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 Environment & Sustainability within the past year.

**Subject Webpage**

- [Environment Research at TRB](#)

**Specialty Webpage**

- [Climate Change](#)

**Specialty Report**

- [Critical Issues in Transportation 2019](#)

**Recent Reports & Publications**

- [Airport Cooperative Research Program (ACRP)](#)
  - [Report 209](#) - Integrating Sustainability Planning and the Environmental Review Process
  - [Report 208](#) - Benefit–Cost Analyses Guidebook for Airport Stormwater
  - [Report 205](#) - Revolving Funds for Sustainability Projects at Airports
  - [Research Results Digest 28](#) - Thought Leader Forum Summary—Emerging Issues for ACRP
  - [Synthesis 100](#) - Airport Greenhouse Gas Reduction Efforts
  - [Web-Only Document 36](#) - Enhanced AEDT Modeling of Aircraft Arrival and Departure Profiles, Volume 1: Guidance

- [Conference Proceedings](#)
  - [Proceedings on the Web 23](#) - Economic and Social Sustainability at Airports

- [National Cooperative Highway Research Program (NCHRP)](#)
  - [NCHRP 25-53](#) - Approaches for Determining and Complying with TMDL Requirements Related to Roadway Stormwater Runoff
  - [NCHRP 25-49](#) - Development of a Highway Construction Noise Prediction Model
  - [NCHRP 25-25/Task 111](#) - Environmental Management System Perspectives For State DOTs
  - [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 108](#) - Creating Lookup Tables to Streamline the Determination of Emission Reductions for CMAQ Projects
- NCHRP 25-25 /Task 102 - Artificial Bat Roost Mitigation Designs and Standardized Monitoring Criteria
- NCHRP 24-43 - Relationship Between Erodibility and Properties of Soils
- NCHRP 10-91A - Sustainable Highway Construction Practices
- NCHRP 08-36 /Task 146 - Economic Resilience and Long-Term Highway/Transportation Infrastructure Investment
- Report 932 - A Research Roadmap for Transportation and Public Health Management
- Report 927 - Evaluating the Effects of Recycling Agents on Asphalt Mixtures with High RAS and RAP Binder
- Report 918 - Approaches for Determining and Complying with TMDL Requirements Related to Roadway Stormwater Runoff
- Report 909 - Guide to Truck Activity Data for Emissions Modeling

- NCHRP 24-43 - Relationship Between Erodibility and Properties of Soils
- NCHRP 10-91A - Sustainable Highway Construction Practices
- NCHRP 08-36 /Task 146 - Economic Resilience and Long-Term Highway/Transportation Infrastructure Investment
- Report 932 - A Research Roadmap for Transportation and Public Health Management
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- Report 918 - Approaches for Determining and Complying with TMDL Requirements Related to Roadway Stormwater Runoff
- Report 909 - Guide to Truck Activity Data for Emissions Modeling

- Transit Cooperative Research Program (TCRP)
  - Report 205 - Social and Economic Sustainability Performance Measures for Public Transportation

- Transportation Research Circulars
  - E-Circular 244 - Mobility on Demand: A Smart, Sustainable, and Equitable Future

Current & Upcoming Projects

- Current Projects
  - ACRP 02-81 - Commercial Space Operations Noise and Sonic Boom Measurements
  - ACRP 02-82 - Advancing Airport Transportation to Achieve Zero-Emissions Status
  - ACRP 02-83 - Measuring Quality of Life in Communities Surrounding Airports
  - ACRP 02-84 - High Resolution Spatiotemporal Population Distribution Data and Modeling for Aviation Noise Research Studies
  - ACRP 02-85 - Commercial Space Vehicle Emissions Modeling
  - ACRP 02-86 - Measuring the Impact of Temporary Flight Restrictions on Airports
  - ACRP 02-87 - Methods for Evaluating Airfield Pavement Deicer Contributions to Airport Stormwater Quality
  - ACRP 03-51 - Electric Aircraft on the Horizon - An Airport Planning Perspective
  - ACRP 11-02/Task 32 - Research Roadmap on Environmental Issues
  - ACRP Synthesis 11-03/Topic S02-21 - Practices in Airport Renewable Energy Projects
  - 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 15-68 - Effective Low-Noise Rumble Strips
  - NCHRP 17-88 - Roadside Encroachment Data for All Vehicle Types Across a Range of Traffic Volumes
  - NCHRP 17-87 - Enhancing Pedestrian Volume Estimation and Developing HCM Pedestrian Methodologies for Safe and Sustainable Communities
  - NCHRP 20-101 - Guidelines to Incorporate the Costs and Benefits of Adaptation Measures in Preparation for Extreme Weather Events and Climate Change
  - NCHRP 20-119 - Evaluating the Suitability of Roadway Corridors for Use by Monarch Butterflies
  - NCHRP 25-25 - Research for the AASHTO Standing Committee on the Environment
  - NCHRP 25-25B - Research for the AASHTO Standing Committee on the Environment
  - NCHRP 25-25 /Task 104 - Streamlining Carbon Monoxide Project-Level Air Quality Analyses with Programmatic Agreements
  - NCHRP 25-25 /Task 114 - Integrating Tribal Expertise into Processes to Identify, Evaluate, and Record Cultural Resources
  - NCHRP 25-25 /Task 115 - Estimates of Emissions Reductions from Future Fleet Changes for Use in Air Quality Models
  - NCHRP 25-25 /Task 117 - Valuing Wildlife Crossing Enhancements for Mitigation Credits
  - NCHRP 25-25 /Task 119 - Enhancing the International Stormwater BMP Database to Serve as a Highway Specific BMP Database
  - NCHRP 25-51 - Limitations of the Infiltration Approach to Stormwater Management in the Highway Environment
  - NCHRP 25-54 - Field Testing of BMPs Using Granulated Ferric Oxide Media to Remove Dissolved Metals in Roadway Stormwater Runoff
  - NCHRP 25-55 - Assessment of Regulatory Air Pollution Dispersion Models to Quantify the Impacts of Transportation Sector Emissions
  - NCHRP 25-56 - Methods for State DOTs to Reduce Greenhouse Gas Emissions from the Transportation Sector
  - NCHRP 25-60 - Watershed Approach to Mitigating Hydrologic Impacts of Transportation Projects
  - NCHRP IDEA 20-30 /IDEA 200 - Rapid Rehabilitation of Highway Slopes using Seeded Microbial Bio-Cement
  - NCHRP IDEA 20-30 /IDEA 204 - Biomimetic Antifreeze Polymers: A Novel Biodegradable Deicing Salt Alternative
o **NCHRP IDEA 20-30/IDEA 207** - MILDGLASS: GFRP Strand for Resilient Mild Pre-Stressed Concrete

