TRB Snap Search: Performance Based Regulations

TRB’s involvement in research on Performance Based Regulations from 2019-2020

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)**
  - Impacts on Practice - Defining Leadership Roles at the Athens-Ben Epps Airport
  - Report 198 - Wetland Mitigation, Volume 2, A Guidebook for Airports
  - Synthesis 104 - Current Landscape of Unmanned Aircraft Systems at Airports

- **National Cooperative Freight Research Program (NCFRP)**
  - Report 40 - Impacts of Policy-Induced Freight Modal Shifts

- **National Cooperative Highway Research Program (NCHRP)**
  - NCHRP 20-111 - Successful Practices for State Transportation Research Office's Complying with 2 CFR 200
  - NCHRP 08-36/Task 146 - Economic Resilience and Long-Term Highway/Transportation Infrastructure Investment
  - Legal Research Digest 77 - Update of Selected Studies in Transportation Law, Volume 8, Section 1: Civil Rights and Transportation Agencies
  - 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
  - Report 913 - Compendium of Successful Practices, Strategies, and Resources in the U.S. DOT Disadvantaged Business Enterprise Program
  - Synthesis 549 - Incorporating Roadway Access Management into Local Ordinances
  - Synthesis 543 - Transportation Workforce Planning and Development Strategies
  - Synthesis 531 - Automated Pavement Condition Surveys

- **Special Reports**
  - Report 328 - Research to Support Evaluation of Truck Size and Weight Regulations

- **Transit Cooperative Research Program (TCRP)**
  - Synthesis 142 - Implementing the U.S. DOT Reasonable Modification Rule

Current & Upcoming Projects

- Current Projects

Updated on 06/22/2020
TRANSPORTATION RESEARCH BOARD

- 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 11-02/Task 32 - Airport Environmental Research Roadmap
- BTSCRPR 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
- NCHRP 20-102(12) - Business Models to Facilitate Deployment of CV Infrastructure to Support AV Operations
- NCHRP 20-102(15) - Impacts of Connected and Automated Vehicle Technologies on the Highway Infrastructure
- 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 H-54 - Guide to Equity Analysis in Regional Transportation Planning Processes
- TCRP I-05/Topic 19-03 - Navigating the Complexities of Sensitive Security Information (SSI) and Protected Critical Infrastructure Information (PCII)
- TCRP I-11/Task 35 - Resource Guide for Improving Diversity and Inclusion Programs for the Public Transportation Industry

- Upcoming Projects
  - ACRP 01-44 - Airport Insurance Requirements
  - ACRP 11-01/Topic 13-01 - Legal Considerations for Telecommunications at Airports
  - ACRP Synthesis 11-03/Topic S07-03 - Airfield Apron/Ramp Paint Markings
  - 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(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 in the Era of CAVs, SAVs, Scooters, Transportation Network Companies (TNCs), and Traditional Vehicles
  - NCHRP 20-113F - Topical White Papers for the TRB Forum on Automated Vehicles and Shared Mobility
  - NCHRP 23-09 - Scoping Study to Develop the Basis for a Highway Standard to Conduct an All-Hazards Risk and Resilience Analysis
  - TCRP B-48 - The Provision of Alternative Services by Transit Agencies: The Intersection of Regulation and Program
  - TCRP Synthesis I-07/Topic SB-34 - Coordination of Public Transit Services and Investments with Affordable Housing Policies

Reports from the National Academies Press on Performance Based Regulations

- Reducing Fuel Consumption and Greenhouse Gas Emissions of Medium- and Heavy-Duty Vehicles, Phase Two
- 21st Century Paradigm Change in Performance and Design Metrics
- Performance Management and Financing of Facility Engineering Programs at the Veterans Health Administration

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
- **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

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

**Past Webinars**
- **Performance-Based Management of Traffic Signals** – May 28, 2020
- **Guide for Transportation Performance Management and Data** – March 30, 2020
- **Driving Surface Aggregate – Improving Performance and Sustainability** – November 13, 2019
- **Social and Economic Sustainability Metrics for Public Transportation** – August 6, 2019
- **How Agency Culture Is Transforming with the Use of Performance Measures** – June 27, 2019
- **Guide to Snow and Ice Performance Measures: Key Findings & Recommendations** - May 15, 2019

**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:

- **TRID** – The world's largest and most comprehensive bibliographic source on all modes and disciplines of transportation - [trid.trb.org](http://trid.trb.org)

- **Publications Index (PubsIndex) Database** – The papers, articles and reports published by the Transportation Research Board, Highway Research Board, Strategic Highway Research Programs or the Marine Board - [pubsindex.trb.org](http://pubsindex.trb.org)

- **Research in Progress (RiP) Database** – Current or recently completed transportation research projects - [rip.trb.org](http://rip.trb.org)

- **Research Needs Statements (RNS)** – Research needs as identified by TRB Technical Activities standing committees - [rns.trb.org](http://rns.trb.org)