TRB Snap Search: Pavement Design

TRB's involvement in research on Pavement Design 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 Pavement Design within the past year.

Subject Webpage

- Design Research at TRB

Recent Reports & Publications

- National Cooperative Highway Research Program (NCHRP)
  - Synthesis 546 - Use of Weigh-in-Motion Data for Pavement, Bridge, Weight Enforcement, and Freight Logistics Applications
  - Web-Only Document 288 - Standard Definitions for Common Types of Pavement Cracking

- Transportation Research Circulars
  - E-Circular 248 - 12th International Conference on Low-Volume Roads

Current & Upcoming Projects

- Current Projects
  - NCHRP 01-54 - Guidelines for Limiting Damage to Flexible and Composite Pavements Due to the Presence of Water
  - NCHRP 01-58 - Quantifying the Effects of Implements of Husbandry on Pavements
  - NCHRP 01-59 - Proposed Enhancements to Pavement ME Design: Improved Consideration of the Influence of Subgrade Soils Susceptible to Shrink/Swell and/or Frost Heave on Pavement Performance
  - NCHRP 01-60 - Measuring the Characteristics of Pavement Surface Images and Developing Standard Practices for Calibration, Certification, and Verification of Imaging Systems
  - NCHRP 01-61 - Evaluation of Bonded Concrete Overlays on Asphalt Pavements
  - NCHRP 20-50(20) - LTPP Data Analysis: Develop Tools to Improve Accuracy of Traffic Loading Data Collection
  - NCHRP 20-50(21) - Enhancements of Climatic Inputs and Related Models for Pavement ME Using LTPP Climate Tool (MERRA-2)
  - NCHRP Synthesis 20-05/Topic 52-10 - Designing and Accommodating Drainage in Pavement Design, Construction, and Maintenance

- Upcoming Projects
  - NCHRP 09-67 - New Materials & Technology Deployment in Asphalt Pavement Structural Design

Reports from the National Academies Press on Pavement Design

- Advancing Urban Sustainability in China and the United States
- Frontiers of Engineering - Reports on Leading-Edge Engineering from the 2019 Symposium
Committees & Panels

Sign-up to be a committee "Friend"

**TRB Standing Committees** - Search by transportation mode and committee topic
- AKC10 – Construction Management
- AKC20 – Project Delivery Methods
- AKC30 – Quality Assurance Management
- AKD20 – Roadside Safety Design
- AKD30 – Low-Volume Roads
- APK20 – Design and Rehabilitation of Concrete Pavements
- APK30 – Design and Rehabilitation of Asphalt Pavements

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

**CRP Panels**
- Project Panels Related to Design

**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.)

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

- **6th International Symposium on Highway Geometric Design***
  *June 23, 2021*
  *Amsterdam, the Netherlands*

- **10th International Conference on Structural Health Monitoring of Intelligent Infrastructure***
  *June 30, 2021*
  *Porto, Portugal*

- **International Symposium on Frontiers of Road and Airport Engineering***
  *July 12, 2021*
  *Delft, the Netherlands*

- **GeoChina 2021 International Conference***
  *July 19, 2021*
  *NanChang, Jiangxi, China*

- **12th International Conference on Concrete Pavements***
  *August 29, 2021*
  *Minneapolis, MN*

- **11th International Conference on the Bearing Capacity of Roads, Railways, and Airfields***
  *June 28, 2022*
  *Trondheim, Norway*

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

**Past Webinars**
- Design

**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)

Contact the Library at [TRBLibrary@nas.edu](mailto:TRBLibrary@nas.edu) or [l (202) 334-2989](tel:(202) 334-2989)