TRB Snap Search: Natural Resources

TRB’s involvement in research on Natural Resources 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

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 Natural Resources within the past year.

Specialty Report
- Critical Issues in Transportation 2019

Recent Reports & Publications
- National Cooperative Highway Research Program (NCHRP)
  - NCHRP 25-25/Task 119 - Enhancing the International Stormwater BMP Database to Serve as a Highway Specific BMP Database
  - NCHRP 25-25/Task 104 - Streamlining Carbon Monoxide Project-Level Air Quality Analyses with Programmatic Agreements
  - Report 942 - Evaluating the Suitability of Roadway Corridors for Use by Monarch Butterflies
  - Web-Only Document 280 - Valuing Wildlife Crossings and Enhancements for Mitigation Credits

Current & Upcoming Projects
- Current Projects
  - ACRP Synthesis 11-03/Topic S10-18 - Considerations for Establishing and Maintaining Successful Bee Programs on Airports
  - NCHRP 08-111 - Effective Decision-Making Methods for Freight-Efficient Land Use
  - NCHRP 08-124 - Quantifying the Impacts of Corridor Management
  - NCHRP 14-39 - Using Vegetated Compost Blankets to Achieve Highway Runoff Volume and Pollutant Reduction
  - NCHRP 14-41 - Permanent Vegetation Control Treatments for Roadsides
  - NCHRP 17-87 - Enhancing Pedestrian Volume Estimation and Developing HCM Pedestrian Methodologies for Safe and Sustainable Communities
  - NCHRP 20-59(55) - Transportation System Resilience: CEO Primer & Engagement
  - NCHRP 25-57 - Breaking Barriers: Alternative Approaches to Avoiding and Reducing Highway Traffic Noise Impacts
  - NCHRP 25-59 - Pollinator Habitat Conservation Along Roadways
  - NCHRP 25-61 - Development of On-Bridge Stormwater Treatment Practices
  - NCHRP IDEA 20-30/IDEA 211 - Reducing Stormwater Runoff and Pollutant Loading with Biochar Addition to Highway Greenways
  - TCRP I-11/Task 36 - An Update on Public Transportation's Impacts on Greenhouse Gas Emissions
  - TCRP I-11/Task 38 - An Analysis of Green Bond Financing in the Public Transportation Industry

- Upcoming Projects

Updated 12/08/2020
- ACRP 10-30 - Evaluating the Effectiveness of an Airport's Wildlife Hazard Management Program
- NCHRP 24-50 - Rewrite of the AASHTO Drainage Manual
- NCHRP 25-63 - Evaluating and Improving Current Practices for Temporarily Deterring Bat Use of Bridges and Similar Structures

Reports from the National Academies Press on Natural Resources
- Biological Collections - Ensuring Critical Research and Education for the 21st Century
- An Assessment of the Need for Native Seeds and the Capacity for Their Supply
- The Use of Dispersants in Marine Oil Spill Response
- Enhancing Federal Clean Energy Innovation
- Review of the New York City Watershed Protection Program
- Advancing Urban Sustainability in China and the United States
- Communications, Cyber Resilience, and the Future of the U.S. Electric Power System
- Effectiveness and Impacts of Dust Control Measures for Owens Lake
- A Vision for NSF Earth Sciences 2020-2030
- Safeguarding the Bioeconomy

Committees & Panels

Sign-up to be a committee "Friend"

TRB Standing Committees – Search by transportation mode and committee topic
- AEP70 - Environmental Analysis and Ecology
- AJL50 - Environmental Issues in Transportation Law
- AKD40 - Landscape and Environmental Design
- AKD50 - Hydrology, Hydraulics, and Stormwater
- AMS20 - Resource Conservation and Recovery
- AV030 - Environmental Issues in Aviation
- AW030 - Marine Environment

Task Forces - Search for task force under committee here

Project Panels
- D1440 - Transforming Roadside Management Technology and Practices for the Benefit of Safety, Ecology, and Economy
- D1441 - Permanent Vegetation Control Treatments for Roadsides

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

Research Day at ITF Annual Summit - Transport Innovation for Sustainable Development
May 25, 2021
Leipzig, Germany

2020 International Conference on Resource Sustainability: Sustainable Pavement Technologies*
May 28, 2021
Tirupati, India

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

Geo-Extreme Conference*
August 15, 2021
Savannah, GA

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

Past Webinars
- Planning an Effective Airport Deicing Runoff Management Program – December 8, 2020
- Protection Detection – Making Roads Safe for Drivers and Wildlife – November 18, 2020
- Wetland Mitigation at Airports – November 5, 2020
- Enhancing Monarch Butterfly Habitats Along Roadway Corridors – June 3, 2020
- Designing Landscapes to Enhance Roadside Water Management – May 18, 2020
- What Role Does Ecology Have in Sustainable Transportation? – April 30, 2020
- Greener in Two Ways – Innovative Sustainability Solutions for Airports – March 2, 2020

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