TRB Snap Search: Safety & Human Factors

TRB's involvement in research on Safety & Human Factors 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.

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 on Safety & Human Factors within the past year.

Subject Webpages

- Safety & Human Factors Research at TRB
- Behavioral Traffic Safety Cooperative Research Program (BTSCRP)

Specialty Report

- 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 233 - Airport Biometrics: A Primer
  - Report 229 - Airport Collaborative Decision Making (ACDM) to Manage Adverse Conditions
  - WebResource 11 - Construction Safety and Phasing Plans

- Behavioral Traffic Safety Cooperative Research Program (BTSCRP)
  - Report 1 - Using Electronic Devices While Driving: Legislation and Enforcement Implications
  - Report 3 - Behavioral Traffic Safety Messaging on Variable Message Signs
  - Research Results Digest 1 - E-Scooter Safety: Issues and Solutions
  - Web-Only Document 1 - Influence of Infrastructure Design on Distracted Driving
  - Web-Only Document 2 - Development of Research Problem Statements That Utilize Naturalistic Driving Data to Improve Teen Driving Safety

- IDEA Safety Program
  - Report 45 - Development of a Fatigue Load for Railway Bridges
  - Report 44 - Laser-based Non-destructive Spike Defect Inspection System
  - Report 38 - Minimization of Weld Failures by Means of Gas and Shrinkage Porosity Reduction
  - Report 37 - Measuring Behavior of Railroad Bridges under Revenue Traffic using Lasers and Unmanned Aerial Vehicles (UAVs) for Safer Operations: Implementation
  - Report 36 - Onboard High-Bandwidth Fiber-Optic Sensing System for Broken Rail Detection

Updated 11/01/2022
• National Cooperative Highway Research Program (NCHRP)
  o IDEA Report 228 - A Retroreflective Road Lane Marking Tape 1,000X Brighter than Existing Technology
  o IDEA Report 217 - A Real-Time Proactive Intersection Safety Monitoring and Visualization System Based on Radar Sensor Data
  o IDEA Report 214 - An Enhanced Network-Level Curve Safety Assessment and Monitoring Using Mobile Devices
  o IDEA Report 212 - Non-Gating Guardrail Terminal
  o IDEA Report 206 - Rule-Based Automated Safety Monitoring System for Work Zone Safety
  o Report 1016 - Design Guidelines for Mitigating Collisions with Trees and Utility Poles
  o Report 1010 - In-Service Performance Evaluation: Guidelines for the Assembly and Analysis of Data
  o Report 1006 - Guide to Understanding Effects of Raising Speed Limits
  o Report 992 - Guide to Pedestrian Analysis
  o Report 991 - Guidelines for the Development and Application of Crash Modification Factors
  o Report 983 - Reliability of Crash Prediction Models: A Guide for Quantifying and Improving the Reliability of Model Results
  o Report 981 - Guidelines for Quantifying Benefits of Traffic Incident Management Strategies
  o Report 974 - Application of Crash Modification Factors for Access Management, Volume 2: Research Overview
  o Report 969 - Traffic Signal Control Strategies for Pedestrians and Bicyclists
  o Synthesis 592 - Practices for Balancing Safety Investments in a Comprehensive Safety Program
  o Synthesis 591 - Use of Safety Management Systems in Managing Highway Maintenance Worker Safety
  o Synthesis 587 - Use of Smart Work Zone Technologies for Improving Work Zone Safety
  o Synthesis 582 - Highway Infrastructure Inspection Practices for the Digital Age
  o Synthesis 575 - Lighting Practices for Isolated Rural Intersections
  o Synthesis 574 - Temporary Pavement Markings Placement and Removal Practices in Work Zones
  o Synthesis 571 - Load Rating of Bridges and Culverts with Missing or Incomplete As-Built Information
  o Web-Only Document 332 - Multi-State In-Service Performance Evaluations of Roadside Safety Hardware
  o Web-Only Document 319 - Roadside Safety Analysis Program (RSAP) Update
  o Web-Only Document 318 - Safety Prediction Models for Six-Lane and One-Way Urban and Suburban Arterials
  o Web-Only Document 316 Vol 1 - Human Factors Guidelines for Road Systems 2021 Update, Volume 1: Updated and New Chapters
  o Web-Only Document 312 - Enhancing Pedestrian Volume Estimation and Developing HCM Pedestrian Methodologies for Safe and Sustainable Communities
  o Web-Only Document 306 - Safety Prediction Methodology and Analysis Tool for Freeways and Interchanges

