



TRB Snap Search: Work Zones

TRB's involvement in research on Work Zones from 2018-2021

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

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 Work Zones within the past three years.

Specialty Reports

- [Critical Issues in Transportation 2019](#)

Recent Reports & Publications

- [National Cooperative Highway Research Program \(NCHRP\)](#)
 - [Report 945](#) - Strategies for Work Zone Transportation Management Plans
 - [Report 940](#) - Solid-State Roadway Lighting Design Guide: Volume 1: Guidance
 - [Report 923](#) - Workforce Optimization Workbook for Transportation Construction Projects
 - [Report 869](#) - Estimating the Safety Effects of Work Zone Characteristics and Countermeasures: A Guidebook
 - [Synthesis 539](#) - Landscape Development and Management Practices for Urban Freeway Roadsides
 - [Synthesis 533](#) - Very Short Duration Work Zone Safety for Maintenance and Other Activities
 - [Synthesis 530](#) - Construction and Rehabilitation of Concrete Pavements Under Traffic
 - [Synthesis 525](#) - Practices in One-Lane Traffic Control on a Two-Lane Rural Highway
 - [Web-Only Document 276](#) - Evaluating Strategies for Work Zone Transportation Management Plans
 - [Web-Only Document 240](#) - Analysis of Work Zone Crash Characteristics and Countermeasures

Current & Upcoming Projects

- [Current Projects](#)
 - [NCHRP 03-126](#) - Transportation Operations Manual
 - [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 08-119](#) - Data Integration, Sharing, and Management for Transportation Planning and Traffic Operations
 - [NCHRP 10-109](#) - Modern Solutions to Safe and Efficient Work Zone Travel
 - [NCHRP 20-07/Task 358](#) - Reducing Risks to Worker Safety in Work Zones Due to Distracted Drivers
 - [NCHRP 20-102\(28\)](#) - Preparing Transportation Agencies for Connected and Automated Vehicles in Work Zones
 - [NCHRP 22-43](#) - Proposed AASHTO Guidelines for Implementation of MASH for Sign Supports, Breakaway Poles, and Work Zone Traffic Control Devices
 - [NCHRP IDEA 20-30/IDEA 206](#) - From Location Tracking to Continuous Interpretation: Rule-Based Automated Safety Work Zone Safety
 - [NCHRP IDEA 20-30/IDEA 226](#) - A Smart IoT Proximity Alert System for Highway Work Zone Safety
 - [NCHRP Synthesis 20-05/Topic 52-11](#) - Use of Smart Work Zone Technologies for Improving Work Zone Safety
 - [NCHRP Synthesis 20-05/Topic 51-03](#) - Temporary Pavement Markings Placement and Removal Practices in Work Zones
- [Upcoming Projects](#)
 - [NCHRP 17-107](#) - Work Zone Intrusion Frequency and Characteristics

Reports from the [National Academies Press](#) on Work Zones

- [Monitoring and Sampling Approaches to Assess Underground Coal Mine Dust Exposures](#)
- [A Smarter National Surveillance System for Occupational Safety and Health in the 21st Century](#)

Committees & Panels

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

TRB Standing Committees – Search by transportation mode and committee topic

- [ACP55](#) - Traffic Control Devices
- [AKC10](#) – Construction Management
- [AKR10](#) - Maintenance and Operations Management
- [AKR20](#) - Roadside Maintenance Operations
- [AKR40](#) - Winter Maintenance

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

CRP Panels

- [D03119](#) – Application of MASH Test Criteria to Breakaway Sign and Luminaire Supports and Crashworthy Work Zone Traffic Control Devices
- [D03134](#) – Determination of Encroachment Conditions in Work Zones
- [D10109](#) – Modern Solutions to Safe and Efficient Work Zone Travel
- [D17107](#) - Work Zone Intrusion Frequency and Characteristics
- [D2007358](#) – Reducing Risks to Worker Safety in Work Zones Due to Distracted Drivers
- [D2007416](#) - Alternative Technologies for Mitigating the Risk of Injuries and Deaths in the Work Zone
- [D2010228](#) - Best Practices in Work Zones for AVs and CVs
- [D2243](#) - Developing Testing Protocol for a Family of Devices - Signs, Breakaway Poles and Work Zone Devices
- [D2255](#) - Develop, Fabricate, and Test Surrogate Bogey Vehicles and Pendulum Masses with Noses for Evaluating MASH Breakaway Performance of Luminaire Poles, Signs, and Work Zone Devices
- [SN5103](#) - Temporary Pavement Markings Placement and Removal Practices in Work Zones
- [SN5211](#) - Use of Smart Work Zone Technologies for Improving Work Zone Safety

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.*)

[GeoChina 2021 International Conference*](#)

September 18-19, 2021

NanChang, Jiangxi, China

[International Conference of International Society for Intelligent Construction*](#)

September 6, 2022

Guimaraes, Portugal

[Webinars](#) – View upcoming webinars, suggest a webinar or add registration information

[Past Webinars](#)

- [Enhance Work Zone Safety with New Technologies](#) – July 9, 2020

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