TRB Snap Search: Administration & Management

TRB's involvement in research on Administration & Management from 2020-2021

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

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 Administration & Management within the past year.](#)

Subject Webpage

- Administration & Management Research at TRB

Recent Reports & Publications

- [Airport Cooperative Research Program (ACRP)](#)
  - [Impacts on Practice](#) - ACRP in the Classroom: Reimagining the Textbook at the University of North Dakota Department of Aviation
  - [Impacts on Practice](#) - Measuring Success at Raleigh–Durham International Airport
  - [Report 233](#) - Playbook for Cultivating Talent in the Airport Environment
  - [Report 222](#) - Collecting and Sharing of Operations and Safety Data
  - [Report 217](#) - Guidance for Diversity in Airport Business Contracting and Workforce Programs
  - [Synthesis 113](#) - Airport Workforce Programs Supporting Employee Well-Being
  - [Synthesis 112](#) - Airport Operations Training at Small Airports
  - [Synthesis 107](#) - Models for Law Enforcement at Airports
  - [Synthesis 106](#) - Airport Risk Identification and Prioritization Practices
  - [Web-Only Document 49](#) - Research Roadmap on Airport Administration & Human Resource Issues
  - [WebResource 9](#) - Airport Emergency Plan Development Tool
  - [WebResource 8](#) - Integrating Social Media with Emergency Management at Airports

- [Conference Proceedings](#)
  - [Proceedings on the Web 26](#) - Public–Private Partnerships: What Are the Lessons Learned?

- [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 82](#) - Potential Liability Associated with Unstable Slope Management Programs
  - [Legal Research Digest 81](#) - Legal Issues Concerning the Use of Transportation Facilities to Generate Revenue for State DOTs
  - [NCHRP 20-65/Task 75](#) - Baseline Research on Allowable In-Kind and Local Match Sources
  - [NCHRP 20-07/Task 407](#) - Utility Coordination Efficiency, Safety, Cost, and Schedule Impacts using various Contracting Methods
  - [Report 976](#) - Resilience Primer for Transportation Executives
  - [Report 963](#) - A Pandemic Playbook for Transportation Agencies – TCRP 225
  - [Report 956](#) - Guidebook for Data and Information Systems for Transportation Asset Management

Updated 06/08/2021
- Guide to Calculating Ownership and Operating Costs of Department of Transportation Vehicles and Equipment: An Accounting Perspective
- Guidebooks for Post-Award Contract Administration for Highway Projects Delivered Using Alternative Contracting Methods, Volume 1: Design-Build Delivery
- Guidebooks for Post-Award Contract Administration for Highway Projects Delivered Using Alternative Contracting Methods, Volume 2: Construction Manager-General Contractor Delivery
- Guidebooks for Post-Award Contract Administration for Highway Projects Delivered Using Alternative Contracting Methods, Volume 3: Research Overview
- Incorporating the Costs and Benefits of Adaptation Measures in Preparation for Extreme Weather Events and Climate Change—Guidebook
- Guidebook for Implementing Alternative Technical Concepts in All Types of Highway Project Delivery Methods
- Guide to Ensuring Access to the Publications and Data of Federally Funded Transportation Research
- A Guide to Emergency Management at State Transportation Agencies
- Security 101: A Physical and Cybersecurity Primer for Transportation Agencies
- Workforce Optimization Workbook for Transportation Construction Projects
- Case Studies in Cross-Asset, Multi-Objective Resource Allocation
- Right-Sizing Transportation Investments: A Guidebook for Planning and Programming
- Strategic Issues Facing Transportation, Volume 7: Preservation, Maintenance, and Renewal of Highway Infrastructure
- Practices for Selecting Pedestrian and Bicycle Projects
- Performance Metrics for Public-Private Partnerships
- Asset Management Approaches to Identifying and Evaluating Assets Damaged Due to Emergency Events
- Performance-Based Pavement Warranty Practices
- Business Models to Facilitate Deployment of Connected Vehicle Infrastructure to Support Automated Vehicle Operations
- Integrating Tribal Expertise into Processes to Identify, Evaluate, and Record Cultural Resources