• Special Reports / Consensus Studies
  o Report 345 - Preparing for LNG by Rail Tank Car: A Readiness Review
  o Report 344 - Emerging Hazards in Commercial Aviation—Report 1: Initial Assessment of Safety Data and Analysis Processes
  o Report 343 - Strengthening U.S. Coast Guard Oversight and Support of Recognized Organizations: The Case of the Alternative Compliance Program
  o Report 342 - Options for Improving the Safety of DUKW Type Amphibious Vessels
  o Report 341 - Technical Feasibility of a Wheelchair Securement Concept for Airline Travel: A Preliminary Assessment
  o Report 339 - Preparing for LNG by Rail Tank Car: A Review of a U.S. DOT Safety Research, Testing, and Analysis Initiative
  o Report 338 - Modernizing the U.S. Offshore Oil and Gas Inspection Program for Increased Agility and Safety Vigilance
• **Transit Cooperative Research Program (TCRP)**
  - IDEA Report 98 - Safety Assessment of the Interaction Between the Autonomous Shuttle Bus and Vulnerable Road Users
  - IDEA Report 88 - Evaluation of an Automatic, Individual Computer-Based Driver Education and Training Program
  - Legal Research Digest 58 - Policing and Public Transportation
  - Report 234 - Measuring and Managing Fare Evasion
  - Report 233 - Strategies for Deterring Trespassing on Rail Transit and Commuter Rail Rights-of-Way, Volume 1: Guidebook
  - Report 233 - Strategies for Deterring Trespassing on Rail Transit and Commuter Rail Rights-of-Way, Volume 2: Research Overview
  - Report 229 - Assessing and Mitigating Electrical Fires on Transit Vehicles
  - Synthesis 159 - Assessing Equity and Identifying Impacts Associated with Bus Network Redesigns
  - Synthesis 157 - Transit Safety Risk Assessment Methodologies

