

TRB TRANSPORTATION RESEARCH BOARD

TRB Snap Search: Pedestrian & Bicycle

TRB's involvement in research on Pedestrian & Bicycle from 2021-2023

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 Pedestrian & Bicycle within 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 246](#) - Airside Operations Safety: Understanding the Effects of Human Factors
- [Behavioral Traffic Safety Cooperative Research Program \(BTSCRP\)](#)
 - [Research Results Digest 1](#) - E-Scooter Safety: Issues and Solutions
 - [Web Only Document 6](#) - Communicating Safe Behavior Practices to Vulnerable Road Users
- [National Cooperative Highway Research Program \(NCHRP\)](#)
 - [IDEA Report 209](#) - An Automated System for Pedestrian Facility Data Collection from Aerial Images
 - [Report 1064](#) - Pedestrian and Bicycle Safety Performance Functions
 - [Report 1030](#) - Safety at Midblock Pedestrian Signals
 - [Report 992](#) - Guide to Pedestrian Analysis
 - [Report 969](#) - Traffic Signal Control Strategies for Pedestrians and Bicyclists
 - [Report 959](#) - Diverging Diamond Interchange Informational Guide, Second Edition
 - [Report 948](#) - Guide for Pedestrian and Bicyclist Safety at Alternative and Other Intersections and Interchanges
 - [Report 597](#) - Micromobility Policies, Permits, and Practices
 - [Synthesis 606](#) - Integrating Freight and Active Transportation into Policies, Programs, Plans, and Project Development
 - [Synthesis 604](#) - Practices for Adding Bicycle and Pedestrian Access on Existing Vehicle Bridges
 - [Synthesis 564](#) - Practices for Selecting Pedestrian and Bicycle Projects
 - [Web-Only Document 316](#) - Human Factors Guidelines for Road Systems 2021 Update, Volume 1: Updated and New Chapters
 - [Web-Only Document 312](#) - Enhancing Pedestrian Volume Estimation and Developing HCM Pedestrian Methodologies for Safe and Sustainable Communities
- [Transit Cooperative Research Program \(TCRP\)](#)

- [IDEA Report 98](#) - Safety Assessment of the Interaction Between the Autonomous Shuttle Bus and Vulnerable Road Users
- [Report 230](#) - Transit and Micromobility
- [Synthesis 169](#) - Pedestrian and Bicycle Safety in Bus Rapid Transit and High-Priority Bus Corridors
- [Synthesis 152](#) - Transit Agency Relationships and Initiatives to Improve Bus Stops and Pedestrian Access

Recently Completed Projects/Pending Publication

- [BTSCRP BTS-21](#) - Assessing and Mitigating Racial Disparities in the Enforcement of Pedestrian, Bicycle, and Micromobility Traffic-Related Laws
- [NCHRP 03-136](#) - Evaluating the Performance of Right-Turn-On-Red Operation at Signalized Intersections (with single and dual right-turn lanes)
- [NCHRP 15-74](#) - Safety Evaluation of On-Street Bicycle Facility Design Features
- [NCHRP 22-37](#) - Development of a MASH Barrier to Shield Pedestrians, Bicyclists, and Other Vulnerable Users from Motor Vehicles
- [Transit IDEA Final Report for Project 99](#) - Bike Love

Current & Upcoming Projects

- [Current Projects](#)
 - [NCHRP 08-149](#) - Estimating Benefits of Closing Gaps in Active Transportation Networks
 - [NCHRP 08-166](#) - Racial and Socioeconomic Inequities in Active Transportation Safety
 - [NCHRP 15-73](#) - Design Options to Reduce Turning Motor Vehicle–Bicycle Conflicts at Intersections
 - [NCHRP 17-56](#) - Development of Crash Modification Factors for Uncontrolled Pedestrian Crossing Treatments
 - [NCHRP 17-97](#) - Strategies to Improve Pedestrian Safety at Night
 - [NCHRP 17-102](#) - Safety Performance for Active Transportation Modes Using Exposure Models
 - [NCHRP 17-106](#) - Motorist Behavior and Safety Impacts on Bicyclists from Centerline and Shoulder Rumble Strips on High-Speed Two-Lane Highways
 - [NCHRP 19-23](#) - Revenue-Related Strategies for New Mobility Options
 - [NCHRP 20-44\(35\)](#) - Implementation for NCHRP Research Report 948—Guide for Pedestrian and Bicycle Safety at Alternative Intersections and Interchanges
 - [NCHRP 22-46](#) - Human Factors Guidelines for Road Systems, Proposed 4th Edition
 - [TCRP J-11/Task 44](#) - Improving Access to Public Transportation Services and Facilities with Transit-Oriented Complete Streets
- [Upcoming Projects](#)
 - [NCHRP 03-143](#) - Framework and Toolkit for Selecting Pedestrian Crossing Treatments
 - [NCHRP 07-28\(02\)](#) - Assessing the Multimodal Safety Performance of Turn Lanes
 - [NCHRP 07-31](#) - State DOT and Tribal Use of Active Transportation Data: Practices, Sources, Needs, and Gaps
 - [NCHRP 08-163](#) - Defining Appropriate Design and Accommodation Thresholds for Active Transportation in a Context-Driven Approach
 - [NCHRP 08-164](#) - Institutional Integration of Active Transportation
 - [NCHRP 08-165](#) - Use of Active Transportation Data into Transportation Decision-Making
 - [NCHRP 08-166](#) - Racial and Socioeconomic Inequities in Active Transportation Safety
 - [NCHRP 08-177](#) - Digitizing Bicycle and Pedestrian Treatments for Promoting Active Transportation Equity and Safety
 - [NCHRP 17-111](#) - Speed Management Solutions and Strategies to Improve Pedestrian and Bicyclist Safety on Arterials and Higher-Speed Roadways
 - [NCHRP 17-112](#) - Enhancing Crash Modification Factors and Safety Performance Functions for Pedestrian and Bicyclist Countermeasures
 - [NCHRP 17-115](#) - Guide for Marked Crosswalk Design, Spacing, Placement, and Safety
 - [TCRP B-51](#) - Floating Transit Stops and Passengers with Vision Disabilities
 - [TCRP B-53](#) - Addressing the Travel Needs of Women
 - [TCRP Synthesis J-07/Topic SB-41](#) - Microtransit Solutions in Rural Communities: On-Demand Alternatives to Dial-A-Ride Services and Unproductive Coverage Routes
 - [TCRP Synthesis J-07/Topic SB-42](#) - Operational and Service Factors When Integrating/Consolidating ADA Paratransit and Microtransit

