

The National Academies of  
SCIENCES • ENGINEERING • MEDICINE



TRANSPORTATION RESEARCH BOARD

## TRB Snap Search: Data

### TRB's involvement in research on Data from 2017-2018

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 and projects on Data within the past year.

### Subject Webpage

- [Data Research at TRB](#)

### Recent Reports & Publications

- [Airport Cooperative Research Program \(ACRP\)](#)
  - [Synthesis 80](#) - Estimating Truck Trip Generation for Airport Air Cargo Activity
- [National Cooperative Freight Research Program \(NCFRP\)](#)
  - [Report 37](#) - Using Commodity Flow Survey Microdata and Other Establishment Data to Estimate the Generation of Freight, Freight Trips, and Service Trips: Guidebook
- [National Cooperative Highway Research Program \(NCHRP\)](#)
  - [Report 854](#) - Guide for Identifying, Classifying, Evaluating, and Mitigating Truck Freight Bottlenecks
  - [Report 846](#) - Improving Findability and Relevance of Transportation Information: Volume I—A Guide for State Transportation Agencies, and Volume II—Background Research
  - [Synthesis 514](#) - Statewide and Megaregional Travel Forecasting Models: Freight and Passenger
  - [Synthesis 508](#) - Data Management and Governance Practices
  - [Synthesis 501](#) - Pavement Management Systems: Putting Data to Work
- [Transportation Research Circulars](#)
  - [E-Circular 223](#) - Innovations in Freight Data
  - [E-Circular 222](#) - Automated Vehicles Symposium 2016
  - [E-Circular 221](#) - SHRP 2 Safety Data Student Paper Competition, 2015–2016
- [Transportation Research Record: Journal of the Transportation Research Board](#)
  - [Journal articles](#) related to Data within the past year

### Current & Upcoming Projects

- [Current Projects](#)
  - [ACRP 01-29](#) - Design and Development of a State Aviation Information Database
  - [ACRP 03-36](#) - Using Disaggregated Socioeconomic Data in Air Passenger Demand Studies
  - [ACRP 03-45](#) - Collecting and Sharing of Operational and Safety Data
  - [ACRP 09-17](#) - Collecting, Applying, and Maintaining Pavement Condition Data at Airports
  - [NCFRP 49](#) - Understanding and Using New Data Sources to Address Urban and Metropolitan Freight Challenges
  - [NCHRP 01-57A](#) - Developing Standard Definitions for Comparable Pavement Cracking Data
  - [NCHRP 08-101](#) - Enhanced Truck Data Collection and Analysis for Emissions Modeling
  - [NCHRP 08-108](#) - Developing National Performance Management Data Strategies to Address Data Gaps, Standards, and Quality

- [NCHRP 08-36/Task 127](#) - Employment Data for Planning: A Resource Guide
- [NCHRP 08-36/Task 135](#) - Addressing Margins of Error in Small Areas of Data Delivered through the American Fact Finder or the Census Transportation Planning Products Program
- [NCHRP 08-95](#) - Cell Phone Location Data for Travel Behavior Analysis
- [NCHRP 10-100](#) - Procedures and Guidelines for Validating Contractor Test Data
- [NCHRP 12-104](#) - Guidelines to Improve the Quality of Element-Level Bridge Inspection Data
- [NCHRP 17-43](#) - Long-Term Roadside Crash Data Collection Program
- [NCHRP 17-75](#) - Leveraging Big Data to Improve Traffic Incident Management
- [NCHRP 20-06/Topic 22-04](#) - Summary of Federal Law Restricting Use of Highway Safety Data in Tort Litigation
- [NCHRP 20-110](#) - A Guide to Ensure Access to the Publications and Data of Federally Funded Transportation-Related Research
- [NCHRP 25-25/Task 9](#) - Quick Reference Guide for Traffic Modelers for Generating Traffic and Activity Data for Project-Level Air Quality Analyses
- [NCHRP Synthesis 20-05/Topic 48-09](#) - Integration of Roadway Safety Data from State and Local Sources
- [NCHRP Synthesis 20-05/Topic 48-14](#) - Analyzing Data for Measuring Transportation Performance by State DOTs and MPOs
- [NCHRP Synthesis 20-05/Topic 49-14](#) - Methods to Acquire Proprietary Data for Transportation Applications
- [TCRP G-16](#) - Development of Transactional Data Specifications for Demand-Responsive Transportation
- [TCRP J-05/Topic 16-02](#) - Legal Issues Concerning Transit Agency Use of Electronic Customer Data, Estimated Compensation
- [Upcoming Projects](#)
  - [ACRP 02-84](#) - High Resolution Spatiotemporal Population Distribution Data and Modeling for Aviation Noise Research Studies
  - [NCHRP 08-115](#) - Framework for Designing and Managing Data and Information Workflows for Transportation Assets
  - [NCHRP 08-116](#) - Framework for CV Pilot and Smart Cities Data Analytics for Policy Guidance
  - [NCHRP 17-86](#) - Estimating Effectiveness of Safety Treatments in the Absence of Crash Data
  - [NCHRP 17-88](#) - Roadside Encroachment Data for All Vehicle Types Across a Range of Traffic Volumes
  - [NCHRP 20-07/Task 354](#) - Work Zone Speed Limits and Crash Data Practices
  - [NCHRP 20-07/Task 368](#) - Development of a Roadmap for Use of SHRP2 Safety Data to Enhance Existing Publications
  - [NCHRP 20-102\(13\)](#) - Planning Data Needs and Collection Techniques for CV/AV Applications
  - [NCHRP 20-102\(14\)](#) - Data Management Strategies for CV/AV Applications for Operations
  - [NCHRP 20-50\(17\)](#) - LTPP Data Analysis: Consequences of Deferred Treatment of Pavement Preservation Treatment Placement on Asphalt Concrete, Portland Cement Concrete and Composite Pavement Structures
  - [NCHRP 20-50\(20\)](#) - LTPP Data Analysis: Develop Tools to Improve Accuracy of Traffic Loading Data Collection

