TRB Snap Search: Pavement Design

TRB's involvement in research on Pavement Design from 2021-2023

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 Pavement Design within the past two years.

Specialty Reports
- Critical Issues in Transportation for 2024 and Beyond
- 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)
  - Report 234 - Rapid Slab Repair and Replacement of Airfield Concrete Pavement
- Consensus Studies
  - Recycled Plastics in Infrastructure: Current Practices, Understanding, and Opportunities
- National Cooperative Highway Research Program (NCHRP)
  - IDEA 235 - High Bond Steel Fibers for Ultra High Performance Concrete (UHPC)
  - IDEA 233 - Development of an Innovative Bio-Mediated Self-Healing Concrete Technology
  - IDEA 232 - Measuring Concrete Permeability with CHIP
  - IDEA 229 - Laboratory Dielectric Measurement System (LDMS) for Asphalt Mixture Bulk Specific Gravity Determination
  - IDEA 224 - Development of an Automated and Rapid Conditioning and Testing Device for Cracking and Rutting
  - IDEA 219 - A Novel Durable, Healable, and Conveniently Removable Pavement Marking Material Suitable for Both Permanent and Temporary Marking Uses
  - Report 1070 - Evaluation of Bonded Concrete Overlays on Asphalt Pavements
  - Report 1057 - Enhancement of the Practice for Certification of Inertial Profiling Systems
  - Report 1019 - Quantifying the Effects of Implements of Husbandry on Pavements
  - Report 1007 - Evaluation of Bonded Concrete Overlays on Asphalt Pavements
  - Report 973 - Long-Term Aging of Asphalt Mixtures for Performance Testing and Prediction: Phase III Results
  - Report 967 - Asphalt Binder Aging Methods to Accurately Reflect Mixture Aging
  - Report 964 - Protocols for Network-Level Macrotexture Measurement
  - Synthesis 163 - Contrast Pavement Markings Practices
  - Synthesis 595 - Practices for Assessing and Mitigating the Moisture Susceptibility of Asphalt Pavements
  - Synthesis 574 - Temporary Pavement Markings Placement and Removal Practices in Work Zones
  - Web-Only Document 389 - Ruggedness of Laboratory Tests to Assess Cracking Resistance of Asphalt Mixtures
Recently Completed Reports/Pending Publication

- **Web-Only Document 370** - LTPP Data Analysis: Practical Tools and Procedures to Improve WIM Data Quality
- **Web-Only Document 338** - Quantifying the Effects of Implements of Husbandry on Pavements: Appendices
- **Web-Only Document 329** - Bonded Concrete Overlays on Asphalt Pavements: Resources for Evaluation
- **Web-Only Document 305** - Validation of a Performance-Based Mix Design Method for Porous Friction Courses

**Transportation Research Circulars**

- E-Circular 286 - Integrating the Flexible Pavement Life Cycle
- E-Circular 283 - 13th International Conference on Low-Volume Roads
- E-Circular 280 - Glossary of Terms for Balanced Design of Asphalt Mixtures

**Reports from the National Academies Press on Pavement Design**

- Transportation and Infrastructure » Pavements
- Equitable and Resilient Infrastructure Investments
- Investing in Resilient Infrastructure in the Gulf of Mexico
- Service Life Assessment and Predictive Modeling for an Aging Critical Infrastructure

**Committees & Panels**

**TRB Standing Committees** – Search by transportation mode and committee topic

- AKM20 - Binders for Flexible Pavement
- AKM30 - Asphalt Materials Selection and Mix Design
- AKM70 - Durability of Concrete
- AKP20 - Design and Rehabilitation of Concrete Pavements
- AKP30 - Design and Rehabilitation of Asphalt Pavements

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

**CRP Panels**
Recent and Upcoming Events

Upcoming TRB Conferences – Use left hand menu to filter events

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

International Conference on Road Weather and Winter Maintenance
May 9-10, 2023
Washington, D.C.

TRB International Conference on Low Volume Roads
July 23-26, 2023
Cedar Rapids, IA

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
- 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