TRB Snap Search: Administration & Management

TRB's involvement in research on Administration & Management from 2022-2023

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

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.

Recent Reports & Publications

- **Airport Cooperative Research Program (ACRP)**
  - **Report 240** - Primer for Airport Organizational Redesign
  - **Synthesis 120** - Airport Software Solutions and Services Sourcing
  - **Synthesis 119** - Considerations for Establishing and Maintaining Successful Pollinator Programs on Airports
  - **Synthesis 118** - Airport Parking Pricing Strategies
  - **Synthesis 116** - Examples of Facility Space Provided for Community Use at Airports
  - **Web-Only Document 52** - Command-Level Decision Making for Transportation Emergency Managers

- **Behavioral Traffic Safety Cooperative Research Program (BTSCR)**

- **National Cooperative Highway Research Program (NCHRP)**
  - **NCHRP 20-44(12)** - Building Capacity for Self-Assessment of Data Effectiveness for Agency Business Needs
  - **Legal Research Digest 86** - Managing Enhanced Risk in the Mega Project Era
  - **Report 1023** - Federal Funding Flexibility: Use of Federal Aid Highway Fund Transfers by State DOTs
  - **Report 1008** - Attracting, Retaining, and Developing the 2030 Transportation Workforce: Design, Construction, and Maintenance
  - **Report 985** - Integrating Effective Transportation Performance, Risk, and Asset Management Practices
  - **Synthesis 596** - Measuring Investments in Active Transportation When Accomplished as Part of Other Projects
  - **Synthesis 592** - Practices for Balancing Safety Investments in a Comprehensive Safety Program
  - **Synthesis 591** - Use of Safety Management Systems in Managing Highway Maintenance Worker Safety
  - **Synthesis 590** - Agency Use of Quality Control Plans for Administering Quality Assurance Specifications
  - **Synthesis 584** - Visualization of Highway Performance Measures
  - **Synthesis 577** - Collaborative Practices for Performance-Based Asset Management Between State DOTs and MPOs
  - **Web-Only Document 335** - A Guide to Computation and Use of System-Level Valuation of Transportation Assets
  - **Web-Only Document 321** - Command-Level Decision Making for Transportation Emergency Managers
  - **Web-Only Document 298** - Developing a Systematic Approach for Determining Construction Contract Time

Updated 11/04/2022
Special Reports / Consensus Studies

- Report 345 - Preparing for LNG by Rail Tank Car: A Readiness Review

Transit Cooperative Research Program (TCRP)

- Report 238 - Quantitative Procedures for Designing and Operating Ferry Services
- Synthesis 163 - Considering the Unbanked in Cashless Fare Payment at Point of Service for Bus/Demand-Response Services
- Synthesis 161 - ADA Paratransit and Other Demand-Responsive Transportation Services in Small to Midsized Transit Agencies
- Synthesis 157 - Transit Safety Risk Assessment Methodologies
- Synthesis 156 - Uses of Social Media in Public Transportation
- Web-Only Document 75 - Command-Level Decision Making for Transportation Emergency Managers