**Current & Upcoming Projects**

• **Current Projects**
  - ACRP 01-41 - Airport Blockchain Implementation Guidebook
  - ACRP 01-44 - Airport Insurance Requirements
  - ACRP 02-94 - Update ACRP WebResource 4: Airport Air Quality Resource Library
  - ACRP 02-95 - Understanding Airport Air Quality and Public Health Studies Related to Airports: An Update to ACRP Report 135
  - ACRP 03-49 - Effective Collaboration to Plan and Respond to Communicable Disease Threats
  - ACRP 03-57 - A Guidebook to Prepare Airports for Transformations in Wireless Connectivity
  - ACRP 04-24 - Guidelines to Develop an Anti-Human Trafficking Action Plan for Airports
  - ACRP 04-25 - Airports and Communicable Diseases—Preparedness and Response
  - ACRP 04-27 - Alternative Methods to Manage Tree Growth Near Airports
  - ACRP 04-28 - Developing Alternative Aircraft Arresting Systems
  - ACRP 10-29 - Aircraft Jet Blast Estimation Tool
  - ACRP 10-30 - Evaluating the Effectiveness of an Airport’s Wildlife Hazard Management Program
  - ACRP 11-01/Topic 14-01 - Legal Considerations for Airports Responding to Pandemics
  - ACRP 11-02/Task 41 - Toward a Touchless Airport Journey
  - ACRP Synthesis 11-03/Topic S06-07 - Evolution of Airport Work Models and Strategies
  - BTSCRPT BTS-04 - Tracking State Traffic Citation and Adjudication Outcomes
  - BTSCRPT BTS-06 - MPO and SHSO Coordination on Behavioral Traffic Safety
  - BTSCRPT BTS-11 - Ensuring Child Safety in New Travel Modes
  - BTSCRPT BTS-12 - State Practices Promoting Older Driver Safety
  - BTSCRPT BTS-13 - Communicating Safe Behavior Practices to Vulnerable Road Users
  - BTSCRPT BTS-14 - Understanding and Analyzing Crash Contributing Factors (Joint project with NCHRP 22-45)
  - BTSCRPT BTS-15 - Highway Safety Strategies for Rural Communities
  - BTSCRPT BTS-16 - Developing On-road Driver Skills Test and Scoring Guidance for Measuring and Predicting High Safety Risk Drivers
  - BTSCRPT BTS-17 - Determining the Effectiveness of Combined High Visibility Enforcement (HVE)
  - BTSCRPT BTS-19 - Improving Moped and Seated Motor Scooter (50 cc or less) Rider Safety
  - BTSCRPT BTS-20 - Strategies to Address Misreporting of Impaired and Distracted Driving in Motor Vehicle Crashes
  - BTSCRPT BTS-22 - Guidelines for Selecting Communication Channels to Deliver Traffic Safety Messaging
  - BTSCRPT BTS-23 - Outcomes of Variability in Teen Driving Experience and Exposure: Evidence from the Naturalistic Driving Study
  - NCHRP 03-119 - Application of MASH Test Criteria to Breakaway Sign and Luminaire Supports and Crashworthy Work-Zone Traffic Control Devices
  - NCHRP 03-130 - Guide for Roundabouts
  - NCHRP 03-132 - Guidance for Safe and Effective Temporary Traffic Control for Mobile Operations on Two-Lane Two-Way Roadways
  - 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
- Evaluating the Impacts of Real-Time Warnings and Variable Speed Limits on Safety and Travel Reliability during Weather Events
- Guidelines for Vehicle and Equipment Color, Marking, and Lighting
- Modern Solutions to Safe and Efficient Work Zone Travel
- Guide for Preventing and Mitigating the Risk of Bridge and Tunnel Strikes by Motor Vehicles
- Best Practices for Data Fusion of Probe and Point Detector Data
- Operational Performance and Safety Effects of Arterial Weaving Sections
- Effective Low-Noise Rumble Strips
- Design Options to Reduce Turning Motor Vehicle–Bicycle Conflicts at Intersections
- Safety Evaluation of On-Street Bicycle Facility Design Features
- Guidebook for Urban and Suburban Roadway Cross-Sectional Reallocation
- Development of Clear Recovery Area Guidelines
- Long-Term Roadside Crash Data Collection Program
- Benefit-Cost Methodology for Behavioral Highway Safety Countermeasures
- Estimating Effectiveness of Safety Treatments in the Absence of Crash Data
- Roadside Encroachment Database Development and Analysis
- Developing Safety Performance Functions for Rural Two-Lane Highways that Incorporate Speed Measures
- Updating Safety Performance Functions for Data-Driven Safety Analysis
- Crash Modification Factors for Intelligent Transportation Systems (ITS) Applications
