TRB Snap Search: Administration & Management

TRB's involvement in research on Administration & Management from 2019-2020

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
  - Impacts on Practice - Defining Leadership Roles at the Athens-Ben Epps Airport
  - Legal Research Digest 37 - Legal Issues Relating to Airports Promoting Competition
  - Report 202 - Developing Innovative Strategies for Aviation Education and Participation
  - Report 196 - Guidebook for Integrating Collaborative Partnering into Traditional Airport Practices
  - Report 192 - Airport Management Guide for Providing Aircraft Fueling Services
  - Research Results Digest 28 - Thought Leader Forum Summary—Emerging Issues for ACRP
  - Synthesis 106 - Airport Risk Identification and Prioritization Practices
  - Synthesis 105 - Airport Surface Weather Observation Options for General Aviation Airports
  - Synthesis 104 - Current Landscape of Unmanned Aircraft Systems at Airports
  - Synthesis 103 - Promoting Aviation Career Education in High Schools and Community Colleges
  - Synthesis 102 - Value, Benefits, and Limitations of Qualifications-Based Selection for Airport Project Delivery
  - Synthesis 98 - Simulation Options for Airport Planning
  - Synthesis 97 - How Airports Plan for Changing Aircraft Capacity: The Effects of Upgauging
  - Synthesis 95 - Airport Incident Reporting Practices

- Conference Proceedings
  - Proceedings on the Web 26 - Public–Private Partnerships: What Are the Lessons Learned?
  - Proceedings on the Web 25 - Proceedings of the 12th National Conference on Transportation Asset Management

- IDEA Safety Program
  - Project 34 - Prototype System for Managing and Analyzing Enterprise Rail Transport Risks of Hazardous Materials

- National Cooperative Highway Research Program (NCHRP)
  - Legal Research Digest 79 - The Effectiveness of State False Claims Acts in Protecting State Transportation Funding
  - Legal Research Digest 78 - Condemnation Hierarchy—Competing Public Uses

Updated 06/09/2020
Legal Research Digest 77 - Update of Selected Studies in Transportation Law, Volume 8, Section 1: Civil Rights and Transportation Agencies
Legal Research Digest 76 - Update of Selected Studies in Transportation Law, Volume 8, Section 3: Indian Transportation Law
NCHRP 25-25/Task 109 - Successful Practices for Environmental Commitments in Public/Private Partnerships (P-3) and Design-Build (D-B) Contracts
NCHRP 25-25/Task 105 - A Guidebook for Communications between Transportation and Public Health Communities
NCHRP 20-1111 - Successful Practices for State Transportation Research Office's Complying with 2 CFR 200
NCHRP 20-65/Task 77 - Lessons Learned and Impacts to Date of State DOT Implementation of New Federal Transit Asset Management and Public Transportation Agency Safety Requirements
NCHRP 20-65/Task 75 - Baseline Research on Allowable In-Kind and Local Match Sources
Report 944 - Guide to Calculating Ownership and Operating Costs of Department of Transportation Vehicles and Equipment: An Accounting Perspective
Report 939 - Guidebooks for Post-Award Contract Administration for Highway Projects Delivered Using Alternative Contracting Methods, Volume 1: Design–Build Delivery
Report 939 - Guidebooks for Post-Award Contract Administration for Highway Projects Delivered Using Alternative Contracting Methods, Volume 2: Construction Manager–General Contractor Delivery
Report 939 - Guidebooks for Post-Award Contract Administration for Highway Projects Delivered Using Alternative Contracting Methods, Volume 3: Research Overview
Report 931 - A Guide to Emergency Management at State Transportation Agencies
Report 930 - Security 101: A Physical and Cybersecurity Primer for Transportation Agencies
Report 923 - Workforce Optimization Workbook for Transportation Construction Projects
Report 921 - Case Studies in Cross-Asset, Multi-Objective Resource Allocation
Report 920 - Management and Use of Data for Transportation Performance Management: Guide for Practitioners
Report 917 - Right-Sizing Transportation Investments: A Guidebook for Planning and Programming
Report 913 - Compendium of Successful Practices, Strategies, and Resources in the U.S. DOT Disadvantaged Business Enterprise Program
Report 903 - Geotechnical Asset Management for Transportation Agencies, Volume 1: Research Overview
Report 902 - Benchmarking and Comparative Measurement for Effective Performance Management by Transportation Agencies
Report 889 - Performance Measures in Snow and Ice Control Operations
Report 750 - Strategic Issues Facing Transportation, Volume 7: Preservation, Maintenance, and Renewal of Highway Infrastructure
Synthesis 556 - Asset Management Approaches to Identifying and Evaluating Assets Damaged Due to Emergency Events
Synthesis 543 - Transportation Workforce Planning and Development Strategies
Synthesis 542 - Prioritization of Freight Investment Projects
 Synthesis 148 - Business Models for Mobile Fare Apps
 Synthesis 147 - Attracting, Retaining, and Advancing Women in Transit
Synthesis 143 - Managing the Transit Scheduling Workforce
Synthesis 142 - Implementing the U.S. DOT Reasonable Modification Rule
Synthesis 141 - Microtransit or General Public Demand–Response Transit Services: State of the Practice
Synthesis 140 - Comprehensive Bus Network Redesigns
Synthesis 139 - Transit Service Evaluation Standards
Synthesis 138 - Public Transit Rider Origin–Destination Survey Methods and Technologies

