TRB Snap Search: Environmental Process

TRB’s involvement in research on Environmental Process from 2017-2019

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

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 Environmental Process within the past two years.

Subject Webpage

- Environment Research at TRB

Recent Reports & Publications

- Airport Cooperative Research Program (ACRP)
  - Report 198 - Wetland Mitigation, Volume 2, A Guidebook for Airports
  - Report 185 - Airport Air Quality Management 101
  - Report 174 - Green Stormwater Infrastructure - Volume 1: Primer
  - Report 174 - Green Stormwater Infrastructure - Volume 2: Guidebook
  - Report 169 - Clean Water Act Requirements for Airports
  - Report 166 - Interpreting the Results of Airport Water Monitoring
  - Report 72 - Guidebook for Selecting Methods to Monitor Airport and Aircraft Deicing Materials
  - 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
  - WebResource 3 - Airport Stormwater Management Library and Training Materials

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

- National Cooperative Highway Research Program (NCHRP)
  - IDEA Report 182 - Reducing Stormwater Runoff and Pollutant Loading with Biochar Addition to Highway Greenways
  - Legal Research Digest 75 - Legal Requirements for State Departments of Transportation Agency Participation in Conservation Plans
  - 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 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 918 - Approaches for Determining and Complying with TMDL Requirements Related to Roadway Stormwater Runoff
- Report 840 - A Watershed Approach to Mitigating Stormwater Impacts

Current & Upcoming Projects

- **Current Projects**
  - ACRP 02-69 - Integrating Airport Sustainability and the NEPA Process
  - ACRP 02-77 - Revolving Funds for Sustainability Projects at Airports
  - 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 104 - Streamlining Carbon Monoxide Project-Level Air Quality Analyses with Programmatic Agreements
  - NCHRP 25-25/Task 116 - Recommendations for Additional Section 106 Program Comments or Exemptions
  - NCHRP 25-25/Task 118 - Context-Sensitive Design Options for Workhorse Bridges in Rural Historic Districts
  - NCHRP 25-25/Task 119 - Enhancing the International Stormwater BMP Database to Serve as a Highway Specific BMP Database
  - 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

Reports from the National Academies Press on Environmental Process

- Future Water Priorities for the Nation
- Understanding the Long-Term Evolution of the Coupled Natural-Human Coastal System - The Future of the U.S. Gulf Coast
- Responding to the Threat of Sea Level Rise

Committees & Panels

**Sign-up to be a committee "Friend"**

TRB Standing Committees - Search by transportation mode and committee topic

- AD000 - Planning and Environment Group
- ADC10 - Environmental Analysis in Transportation
- ADC20 - Transportation and Air Quality
- ADC30 - Ecology and Transportation
- ADC60 - Resource Conservation and Recovery
- ADD40 - Transportation and Sustainability
- ADD50 - Environmental Justice in Transportation
- AFB40 - Landscape and Environmental Design
- AFB65 - Stormwater
- AL050 - Environmental Issues in Transportation Law

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

CRP Panels

- Project Panels Related to Environment

Councils

- A0040T – Young Member Council

Recent and Upcoming Events

**Upcoming Conferences** - Left hand menu “upcoming conferences by topic”
American Society of Civil Engineers (ASCE) 2019 Airfield and Highway Pavements Conference*
July 21, 2019
Chicago, Illinois

NOISE-CON 2019*
August 25, 2019
San Diego, California

2019 Texas Department of Transportation Annual Environmental Conference*
September 10, 2019
Austin, Texas

2019 International Conference on Ecology and Transportation*
September 22-26, 2019
Sacramento, California

A&WMA Conference on Freight and Environment: Ports of Entry*
October 23, 2019
Newark, New Jersey

GeoMEast International Conference 2019: "Sustainable Civil Infrastructures: Beyond the Horizon"*
November 10, 2019
Cairo, Egypt

Transportation Resilience 2019: 2nd International Conference on Transportation System Resilience to Natural Hazards and Extreme Weather
November 13, 2019
Washington, D.C.

Transportation, Environment, and Energy: An Integrated Research Symposium
July 12, 2020
Denver, Colorado

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

Past Webinars
  o 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