- Traffic Safety Culture Research Roadmap
- Strategies to Improve Pedestrian Safety at Night
- Assessing Safety Effectiveness of Treatments and Technologies at Highway–Rail Grade Crossings
- Leveraging Artificial Intelligence and Big Data to Enhance Safety Analysis
- Applying the Safe System Approach to Transportation Planning, Design, and Operations in the United States
- Developing Crash Modification Factors for Alternative Intersections
- Implementation for NCHRP Report 948 - Guide for Pedestrian and Bicyclist Safety at Alternative and Other Intersections and Interchanges
- Impacts of Connected, Automated Vehicle Technologies on Traffic Incident Management Response
- Deploying Transportation Security Practices in State DOTs
- Evaluating the Performance of Longitudinal Barriers on Curved, Superelevated Off-Ramps
- Development of a Barrier Design to Accommodate Vehicles, Pedestrians, and Cyclists
- Development of MASH TL-3 Deflection Reduction Guidance for 31-inch Guardrail
- Guardrail Performance at Various Offsets from Curb MASH TL-3 Applications
- Update to AASHTO M 180-18 and Associated Highway Guardrail Specifications
- Proposed AASHTO Guidelines for Implementation of MASH for Sign Supports, Breakaway Poles, and Work Zone Traffic Control Devices
- A Transportation Agency Data Collection Practice for Use with In-Service Performance Evaluations (ISPEs)
- Understanding and Analyzing Crash Contributing Factors
- Incorporating Driver Behavior and Characteristics into Safety Prediction Methods
- Development of Crash Prediction Models for Short-Term Durations
- The Effect of Vehicle Mix on Crash Frequency and Crash Severity
- Delineation of Linear Roadside Hardware Systems and Roadside Obstacles
- Implementation of MASH Surrogate Test Vehicles for Sign Supports, Breakaway Poles, and Work Zone Traffic Control Devices
- Development of Non-proprietary Prefabricated Solutions for Concrete Barrier Systems for Accelerated Bridge Construction
- Telecommuting, Remote Work, and Hybrid Schedules: Managing the Shift to a Flexible Work Future
- **Upcoming Projects**
  - **NCHRP IDEA 20-30/IDEA 223** - Fatigue Crack Inspection Using Computer Vision and Augmented Reality
  - **NCHRP IDEA 20-30/IDEA 226** - A Smart IoT Proximity Alert System for Highway Work Zone Safety
  - **NCHRP IDEA 20-30/IDEA 239** - A Real-Time Ice Warning System Empowered by Dielectric Ice Sensors for Bridges
  - **NCHRP Synthesis 20-05/Topic 53-02** - Practices to Motivate Safe Behaviors with Highway Construction and Maintenance Crews
  - **NCHRP Synthesis 20-05/Topic 53-10** - Identifying the Current Practice of Contrast Pavement Markings by Departments of Transportation
  - **NCHRP Synthesis 20-05/Topic 53-16** - Critical Findings for Tunnel Functional Systems
  - **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 54-03** - DOT Practices on Road Safety Audits
  - **NCHRP Synthesis 20-05/Topic 54-08** - Practices for Integrating Performance-Based Plans with Long-Range Transportation Plans and Statewide Transportation Investment Programs
  - **NCHRP Synthesis 20-05/Topic 54-13** - Truck Emergency Escape Ramp Design and Operation
  - **Safety IDEA Project 43** - Augmenting Reality for Safer Inspections of Railroad Infrastructure and Operations
  - **TCRP B-46** - Tactile Wayfinding in Transportation Settings for Travelers Who Are Blind or Visually Impaired
  - **TCRP C-25** - Bus Operator Barrier Design
  - **TCRP D-19** - Detecting and mitigating low level DC fault currents in transit systems thus eliminating electrical fires in tunnels and rights-of-way
  - **TCRP E-13** - COVID-19 and Transit Air Quality Protections (Insight Event)
  - **TCRP F-30** - Guide for Protecting Transportation Employees and the Traveling Public from Airborne Diseases
  - **TCRP G-17** - Assessing Lifecycle and Human Costs of Bus Operator Workstation Design and Components
  - **TCRP J-05/Topic 18-02** - Codes of Conduct on Transit Vehicles and Property: Legal Issues
  - **TCRP Synthesis J-07/Topic SA-54** - Pedestrian and Bicycle Safety in Bus/BRT Corridors

