



TRANSPORTATION RESEARCH BOARD

TRB Snap Search: Workforce

TRB's involvement in research on Workforce from 2019-2021

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

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 Workforce within the past two years.

Specialty Reports

- [Critical Issues in Transportation 2019](#)
- [COVID-19 Addendum to Critical Issues in Transportation](#)

Recent Reports & Publications

- [Airport Cooperative Research Program \(ACRP\)](#)
 - [Impacts on Practice](#) - Defining Leadership Roles at the Athens-Ben Epps Airport
 - [Research Results Digest 28](#) - Preemption of Worker-Retention and Labor-Peace Agreements at Airports
 - [Report 229](#) - Airport Collaborative Decision Making (ACDM) to Manage Adverse Conditions
 - [Report 217](#) - Guidance for Diversity in Airport Business Contracting and Workforce Programs
 - [Report 202](#) - Developing Innovative Strategies for Aviation Education and Participation
 - [Synthesis 113](#) - Airport Workforce Programs Supporting Employee Well-Being
 - [Synthesis 112](#) - Airport Operations Training at Small Airports
 - [Synthesis 103](#) - Promoting Aviation Career Education in High Schools and Community Colleges
 - [Web-Only Document 49](#) - Research Roadmap on Airport Administration & Human Resource Issues
 - [WebResource 8](#) - Airport Emergency Plan Development Tool
- [Conference Proceedings](#)
 - [Proceedings on the Web 25](#) - Proceedings of the 12th National Conference on Transportation Asset Management
- [IDEA Safety Program](#)
 - [Project 40](#) - Using Light to Reduce Fatigue and Improve Alertness in Railway Operations
- [National Cooperative Highway Research Program \(NCHRP\)](#)
 - [Legal Research Digest 77](#) - Update of Selected Studies in Transportation Law, Volume 8, Section 1: Civil Rights and Transportation Agencies
 - [Report 963](#) - A Pandemic Playbook for Transportation Agencies (TCRP Report 225)
 - [Report 923](#) - Workforce Optimization Workbook for Transportation Construction Projects
 - [Synthesis 543](#) - Transportation Workforce Planning and Development Strategies
 - [Synthesis 533](#) - Very Short Duration Work Zone Safety for Maintenance and Other Activities
- [Transit Cooperative Research Program \(TCRP\)](#)
 - [Report 225](#) - A Pandemic Playbook for Transportation Agencies (NCHRP Report 963)
 - [Report 218](#) - Characteristics and Elements of Non-Punitive Employee Safety Reporting Systems for Public Transportation
 - [Report 216](#) - Improving the Safety, Health, and Productivity of Transit Operators Through Adequate Restroom Access
 - [Synthesis 147](#) - Attracting, Retaining, and Advancing Women in Transit

- [Synthesis 143](#) - Managing the Transit Scheduling Workforce
- [Special Reports / Consensus Studies](#)
 - [Report 333](#) - Toward New Naval Platforms: A Strategic View of the Future of Naval Engineering
- [Transportation Research Circulars](#)
 - [E-C268](#) - Insights, Inclusion, and Impact: Framing the Future for Women in Transportation

Milestone Reports

- [NCRRP Report 2](#) - A Guide to Building and Retaining Workforce Capacity for the Railroad Industry
- [Special Report 275](#): The Transportation Workforce Challenge: Recruiting, Training, and Retaining Qualified Workers for Transportation and Transit Agencies