o **NCHRP IDEA 20-30/IDEA 211** - Reducing Stormwater Runoff and Pollutant Loading with Biochar Addition to Highway Greenways

o **NCHRP Synthesis 20-05/Topic 51-02** - Practices for Bridge Approach Pavement Details and Bridge Approach Pavement Support Details for Durability, Ride and Water Management

o **NCHRP Synthesis 20-05/Topic 51-08** - Practice and Performance of Cold In-Place Recycling and Cold Central Plant Recycling

o **NCHRP Synthesis 20-05/Topic 51-18** - Practices for Project-Level Analyses for Air Quality

• **Upcoming Projects**

  o **ACRP 07-18** - Develop Airfield Design Guidelines for Large Unmanned Aerial Systems (UAS)
  o **ACRP Synthesis 11-03/Topic S10-18** - Improving Native and Honey Bee Foraging on Airports
  o **NCHRP 05-22A** - Gaps and Emerging Technologies in the Application of Solid-State Roadway Lighting
  o **NCHRP 20-06/Topic 25-07** - Review of Statutory and Case Law on Planning and Environmental Linkages
  o **NCHRP 20-44(23)** - Pilot Test of Climate Change Design Practices Guide for Hydrology and Hydraulics
  o **NCHRP 20-102(23)** - Potential Impacts of Highly Automated Vehicles and Shared Mobility on Traveler Behavior
  o **NCHRP 25-61** - Effective On-Bridge Treatment of Stormwater
  o **TCRP J-11/Task 36** - An Update on Public Transportation’s Impacts on Greenhouse Gas Emissions

**Reports from the National Academies Press on Environment & Sustainability**

  o Environmental Engineering for the 21st Century
  o Adapting to the 21st Century Innovation Environment
  o Climate Change and Ecosystems
  o Improving the EPA Multi-Sector General Permit for Industrial Stormwater Discharges

**Committees & Panels**

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

**TRB Standing Committees** – Search by transportation mode and committee topic

  o **AD000** – Planning and Environment Group
  o **ADC00** – Environment and Energy
  o **ADC10** – Environmental Analysis in Transportation
  o **ADC20** – Transportation and Air Quality
  o **ADC30** – Ecology and Transportation
  o **ADC40** – Transportation-Related Noise and Vibration
  o **ADC50** – Historic and Archeological Preservation in Transportation
  o **ADC60** – Resource Conservation and Recovery
  o **ADC70** – Transportation Energy
  o **ADC80** – Alternative Transportation Fuels and Technologies
  o **ADD40** – Transportation and Sustainability
  o **ADD50** – Environmental Justice in Transportation
  o **AFB40** – Landscape and Environmental Design
  o **AFB60** – Hydrology and Hydraulics
  o **AFB65** – Stormwater
  o **AL050** – Environmental Issues in Transportation Law
  o **AT040** – Transportation of Hazardous Materials
  o **AV030** – Environmental Impacts of Aviation
  o **AW030** – Marine Environment

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

  o **A0020T** – Climate Change and Energy
  o **ADD55T** – Arterials and Public Health

**CRP Panels**

  o Project Panels Related to Environment

**Councils**

  o **A0040T** – Young Member Council

**Policy Study**

  o **B0140** - Committee on Offshore Oil and Gas Safety Culture: A Framing Study
Recent and Upcoming Events

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

- **Transport Research Arena 2020***
  
  *April 27, 2020*
  
  Helsinki, Finland

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

- **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 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 1 (202) 334-2989