  - **Consensus Study** - Transitioning Evidence-based Road Safety Research into Practice
    - **ACRP 02-103** - Scan of Technologies to Remove Residual PFAS from Airport Firefighting Equipment
    - **ACRP 03-69** - Identifying Congestion and Safety Risks Due to Heterogeneous Airport Curbside Activity and Remedial Solutions
    - **ACRP 04-31** - Providing Adequate and Balanced Trainer Facilities for Required and Recurrent Training for Airport Firefighters
    - **ACRP 04-34** - Best Practices for Building and Improving an Aircraft Rescue and Firefighting Program
    - **ACRP 06-08** - Human Factors in Airport Operations
    - **ACRP 07-20** - Unruly Airport Passengers
    - **ACRP 09-22** - Guidance for Small Airports on Safe Maintenance of Airfield Electrical Systems
    - **BTS CRTP B-18** - Objectives, Components, and Measures of Effective Traffic Safety Public Awareness and Education Efforts
    - **BTS CRTP B-24** - Multi-Solving Safety Approach - Stepping Away from Silos to Achieve a Safer System
    - **BTS CRTP B-25** - Economic Evaluations of Roadside Driving Under the Influence of Drugs (DUID) Programs
    - **BTS CRTP B-28** - Teen Driving Performance Associated with Distraction, ADHD, and Other Risk Factors
    - **NCHRP 03-143** - Warrants for a Pedestrian Traffic Control Signal and for Other Pedestrian Traffic Control Devices
    - **NCHRP 05-25** - Guide to the Contextual Application of Overhead Lighting on Highways
    - **NCHRP 05-26** - Development of an Updated Warranting System for Roadway Lighting
    - **NCHRP 05-27** - Practitioners’ Guide for Lighting at Innovative Intersections/Interchanges, including Roundabouts
    - **NCHRP 07-31** - State DOT Usage of Bicycle and Pedestrian Data: Practices, Sources, Needs, and Gaps
    - **NCHRP 07-33** - Evaluate the Benefits of Increasing Clear Zone at Higher Speed/Traffic Volume/ Crash Locations
    - **NCHRP 08-150** - Valuation of Transportation Equity in Active Transportation and Safety Investments
- Racial and Economic Disparities in Pedestrian and Bicyclist Safety
- Institutionalizing Safe Systems and Safety Culture in the Transportation Planning Process
- GFRP Barrier Testing Evaluation and Repair Strategies
- Development of Guidance for Non-Standard Roadside Hardware Installations
- Effects of Operating Speed and Posted Speed Limit in Conjunction with Roadway Geometric Design on Safety Performance for High-Speed Rural Highways and Freeways
- Safety Performance for Active Transportation Modes Using Exposure Models
- Developing Multidisciplinary Safety Strategies from Understanding Roadway Fatality Trends During the New Millennium
- Motorist Behavior and Safety Impacts on Bicyclists from Centerline and Shoulder Rumble Strips on High-Speed Two-Lane Highways
- Work Zone Intrusion Frequency and Characteristics
- Crash Modification Factors for Automated Traffic Signal Performance Measures
- Speed Management Solutions and Strategies to Improve Pedestrian and Bicyclist Safety on Arterial Roadways
- Enhancing Highway Safety Manual Guidance on Pedestrian and Bicyclist Countermeasures (CMF/SPF Development)
- Incorporating Safe System Approach into the NCHRP 500 Series
- Guide for Marked Crosswalk Design, Spacing, Placement, and Safety
- Practical Approaches to Quantifying Safe System Concepts
- Safety Performance Functions for Horizontal Curves
- Understanding the Impacts of Operational Changes on Safety Performance
- Conflict-Based Crash Prediction Method for Intersections
- Improved Method to Link Crash, Emergency Medical Service, and Trauma Registry Data to Expand Safety Data Analyses and Safety Program Development
- Using Advanced Technologies to Reduce Commercial Motor Vehicle Crashes in Work Zones
- Evaluation of Trespassing Detection and Warning Systems in the Vicinity of Highway-Rail Grade Crossings
- Harnessing the Safe System Approach to Meaningfully Improve Traffic Safety
- Safety of Vulnerable Road Users in a C/AV Future
- Countering Human Trafficking: A Toolkit for State DOTs
- Roadmap for the Transformation to Computer Simulation-Based Assessment of Bridge Railings
- Highway Safety Manual Development and Roadmap
- Guidebook for Addressing Encampments on State Transportation Rights-of-Way
- Development of Methods to Evaluate Side Impacts – Phase II
- Impact Performance Assessment of Barrier Performance at High Speeds
- Incorporating Driver Behavior and Characteristics into Safety Prediction Methods
- Crashworthiness of Roadside Hardware on Curbed Roadways
- Impact of Soil Stiffness on the Performance of Crash Testing and Roadside Safety
- Development of a Crashworthy Tangent End Treatment for Low Speed Curbed Roadways
- MASH Hardware Evaluation with New Proposed Test Vehicles
- Development of MASH Full-Scale Test Matrices for Additional Roadside Safety Devices
- National Guidance for Defining Acceptable Roadside Hardware Field Performance through In-Service Performance Evaluations (ISPEs)
- Safety Risks of Occupant Compartment Damage During Crashes
- Transportation Research Related to COVID-19
- Guide on Truck Rest and Service Areas for Critical Supply Chain Delivery
- Planning for 4.9 GHz Spectrum Changes — What Transportation Agencies Need to Know
- Support for AASHTO Committees and Councils
- Highway Safety Manual Development and Research Roadmap
- State Customization of Highway Safety Manual Methods
- Mitigation Strategies for Deterring Transit Assaults
- Insulated Joint Failure Investigation Mitigation
- Electric Bus Fire Prevention and Risk Management
- Analysis of Public Transportation Health Impacts and Benefits
- Electronic Surveillance of Railroad-Highway Crossings for Collision Avoidance, State of the Practice
Reports from the National Academies Press on Safety & Human Factors

