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 Connected & Automated Vehicles within the past two years.

**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](#)
- [Letter Report](#) - Research and Technology Coordinating Committee: September 29, 2022

**Recent Reports & Publications**

- [Airport Cooperative Research Program (ACRP)](#)
  - [WebResource 10](#) - Periodic Publication on Transformative Technologies at Airports

- [Behavioral Traffic Safety Cooperative Research Program (BTSCRP)](#)

- [National Cooperative Highway Research Program (NCHRP)](#)
  - [NCHRP 20-113F](#) - Topical White Papers for the TRB Forum on Automated Vehicles and Shared Mobility
  - [NCHRP 20-102(15)](#) - Impacts of Connected and Automated Vehicle Technologies on the Highway Infrastructure
  - [IDEA Report 214](#) - An Enhanced Network-Level Curve Safety Assessment and Monitoring Using Mobile Devices
  - [Report 1028](#) - State and Local Impacts of Automated Freight Transportation Systems
  - [Report 1009](#) - Shared Automated Vehicle Toolkit: Policies and Planning Considerations for Implementation
  - [Report 997](#) - Algorithms to Convert Basic Safety Messages into Traffic Measures
  - [Report 978](#) - Initiating the Systems Engineering Process for Rural Connected Vehicle Corridors, Volume 1: Research Overview
The National Academies of
SCIENCES • ENGINEERING • MEDICINE

TRANSPORTATION RESEARCH BOARD

- Web-Only Document 331 - Mobility on Demand and Automated Driving Systems: A Framework for Public-Sector Assessment
- Web-Only Document 310 - Evaluation and Synthesis of Connected Vehicle Communication Technologies

Transit Cooperative Research Program (TCRP)

- IDEA Report 98 - Safety Assessment of the Interaction Between the Autonomous Shuttle Bus and Vulnerable Road Users
- IDEA Report 95 - Connected and Automated Parking Feasibility – A Pilot Study
- Report 232 - Impacts of Vehicle Automation on the Public Transportation Workforce
- Report 220 - Low-Speed Automated Vehicles (LSAVs) in Public Transportation

Current & Upcoming Projects

Current Projects

- ACRP 10-32 - U.S. Airport Industry Adoption of Automated Ground Vehicle Systems
- NCHRP 08-145 - Utilizing Cooperative Automated Transportation (CAT) Data to Enhance Freeway Operational Strategies
- NCHRP 14-42 - Determining the Impact of Connected and Automated Vehicle Technology on State DOT Maintenance Programs
- NCHRP 17-101 - Applying the Safe System Approach to Transportation Planning, Design, and Operations in the United States
- NCHRP 20-24(128) - State-of-the-Art Review of Cooperative Automated Transportation (CAT) Systems
- NCHRP 20-102 - Impacts of Connected Vehicles and Automated Vehicles on State and Local Transportation Agencies–Task-Order Support
- NCHRP 20-102(11) - Mobility-on-Demand and Automated Driving Systems: A Framework for Public-Sector Assessment
- NCHRP 20-102(16) - Impacts of Connected, Automated Vehicle Technologies on Traffic Incident Management Response
- NCHRP 20-102(19) - Updated Research Roadmap for NCHRP 20-102, Impacts of Connected Vehicles and Automated Vehicles on State and Local Transportation Agencies
- NCHRP 20-102(27) - Realistic Timing Estimates for Automated Vehicle Implementation
- NCHRP 20-102(28) - Preparing Transportation Agencies for Connected and Automated Vehicles in Work Zones
- NCHRP 20-102(29) - Incorporating New Mobility Options into Travel Demand Modeling
- NCHRP 20-102(34) - Toolbox for Navigating the Land Use Impacts of the Automated Vehicle Ecosystem
- NCHRP 20-123(12) - System Mobility and Emerging Technologies (SMET): Strategic Planning Session and Research Roadmap Development
- NCHRP 23-15 - Guidance on Risks Related to Emerging and Disruptive Transportation Technologies
- NCHRP Synthesis 20-05/Topic 53-10 - Contrast Pavement Markings Practices