Transportation Research Circulars

- E-Circular 277 - 13th National Conference on Transportation Asset Management

Current & Upcoming Projects

Current Projects

- ACRP 01-39 - Creative Marketing Techniques to Improve Revenue Generation Partnerships
- ACRP 01-42 - Guidance for Evaluating Airport Governance Structures
- ACRP 01-44 - Airport Insurance Requirements
- ACRP 01-45 - Selecting, Procuring, and Implementing Airport Capital Project Delivery Methods
- ACRP 01-47 - A Guide to Developing a Culture of Innovation at Airports
- ACRP 01-49 - Knowledge is Power: Knowledge Management Guidelines to Help Airports Thrive
- ACRP 01-51 - Improving Airport Organizational Practices to Enhance ACDBE/DBE Participation
- ACRP 03-52 - Guidelines for Adapting and Managing Airport Common Use Programs
- ACRP 03-53 - Airport Baggage Handling System Decision-Making Based on Total Cost of Ownership
- ACRP 05-03 - Guidebook on Airport Cybersecurity and Incident Response
- ACRP 09-21 - Asset Information Handover Guidelines: From Planning and Construction to O&M
- ACRP 11-01/Topic 12-02 - Legal Considerations for General Aviation (GA) Development at Airports
- ACRP 11-11/Task 01 - Knowledge Transfer of Lessons Learned From ACRP Product Implementation
- ACRP Synthesis 11-03/Topic S03-16 - Project Prioritization and Selection Processes for State Aviation Funding
- BTSCRPT BTS-01 - Guidance for Employer-Based Behavioral Traffic Safety Programs for Drivers in the Workplace
- NCHRP 03-128 - Business Intelligence Techniques for Transportation Agency Decision Making
- NCHRP 08-115 - Guidebook for Data and Information Systems for Transportation Asset Management
- NCHRP 08-128 - Snapshots of Planning Practices
- NCHRP 08-137 - Updates to the Digital Edition of the AASHTO Transportation Asset Management Guide
- NCHRP 08-142 - Virtual Public Involvement: A Manual for Effective, Equitable, and Efficient Practices for Transportation Agencies
- NCHRP 08-151 - Risk Management at State DOTs: Building Momentum and Sustaining the Practice
- NCHRP 08-154 - Guidance for Agencies to Incorporate Uncertainty into Long-Range Transportation Planning
- NCHRP 08-167 - A Guide for Creating Effective Visualizations
- NCHRP 10-113 - Quality Management for 3D Model-Based Project Development and Delivery
- 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 15-81 - Guideline for Depicting Existing and Proposed Utility Facilities in Design Plans
- NCHRP 17-101 - Applying the Safe System Approach to Transportation Planning, Design, and Operations in the United States
- NCHRP 19-20 - Interdependence of Federal, State, and Local Transportation Funding and Ownership
- 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 20-06/Topic 25-06 - Legal Aspects of Best-Value Procurement for Highway Construction
- 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
- Prevention and Mitigation of Surficial Slope Failures on Highway Embankment Slopes
- State DOT Innovation Programs and Practices
- Wintertime Pavement Maintenance Practices
- Practices for Controlling Tunnel Leaks
- Practices to Promote Gender Equity in the DOT Workforce
- Practices in the Transportation Planning Process to Address Climate Resilience and GHG Emission Quantification and Reduction
- Practitioner's Guide to Bus Operator Workforce Management
- Mental Health, Wellness, and Resilience for Transit System Workers
- Guide for Protecting Transportation Employees and the Traveling Public from Airborne Diseases
- Joint Development Agreements Using FTA Funds or FTA-Funded Assets
- Homelessness: A Guide for Public Transportation
- On Street Bus Operations Management
- Performance Metrics in Third Party Contracts for Bus Operations and Maintenance
- Bike Love

