

TRB TRANSPORTATION RESEARCH BOARD

TRB Snap Search: Geotechnology

TRB's involvement in research on Geotechnology from 2021-2022

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 Geotechnology within the past year.

Subject Webpage

- [Geotechnology Research at TRB](#)

Specialty Report

- [Critical Issues in Transportation 2019](#)
- [COVID-19 Addendum to Critical Issues in Transportation](#)
- [Racial Equity Addendum to Critical Issues in Transportation](#)

Recent Reports & Publications

- [National Cooperative Highway Research Program \(NCHRP\)](#)
 - [Report 958](#) - Improved Test Methods and Practices for Characterizing Steel Corrosion Potential of Earthen Materials
- [Transportation Research Circulars](#)
 - [E-Circular 273](#) - TRB Centennial Circular: History and Future Perspectives on Foundation Design for Transportation Structures

Current & Upcoming Projects

- [Current Projects](#)
 - [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 12-114](#) - Guidance on Seismic Site Response Analysis with Pore Water Pressure Generation
 - [NCHRP Synthesis 20-05/Topic 52-18](#) - Design Practices for Rock Slopes and Rockfall Management
 - [NCHRP Synthesis 20-05/Topic 53-06](#) - Local Calibration of LRFD Geotechnical Resistance Factors
 - [NCHRP IDEA 20-30/IDEA 221](#) - Development of In-Situ Cyclic Borehole Shear Soil Test Device
- [Upcoming Projects](#)
 - [NCHRP 22-51](#) - Evaluation of MASH 2016 Soil Specifications and Procedures
 - [NCHRP Synthesis 20-05/Topic 53-18](#) - Moisture Measurement for Foundations and Slopes for Pavements and Structures

Reports from the [National Academies Press](#) on Geotechnology

- [Exploring a Dynamic Soil Information System](#)

- [Effectiveness and Efficiency of Defense Environmental Cleanup Activities of DOE's Office of Environmental Management](#)
- [Next Generation Earth Systems Science at the National Science Foundation](#)
- [Service Life Assessment and Predictive Modeling for an Aging Critical Infrastructure](#)

Committees & Panels

[Sign-up to be a committee "Friend"](#)

TRB Standing Committees – Search by transportation mode and committee topic

- [AKB70](#) – Culverts, Buried Bridges and Soil Structure Interaction
- [AKG00](#) – Geology and Geotechnical Engineering
- [AKG10](#) – Engineering Geology
- [AKG20](#) – Soil and Rock Properties and Site Characterization
- [AKG30](#) – Geo-Environmental and Climatic Impacts on Geomaterials
- [AKG40](#) – Mechanics and Drainage of Saturated and Unsaturated Geomaterials
- [AKG50](#) – Transportation Earthworks
- [AKG60](#) – Geotechnical Instrumentation and Modeling
- [AKG70](#) – Foundations of Bridges and Other Structures
- [AKG80](#) – Geosynthetics
- [AKG90](#) – Stabilization of Geomaterials and Recycled Materials
- [AKM80](#) – Aggregates

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

CRP Panels

- [Project Panels Related to Geotechnology](#)

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 Virtual Careers in Motion Networking Fair](#)

December 8, 2021

Washington, DC

[TRB Annual Meeting](#)

January 9, 2022

Washington, DC

[American Society of Civil Engineers \(ASCE\) Geo-Congress 2022*](#)

March 20, 2022

Charlotte, NC

[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

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