Upcoming Projects

- ACRP 10-33 - Incorporating Emerging Ground Access Technologies at Airports
- ACRP 11-02/Task 43 - Successful Community Inclusion in Advanced Air Mobility
- NCHRP 20-06/Topic 26-03 - Multistate Coordination and Harmonization for AV Legislation
- NCHRP 20-24(119) - Strategic Research in Support of the Connected and Automated Vehicle Executive Leadership Team
- 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(24) - Infrastructure Modifications to Improve the Operational Conditions of Automated Vehicles
- NCHRP 20-102(33) - A Guide to Enhancing the Safety of Vulnerable Road Users in a CAV Future
- NCHRP 23-28 - Planning for 4.9 GHz Spectrum Changes — What Transportation Agencies Need to Know

Reports from the National Academies Press on Connected & Automated Vehicles

- Navigating an Electric Vehicle Future
Advanced Battle Management System: Needs, Progress, Challenges, and Opportunities Facing the Department of the Air Force

U.S. Army Futures Command Research Program Realignment

Accelerating Decarbonization of the U.S. Energy System

Assessment of Technologies for Improving Light-Duty Vehicle Fuel Economy—2025-2035

Committees & Panels

Sign-up to be a committee “Friend”

TRB Standing Committees – Search by transportation mode and committee topic

- AED50 - Artificial Intelligence and Advanced Computing Applications
- ACH60 - Vehicle User Education, Training, and Licensing
- ACP15 - Intelligent Transportation Systems
- ACP25 - Traffic Signal Systems
- ACP30 - Vehicle-Highway Automation
- AIL40 - Emerging Technology Law
- ACH40 - Human Factors of Infrastructure Design and Operations

Task Forces - Search for task force under committee here

Panels

- D08120 - Initiating the Systems Engineering Process for Rural Connected Vehicle Corridors
- D08145 - Utilizing Cooperative Automated Transportation (CAT) Data to Enhance the Use of Freeway Operational Strategies
- D1442 - Determining State DOT Maintenance Program Implications of Connected and Automated Vehicles
- D1795 - Crash Modification Factors for Intelligent Transportation Systems Applications
- D20102 - Impacts of Connected and Automated Vehicles on State and Local Transportation Agencies
- D2010215 - Understanding the Impacts of the Physical Highway Infrastructure Caused by the Increased Prevalence of Advanced Vehicle Technologies
- D2010216 - Preparing TIM Responders for Connected Vehicles and Automated Vehicles
- D2010224 - Infrastructure Enablers for Connected and Automated Vehicles and Shared Mobility—Near-Term and Mid-Term
- D2020224 - Infrastructure Enablers for Connected and Automated Vehicles and Shared Mobility—Near-Term and Mid-Term
- D2020227 - Realistic Timing Estimates for Automated Vehicle Implementation
- D2310 - Evaluation and Synthesis of Connected Vehicle Communications Technologies
- D2315 - Prioritization of Risks Related to Connected and Automated Vehicles and Emerging Technologies
- E0005A - Preparing for Automated Vehicles and Shared Mobility
- STSA56 - Use of Automatic Vehicle Monitoring (AVM) and Vehicle Health Monitoring/Diagnostic Systems by Transit Agencies

Councils

- A001C – Young Members Coordinating Council

Recent and Upcoming Events

Upcoming Conferences - Use left hand menu to filter events

**National Conference on Transportation Asset Management**
*July 8-11, 2023*
*Boston, MA*

**TRB’s 2023 Automated Road Transportation Symposium**
*July 9-13, 2023*
*San Francisco, CA*

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

The TRB Library provides training on effective and efficient use of the following TRIS resources:

- **Transportation Research International Documentation (TRID)** – [trid.trb.org](http://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](http://trt.trb.org) - A tool to improve the indexing and retrieval of transportation information.
- **Research in Progress (RiP) Database** – [riptrb.org](http://riptrb.org) - Current or recently completed transportation research projects
- **Publications Index (PubsIndex) Database** – [pubsindex.trb.org](http://pubsindex.trb.org) - The papers, articles and reports published by the Transportation Research Board, Strategic Highway Research Programs or the Marine Board

**Contact or Questions:** TRBLibrary@nas.edu