TRB Snap Search: Roundabouts

TRB’s involvement in research on Roundabouts from 2016-2021

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 Roundabouts within the past five years.

Specialty Report


Recent Reports & Publications

- National Cooperative Highway Research Program (NCHRP)
  - Report 900 - Guide for the Analysis of Multimodal Corridor Access Management
  - Report 888 - Development of Roundabout Crash Prediction Models and Methods
  - Report 834 - Crossing Solutions at Roundabouts and Channelized Turn Lanes for Pedestrians with Vision Disabilities: A Guidebook
  - Synthesis 550 - Alternative Intersection Design and Selection
  - Synthesis 525 - Practices in One-Lane Traffic Control on a Two-Lane Rural Highway
  - Synthesis 488 - Roundabout Practices
  - Web-Only Document 222 - Guidelines for the Application of Crossing Solutions at Roundabouts and Channelized Turn Lanes for Pedestrians with Vision Disabilities

- Transportation Research Record (TRR)
  - Volume 2637 - Motorcycles, Trucks, Buses, and Roundabouts
  - Volume 2585 - Truck and Bus Safety; Roundabouts
  - Volume 2556 - Operational Effects of Geometrics and Access Management

Current & Upcoming Projects

- Current Projects
  - NCHRP 03-78C - Training and Technology Transfer for Accessibility Guidelines for Roundabouts and Channelized Turn Lanes
  - NCHRP 03-130 - Guide for Roundabouts

- Upcoming Projects

Reports from the National Academies Press on Roundabouts

Committees & Panels

Sign-up to be a committee "Friend"
**TRB Standing Committees** – Search by transportation mode and committee topic
  - **AKD80** - Roundabouts and other Intersection Design and Control Strategies

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

**CRP Panels**
  - **D03130** - Guide for Roundabouts
  - **D0378** - Crossing Treatments at Roundabouts and Channelized Turn Lanes for Pedestrians with Vision Disabilities

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

**Recent and Upcoming Events**

**Upcoming Conferences**- Left hand menu “upcoming conferences by topic”

*Conferences cosponsored by TRB are denoted with an asterisk.*

- **6th International Symposium on Highway Geometric Design**
  *June 23, 2021*
  *online*

- **Bridging Transportation Researchers Online Conference**
  *August 5, 2021*

- **Highway Capacity and Quality of Service**
  *August 24, 2021*

- **12th International Conference on Concrete Pavements**
  *September 27, 2021*
  *online*

- **International Conference on Roundabouts**
  *April 1, 2022*
  *Monterey, CA*

- **11th International Conference on the Bearing Capacity of Roads, Railways, and Airfields**
  *June 28, 2022*
  *Trondheim, Norway*

- **13th Access Management Conference**
  *July 1, 2022*
  *online*

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

**Past Webinars**
  - **Truck Assumptions for Roundabout Design** – April 8, 2021
  - **Roundabouts in the Manual on Uniform Traffic Control Devices** – April 13, 2020
  - **Turbo-charged – Turbo roundabout advancements** – January 29, 2020
  - **Metered Roundabouts – Peak Hour Flows and Part-Time Signalization** – November 21, 2019
  - **Roundabout Implementation Experience - Overcoming Challenges** – August 29, 2019
  - **Practical Design Principles for Affordable Roundabouts: Case Studies** – February 27, 2019
  - **Case Studies: The Diversity of Roundabouts** – May 21, 2018
  - **Intersection Control Evaluation for Roundabouts and Alternative Intersections** – March 20, 2018
  - **Right-Sizing Roundabout Intersections for State Highways** – November 7, 2017
  - **Analyzing Crashes on Multi-Lane Roundabouts** – October 2, 2017
  - **Modern Roundabouts: Downtown and Suburban Revitalization** – September 18, 2017
  - **Designing Multimodal Roundabouts: Making Them Safe and Efficient for All** – September 11, 2017
  - **Accessibility Guidance for Roundabouts and Channelized Turn Lanes** – July 26, 2017
  - **Reconstructing Old Traffic Circles into Modern Roundabouts** – April 19, 2017

**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** – [rip.trb.org](http://rip.trb.org) - Current or recently completed transportation research projects
- **Research Needs Statements (RNS)** – [rns.trb.org](http://rns.trb.org) - Research needs as identified by TRB Technical Activities standing committees
- **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