- Special Reports / Consensus Studies
  - Review of the Federal Railroad Administration’s Research and Development Program

- Transit Cooperative Research Program (TCRP)
  - A Pandemic Playbook for Transportation Agencies – NCHRP 963
  - Guide to Joint Development for Public Transportation Agencies
  - Characteristics and Elements of Non-Punitive Employee Safety Reporting Systems for Public Transportation
  - Improving the Safety, Health, and Productivity of Transit Operators Through Adequate Restroom Access
  - Data Sharing Guidance for Public Transit Agencies – Now and in the Future
  - Strategic Communications Toolkit to Improve Support for Transit-Priority Projects
  - Business Models for Mobile Fare Apps
  - Attracting, Retaining, and Advancing Women in Transit
  - Guide to Joint Development for Public Transportation Agencies: Appendices

- Transportation Research Circulars
  - Transportation Asset Management in a COVID-19 World: A TRB Webinar
  - Conference on Performance and Data in Transportation Decision Making

Current & Upcoming Projects

- Creative Marketing Techniques to Improve Revenue Generation Partnerships
- Evaluating the Traveler’s Perspective to Improve the Airport Customer Experience
- Guidance for Evaluating Airport Governance Structures
- Selecting, Procuring, and Implementing Airport Capital Project Delivery Methods
- A Guide to Developing a Culture of Innovation at Airports
- Knowledge is Power: Knowledge Management Guidelines to Help Airports Thrive
- Implementing Airport Privatization: Guidance for Airport Decision Makers
- Guidelines for Adapting and Managing Airport Common Use Programs
- Airport Baggage Handling System Decision-Making Based on Total Cost of Ownership
Development Process:

