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.

Subject Webpage

- Administration & Management Research at TRB

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)
  - Report 3 - Behavioral Traffic Safety Messaging on Variable Message Signs

- 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 1035 - Guide to Effective Methods for Setting Transportation Performance Targets
  - 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 296 - Developing a Systematic Approach for Determining Construction Contract Time

- 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
  - BTSCRP 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
○ NCHRP 20-24(133) - Update to Transportation Governance: A 50-State Review of State Legislatures and Departments of Transportation
○ NCHRP 20-24(137) - Assessing and Communicating the Economic and Quality of Life Benefits of Transportation Infrastructure Investments: Message Testing
○ NCHRP 20-24(138) - Collective and Individual Actions for State Departments of Transportation Envisioning and Realizing the Next Era of America’s Transportation Infrastructure – Phase I
○ 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 20-44(34) - Successful Practices for State Transportation Research Office’s Complying with 2 CFR 200 (NCHRP 20-111)
○ NCHRP 20-44(40) - Implementing the Agency Capability Building Framework to Activate Organizational Change
○ 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(20) - Preparing the Transportation Workforce for the Deployment of Emerging Technology
○ NCHRP 20-102(27) - Realistic Timing Estimates for Automated Vehicle Implementation
○ NCHRP 20-102(28) - Preparing Transportation Agencies for Connected and Automated Vehicles in Work Zones
○ NCHRP 20-102(34) - Toolbox for Navigating the Land-Use Impacts of the Automated Vehicle Ecosystem
○ NCHRP 20-123 - Support for AASHTO Committees and Councils
○ NCHRP 20-123(13) - Strategic Plan and Research Roadmap for the AASHTO Committee on Planning
○ NCHRP 20-123(14) - Scoping study for the development of a platform for AASHTO Committee Surveys
○ NCHRP 20-126(03) - Advancing Practices of In Situ Nondestructive Evaluation of Highway System Asset Foundational Condition and Capability
○ 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 20-02 - 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 23-04 - Statewide Insurance Pooling for Public Transit
○ NCHRP 23-05 - Guidance for Training and Certification of Construction Inspectors for Transportation Infrastructure
○ NCHRP 23-14 - Research Roadmap for Knowledge Management
○ NCHRP 23-16 - Implementing and Leveraging Machine Learning at State Departments of Transportation
○ NCHRP 23-20 - Operational Oversight of Drones - UAS Development and Deployment: Jurisdictional Issues and Options
○ NCHRP 23-22 - Alternative Project Delivery Methods: Assessing and Allocating Risk to Increase Competition
○ NCHRP 23-23 - Data Governance Design and Implementation - Links Between Governance Approaches and Performance Effects in DOTs
○ 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 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 53-04 - Practices for the Collection, Use, and Management of Utility As-Built Information
○ NCHRP Synthesis 20-05/Topic 54-01 - Practices to Identify and Mitigate PFAS Impacts on Highway Construction Projects and Maintenance Operations
○ NCHRP Synthesis 20-05/Topic 54-02 - Outsourcing Post-Construction Stormwater Best Management Practice Inspection and Maintenance Activities
○ NCHRP Synthesis 20-05/Topic 54-03 - DOT Practices on Road Safety Audits
○ NCHRP Synthesis 20-05/Topic 54-06 - Ancillary Asset Data Stewardship and Data Models
○ NCHRP Synthesis 20-05/Topic 54-07 - Visualization for Public Involvement
○ NCHRP Synthesis 20-05/Topic 54-08 - Practices for Integrating Performance-Based Plans with Long-Range Transportation Plans and Statewide Transportation Investment Programs
○ NCHRP Synthesis 20-05/Topic 54-11 - Quality Control Checks for Bridge and Structure Analysis Models
- **NCHRP Synthesis 20-05/Topic 54-12** - Programmatic Implementation of Alternative Delivery Methods by State Transportation Agencies
- **NCHRP Synthesis 20-05/Topic 54-15** - Prevention and Mitigation of Surficial Slope Failures on Highway Embankment Slopes
- **NCHRP Synthesis 20-05/Topic 54-17** - State DOT Innovation Programs and Practices
- **NCHRP Synthesis 20-05/Topic 54-18** - Wintertime Pavement Maintenance Practices
- **NCHRP Synthesis 20-05/Topic 54-19** - Practices for Controlling Tunnel Leaks
- **NCHRP Synthesis 20-05/Topic 54-20** - Practices to Promote Gender Equity in the DOT Workforce
- **NCHRP Synthesis 20-05/Topic 54-21** - Practices in the Transportation Planning Process to Address Climate Resilience and GHG Emission Quantification and Reduction
- **TCRP F-29** - Mental Health, Wellness, and Resilience for Transit System Workers
- **TCRP F-30** - Guide for Protecting Transportation Employees and the Traveling Public from Airborne Diseases
- **TCRP J-05/Topic 18-04** - Joint Development Agreements Using FTA Funds or FTA-Funded Assets
- **Transit IDEA J-04/IDEA 99** - Bike Love

