TRB Snap Search: Pedestrian & Bicycle

TRB’s involvement in research on Pedestrian & Bicycle from 2020-2021

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.

Subject Webpage

- Pedestrian & Bicyclist Research at TRB

Recent Reports & Publications

- National Cooperative Highway Research Program (NCHRP)
  - NCHRP 20-44(13) - Implementation of NCHRP Research Report 893: The Oregon DOT Statewide Pedestrian and Bicycle Plan
  - Report 941 - Bicyclist Facility Preferences and Effects on Increasing Bicycle Trips
  - Report 926 - Guidance to Improve Pedestrian and Bicyclist Safety at Intersections
  - Web-Only Document 273 - Road User Understanding of Bicycle Signal Faces on Traffic Signals

- Transit Cooperative Research Program (TCRP)
  - IDEA Report 87 - Development of pathNav: A Pedestrian Navigation Tool that Utilizes Smart Data for Improved Accessibility and Walkability

Current & Upcoming Projects

- Current Projects
  - NCHRP 03-78C - Training and Technology Transfer for Accessibility Guidelines for Roundabouts and Channelized Turn Lanes
  - NCHRP 03-133 - Traffic Signal Design and Operations Strategies for Non-Motorized Users
  - NCHRP 03-136 - Evaluating the Performance of Right-Turn-On-Red Operation at Signalized Intersections (with single and dual right-turn lanes)
  - NCHRP 07-25 - Guide for Pedestrian and Bicycle Safety at Alternative Intersections and Interchanges (A.I.I.)
  - NCHRP 15-73 - Design Options to Reduce Turning Motor Vehicle–Bicycle Conflicts at Intersections
  - NCHRP 15-74 - Safety Evaluation of On-Street Bikeway Designs
  - NCHRP 17-56 - Development of Crash Modification Factors for Uncontrolled Pedestrian Crossing Treatments
  - NCHRP 17-84 - Pedestrian and Bicycle Safety Performance Functions for the Highway Safety Manual
  - NCHRP 17-87 - Enhancing Pedestrian Volume Estimation and Developing HCM Pedestrian Methodologies for Safe and Sustainable Communities
  - NCHRP 22-37 - Development of a MASH Barrier to Shield Pedestrians, Bicyclists, and Other Vulnerable Users from Motor Vehicles
  - NCHRP IDEA 20-30/IDEA 209 - An Automated System for Pedestrian Facility Data Collection from Aerial Images
  - NCHRP IDEA 20-30/IDEA 217 - A Real-Time Proactive Intersection Safety Monitoring and Visualization System Based on Radar Sensor Data

Updated 12/07/2020
• Upcoming Projects
  o ACRP 06-08 - Human Factors in Airport Airside Operations
  o NCHRP 03-141 - Midblock Pedestrian Signal (MPS) Warrants and Operation
  o NCHRP 07-31 - State DOT Usage of Bicycle and Pedestrian Data: Practices, Sources, Needs, and Gaps
  o NCHRP 17-97 - Strategies to Improve Pedestrian Safety at Night
  o NCHRP 20-102[33] - Safety of Vulnerable Road Users in a C/AV Future
  o NCHRP Synthesis 20-05/Topic 52-15 - Measuring Investments and Benefits of Active Transportation Investments When Accomplished as Part of Other Roadway Projects

Reports from the National Academies Press on Pedestrian & Bicycle
  o Advancing Urban Sustainability in China and the United States
  o Health-Focused Public-Private Partnerships in the Urban Context
  o Advancing Effective Obesity Communications
  o Leading Health Indicators 2030 - Advancing Health, Equity, and Well-Being

Committees & Panels

Sign-up to be a committee "Friend"

TRB Standing Committees – Search by transportation mode and committee topic
  o A0030 - City Transportation Issues Coordinating Council
  o ABF00 - Pedestrians and Cycles
  o ACH10 - Pedestrians
  o ACH20 - Bicycle Transportation
  o AME50 - Accessible Transportation and Mobility

Task Forces - Search for task force under committee here

CRP Panels
  o Project Panels Related to Pedestrians and Bicyclists

Councils
  o A001C - Young Member Coordinating Council

Recent and Upcoming Events

Upcoming Conferences - Left hand menu “upcoming conferences by topic”
(Conferences cosponsored by TRB are denoted with an asterisk.)

  2021 NAEP Annual Conference and Training Symposium*
  May 16, 2021
  Phoenix, AZ

  Research Day at ITF Annual Summit - Transport Innovation for Sustainable Development
  May 25, 2021
  Leipzig, Germany

  TRB Conference on Planning Applications
  June 21, 2021
  Online

Webinars – View upcoming webinars, suggest a webinar or add registration information

Past Webinars
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
- Research Needs Statements (RNS) – rns.trb.org - Research needs as identified by TRB Technical Activities standing committees
- 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