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)](http://www.trb.org/InformationServices/Snap.aspx)
  - Report 224 - Understanding Impacts to Airports From Temporary Flight Restrictions
  - Report 222 - Collecting and Sharing of Operations and Safety Data
  - Web-Only Document 45 - Airport Environmental Research Roadmap Narrative Report

- [National Cooperative Highway Research Program (NCHRP)](http://www.trb.org/InformationServices/Snap.aspx)
  - 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 551 - Highway Hydraulic Engineering State of Practice
  - Synthesis 549 - Incorporating Roadway Access Management into Local Ordinances

**Current & Upcoming Projects**

- **Current Projects**
  - ACRP 03-46 - Implementing Airport Privatization: Guidance for Airport Decision Makers
  - 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
  - BTS/SCRP BTS-10 - E-Scooter Safety: Issues and Solutions
  - NCHRP 03-135 - Wrong-Way Driving Solutions, Policy, and Guidance
  - NCHRP 08-119 - Data Integration, Sharing, and Management for Transportation Planning and Traffic Operations
  - 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

Updated on 12/10/2020
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- 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 20-113F - 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 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 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 J-05/Topic 19-03 - Navigating the Complexities of Sensitive Security Information (SSI) and Protected Critical Infrastructure Information (PCI)
- TCRP J-11/Task 35 - Resource Guide for Improving Diversity and Inclusion Programs for the Public Transportation Industry
- 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 01-44 - Airport Insurance Requirements
  - ACRP 02-90 - Development of Airport Construction Emission Inventory Tool (ACEIT) Version 2.0
  - ACRP Synthesis 11-03/Topic S07-03 - Airfield Apron/Ramp Paint Markings
  - BTSCRP BTS-19 - Moped and Motor Scooter (50 cc or less) Safety: Issues and Countermeasures
  - NCHRP 08-140 - National Design and Interoperability Standards for Truck Parking Information Management Systems
  - NCHRP 08-141 - Guidance for Local Truck Parking Regulations
  - NCHRP 10-104 - Evaluating Use of Unconventional Fly Ash Sources in Highway Concrete
  - NCHRP 20-102(13) - Planning Data Needs and Collection Techniques for CV/AV Applications
  - NCHRP 20-102(14) - Data Management Strategies for CV/AV Applications for Operations
  - NCHRP 20-102(26) - Dynamic Curbside Management: Keeping Pace with New and Emerging Mobility and Technology in the Public Right of Way
  - NCHRP 23-09 - Scoping Study to Develop the Basis for a Highway Standard to Conduct an All-Hazards Risk and Resilience Analysis
  - TCRP H-59 - Racial Equity, Black America and Public Transportation

Reports from the National Academies Press on Performance Based Regulations

- 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
- **AIE20** - Performance Management
- **AIL60** - Eminent Domain and Land Use
- **APE10** - Transportation Planning Policy and Processes
- **AT010** - Freight Transportation Economics and Regulation
- **AV030** - Environmental Impacts of Aviation
The National Academies of  
SCiences • Engineering • Medicine

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- E1008 - Rail Safety IDEA Program Committee
- SC005 - 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.)

Second International Conference on 3D Printing and Transportation
April 21-23, 2021
Washington, DC

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

TRB Conference on Planning Applications
June 21, 2021
Online

Conference on Advancing Transportation Equity
September 7, 2021
Washington, D.C.

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

Past Webinars
- 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 - 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