- Transportation and Infrastructure » Safety and Human Factors
- Evaluation of the Transport Airplane Risk Assessment Methodology
- Rapid Expert Consultation on Critical Federal Capabilities Needed to Evaluate Real-World Safety, Effectiveness, and Equitable Distribution and Use of Medical Countermeasures During a Public Health Emergency
- Evaluation of the Transport Airplane Risk Assessment Methodology
- Investing in Resilient Infrastructure in the Gulf of Mexico
- Systematizing the One Health Approach in Preparedness and Response Efforts for Infectious Disease Outbreaks
- Public Health Lessons for Non-Vaccine Influenza Interventions: Looking Past COVID-19
- Policies and Practices to Minimize Police Use of Force Internationally
- Flying in the COVID-19 Era: Science-based Risk Assessments and Mitigation Strategies on the Ground and in the Air

Committees & Panels

Sign-up to be a committee "Friend"

TRB Standing Committees – Search by transportation mode and committee topic

- AC000 - Safety and Operations Group
- ACH00 - Section - Pedestrians, Bicycles, Human Factors
- ACH10 - Pedestrians
- ACH20 - Bicycle Transportation
- ACH30 - Human Factors of Vehicles
- ACH40 - Human Factors of Infrastructure Design and Operations
- ACH50 - Road User Measurement and Evaluation
- ACH60 - Vehicle User Education, Training, and Licensing
- ACP20 - Freeway Operations
- ACP30 - Vehicle-Highway Automation
- ACP35 - Managed Lanes
- ACP40 - Highway Capacity and Quality of Service
- ACP55 - Traffic Control Devices
- ACS00 - Section - Safety
- ACS10 - Transportation Safety Management Systems
- ACS20 - Safety Performance and Analysis
- ACS30 - Traffic Law Enforcement
- ACS40 - Committee on Occupant Protection
- ACS50 - Impairment in Transportation
- ACS60 - Truck and Bus Safety
- AEP20 - Transportation Needs of National Parks and Public Lands
- AJL10 - General Law
- AJL70 - Tort Liability and Risk Management
- AKC10 - Construction Management
- AKD10 - Performance Effects of Geometric Design
- AKD20 - Roadside Safety Design
- AKD30 - Low-Volume Roads
- AKD50 - Hydrology, Hydraulics, and Stormwater
- AKM20 - Binders for Flexible Pavement
- AKP50 - Pavement Surface Properties and Vehicle Interaction
- AKR40 - Winter Maintenance
- AKR50 - Road Weather
- AP015 - Transit Capacity and Quality of Service
- AP065 - Urban Rail Transit Systems
- AP075 - Light Rail Transit
- AP080 - Transit Safety and Security
- AR030 - Railroad Operating Technologies
- AR050 - Railroad Infrastructure Design and Maintenance
- AR070 - Rail Safety
- AR080 - Highway/Rail Grade Crossings
- **AV090** - Aviation Safety, Security and Emergency Management
- **AW040** - Marine Safety and Human Factors

