TRB Snap Search: Environmental Process

TRB's involvement in research on Environmental Process from 2018-2020

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 Environmental Process within the past two years.

Subject Webpage
- Environment Research at TRB

Recent Reports & Publications

- Airport Cooperative Research Program (ACRP)
  - Report 220 - Guidebook for Developing a Zero- or Low-Emissions Roadmap at Airports
  - Report 211 - Guidance for Using the Interactive Tool for Understanding NEPA at General Aviation Airports
  - Report 209 - Integrating Sustainability Planning and the Environmental Review Process
  - Report 205 - Revolving Funds for Sustainability Projects at Airports
  - Report 198 - Wetland Mitigation, Volume 2, A Guidebook for Airports
  - Report 185 - Airport Air Quality Management 101
  - Synthesis 89 - Clean Vehicles, Fuels, and Practices for Airport Private Ground Transportation Providers
  - Synthesis 88 - Airport Community, Water Quality Events, and the Aircraft Drinking Water Rule
  - Web-Only Document 36 - Enhanced AEDT Modeling of Aircraft Arrival and Departure Profiles, Volume 1: Guidance

- Conference Proceedings
  - Proceedings 54 - Decarbonizing Transport for a Sustainable Future: Mitigating Impacts of the Changing Climate

- 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 111 - Environmental Management System Perspectives For State DOTs
  - NCHRP 25-25/Task 110 - National Synthesis of Successful Strategies for Managing Post-World War II Resources in Historic Property Identification Surveys
  - NCHRP 25-25/Task 109 - Successful Practices for Environmental Commitments in Public/Private Partnerships (P-3) and Design-Build (D-B) Contracts
  - NCHRP 25-25/Task 104 - Streamlining Carbon Monoxide Project-Level Air Quality Analyses with Programmatic Agreements

Updated 06/04/2020
NCHRP 25-25/Task 103 - Research and Report on the Administration of Categorical Exclusions by State Departments of Transportation (DOTs) under NEPA
NCHRP 25-25/Task 102 - Artificial Bat Roost Mitigation Designs and Standardized Monitoring Criteria
NCHRP 25-53 - Approaches for Determining and Complying with TMDL Requirements Related to Roadway Stormwater Runoff
Report 932 - A Research Roadmap for Transportation and Public Health Management
Report 918 - Approaches for Determining and Complying with TMDL Requirements Related to Roadway Stormwater Runoff
Web-Only Document 275 - Potential Section 106 Exempted Categories or Program Comments for Federal Highway Administration Projects: National Streamlining Opportunities

Current & Upcoming Projects

Current Projects
- ACRP 02-81 - Commercial Space Operations Noise and Sonic Boom Measurements
- NCHRP 10-99 - Framework for Implementing Constructability Across the Entire Project Development Process: NEPA to Final Design
- NCHRP 14-39 - Using Vegetated Compost Blankets to Achieve Highway Runoff Volume and Pollutant Reduction
- NCHRP 25-25/Task 116 - Recommendations for Additional Section 106 Program Comments or Exemptions
- NCHRP 25-55 - Assessment of Regulatory Air Pollution Dispersion Models to Quantify the Impacts of Transportation Sector Emissions
- NCHRP IDEA 20-30/IDEA 211 - Reducing Stormwater Runoff and Pollutant Loading with Biochar Addition to Highway Greenways

Upcoming Projects
- NCHRP 25-61 - Effective On-Bridge Treatment of Stormwater
- NCHRP 25-64 - Resources for State DOTs to Consider Greenhouse Gas Emissions and Climate Change in NEPA Documents

Reports from the National Academies Press on Environmental Process
- Climate Change: Evidence and Causes: Update 2020
- Reducing Fuel Consumption and Greenhouse Gas Emissions of Medium- and Heavy-Duty Vehicles, Phase Two
- The Use of Dispersants in Marine Oil Spill Response
- Environmental Engineering for the 21st Century
- Independent Assessment of Science and Technology for the Department of Energy's Defense Environmental Cleanup Program
- Toward Understanding the Interplay of Environmental Stressors, Infectious Diseases, and Human Health

Committees & Panels

Sign-up to be a committee "Friend"

TRB Standing Committees – Search by transportation mode and committee topic
- AD000 – Planning and Environment Group
- ADC20 – Transportation and Air Quality
- ADC60 – Resource Conservation and Recovery
- ADD40 – Transportation and Sustainability
- AEP70 – Environmental Analysis and Ecology
- AKD40 – Landscape and Environmental Design
- AKD50 – Hydrology, Hydraulics, and Stormwater
- AIL50 – Environmental Issues in Transportation Law
- AME10 – Equity in Transportation

Task Forces - Search for task force under committee here

CRP Panels
- Project Panels Related to Environment

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.)

Bridging Transportation Researchers Online Conference*
August 12, 2020
Online

GeoMEast International Conference 2020: "Sustainable Civil Infrastructures"*
November 8, 2020
Cairo, Egypt

2020 International Conference on Resource Sustainability: Sustainable Pavement Technologies*
May 1, 2021
Tirupati, India

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

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

Past Webinars
- Environment

TRB’s Transportation Research Information Services (TRIS)

TRIS includes the TRB Library and the TRIS Databases (listed below) which are available for 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

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 (202) 334-2989