

TRB TRANSPORTATION RESEARCH BOARD

TRB Snap Search: Performance Based Regulations

TRB's involvement in research on Performance Based Regulations from 2021-2022

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 on Performance Based Regulations within the past year.

Specialty Report

- [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 \(ACRP\)](#)
 - [Legal Research Digest 43](#) - Legal Considerations for Telecommunications at Airports
 - [Report 233](#) - Airport Biometrics: A Primer
- [National Cooperative Highway Research Program \(NCHRP\)](#)
 - [NCHRP 20-113F](#) - Topical White Papers for the TRB Forum on Automated Vehicles and Shared Mobility
 - [Report 985](#) - Mainstreaming System Resilience Concepts into Transportation Agencies: A Guide
 - [Synthesis 572](#) - Night and Weekend Movement of Oversize/Overweight Loads
 - [Web-Only Document 305](#) - Validation of a Performance-Based Mix Design Method for Porous Friction Courses
 - [Web-Only Document 292](#) - Roadside Hardware Replacement Analysis: User Guide
- [Special Reports / Consensus Studies](#)
 - [Report 337](#) - The Role of Transit, Shared Modes, and Public Policy in the New Mobility Landscape
- [Transportation Research E-Circulars](#)
 - [E-Circular 271](#) - Critical Issues in Aviation and the Environment 2021

Current & Upcoming Projects

- [Current Projects](#)
 - [ACRP 01-44](#) - Airport Insurance Requirements
 - [ACRP 09-21](#) - Asset Information Handover Guidelines: From Planning and Construction to O&M
 - [ACRP 02-90](#) - Development of Airport Construction Emission Inventory Tool (ACEIT) Version 2.0
 - [ACRP 02-93](#) - Guidebook for PFAS Management at Airports
 - [ACRP 02-95](#) - Understanding Airport Air Quality and Public Health Studies Related to Airports: An Update to ACRP Report 135
 - [ACRP 03-51](#) - Electric Aircraft on the Horizon -- An Airport Planning Perspective
 - [ACRP 10-32](#) - U.S. Airport Industry Adoption of Automated Ground Vehicle Systems

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- [ACRP 11-01/Topic 09-03](#) - Permitted Airport Involvement in Economic Development Efforts
- [ACRP 11-01/Topic 13-01](#) - Legal Considerations for Telecommunications at Airports
- [ACRP Synthesis 11-03/Topic S01-25](#) - Airport Parking Pricing Strategies
- [BTSCRPT BTS-10](#) - E-Scooter Safety: Issues and Solutions
- [NCHRP 03-135](#) - Wrong-Way Driving Solutions, Policy, and Guidance
- [NCHRP 07-29](#) - Development of the 8th Edition of AASHTO's A Policy on the Geometric Design of Highways and Streets (Green Book)
- [NCHRP 08-119](#) - Data Integration, Sharing, and Management for Transportation Planning and Traffic Operations
- [NCHRP 08-145](#) - Utilizing Cooperative Automated Transportation (CAT) Data to Enhance Freeway Operational Strategies
- [NCHRP 10-104](#) - Evaluating Use of Unconventional Fly Ash Sources in Highway Concrete
- [NCHRP 19-15](#) - Guidebook for Effective Policies and Practices for Managing Surface Transportation Debt
- [NCHRP 20-102\(11\)](#) - Mobility-on-Demand and Automated Driving Systems: A Framework for Public-Sector Assessment
- [NCHRP 20-102\(15\)](#) - Impacts of Connected and Automated Vehicle Technologies on the Highway Infrastructure
- [NCHRP 20-102\(19\)B](#) - Updated Research Roadmap for NCHRP 20-102, Impacts of Connected Vehicles and Automated Vehicles on State and Local Transportation Agencies
- [NCHRP 20-102\(26\)](#) - Dynamic Curbside Management: Keeping Pace with New and Emerging Mobility and Technology in the Public Right of Way
- [NCHRP 20-121](#) - State DOT Contributions to the Study, Investigation, and Interdiction of Human Trafficking
- [NCHRP 22-40](#) - Update to AASHTO M 180-18 and Associated Highway Guardrail Specifications
- [NCHRP 22-41](#) - Proposed Modification to AASHTO LRFD Bridge Design Specifications, Section 13—Railing
- [NCHRP 23-09](#) - Scoping Study to Develop the Basis for a Highway Standard to Conduct an All-Hazards Risk and Resilience Analysis
- [NCHRP 25-25B](#) - Research for the AASHTO Standing Committee on the Environment
- [NCHRP 25-55](#) - Assessment of Regulatory Air Pollution Dispersion Models to Quantify the Impacts of Transportation Sector Emissions
- [NCHRP IDEA 20-30/IDEA 233](#) - Development of an Innovative Bio-Mediated Self-Healing Concrete Technology
- [NCHRP Synthesis 20-05/Topic 52-13](#) - Micromobility Policies, Permits, and Practices
- [NCHRP Synthesis 20-05/Topic 53-01](#) - Practices to Promote Equity in Transportation Funding
- [TCRP A-45](#) - Measuring and Managing Fare Evasion
- [TCRP B-48](#) - The Provision of Alternative Services by Transit Agencies: The Intersection of Regulation and Program
- [TCRP H-59](#) - Racial Equity, Black America and Public Transportation
- [TCRP J-05/Topic 19-03](#) - Navigating the Complexities of Sensitive Security Information (SSI) and Protected Critical Infrastructure Information (PCII)
- [TCRP Synthesis J-07/Topic SB-34](#) - Coordination of Public Transit Services and Investments with Affordable Housing Policies
- [TCRP Synthesis J-07/Topic SH-21](#) - Transit Fare Capping: Balancing Revenue and Equity Impacts
- [Upcoming Projects](#)
 - [ACRP 02-101](#) - Airport Employee Onboarding Environmental Guidebook
 - [BTSCRPT BTS-19](#) - Moped and Motor Scooter (50 cc or less) Safety: Issues and Countermeasures
 - [NCHRP 07-32](#) - Future-Proofing Automatic Traffic Signal Performance Measurement Systems for Scalability, Transferability, and CAV Integration
 - [NCHRP 08-130](#) - Best Practices in Coordination of Public Transit and Ride Sharing
 - [NCHRP 08-136](#) - Guidance on Using Performance-Based Management Approaches for Maintenance
 - [NCHRP 08-140](#) - National Design and Interoperability Standards for Truck Parking Information Management Systems
 - [NCHRP 08-141](#) - Guidance for Local Truck Parking Regulations
 - [NCHRP 08-148](#) - Utility Abandonment, Out of Service Plant, and Decommissioning without Removal on Public Right of Way
 - [NCHRP 08-162](#) - Guidance for Implementing Equitable Transportation Decision-making
 - [NCHRP 09-69](#) - Verifying Quantities of Materials Used in Asphalt Mixtures at Production Facilities
 - [NCHRP 17-109](#) - Crash Modification Factors (CMFs) for Automated Traffic Signal Performance Measures (ATSPMs)
 - [NCHRP 19-19](#) - Sustaining a Zero Fare Public Transportation Program in a Post COVID-19 World
 - [NCHRP 20-06/Topic 26-03](#) - Multistate Coordination and Harmonization for AV Legislation
 - [NCHRP 20-44\(37\)](#) - Workshops on Performance Measures in Snow and Ice Control Operations