- Improving Airport Organizational Practices to Enhance ACDBE/DBE Participation
- Review and Update of ACRP Administration and Human Resources Products
- Environmental Stewardship and Compliance Training for Airport Employees
- Incorporating Emerging Technologies into Airport In-Terminal Concession Programs
- Guidelines for Planning for Future Growth of Electric Vehicles at Airports
- Airport Emergency Management Capabilities Development
- Best Practices for Building and Improving an Aircraft Rescue and Firefighting Program
- Quantifying and Understanding Women and Minority Airport Employee Populations to Track Progress
- Unruly Airport Passengers
- Impact of New Corporate Environmental Standards Impact Airports
- Review ACRP Website
- Snapshots of Planning Practices
- Guidance on Using Performance-Based Management Approaches for Maintenance
- Integrating Resiliency into Transportation System Operations
- Utility Abandonment, Out of Service Plant, and Decommissioning without Removal on Public Right of Way
- Handbook for Addressing Racial Disparities in the Project Delivery Process
- A Guide for Creating Effective Visualizations
- Institutionalizing Safe Systems and Safety Culture in the Transportation Planning Process
- Guide on Progressive Design-Build for Transportation Projects
- Guidance for Efficient Timelines and Incentives/Disincentives for Accelerated Bridge Construction Projects
- Guidance for Including Right-Of-Way and Utilities in Value Engineering Studies
- Practical Approaches to Quantifying Safe System Concepts
- Understanding the Impacts of Operational Changes on Safety Performance
- Evaluation of Trespassing Detection and Warning Systems in the Vicinity of Highway-Rail Grade Crossings
- Future Equity Impacts of Existing Fuel Taxes
- New Mobility and the User Fee Concept
- Analysis of Arbitration and Holdings in Construction Disputes
- Multistate Coordination and Harmonization for AV Legislation
- Pandemics and Contractual Issues
- Understanding Knowledge Management in Context with Other Organizational Practices
- Advancing the Art and Science of Decision-Making
- Agile Project Delivery in Multi-Modal Transportation
- Ensuring Essential Capability for the Future Transportation Agency
- Supporting State DOT Adoption of Knowledge Management Practices
- UAS Flight Proficiency Certification Pilot Program for State DOTs
- Peer Exchanges on Data Management and Governance Practices
- Preparing the Transportation Workforce for the Deployment of Emerging Technology
- NCHRP 20-123 - Support for AASHTO Committees and Councils
- NCHRP 23-11 - Transportation Emergency Management/Security Summit and Exchange
- NCHRP 23-13(03) - Guide on Truck Rest and Service Areas for Critical Supply Chain Delivery
- NCHRP 23-13(04) - Scoping Supply Chain Challenges and Solutions amid COVID-19
- NCHRP 23-13(06) - Analyzing the Shifts from Brick and Mortar Businesses to Home Delivery
- NCHRP 23-17 - Assessing and Measuring the Business Value of Knowledge Management
- NCHRP 23-19 - Practices for Transportation Agency Procurement and Management of Advanced Technologies
- NCHRP 23-24 - Methods to Allow Agencies to Incorporate Quantitative Risk Assessment at Project and Network Level
- NCHRP 23-26 - Measuring Impacts and Performance of State DOT Resilience Efforts
- NCHRP 23-27 - Strategies for Developing and Using Data Ontologies for Data-Driven Decision-Making
- NCHRP 23-28 - Planning for 4.9 GHz Spectrum Changes — What Transportation Agencies Need to Know
- NCHRP 23-29 - Enterprise Data Warehouse Implementation Guide
- NCHRP Synthesis 20-05/Topic 54-10 - State Customization of Highway Safety Manual Methods
- NCHRP Synthesis 20-05/Topic 54-14 - Artificial Intelligence Applications for Automated Pavement Condition Evaluation
- TCRP J-05/Topic 19-04 - Transit Sponsor and Contractor Delay Damages and Remedies Due to Third Parties - Transit Facility Improvements-Common Legal Issues and Solutions
- TCRP J-05/Topic 20-02 - Liability Insurance Issues for Transit Lawyers: A Primer
- TPFE 04 - Evaluation of FHWA’s Every Day Counts Program
- TRB/AAMVA 19-01 - RFQ: Demographic and Technological Trends Impacting the DMV of the Future

Reports from the National Academies Press on Administration & Management

- Transportation and Infrastructure » Administration and Management
- Long COVID: Examining Long-Term Health Effects of COVID-19 and Implications for the Social Security Administration
- A Pragmatic Future for NAEP: Containing Costs and Updating Technologies
- Aviation After a Year of Pandemic: Economics, People, and Technology
- Effectiveness and Efficiency of Defense Environmental Cleanup Activities of the Department of Energy’s Office of Environmental Management: Report 2
- Advanced Battle Management System: Needs, Progress, Challenges, and Opportunities Facing the Department of the Air Force

Committees & Panels

Sign-up to be a committee "Friend"