#### Reports from the [National Academies Press](#) on Data

- [Refining the Concept of Scientific Inference When Working with Big Data: Proceedings of a Workshop](#)
- [Innovations in Federal Statistics: Combining Data Sources While Protecting Privacy](#)
- [Strengthening Data Science Methods for Department of Defense Personnel and Readiness Missions](#)
- [Using 21st Century Science to Improve Risk-Related Evaluations](#)

#### Committees & Panels

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

[Technical Activities Division Standing Committees](#) – Search by transportation mode and committee topic

- [ABG40](#) - Library and Information Science for Transportation
- [ABI00](#) - Data and Information Systems
- [ABJ10](#) - National Transportation Data Requirements and Programs
- [ABJ20](#) - Statewide Transportation Data and Information Systems
- [ABI30](#) - Urban Transportation Data and Information Systems
- [ABI35](#) - Highway Traffic Monitoring
- [ABI50](#) - Information Systems and Technology
- [ABI60](#) - Geographic Information Science and Applications
- [ABI65T](#) - Innovations in Freight Data Workshop
- [ABI90](#) - Freight Transportation Data
- [ADB40](#) - Transportation Demand Forecasting
- [AFB80](#) - Geospatial Data Acquisition Technologies
- [ANB20](#) - Safety Data, Analysis and Evaluation

[Task Forces](#) - Search for *task force* under committee here

- [A0030T](#) –Data for Decisions and Performance Measures

- [ABI32T](#) – Using Census for Transportation Conference
- [ABI45T](#) – Understanding New Directions for the National Household Travel Survey
- [ABI55T](#) – Data Privacy, Security and Protection Policy
- [ABI92T](#) - Understanding Big Data in Freight Transportation

#### CRP Panels

- [Project Panels Related to Data](#)

#### Councils

- [A0040T](#) – Young Member Council

### Recent and Upcoming Events

[Conferences \(co-sponsored by TRB\)](#) - Left hand menu “upcoming conferences by topic”

**[Freight Fluidity Performance Measurements Implementation](#)**

*April 3-4, 2018*  
**Washington, DC**

**[Transport Research Arena 2018\\*](#)**

*April 16-19, 2018*  
**Vienna, Austria**

**[National Household Travel Survey \(NHTS\) Data for Transportation Applications Workshop](#)**

*May 15-16, 2018*  
**Washington, DC**

**[I-TED 2018: International Transportation and Economic Development Conference](#)**

*June 6-8, 2018*  
**Washington, DC**

**[12th National Conference on Transportation Asset Management](#)**

*July 14-17, 2018*  
**San Diego, CA**

**[16th National Tools of the Trade Transportation Planning Conference](#)**

*August 22-24, 2018*  
**Kansas City, MO**

[Webinars](#) – View upcoming webinars, suggest a webinar or add registration information

### 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](http://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](http://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](http://pubsindex.trb.org)

**Research in Progress (RiP) Database** – Current or recently completed transportation research projects - [rip.trb.org](http://rip.trb.org)

**Research Needs Statements (RNS)** – Research needs as identified by TRB Technical Activities standing committees - [rns.trb.org](http://rns.trb.org)

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