- **Upcoming Projects**
  - **ACRP 01-51** - Improving Airport Organizational Practices to Enhance ACDBE/DBE Participation
  - **ACRP 01-53** - Review and Update of ACRP Administration and Human Resources Products
  - **ACRP 02-101** - Environmental Stewardship and Compliance Training for Airport Employees
  - **ACRP 03-70** - Incorporating Emerging Technologies into Airport In-Terminal Concession Programs
  - **ACRP 03-71** - Guidelines for Planning for Future Growth of Electric Vehicles at Airports
  - **ACRP 04-30** - Airport Emergency Management Capabilities Development
  - **ACRP 04-34** - Best Practices for Building and Improving an Aircraft Rescue and Firefighting Program
  - **ACRP 06-09** - Quantifying and Understanding Women and Minority Airport Employee Populations to Track Progress
  - **ACRP 07-20** - Unruly Airport Passengers
  - **ACRP 11-09/Topic 01** - Impact of New Corporate Environmental Standards Impact Airports
  - **ACRP 11-12/Task 01** – Review ACRP Website
  - **NCHRP 08-128** - Snapshots of Planning Practices
  - **NCHRP 08-136** - Guidance on Using Performance-Based Management Approaches for Maintenance
  - **NCHRP 08-146** - Integrating Resiliency into Transportation System Operations
  - **NCHRP 08-148** - Utility Abandonment, Out of Service Plant, and Decommissioning without Removal on Public Right of Way
  - **NCHRP 08-155** - Handbook for Addressing Racial Disparities in the Project Delivery Process
  - **NCHRP 08-167** - A Guide for Creating Effective Visualizations
  - **NCHRP 08-171** - Institutionalizing Safe Systems and Safety Culture in the Transportation Planning Process
  - **NCHRP 10-115** - Guide on Progressive Design-Build for Transportation Projects
  - **NCHRP 10-118** - Guidance for Efficient Timelines and Incentives/Disincentives for Accelerated Bridge Construction Projects
  - **NCHRP 10-120** - Guidance for Including Right-Of-Way and Utilities in Value Engineering Studies
  - **NCHRP 17-116** - Practical Approaches to Quantifying Safe System Concepts
  - **NCHRP 17-118** - Understanding the Impacts of Operational Changes on Safety Performance
  - **NCHRP 17-122** - Evaluation of Trespassing Detection and Warning Systems in the Vicinity of Highway-Rail Grade Crossings
  - **NCHRP 19-22** - Future Equity Impacts of Existing Fuel Taxes
  - **NCHRP 19-23** - New Mobility and the User Fee Concept
  - **NCHRP 20-06/Topic 26-02** - Analysis of Arbitration and Holdings in Construction Disputes
  - **NCHRP 20-06/Topic 26-03** - Multistate Coordination and Harmonization for AV Legislation
  - **NCHRP 20-06/Topic 26-04** - Pandemics and Contractual Issues
  - **NCHRP 20-24(132)** - Understanding Knowledge Management in Context with Other Organizational Practices
  - **NCHRP 20-24(141)** - Advancing the Art and Science of Decision-Making
  - **NCHRP 20-24(144)** - Agile Project Delivery in Multi-Modal Transportation
  - **NCHRP 20-44(40)** - Ensuring Essential Capability for the Future Transportation Agency
  - **NCHRP 20-44(45)** - Supporting State DOT Adoption of Knowledge Management Practices
  - **NCHRP 20-44(47)** - 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
- Support for AASHTO Committees and Councils
- Transportation Emergency Management/Security Summit and Exchange
- Guide 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
- Assessing and Measuring the Business Value of Knowledge Management
- Practices for Transportation Agency Procurement and Management of Advanced Technologies
- Methods to Allow Agencies to Incorporate Quantitative Risk Assessment at Project and Network Level
- Measuring Impacts and Performance of State DOT Resilience Efforts
- Strategies for Developing and Using Data Ontologies for Data-Driven Decision-Making
- Planning for 4.9 GHz Spectrum Changes — What Transportation Agencies Need to Know
- Enterprise Data Warehouse Implementation Guide
- State Customization of Highway Safety Manual Methods
- Artificial Intelligence Applications for Automated Pavement Condition Evaluation
- 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
- Evaluation of FHWA's Every Day Counts Program
- Demographic and Technological Trends Impacting the DMV of the Future

Reports from the National Academies Press on Administration & 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
- 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

- City Transportation Issues Coordinating Council
- Regional Transportation Systems Management and Operations
- Access Management
- Transportation Safety Management Systems
- Transportation Demand Management
- Executive Management Issues
- Strategic Management
- Workforce Development and Organizational Excellence
- Performance Measurement
- Transportation Asset Management
- Research Innovation Implementation Management
- Information and Knowledge Management
- Contract Law
- Tort Liability and Risk Management
- Construction Management
- Quality Assurance Management
- Maintenance and Operations Management
- Infrastructure Management and System Preservation
- Pavement Management Systems
- Bridge and Structures Management
- Maintenance Management Systems
- Native American Transportation Issues
- Transit Management and Performance
- Aviation Administration and Policy
- Aviation Safety, Security and Emergency Management

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

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

**Councils**
- Young Members Coordinating Council

**Upcoming 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 - 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
- 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