TRB Snap Search: Administration & Management

TRB’s involvement in research on Administration & Management from 2021-2022

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)
  - Legal Research Digest 41 - Legal Issues Relating to Airport Commercial Contracts
  - Report 232 - Playbook for Cultivating Talent in the Airport Environment
  - Report 231 - Evaluating the Traveler’s Perspective to Improve the Airport Customer Experience
  - Report 227 - Evaluating and Implementing Airport Privatization and Public-Private Partnerships
  - WebResource 9 - Airport Emergency Plan Development Tool

- National Cooperative Highway Research Program (NCHRP)
  - Report 985 - Integrating Effective Transportation Performance, Risk, and Asset Management Practices
  - Report 976 - Resilience Primer for Transportation Executives
  - Report 975 - Transportation System Resilience: Research Roadmap and White Papers
  - Report 963 - A Pandemic Playbook for Transportation Agencies – TCRP 225
  - Report 956 - Guidebook for Data and Information Systems for Transportation Asset Management
  - Synthesis 577 - Collaborative Practices for Performance-Based Asset Management Between State DOTs and MPOs
  - Synthesis 570 - Practices for Closing Out Highway Projects from Substantial Completion to Final Payment
  - Synthesis 564 - Practices for Selecting Pedestrian and Bicycle Projects

- Special Reports / Consensus Studies

- Transit Cooperative Research Program (TCRP)
  - Report 228 - Resource Guide for Improving Diversity and Inclusion Programs for the Public Transportation Industry
  - Report 225 - A Pandemic Playbook for Transportation Agencies – NCHRP 963
  - Report 224 - Guide to Joint Development for Public Transportation Agencies
  - Web-Only Document 73 - Guide to Joint Development for Public Transportation Agencies: Appendices

- Transportation Research Circulars
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 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 09-21 - Asset Information Handover Guidelines: From Planning and Construction to O&M
  - ACRP 11-02/Task 40 - Quick Response: Primer for Airport Organizational Redesign
  - ACRP Synthesis 11-03/Task 01-23 - Procuring Software Solutions at Airports
  - ACRP Synthesis 11-03/Task 01-24 - Examples of Airports Providing Facility Space for Community Use
  - ACRP Synthesis 11-03/Task 01-25 - Airport Parking Pricing Strategies
  - ACRP Synthesis 11-03/Task 03-16 - Project Prioritization and Selection Processes for State Aviation Funding
  - BTS/CRP BTS-01 - Guidance for Employee-Based Behavioral Traffic Safety Programs for Drivers in the Workplace
  - BTS/CRP 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 08-114 - Systematic Approach for Determining Construction Contract Time: A Guidebook
  - NCHRP 08-115 - Guidebook for Data and Information Systems for Transportation Asset Management
  - NCHRP 08-142 - Virtual Public Involvement: A Manual for Effective, Equitable, and Efficient Practices for Transportation Agencies
  - 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 20-06/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(02) - Implementation of the AASHTO Guide for Enterprise Risk Management
  - NCHRP 20-44(12) - Building Capacity for Self-Assessment of Data Effectiveness for Agency Business Needs
  - 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 20-65/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(27) - Realistic Timing Estimates for Automated Vehicle Implementation
  - NCHRP 20-102(28) - Preparing Transportation Agencies for Connected and Automated Vehicles in Work Zones
  - NCHRP 20-123 - Support for AASHTO Committees and Councils
  - 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 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 23-04** - Statewide Insurance Pooling for Public Transit
- **NCHRP 23-05** - Guidance for Training and Certification of Construction Inspectors for Transportation Infrastructure
- **NCHRP 23-16** - Implementing and Leveraging Machine Learning at State Departments of Transportation
- **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 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
- **NCHRP Synthesis 20-05/Topic 53-04** - Practices for the Collection, Use, and Management of Utility As-Built Information
- **NCHRP 20-06/Topic 25-05** - The Legal Issues Associated with Consequential Damages Provisions in Construction Contracts
- **TCRP A-46** - Quantitative Procedures for Designing and Operating Ferry Transit Services
- **TCRP F-28** - Practitioner’s Guide to Bus Operator Workforce Management
- **TCRP 1-05/Topic 18-04** - Joint Development Agreements Using FTA Funds or FTA-Funded Assets
- **TCRP Synthesis J-07/Topic SA-51** - Transit Safety Risk Assessment Methodologies
- **TCRP Synthesis J-07/Topic SB-32** - Use of Agency Trip Agreements in ADA Paratransit Service Delivery
- **TCRP Synthesis J-07/Topic SB-33** - Use of Social Media in Public Transportation
- **Transit IDEA J-04/IDEA 99** - Bike Love

