



TRANSPORTATION RESEARCH BOARD

TRB Snap Search: Workforce

TRB's involvement in research on Workforce 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

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 Report

- [Critical Issues in Transportation 2018](#)

Recent Reports & Publications

- [Airport Cooperative Research Program \(ACRP\)](#)
 - [Impacts on Practice](#) - ACRP and Higher Education: Building the Next Generation of Airport Professionals
 - [Legal Research Digest 31](#) - Preemption of Worker-Retention and Labor-Peace Agreements at Airports
 - [Report 186](#) - Guidebook on Building Airport Workforce Capacity
- [National Cooperative Highway Research Program \(NCHRP\)](#)
 - [Paths to Practice](#) - Webinars Bring Research Home for States
 - [Synthesis 503](#) - Leveraging Technology for Transportation Agency Workforce Development and Training
 - [Web-Only Document 238](#) - Developing the Guide to Retaining Essential Consultant-Developed Knowledge Within DOTs
- [Transit Cooperative Research Program \(TCRP\)](#)
 - [IDEA Report 80](#) - Enhancing Safety and Security of Transit Systems using Computer Vision
 - [Report 199](#) - Transit Technical Training, Volume 1: Guide to Applying Best Practices and Sharing Resources
 - [Report 199](#) - Transit Technical Training, Volume 2: Guide to Overcoming Barriers to Implementing Best and Innovative Training
 - [Report 194](#) - Knowledge Management Resource to Support Strategic Workforce Development for Transit Agencies
 - [Report 193](#) - Tools and Strategies for Eliminating Assaults Against Transit Operators, Volume 1: Research Overview
 - [Report 193](#) - Tools and Strategies for Eliminating Assaults Against Transit Operators, Volume 2: User Guide
 - [Synthesis 126](#) - Successful Practices and Training Initiatives to Reduce Accidents and Incidents at Transit Agencies

Milestone Reports

- [NCRRP Report 2](#) - A Guide to Building and Retaining Workforce Capacity for the Railroad Industry

Current & Upcoming Projects

- [Current Projects](#)
 - [ACRP 01-34](#) - Developing Innovative Strategies for Aviation Education and Participation
 - [ACRP 04-23](#) - Social Media Guidebook for Emergency Management
 - [ACRP Synthesis 11-03/Topic S04-19](#) - Incorporating ADA and Functional Needs in Emergency Exercises
 - [ACRP Synthesis 11-03/Topic S04-23](#) - Emergency Working Groups
 - [NCHRP 03-124](#) - Principles and Guidance for Presenting Drivers with Dynamic Information on Active Traffic Management

- [NCHRP 20-07/Task 408](#) - Transportation System Management and Operations (TSMO) Workforce: Skills, Positions, Recruitment, Retention, and Career Development
- [NCHRP 20-24\(95\)](#) - Ensuring Essential Capability for the Future Transportation Agency
- [NCHRP 20-105B](#) - Development of Course Outlines for Ahead of the Curve Training Program: Mastering the Management of Transportation Research
- [NCHRP 20-107](#) - Effective Construction Project Staffing Strategies for Transportation Agencies
- [NCHRP Synthesis 20-05/Topic 49-10](#) - Transportation Workforce Planning and Development Strategies
- [TCRP F-25](#) - Improving the Safety, Health, and Productivity of Transit Operators Through Adequate Restroom Access
- [TCRP F-26](#) - Improving the Health and Safety of Transit Workers with Corresponding Impacts on the Bottom Line
- [TCRP G-17](#) - Assessing Lifecycle and Human Costs of Bus Operator Workstation Design and Components
- [TCRP Synthesis J-07/Topic SF-20](#) - Managing the Transit Scheduling Workforce
- [TCRP Synthesis J-07/Topic SF-21](#) - Attracting and Retaining Women in the Transit Workforce
- [Transit IDEA J-04/IDEA 88](#) - Evaluation of an Automatic, Individual, Computer-Based Operator Education and Training Program
- [Upcoming Projects](#)
 - [ACRP 06-08](#) - Human Factors in Airport Operations
 - [ACRP 06-07](#) - Building Academic Programs to Cultivate Future Airport Industry Professionals
 - [ACRP 06-05](#) - Guidance for Diversity in Airport Businesses Contracting and Workforce Programs
 - [ACRP Synthesis 11-03/Topic S10-16](#) - Training Programs for Airport Operations Personnel
 - [BTSCRIP 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 08-125](#) - A Comprehensive Study of Future Competencies for Transportation Planners
 - [NCHRP 20-116](#) - Emergency Management in State Transportation Agencies
 - [TCRP F-27](#) - Characteristics and Elements of Non-Punitive Employee Safety Reporting Systems for Public Transportation

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

- [A Smarter National Surveillance System for Occupational Safety and Health in the 21st Century](#)
- [The Human Factors of Process Safety and Worker Empowerment in the Offshore Oil Industry](#)
- [Adaptability of the US Engineering and Technical Workforce](#)
- [Workforce Development and Intelligence Analysis for National Security Purposes](#)
- [Measuring the 21st Century Science and Engineering Workforce Population](#)
- [Information Technology and the U.S. Workforce](#)
- [Building America's Skilled Technical Workforce](#)
- [Strengthening the Workforce to Support Community Living and Participation for Older Adults and Individuals with Disabilities](#)
- [Training the Future Child Health Care Workforce to Improve the Behavioral Health of Children, Youth, and Families](#)

Committees & Panels

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

[TRB Standing Committees](#) – Search by transportation mode and committee topic

- [ABC00](#) – Management and Leadership
- [ABC20](#) – Management and Productivity
- [ABC30](#) – Performance Measurement
- [ABG20](#) – Transportation Education and Training
- [AHD15](#) – Maintenance and Operations Personnel
- [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

- o [TF24](#) – Frontline Workforce Training: Moving from Past Practice to Best Practice
- o [TF25](#) – Improving the Health and Safety of the Transit Workforce

Councils

- o [A0040T](#) – Young Member Council

Recent and Upcoming Events

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

[6th International Conference on Women’s Issues in Transportation \(WiiT 2019\)](#)

September 10-13, 2019

Irvine, California

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

[Past Webinars](#)

- o [Highway Maintenance Goes to College](#) - November 7, 2018
- o [Building a Twenty-First Century Transportation Planning Workforce](#) – October 9, 2018
- o [Workforce of the Future: Educating and Retraining the Freight Industry](#) – August 28, 2018
- o [Advancing the Aviation Industry Workforce](#) – October 17, 2017
- o [The Evolving Surface Transportation Maintenance and Operations Workforce Part II: Developing a More Versatile Workforce Through Enhanced Training and Technology](#) – April 6, 2017

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

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

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 l (202) 334-2989