Current & Upcoming Projects

- [Current Projects](#)
 - [ACRP 06-06](#) - Cultivating Talent in the Airport Environment
 - [ACRP 06-07](#) - Building Academic Programs to Cultivate Future Airport Industry Professionals
 - [ACRP 11-05](#) - Tactical Initiatives from the ACRP Strategic Plan
 - [ACRP Synthesis 11-03/Topic S10-16](#) - Training Programs for Airport Operations Personnel
 - [BTSCRPT BTS-01](#) - Guidance for Employer-Based Behavioral Traffic Safety Programs for Drivers in the Workplace
 - [NCHRP 02-25](#) - Workforce 2030: Recruiting and Training the Next Generation Transportation Construction Workforce
 - [NCHRP 03-124](#) - Principles and Guidance for Presenting Drivers with Dynamic Information on Active Traffic Management
 - [NCHRP 08-125](#) - A Comprehensive Study of Future Competencies for Transportation Planners
 - [NCHRP 17-83](#) - Briefings and Training Materials for Implementation of the Highway Safety Manual, Second Edition
 - [NCHRP 20-44\(30\)](#) - Measuring the Effectiveness of Public Involvement at Five State Departments of Transportation: Implementation of the NCHRP Research Report 905 Toolkit
 - [NCHRP 20-65/Task 80](#) - Capacity Building Options for DOT Transit Staff
 - [NCHRP 20-105B](#) - Development of Course Outlines for Ahead of the Curve Training Program: Mastering the Management of Transportation Research
 - [NCHRP 20-116](#) - Emergency Management in State Transportation Agencies
 - [NCHRP 20-121](#) - State DOT Contributions to the Study, Investigation, and Interdiction of Human Trafficking
 - [NCHRP 23-05](#) - Guidance for Training and Certification of Construction Inspectors for Transportation Infrastructure
 - [NCHRP Synthesis 20-05/Topic 52-09](#) - Use of Safety Management Systems in Managing Highway Maintenance Worker Safety
 - [NCHRP Synthesis 20-05/Topic 52-11](#) - Use of Smart Work Zone Technologies for Improving Work Zone Safety
 - [Safety IDEA Project 43](#) - Augmenting Reality for Safer Inspections of Railroad Infrastructure and Operations
 - [TCRP F-26](#) - Improving the Health and Safety of Transit Workers with Corresponding Impacts on the Bottom Line
 - [TCRP F-28](#) - Practitioner's Guide to Bus Operator Workforce Management
 - [TCRP G-17](#) - Assessing Lifecycle and Human Costs of Bus Operator Workstation Design and Components
 - [TCRP J-11/Task 34](#) - The Effects of Vehicle Automation on the Public Transportation Workforce
 - [TCRP J-11/Task 35](#) - Resource Guide for Improving Diversity and Inclusion Programs for the Public Transportation Industry
 - [Transit IDEA J-04/IDEA 88](#) - Evaluation of an Automatic, Individual, Computer-Based Operator Education and Training Program
- [Upcoming Projects](#)
 - [ACRP 02-94](#) - Update ACRP WebResource 4: Airport Air Quality Resource Library
 - [ACRP 04-29](#) - Transportation Emergency Response Application (TERA): Migration Options Beyond 2020
 - [ACRP 06-08](#) - Human Factors in Airport Operations
 - [NCHRP 20-24\(132\)](#) - Understanding Knowledge Management in Context with Other Organizational Practices
 - [NCHRP 20-102\(20\)](#) - Workforce Capability Strategies for State and Local Agencies
 - [TCRP A-36A](#) - Transportation Emergency Response Application (TERA): Migration Options Beyond 2020
 - [TCRP C-25](#) - Bus Operator Barrier Design
 - [TCRP F-29](#) - Mental Health, Wellness, and Resilience for Transit System Workers
 - [TCRP F-30](#) - Ensuring the Health and Safety of Transportation System Operators and Others in the Transportation Workforce

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

- [Impact of COVID-19 on the Careers of Women in Academic Sciences, Engineering, and Medicine](#)
- [Measuring Alternative Work Arrangements for Research and Policy](#)
- [The Inclusion of Women in STEM in Kuwait and the United States](#)
- [Building Capacity for Teaching Engineering in K-12 Education](#)
- [Promising Practices for Addressing the Underrepresentation of Women in Science, Engineering, and Medicine](#)
- [Strengthening U.S. Air Force Human Capital Management](#)
- [Are Generational Categories Meaningful Distinctions for Workforce Management?](#)
- [Building the Workforce We Need to Care for People with Serious Illness](#)
- [Changing Expectations for the K-12 Teacher Workforce - Policies, Preservice Education, Professional Development, and the Workplace](#)
- [Promising Practices for Addressing the Underrepresentation of Women in Science, Engineering, and Medicine](#)
- [Dialogue About the Workforce for Population Health Improvement](#)
- [Minority Serving Institutions - America's Underutilized Resource for Strengthening the STEM Workforce](#)

Committees & Panels

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

TRB Standing Committees – Search by transportation mode and committee topic

- [ABC00](#) – Management and Leadership
- [ABC30](#) – Performance Measurement
- [AIE15](#) – Workforce Development and Organizational Excellence
- [AKR10](#) – Maintenance and Operations Management
- [AP010](#) – Transit Management and Performance

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

CRP Panels

- [DA0604](#) – Identifying and Evaluating Airport Workforce Requirements
- [DA0605](#) – Guidance for Diversity in Airport Businesses Contracting and Workforce Diversity Programs
- [SN4910](#) – Synthesis of Transportation Workforce Development Strategies for Young Adults, Second Career Professionals, Veterans, and Encore Careerists
- [STSF20](#) – Synthesis of Managing the Transit Scheduling Workforce
- [TF23](#) – Knowledge Management Resource to Support Strategic Workforce Development for Transit Agencies
- [TF24](#) – Frontline Workforce Training: Moving from Past Practice to Best Practice
- [TF25](#) – Improving the Health and Safety of the Transit Workforce

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 16-20, 2021

Online

[TRB Conference on Planning Applications](#)

June 21-25, 2021

Online

[Conference on Advancing Transportation Equity](#)

September 8-10, 2021

Washington, D.C.

[24th National Conference on Rural Public and Intercity Bus Transportation](#)

October 24-27, 2021

Charleston, SC

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

[Past Webinars](#)

- [Diversity in Airport Business Contracting and Workforce Programs](#) – March 10, 2021

- [Keep on Truckin'--Using Simulators for CDL Testing During COVID-19](#) – November 6, 2020
- [Employee Safety Reporting in Public Transportation](#) – November 2, 2020
- [On the Road Again--Engaging Students in Road Engineering Careers](#) – September 16, 2020
- [How Women Fare in the Transit Industry](#) – September 2, 2020
- [Reach for the Sky--Attracting New Aviation Career Professionals](#) – August 6, 2020
- [Enhance Work Zone Safety with New Technologies](#) – July 9, 2020
- [Construction Project Staffing Strategies for Transportation Agencies](#) – June 23, 2020
- [Attracting the Future Construction Workforce – Case Studies](#) – May 12, 2020
- [Let's work together: Airport emergency working groups](#) – February 19, 2020
- [Design Thinking Potential for State Departments of Transportation](#) – September 12, 2019

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