### Upcoming Projects
- **ACRP 01-51** - Improving Airport Organizational Practices to Enhance ACDBE/DBE Participation
- **ACRP 11-01/Topic 12-02** - Legal Considerations for General Aviation (GA) Development at 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 08-137** - Updates to the Digital Edition of the AASHTO Transportation Asset Management Guide
- **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** - Researching and Responding to Racial Disparities in Construction
- **NCHRP 08-167** - A Guide for Creating Effective Visualizations
- **NCHRP 10-113** - Design Review and 3D Model Quality Management for Model-based Design and Construction
- **NCHRP 17-101** - Safe Systems in the U.S. – Developing a Roadmap for Transportation Road Designers, Planners, and Engineers
- **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 19-20** - Interdependence of Federal, State, and Local Transportation Funding and Ownership
- **NCHRP 19-22** - Future Equity Impacts of Existing Fuel Taxes
- **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)** - The Art of Decision Making
- **NCHRP 20-44(40)** - Ensuring Essential Capability for the Future Transportation Agency
- **NCHRP 20-102(20)** - Preparing the Transportation Workforce for the Deployment of Emerging Technology
- **NCHRP 20-102(34)** - Land Use Impacts of Shared and Private AVs
- **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 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 23-14 - Research Roadmap for Knowledge Management
- NCHRP 23-17 - Assessing and Measuring the Business Value of Knowledge Management
- NCHRP 23-18 - Incorporating Knowledge Management into DOT Business Practices
- NCHRP 23-19 - Practices for Transportation Agency Procurement and Management of Advanced Technologies
- NCHRP 23-20 - Operational Oversight of Drones - UAS Development and Deployment: Jurisdictional Issues and Options
- NCHRP 23-21 - Enabling Knowledge Management through Leadership Strategy and Culture
- NCHRP 23-22 - Increasing Competition on Projects Delivered by Alternative Methods by Defining and Assessing Contractual Risk Profiles
- 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 23-27 - Strategies to Strengthen Data-Driven Decision Making
- NCHRP 23-28 - Changes to 4.9 Ghz Spectrum Access and Authorization – What You Need to Know
- 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 54-10 - State Customization of Highway Safety Manual Methods
- 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 54-14 - Artificial Intelligence Applications for Automated Pavement Condition Evaluation
- 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 to Address Climate Change in the Transportation Planning Process
- TRC 20-01 - RFQ: Demographic and Technological Trends Impacting the DMV of the Future

Reports from the National Academies Press on Administration & Management
- Looking Ahead at the Cybersecurity Workforce at the Federal Aviation Administration
- Testing and Validating the Staffing Methodology for the Veterans Health Administration
- Data and Management Strategies for Recreational Fisheries with Annual Catch Limits
- Effectiveness and Efficiency of Defense Environmental Cleanup Activities of DOE’s Office of Environmental 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

Committees & Panels
Sign-up to be a committee "Friend"

TRB Standing Committees – Search by transportation mode and committee topic
Task Forces - Search for *task force* under committee here

CRP Panels
  - Project Panels Related to Administration and Management

Councils
  - A001C – Young Members Coordinating Council

Recent and Upcoming Events

Upcoming TRB Conferences – Use left hand menu to filter events

Automated Road Transportation Symposium  
*July 18-21, 2022  
Garden Grove, CA*

Tools of the Trade Conference  
*August 29-31, 2022  
Boise, ID*

Conference on Scenario Planning in Transportation Planning  
*September 19-21, 2022  
Washington, D.C.*

Symposium on Visualization in Transportation  
*November 3-4, 2022  
Washington, D.C.*

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) – [trtt.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