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- [NCHRP 22-32A](#) - Development of Methods to Evaluate Side Impacts for Next Edition MASH
- [NCHRP 22-53](#) - Development of Guidance for Enhanced Delineation of Barriers and other Roadside Safety Hardware, Slopes, and Hazards
- [NCHRP 23-17](#) - Assessing and Measuring the Business Value of Knowledge Management
- [NCHRP 23-23](#) - Data Governance Design and Implementation - Links Between Governance Approaches and Performance Effects in DOTs
- [NCHRP 23-25](#) - Interstate Information Sharing of State Truck Regulatory Requirements
- [NCHRP 23-26](#) - Measuring Impacts and Performance of State DOT Resilience Efforts
- [TCRP Synthesis J-07/Topic SB-36](#) - Dynamic Optimization on ADA Paratransit Service
- [TCRP Synthesis J-07/Topic SG-20](#) - Performance Metrics in Third Party Contracts for Bus Operations and Maintenance

Reports from the [National Academies Press](#) on Performance Based Regulations

- [Offshore Situation Room - Enhancing Resilience to Offshore Oil Disasters in the Gulf of Mexico](#)
- [Exploiting Advanced Manufacturing Capabilities: Topology Optimization in Design](#)
- [The Future of Electric Power in the United States](#)
- [Enhancing Federal Clean Energy Innovation](#)
- [Accelerating Decarbonization of the U.S. Energy System](#)
- [Assessment of Technologies for Improving Light-Duty Vehicle Fuel Economy—2025-2035](#)
- [Innovations in Pharmaceutical Manufacturing on the Horizon - Technical Challenges, Regulatory Issues, and Recommendations](#)

Committees & Panels

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

TRB Standing Committees – Search by transportation mode and committee topic

- [ABE00](#) - Transportation Policy
- [ACS20](#) - Safety Performance and Analysis
- [AEP10](#) - Transportation Planning Policy and Processes
- [APE15](#) - Transportation Planning Analysis and Application
- [AJE20](#) - Performance Management
- [AKC30](#) - Quality Assurance Management
- [AKD10](#) - Performance Effects of Geometric Design
- [SC005](#) - Planning and Policy Review

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

Project Panels

- [D08136](#) - Guidance on Using Performance-Based Management Approaches for Maintenance
- [SN5009](#) - Performance-Based Pavement Warranty Practices
- [SN5105](#) - Collaborative Practices for Performance-Based Asset Management Between State DOTs and MPOs

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.*)

[TRB Virtual Careers in Motion Networking Fair](#)

December 8, 2021

Washington, DC

[Accelerated Bridge Construction Conference*](#)

December 8, 2021

Online

[18th Biennial National Harbor Safety Committee Conference](#)

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June 13, 2022
Boston, MA

[13th Access Management Conference](#)

July 1, 2022
Online

[TRANSED: Mobility, Accessibility, and Demand Response Transportation Conference](#)

September 12-16, 2022
Online

[TRB Scenario Planning Conference](#)

September 19-21, 2022
Washington, DC

[National Aviation System Planning Symposium](#)

May 1, 2023
Irvine, 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 - 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