- ACRP 11-01/Topic 10-03 - Legal Issues Relating to Airport Commercial Contracts
- ACRP Synthesis 11-03/Topic S01-23 - Procuring Software Solutions at Airports
- ACRP Synthesis 11-03/Topic S01-24 - Examples of Airports Providing Facility Space for Community Use
- ACRP Synthesis 11-03/Topic S01-25 - Airport Parking Pricing Strategies
- BTSCR BTS-01 - Guidance for Employer-Based Behavioral Traffic Safety Programs for Drivers in the Workplace
- BTSCR BTS-02 - Guide for Behavioral Traffic Safety Messaging on Variable Message Signs
- NCHRP 02-27 - Making Targets Matter: Managing Performance to Enhance Decision-Making
- NCHRP 03-128 - Business Intelligence Techniques for Transportation Agency Decision Making
- NCHRP 08-113 - Integrating Effective Transportation Performance, Risk, and Asset Management Practices
- NCHRP 08-114 - Systematic Approach for Determining Construction Contract Time: A Guidebook
- NCHRP 08-115 - Guidebook for Data and Information Systems for Transportation Asset Management
- NCHRP 10-99 - Guidebook for Implementing Constructability Across the Entire Project Development Process: NEPA to Final Design
- NCHRP 13-06A - Guide for the Formulation of Long-Range Plans and Budgets for Replacement of Highway Operations Equipment
- NCHRP 13-09 - Maximizing Proceeds from the Fleet Asset Disposal Sales Process
- NCHRP 19-17 - Federal Funding Flexibility: Use of Federal Aid Highway Fund Transfers by State DOTs
- NCHRP 20-06 / Topic 25-03 - Managing Enhanced Risk in the Mega Project Era
- NCHRP 20-06 / Topic 25-05 - The Legal Issues Associated with Consequential Damages Provisions in Construction Contracts
- NCHRP 20-24(131) - Mapping the Common Interests of AASHTO Committees
- NCHRP 20-24(128) - State-of-the-Art Review of Cooperative Automated Transportation (CAT) Systems
- NCHRP 20-44(02) - Implementation of the AASHTO Guide for Enterprise Risk Management
- NCHRP 20-44(27) - Facilitating Balanced Mix Design Implementation
- NCHRP 20-44(28) - Development of a Technology Transfer Plan for State Departments of Transportation Research Programs
- NCHRP 20-65 / Task 79 - Program Management Insights for the 5310 Program (Including Sub-Grantee Consolidation and Urban 5310)
- NCHRP 20-65 / Task 80 - Capacity Building Options for DOT Transit Staff
- NCHRP 20-102(28) - Preparing Transportation Agencies for Connected and Automated Vehicles in Work Zones
- NCHRP 20-123(11) - High-Value Research Marketing and Communications for 2020
- NCHRP 20-127 - Business Case and Communications Strategies for State DOT Resilience Efforts
- NCHRP 20-128 - Emergency Response: Organizational and Operational Models Used by State DOTs
- NCHRP 23-02 - Guidelines on Collaboration and Information Security for State DOTs
- NCHRP 23-03 - Guidelines for State Transportation Agency Chief Executive Officers on Cybersecurity Issues and Protection Strategies
- NCHRP 23-05 - Guidance for Training and Certification of Construction Inspectors for Transportation Infrastructure
- NCHRP 25-62 - Improving the Efficiency and Consistency of Section 106 Compliance for State DOTs: Strategies for Project-Level Programmatic Agreements and Postwar Commercial Properties
- NCHRP Synthesis 20-05 / Topic 51-17 - Practices for Closing Out Highway Projects from Substantial Completion to Final Payment
- NCHRP Synthesis 20-05 / Topic 52-06 - Agency Use of Quality Control Plans for Administering Quality Assurance Specifications
- NCHRP Synthesis 20-05 / Topic 52-09 - Use of Safety Management Systems in Managing Highway Maintenance Worker Safety
- NCHRP Synthesis 20-05 / Topic 52-14 - Models as Construction Contract Documents
- NCHRP Synthesis 20-05 / Topic 52-16 - Visualization of Highway Performance Measures
- TCRP A-46 - Quantitative Procedures for Designing and Operating Ferry Transit Services
- TCRP F-28 - Practitioner’s Guide to Bus Operator Workforce Management
- TCRP I-05 / Topic 18-04 - Joint Development Agreements Using FTA Funds or FTA-Funded Assets
- TCRP Synthesis I-07 / Topic SA-51 - Transit Safety Risk Assessment Methodologies
- TCRP Synthesis I-07 / Topic SB-32 - Use of Agency Trip Agreements in ADA Paratransit Service Delivery
- TCRP Synthesis I-07 / Topic SB-33 - Uses of Social Media in Public Transportation
- Transit IDEA J-04 / IDEA 99 - Bike Love