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

**Policy Study**
- **B0175** - Emerging Trends in Aviation Safety
- **B1081** - Impacts of Alternative Compensation Methods on Commercial Motor Vehicle Driver Retention and Safety Performance

**CRP Panels**
- **D0362** - Guidelines for Accessible Pedestrian Signals (APS)
- **D0525** - Safety Performance of LED and Variable Lighting Systems
- **D0728** - Assessing the Impacts of Turn Lanes in Different Contexts and Modal Considerations to Increase Safety Performance
- **D1574** - Safety Evaluation of On-Street Bicycle Facility Design Features
- **D1582** - Effects of Operating Speed and Posted Speed Limit in Conjunction with Roadway Geometric Design on Safety Performance for High-Speed Rural Highways and Freeways
- **D1751** - Input to the Development of a National Highway Safety Strategy
- **D1762** - Improved Prediction Models for Crash Types and Crash Services
- **D1764** - Guidance for the Implementation of the Toward Zero Deaths National Strategy on Highway Safety
- **D1772** - Update of Crash Modification Factors for the Highway Safety Manual
- **D1776** - Understanding the Relationship between Operating, Posted, and Design Speeds and Safety in the Setting of Speed Limits
- **D1781** - Incorporating Road Safety Planning in the Highway Safety Manual
- **D1784** - Pedestrian and Bicycle Safety Performance Functions for the Highway Safety Manual
- **D1786** - Estimating Effectiveness of Safety Treatments in the Absence of Crash Data
- **D1787** - Development and Application of Crash Severity Models for the Highway Safety Manual
- **D1789** - Safety Performance of Part-Time Shoulder Use on Freeways
- **D1792** - Developing Safety Performance Functions for Rural Two-Lane Highways that Incorporate Speed Measures
- **D1793** - Updating Safety Performance Functions for Data-Driven Safety Analysis
- **D1796** - Traffic Safety Culture Research Roadmap
- **D1797** - Strategies to Improve Pedestrian Safety at Night
- **D1799** - Assessing Safety Effectiveness of Treatments and Technologies at Highway-Rail Grade Crossings
- **D2232** - Development of Methods to Evaluate Side Impacts with Roadside Safety Features
- **D2247** - Incorporating Driver Behavior Considerations in Safety Performance Estimates on Infrastructure Improvements
- **D2257** - Development of MASH Full-Scale Test Matrices for Additional Roadside Safety Devices
- **D03132** - Improving the Safety and Efficiency of Temporary Traffic Control
- **D03137** - Algorithms to Convert Basic Safety Messages into Traffic Measures
- **D03142** - Evaluating the Impacts of Real-Time Warnings and Variable Speed Limits on Safety and Travel Reliability during Weather Events
- **D08150** - Valuation of Transportation Equity in Active Transportation and Safety Investments
- **D08166** - Racial and Economic Disparities in Pedestrian and Bicyclist Safety
- **D08171** - Institutionalizing Safe Systems and Safety Culture in the Transportation Planning Process
- **D10114** - Developing Performance and Safety Specifications for Rejuvenating Seals
- **D17100** - Leveraging Big Data and Artificial Intelligence to Streamline Safety Data Analyses
- **D17102** - Safety Performance for Active Transportation Modes using Exposure Models
- **D17103** - Developing Multidisciplinary Safety Strategies from Understanding Roadway Fatality Trends During the New Millennium
- **D17106** - Motorist Behavior and Safety Impacts on Bicyclists from Centerline and Shoulder Rumble Strips on High-Speed Two-Lane Highways
