TRB Snap Search: Performance Based Regulations

TRB's involvement in research on Performance Based Regulations 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](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.

**Recent Reports & Publications**

- **Airport Cooperative Research Program (ACRP)**
  - [Report 227](#) - Evaluating and Implementing Airport Privatization and Public-Private Partnerships
  - [Report 224](#) - Understanding Impacts to Airports From Temporary Flight Restrictions
  - [Report 223](#) - Performance Measures for State Aviation Agencies
  - [Report 222](#) - Collecting and Sharing of Operations and Safety Data
  - [Report 212](#) - Airports and Unmanned Aircraft Systems, Volume 3: Potential Use of UAS by Airport Operator
  - [Report 212](#) - Airports and Unmanned Aircraft Systems, Volume 2: Incorporating UAS into Airport Infrastructure—Planning Guidebook
  - [Web-Only Document 45](#) - Airport Environmental Research Roadmap Narrative Report

- **National Cooperative Highway Research Program (NCHRP)**
  - [Report 949](#) - Proposed AASHTO Guidelines for Performance-Based Seismic Bridge Design
  - [Report 927](#) - Evaluating the Effects of Recycling Agents on Asphalt Mixtures with High RAS and RAP Binder Ratios
  - [Report 920](#) - Management and Use of Data for Transportation Performance Management: Guide for Practitioners
  - [Report 917](#) - Right-Sizing Transportation Investments: A Guidebook for Planning and Programming
  - [Synthesis 559](#) - Emerging Challenges to Priced Managed Lanes
  - [Synthesis 553](#) - Performance-Based Pavement Warranty Practices
  - [Synthesis 551](#) - Highway Hydraulic Engineering State of Practice
  - [Synthesis 549](#) - Incorporating Roadway Access Management into Local Ordinances

- **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
  - [E-Circular 263](#) - Conference on Performance and Data in Transportation Decision Making
Current & Upcoming Projects

- **Current Projects**
  - ACRP 02-90 - Development of Airport Construction Emission Inventory Tool (ACEIT) Version 2.0
  - ACRP 03-51 - Electric Aircraft on the Horizon -- An Airport Planning Perspective
  - 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 - Moped and Motor 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 10-104 - Evaluating Use of Unconventional Fly Ash Sources in Highway Concrete
  - NCHRP 20-07/Task 398 - Development of Performance-Based Geometric Design Content for the Next Edition of the AASHTO Green Book
  - 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 20-113F - Topical White Papers for the TRB Forum on Automated Vehicles and Shared Mobility
  - 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 25-258 - 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 Synthesis 20-05/Topic 51-12 - Night Movement of Oversize/Overweight Loads
  - 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 I-05/Topic 19-03 - Navigating the Complexities of Sensitive Security Information (SSI) and Protected Critical Infrastructure Information (PCI)
  - TCRP I-11/Task 35 - Resource Guide for Improving Diversity and Inclusion Programs for the Public Transportation Industry
  - TCRP Synthesis I-07/Topic SB-34 - Coordination of Public Transit Services and Investments with Affordable Housing Policies
  - TCRP Synthesis I-07/Topic SH-21 - Transit Fare Capping: Balancing Revenue and Equity Impacts

- **Upcoming Projects**
  - ACRP 01-44 - Airport Insurance Requirements
  - ACRP 09-21 - Asset Information Handover Guidelines: From Planning and Construction to O&M
  - 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 Synthesis 11-03/Topic S07-03 - Airfield Apron/Ramp Paint Markings
  - 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
Reports from the National Academies Press on Performance Based Regulations

- 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
- Regulating Medicines in a Globalized World
- Building Educational Equity Indicator Systems
- Communications, Cyber Resilience, and the Future of the U.S. Electric Power System
- Reducing Fuel Consumption and Greenhouse Gas Emissions of Medium- and Heavy-Duty Vehicles, Phase Two

Committees & Panels

Sign-up to be a committee "Friend"

TRB Standing Committees – Search by transportation mode and committee topic

- AB000 - Policy and Organization Group
- ABE00 - Transportation Policy
- ADA00 - Transportation System Policy, Planning and Process
- AJE20 - Performance Management
- AJL60 - Eminent Domain and Land Use
- APE10 - Transportation Planning Policy and Processes
- AT010 - Freight Transportation Economics and Regulation
- AV030 - Environmental Impacts of Aviation
- E1008 - Rail Safety IDEA Program Committee
- SC00S - Planning and Policy Review

Task Forces - Search for task force under committee here

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 Conference on Planning Applications**  
*June 21-24, 2021*  
online

**6th International Symposium on Highway Geometric Design***  
*June 23-26, 2021*  
online

**Joint Committee Meeting: TRB Roadside Safety Design and AASHTO Roadside**  
*July 12-21, 2021*  
online

**Conference on Advancing Transportation Equity**  
*September 8-10, 2021*  
online

**Annual Workshop on Transportation Law**  
*September 13-15, 2021*  
online

**National Aviation System Planning Symposium**  
*May 16-19, 2022*  
Irvine, California

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

**Past Webinars**

- **Visualizing Transportation System Performance** – May 17, 2021
- **Understanding Pavements – Long-Term Pavement Performance Program Updates** – February 4, 2021
- **Where Are We Now with Performance-Based Pavement Warranties?** – October 19, 2020
- **Enter the Portal–The Transportation Performance Management (TPM) Portal** – August 12, 2020
- **Measures of Performance for Operating a Reliable Transportation System** – July 30, 2020
- **How Performance and Data Informs Transportation Decision Making** – July 21, 2020
- **Performance-Based Management of Traffic Signals** – May 28, 2020
- **Guide for Transportation Performance Management and Data** – March 30, 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](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** – [riptrb.org](http://riptrb.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