation and Infrastructure » Operations and Traffic Management](#)
- [Supply Chain Disruptions: Impacts on Vulnerable Communities - Proceedings of a Workshop—in Brief](#)

- [Community-Driven Relocation: Recommendations for the U.S. Gulf Coast Region and Beyond](#)
- [Planning the Future Space Weather Operations and Research Infrastructure](#)
- [Enhancing Operational Effectiveness of U.S. Naval Forces in Highly Degraded Environments: Autonomy and Artificial Intelligence in Unmanned Aircraft Systems](#)
- [Enabling DoD's Test Ranges and Infrastructure to Meet Threats and Operational Needs in the 21st Century](#)
- [Aviation After a Year of Pandemic](#)

Committees & Panels

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TRB Standing Committees – Search by transportation mode and committee topic

- [ACP00](#) - Operations
- [ACP10](#) – Regional Transportation Systems Management and Operations
- [ACP15](#) – Intelligent Transportation Systems
- [ACP20](#) – Freeway Operations
- [ACP25](#) – Traffic Signal Systems
- [ACP30](#) – Vehicle-Highway Automation
- [ACP35](#) – Managed Lanes
- [ACP40](#) – Highway Capacity and Quality of Service
- [ACP50](#) – Traffic Flow Theory and Characteristics
- [ACP55](#) – Traffic Control Devices
- [ACP60](#) – Access Management
- [ACP80](#) - Traffic Simulation
- [AKD10](#) – Performance Effects of Geometric Design
- [AKD80](#) – Roundabouts and other Intersection Design and Control Strategies
- [AKR10](#) – Maintenance and Operations Management
- [AMR20](#) – Disaster Response, Emergency Evacuations, and Business Continuity
- [AR080](#) – Highway/Rail Grade Crossings
- [AV095](#) - New Users of Shared Airspace

Task Forces - Search for *task force* under committee here

Policy Study

- [B0024](#) - Research and Technology Coordinating Committee (FHWA)

CRP/Synthesis Panels

- [D03146](#) - Transportation Operations Manual Best Practices Guide
- [D08119](#) - Developing Data Standards and Guidance for Transportation Planning and Traffic Operations – Phase I
- [D08138](#) - Connecting Transportation Asset Management (TAM) and Transportation System and Management Operations (TSMO)
- [D08146](#) - Integrating Resiliency into Transportation System Operations
- [D08175](#) - Understanding Travel Behavior Impacts of Transportation Systems Management and Operations (TSMO)
- [D08182](#) - Using System Performance Data to Communicate Benefits of Transportation Systems Management and Operations (TSMO) Strategies
- [D17101](#) - Applying the Safe System Approach to Transportation Planning, Design, and Operations in the United States
- [D2007424](#) - Best Practices for the Operations of Movable Bridges from Remote Locations
- [D2010212](#) - Business Models to Facilitate Deployment of CV Infrastructure to Support AV Operations
- [D2012318](#) - Development of a New Transportation System Operations Strategic Plan
- [D204447](#) - UAS Operations Practical Skills Pilot Program for State DOTs
- [DA0135](#) - Transportation Network Companies (TNCs): Impacts to Airport Revenues and Operations
- [DA0289](#) - Industry Survey - Benefits and Costs for Airport Noise and Operations Monitoring Systems
- [DA0348](#) - Advanced Ground Vehicle Technologies (AGVT) for Airside Operations
- [DA0356](#) - Airside Planning, Design and Operations: Electronic Resource Delivery
- [DA0363](#) - Modernizing Air Cargo Operations and Infrastructure at U.S. Airports
- [DA0608](#) - Human Factors in Airport Operations
- [DA0717](#) - Update ACTP Report 40: Airport Curbside and Terminal Area Roadway Operations
- [DA0921](#) - Guidelines for the Effective Transition of Asset Data from Design/Construction to Operations and Maintenance
- [DA1031](#) - Guidebook for Virtual Airport Ramp Control Operations Facilities
- [DA1032](#) - Airside Automated Ground Vehicle Technology (AGVT) Demonstration to Support Airport Operations
- [DA1036](#) - Review and Update of ACRP Products Related to Airport Operations
- [SAS1016](#) - Airport Operations Training at Small Airports

- [SAS1019](#) - Airport Landside Operations Data and Collection Method
- [SN5314](#) - Use of Probe Data for Freight Planning and Operations
- [SN5401](#) - Practices to Identify and Mitigate PFAS Impacts on Highway Construction Projects and Maintenance Operations
- [SN5422](#) - Practices for Capturing Costs of Maintenance Operations in Maintenance Management Systems
- [STSA55](#) - On Street Bus Operations Management
- [STSA62](#) - Planning and Operations Initiatives to Support Nighttime Off-Peak Transit Ridership
- [STSG20](#) - Performance Metrics in Third Party Contracts for Bus Operations and Maintenance
- [TA46](#) - Ferry Transit Operations and Capacity Guidebook
- [TJ1151](#) - Enhancing Transit Operations with Artificial Intelligence

Councils

- [A001C](#) – Young Members Coordinating Council
- [A0030C](#) - City Transportation Issues Coordinating Council
- [A0040C](#) - Rural Transportation Issues Coordinating Council

Recent and Upcoming Events

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

[TRB Webinar: Wrong-Way Driving Solutions Handbook](#)

March 27, 2024

[TRB's 4th International Conference on Access Management](#)

June 24-26, 2024

Boston, MA

[TRB's Symposium on Managed Lanes](#)

August 12-14, 2024

Irvine, CA

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

[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](#)

July 23-26, 2023

Cedar Rapids, IA

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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
- **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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