TRB Standing Committees – Search by transportation mode and committee topic
- A0030C - City Transportation Issues Coordinating Council
- ACP10 - Regional Transportation Systems Management and Operations
- ACP60 - Access Management
- ACS10 – Transportation Safety Management Systems
- AEP60 - Transportation Demand Management
- AJE00 - Executive Management Issues
- AJE10 – Strategic Management
- AJE15 – Workforce Development and Organizational Excellence
- AJE20 – Performance Measurement
- AJE30 – Transportation Asset Management
- AJE35 - Research Innovation Implementation Management
- AJE45 - Information and Knowledge Management
- AJL30 – Contract Law
- AIL40 - Tort Liability and Risk Management
- AKC10 - Construction Management
- AKC30 - Quality Assurance Management
- AKR10 – Maintenance and Operations Management
- AKT00 - Infrastructure Management and System Preservation
- AKT10 - Pavement Management Systems
- AKT50 - Bridge and Structures Management
- AKT70 - Maintenance Management Systems
- AME30 - Native American Transportation Issues
- AP010 – Transit Management and Performance
AV010 - Aviation Administration and Policy
AV090 - Aviation Safety, Security and Emergency Management

Task Forces - Search for task force under committee here

CRP Panels
- B0024 - Research and Technology Coordinating Committee (FHWA)
- B0154 - Review Evidentiary Protection for Public Transportation Safety Program Information
- B0156 - Review of Federal Highway Administration Infrastructure R&D
- B0167 - Research and Technology Coordinating Committee (Federal Highway Administration)
- B0175 - Emerging Trends in Aviation Safety
- D0226 - Implementation of Programmatic Life Cycle Cost Analysis in a Transportation Asset Management Framework
- D08107 - A Guidebook for Emergency Contracting Procedures for Administration
- D08108 - Developing National Performance Management Data Strategies to Address Data Gaps, Standards, and Quality
- D08118 - Risk Assessment Techniques for Transportation Asset Management
- D08124 - Quantifying the Impacts of Corridor Management
- D08137 - Updates to the Digital Edition of the AASHTO Transportation Asset Management Guide
- D08138 - Connecting Transportation Asset Management (TAM) and Transportation System and Management Operations (TSMO)
- D08151 - Risk Management at State DOTs: Building Momentum and Sustaining the Practice
- D08169 - Equity, Diversity, and Inclusion, and Other Indicators to Improve Transportation Asset Management Impact and Outcomes
- D205937 - Debris Management Handbook for State and Local DOTs
- D2024 - Administration of Highway and Transportation Agencies
- D2308 - Guidelines of Incorporating Maintenance Costs into a Transportation Asset Management Plan
- D2314 - Research Roadmap for Knowledge Management
- D2317 - Assessing and Measuring the Business Value of Knowledge Management
- D2319 - Practices for Transportation Agency Procurement and Management of Advanced Technologies
- D2321 - Enabling Knowledge Management through Leadership Strategy and Culture
- D2331 - Lessons Learned from Two Decades of Knowledge Management
- DA0149 - The Evolution of Knowledge Management at Airports
- DA110235 - Research Roadmap on Administration and Human Resource Issues
- SN4813 - Resilience in Transportation Planning, Engineering, Management, Policy, and Administration
- SN5105 - Collaborative Practices for Performance-Based Asset Management Between State DOTs and MPOs
- SN5202 - Using Bridge Element Data in Asset Management Decision Making
- TF28 - Practitioner’s Guide to Bus Operator Workforce Management

Councils
- A001C – Young Members Coordinating Council

Recent and Upcoming Events
Upcoming TRB Conferences – Use left hand menu to filter events

Measuring Supply Chain Performance: Metrics, Data, and Policy Perspectives
April 12-13, 2023
Washington, D.C.

National Aviation System Planning Symposium
Mat 15-18, 2023
Irving, CA

Innovations in Travel Analysis and Planning Conference
June 4-6, 2023
Indianapolis, IN

National Conference on Transportation Asset Management
July 8-11, 2023
Boston, MA

Upcoming Events – In the Upcoming Events tab under Types, choose what event you are interested in, search titles by keyword
Past Events - In the Past Events tab under Types, choose what event you are interested in, search titles by keyword

**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](http://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](http://trt.trb.org) – A tool to improve the indexing and retrieval of transportation information.
- **Research in Progress (RiP) Database** – [rip.trb.org](http://rip.trb.org) - Current or recently completed transportation research projects
- **Publications Index (PubsIndex) Database** – [pubsindex.trb.org](http://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