- **D17110** - Template for gathering and disseminating telemetric data for safety and operational uses by state DOTs (Phase 1: state of the practice survey and synthesis)
- **D17111**: Speed Management Solutions and Strategies to Improve Pedestrian and Bicyclist Safety on Arterial Roadways
- **D17112**: Enhancing Highway Safety Manual Guidance on Pedestrian and Bicyclist Countermeasures (CMF/SPF Development)
- **D17115**: Pedestrian Crosswalk Spacing and Placement Guidance to Improve Safety
- **D17117**: Safety Performance Functions for Horizontal Curves
- **D17118**: Understanding the Impacts of Operational Changes on Safety Performance
- **D17120**: Improved Method to Link Crash, Emergency Medical Service, and Trauma Registry Data to Expand Safety Data Analyses and Safety Program Development
- **D20112**: Research Roadmap -- Public Health and Transportation
- **D2007358**: Reducing Risks to Worker Safety in Work Zones Due to Distracted Drivers
- **D2010225**: Readiness and Effectiveness of Freeway-Based Corridor V2X Applications for Improving Congestion and Safety
- **D2010233**: Safety of Vulnerable Road Users in a C/AV Future
- **D2012317**: Highway Safety Manual Development and Research Roadmap
- **DA0345**: Collecting and Sharing Airport Safety and Operational Data
- **DA0369**: Identifying Congestion and Safety Risks Due to Heterogeneous Airport Curbside Activity and Remedial Solutions
- **DA0803**: Construction Safety and Phasing Plans
- **DB006**: Guide for MPO and HSO Coordination on Behavioral Traffic Safety Countermeasures
- **DB010**: E-Scooter Safety: Issues and Solutions
- **DB011**: Ensuring Child Safety in New Travel Modes
- **DB012**: State Practices Promoting Older Driver Safety
- **DB015**: Highway Safety Strategies for Rural Communities
- **DB016**: Developing On-road Driver Skills Test and Scoring Guidance for Measuring and Predicting High Safety Risk Drivers
- **DB019**: Moped and Motor Scooter (50 cc or less) Safety: Issues and Countermeasures
- **DB021**: Equity in Pedestrian and Bicyclist Mobility, Safety, and Health: The Impact of Racial Bias
- **DB024**: Multi-Solving Safety Approach - Stepping Away from Silos to Achieve a Safer System
- **E1008**: Rail Safety Innovations Deserving Exploratory Analysis (IDEA) Program Committee
- **SN4908**: Synthesis of Pedestrian Injuries and Fatalities Relative to Traffic Speed
- **SN4809**: Integration of Roadway Safety Data from State and Local
- **SN5004**: Utility Pole Safety and Hazard Evaluation Approaches
- **SN5211**: Use of Smart Work Zone Technologies for Improving Work Zone Safety
- **SN5213**: Micromobility Policies, Permits, and Practices
- **SN5403**: DOT Practices on Road Safety Audits
- **SN5410**: State Customization of Highway Safety Manual Methods
- **STSA54**: Pedestrian and Bicycle Safety in Bus/BRT Corridors
- **TF25**: Improving the Health and Safety of the Transit Workforce with Corresponding Impacts on the Bottom Line

**Councils**
- **A001C**: Young Members Coordinating Council

**Recent and Upcoming Events**

**Upcoming TRB Conferences** – Use left hand menu to filter events

**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*

**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

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

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

**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

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