Reports from the [National Academies Press](#) on Pedestrian & Bicycle

- [Transportation and Infrastructure » Pedestrians and Bicyclists](#)
- [Harnessing the Value of Co-Creating and Stewarding Places for Health, Equity, and Well-Being](#)
- [Dialogue About the Workforce for Population Health Improvement](#)
- [Global Roadmap for Healthy Longevity](#)
- [Traumatic Brain Injury: A Roadmap for Accelerating Progress](#)
- [Leveraging Health Communication, Data, and Innovative Approaches for Sustainable Systems-Wide Changes to Reduce the Prevalence of Obesity](#)
- [Harnessing the Value of Co-Creating and Stewarding Places for Health, Equity, and Well-Being](#)

Committees & Panels

[Sign-up to be a committee "Friend"](#)

TRB Standing Committees – Search by transportation mode and committee topic

- [ACH00](#) - Pedestrians, Bicycles, Human Factors
- [ACH10](#) - Pedestrians
- [ACH20](#) - Bicycle Transportation
- [ACP80](#) - Standing Committee on Traffic Simulation
- [AEP60](#) - Transportation Demand Management
- [AME40](#) - Transportation in the Developing Countries
- [AME50](#) - Accessible Transportation and Mobility
- [AME70](#) - Standing Committee on Transportation and Public Health
- [AP045](#) - Passenger Intermodal Facilities
- [AP050](#) - Bus Transit Systems

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

CRP Panels

- [D03143](#) - Warrants for a Pedestrian Traffic Control Signal and for Other Pedestrian Traffic Control Devices
- [D0735](#) - Improving Data on Fatalities and Injuries Involving Active Transportation, Non-Motorized
- [D0731](#) - State DOT and Tribal Use of Active Transportation Data: Practices, Sources, Needs and Gaps
- [D08166](#) - Racial and Economic Disparities in Pedestrian and Bicyclist Safety
- [D08149](#) - Estimating Benefits of Closing Gaps in Active Transportation Networks
- [D08150](#) - Valuation of Transportation Equity in Active Transportation and Safety Investments
- [D08163](#) - Defining Appropriate Design and Accommodation Thresholds for Active Transportation in a Context-Driven Approach
- [D08164](#) - Institutional Integration of Active Transportation
- [D08165](#) - Integrating Active Transportation Data into Transportation Decision-Making
- [D08177](#) - Digitizing Bicycle and Pedestrian Treatments for Promoting Active Transportation Equity and Safety
- [D1573](#) - Design Options to Reduce Turning Motor Vehicle Bicycle Conflicts at Intersections
- [D1574](#) - Safety Evaluation of On-Street Bicycle Facility Design Features
- [D17102](#) - Safety Performance for Active Transportation Modes using Exposure Models
- [D17106](#) - Motorist Behavior and Safety Impacts on Bicyclists from Centerline and Shoulder Rumble Strips on High-Speed Two-Lane Highways
- [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
- [D1797](#) - Strategies to Improve Pedestrian Safety at Night
- [D2237](#) - Development of a MASH Barrier to Shield Pedestrians, Bicyclists, and Other Vulnerable Users from Motor Vehicles
- [DB019](#) - Moped and Motor Scooter (50 cc or less) Safety: Issues and Countermeasures
- [DB021](#) - Assessing and Mitigating Racial Disparities in the Enforcement of Pedestrian, Bicycle, and Micromobility Traffic-Related Laws
- [STSA54](#) - Pedestrian and Bicycle Safety in Bus/BRT Corridors

Councils

- [A001C](#) – Young Member Coordinating Council
- [A0030C](#) – City Transportation Issues Coordinating Council

Recent and Upcoming Events

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

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

[TRB Webinar: Accessible Floating Bus Stops](#)

November 28, 2023

[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.

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

June 4-6, 2023

Indianapolis, IN

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 - 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

Contact or Questions: TRBLibrary@nas.edu