**Upcoming Projects**

- ACRP 01-44 - Airport Insurance Requirements
- ACRP 09-21 - Asset Information Handover Guidelines: From Planning and Construction to O&M
- Developing Lease Terms for New General Aviation (GA) Development
- Quick Response: Primer for Airport Organizational Redesign
- State Aviation Funding: Project Prioritization and Selection Processes
- Snapshots of Planning Practices
- Guidance on Using Performance-Based Management Approaches for Maintenance
- Further Enhancements and Content for the AASHTO Transportation Asset Management Guide—A Focus on Implementation (TAM Guide III)
- Utility Abandonment, Out of Service Plant, and Decommissioning without Removal on Public Right of Way
- Design Review and 3D Model Quality Management for Model-based Design and Construction
- Safe Systems in the U.S. – Developing a Roadmap for Transportation Road Designers, Planners, and Engineers
- Legal Aspects of Best-Value Procurement for Highway Construction
- Understanding Knowledge Management in Context with Other Organizational Practices
- Update to Transportation Governance: A 50-State Review of State Legislatures and Departments of Transportation
- Assessing and Communicating the Economic and Quality of Life Benefits of Transportation Infrastructure Investments: Message Testing
- Building Capacity for Self-Assessment of Data Effectiveness for Agency Business Needs
- Successful Practices for State Transportation Research Office’s Complying with 2 CFR 200 (NCHRP 20-111)
- Realistic Timing Estimates for Automated Vehicle Implementation
- Transportation Planning Strategic Planning and Research Roadmap Development
- Scoping study for the development of a platform for AASHTO Committee Surveys
- Advancing Practices in In Situ Nondestructive Evaluation of Highway System Asset Foundational Condition and Capability
- Statewide Insurance Pooling for Public Transit
- Guidance for State DOTs on Truck Rest and Service Areas for Critical Supply Chain Delivery
- Scoping Supply Chain Challenges and Solutions amid COVID-19
- Analyzing the Shifts from Brick and Mortar Businesses to Home Delivery
- Research Roadmap for Knowledge Management
- Assessing and Measuring the Business Value of Knowledge Management
- Understanding Knowledge Management in Context with Other Organizational Practices
- Practices for Transportation Agency Procurement and Management of Advanced Technologies
- Operational Oversight of Drones - UAS Development and Deployment: Jurisdictional Issues and Options
- Enabling Knowledge Management through Leadership Strategy and Culture
- Increasing Competition on Projects Delivered by Alternative Methods by Defining and Assessing Contractual Risk Profiles
- Data Governance Design and Implementation - Links Between Governance Approaches and Performance Effects in DOTs
- Practices in the Collection and Use of Utility As-Built Information for Minimizing Project Risks
- Mental Health, Wellness, and Resilience for Transit System Workers
- Transit Sponsor and Contractor Delay Damages and Remedies Due to Third Parties - Transit Facility Improvements-Common Legal Issues and Solutions
- Liability Insurance Issues for Transit Lawyers: A Primer
- On Street Bus Operations Management
- Performance Metrics in Third Party Contracts for Bus Operations and Maintenance
- RFQ: Demographic and Technological Trends Impacting the DMV of the Future

Reports from the National Academies Press on Administration & Management
- Strengthening U.S. Air Force Human Capital Management
- Airborne Platforms to Advance NASA Earth System Science Priorities
- Planning the Future Space Weather Operations and Research Infrastructure
- Governance and Management of the Nuclear Security Enterprise
- Management of Legionella in Water Systems
Facilities Staffing Requirements for the Veterans Health Administration–Resource Planning and Methodology for the Future
Life Cycle Decisions for Biomedical Data

Committees & Panels

Sign-up to be a committee "Friend"

TRB Standing Committees – Search by transportation mode and committee topic
- AB000 – Policy and Organization Group
- ABC00 – Management and Leadership
- ACS10 – Transportation Safety Management
- AJE10 – Strategic Management
- AJE15 – Workforce Development and Organizational Excellence
- AJE20 – Performance Measurement
- AJE30 – Transportation Asset Management
- AIL30 – Contract Law
- AKR10 – Maintenance and Operations Management
- AP010 – Transit Management and Performance
- AP030 – Public Transportation Marketing and Fare Policy

Task Forces - Search for task force under committee here
- A0030T – Data for Decisions and Performance Measures
- AB010T – Knowledge Management
- AT017T – Development of Freight Fluidity Performance Measures

CRP Panels
- Project Panels Related to Administration and Management

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.)

How We Move Matters: Exploring the Connections between New Transportation and Mobility Options and Environmental Health
July 1, 2021
online

International Symposium on Frontiers of Road and Airport Engineering*
July 12, 2021
online

National Conference on Transportation Asset Management
August 10, 2021
online

Conference on Advancing Transportation Equity
September 8, 2021
Washington, D.C.

National Conference on Rural Public and Intercity Bus Transportation
October 25, 2021
online

Geo-Extreme Conference*
November 7, 2021
Savannah, GA

International Conference on Managing Pavement Assets (ICMPA)*
June 7, 2022
Chicago, IL
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