



TRANSPORTATION RESEARCH BOARD

TRB Snap Search: Hydraulics & Hydrology

TRB's involvement in research on Hydraulics & Hydrology from 2018-2019

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

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 Hydraulics & Hydrology within the past year.

Subject Webpage

- [Hydraulics & Hydrology Research at TRB](#)

Recent Reports & Publications

- [National Cooperative Highway Research Program \(NCHRP\)](#)
 - [IDEA 182](#) - Reducing Stormwater Runoff and Pollutant Loading with Biochar Addition to Highway Greenways
 - [Report 887](#) - Guidance for Underwater Installation of Filter Systems
 - [Report 870](#) - Field Performance of Corrugated Pipe Manufactured with Recycled Polyethylene Content
 - [Synthesis 519](#) - The Renewal of Stormwater Systems Using Trenchless Technologies
 - [Web-Only Document 254](#) - Underwater Installation of Filter Systems for Scour and Erosion Countermeasures, Volume 1: Research Report
 - [Web-Only Document 254](#) - Underwater Installation of Filter Systems for Scour and Erosion Countermeasures, Volume 2: Training Manual

Current & Upcoming Projects

- [Current Projects](#)
 - [NCHRP 14-39](#) - Using Vegetated Compost Blankets to Achieve Highway Runoff Volume and Pollutant Reduction
 - [NCHRP 15-61](#) - Applying Climate Change Information to Hydrologic and Hydraulic Design of Transportation Infrastructure
 - [NCHRP 24-47](#) - Revised Clear-Water and Live-Bed Contraction Scour Analysis
 - [NCHRP 20-07/Task 417](#) - Reorganization and Strategy to Update the AASHTO Drainage Manual
 - [NCHRP Synthesis 20-05/Topic 50-02](#) - Highway Hydraulic Engineering State of Practice
- [Upcoming Projects](#)
 - [NCHRP 24-48](#) - A Methodology for Determining Scour Depth around Structures in Gravel-bed Rivers
 - [NCHRP 25-60](#) - Watershed Approach to Mitigating Hydrologic Impacts of Highway Projects

Reports from the [National Academies Press](#) on Hydraulics & Hydrology

- [Future Water Priorities for the Nation](#)
- [Understanding the Long-Term Evolution of the Coupled Natural-Human Coastal System](#)
- [Review of the Edwards Aquifer Habitat Conservation Plan: Report 3](#)
- [Review of the New York City Department of Environmental Protection Operations Support Tool for Water Supply](#)

Committees & Panels

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

[TRB Standing Committees](#) – Search by transportation mode and committee topic

- [AFB60](#) – Hydrology and Hydraulics
- [AFB65](#) – Stormwater
- [AFE70](#) – Culverts and Hydraulic Structures
- [AFS60](#) – Subsurface Drainage

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

CRP Panels

- [Project Panels Related to Hydraulics & Hydrology](#)

Councils

- [A0040T](#) – Young Member Council

Recent and Upcoming Events

Upcoming Conferences- Left hand menu “upcoming conferences by topic”
(Conferences cosponsored by TRB are denoted with an asterisk.)

[Inaugural African Conference for Linear Infrastructure and Ecology \(ACLIE\)*](#)

March 10-15, 2019

Kruger National Park, South Africa

[2019 International Conference on Ecology and Transportation*](#)

September 22-26, 2019

Sacramento, California

[3rd International Conference on Information Technology in Geo-Engineering \(3rd ICITG 2019\)*](#)

September 29-October 2, 2019

Guimaraes, Portugal

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

Past Webinars

- [Hydraulics and Hydrology](#)

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

Practice Ready Papers (PRP) Database - Papers with information that is ready for immediate implementation or requires minimal additional research or implementation effort - prp.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

Research in Progress (RiP) Database – Current or recently completed transportation research projects - rip.trb.org

Research Needs Statements (RNS) – Research needs as identified by TRB Technical Activities standing committees - rns.trb.org

Contact the Library at TRBLibrary@nas.edu or 1 (202) 334-2989