• Special Reports
  • Report 333 - Toward New Naval Platforms: A Strategic View of the Future of Naval Engineering

• Transit Cooperative Research Program (TCRP)
  • Letter Report - Transit Research Analysis Committee, April 22, 2019
  • Report 213 - Data Sharing Guidance for Public Transit Agencies – Now and in the Future
  • Report 208 - Strategic Communications Toolkit to Improve Support for Transit-Priority Projects
  • Synthesis 148 - Business Models for Mobile Fare Apps
  • Synthesis 147 - Attracting, Retaining, and Advancing Women in Transit
  • Synthesis 143 - Managing the Transit Scheduling Workforce
  • Synthesis 142 - Implementing the U.S. DOT Reasonable Modification Rule
  • Synthesis 141 - Microtransit or General Public Demand–Response Transit Services: State of the Practice
  • Synthesis 140 - Comprehensive Bus Network Redesigns
  • Synthesis 139 - Transit Service Evaluation Standards
  • Synthesis 138 - Public Transit Rider Origin–Destination Survey Methods and Technologies
• Transportation Research Circulars
  o E-Circular 263 - Conference on Performance and Data in Transportation Decision Making
  o E-Circular 255 - Forum on Preparing for Automated Vehicles and Shared Mobility: Mini-Workshop on the Roles of Government and the Private Sector, July 15, 2019, Orlando, Florida

Current & Upcoming Projects

• Current Projects
  o ACRP 01-39 - Creative Marketing Techniques to Improve Revenue Generation Partnerships
  o ACRP 01-40 - Evaluating the Traveler's Perspective to Improve the Airport Customer Experience
  o ACRP 01-42 - Guidance for Evaluating Airport Governance Structures
  o ACRP 03-46 - Implementing Airport Privatization: Guidance for Airport Decision Makers
  o ACRP 03-52 - Guidelines for Adapting and Managing Airport Common Use Programs
  o ACRP 04-23 - Social Media Guidebook for Emergency Management
  o ACRP 06-05 - Guidance for Diversity in Airport Businesses Contracting and Workforce Programs
  o ACRP 06-06 - Cultivating Talent in the Airport Environment
  o ACRP 11-01/Topic 10-03 - Legal Issues Relating to Airport Commercial Contracts
  o ACRP 11-02/Task 35 - Research Roadmap on Administration & Human Resource Issues
  o ACRP Synthesis 11-03/Topic S06-06 - Airport Workforce Programs Supporting Employee Well-being
  o ACRP Synthesis 11-03/Topic S10-16 - Airport Operations Training at Small Airports
  o BTS SCP BTS-01 - Guidance for Employer-Based Behavioral Traffic Safety Programs for Drivers in the Workplace
  o BTS SCP BTS-02 - Guide for Behavioral Traffic Safety Messaging on Variable Message Signs
  o NCHRP 02-27 - Making Targets Matter: Managing Performance to Enhance Decision-Making
  o NCHRP 03-128 - Business Intelligence Techniques for Transportation Agency Decision Making
  o NCHRP 08-113 - Integrating Effective Transportation Performance, Risk, and Asset Management Practices
  o NCHRP 08-114 - Systematic Approach for Determining Construction Contract Time: A Guidebook
  o NCHRP 08-115 - Guidebook for Data and Information Systems for Transportation Asset Management
  o NCHRP 10-99 - Guidebook for Implementing Constructability Across the Entire Project Development Process: NEPA to Final Design
  o NCHRP 13-06A - Guide for the Formulation of Long-Range Plans and Budgets for Replacement of Highway Operations Equipment
  o NCHRP 19-17 - Federal Funding Flexibility: Use of Federal Aid Highway Fund Transfers by State DOTs
  o NCHRP 20-07/Task 407 - Utility Coordination Efficiency, Safety, Cost, and Schedule Impacts using various Contracting Methods
  o NCHRP 20-24(128) - State-of-the-Art Review of Cooperative Automated Transportation (CAT) Systems
  o NCHRP 20-44(02) - Implementation of the AASHTO Guide for Enterprise Risk Management
  o NCHRP 20-65/Task 79 - Program Management Insights for the 5310 Program (Including Sub-Grantee Consolidation and Urban 5310)
  o NCHRP 20-65/Task 80 - Capacity Building Options for DOT Transit Staff
  o 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
  o NCHRP Synthesis 20-05/Topic 50-09 - Performance Based Pavement Warranty Practices
  o NCHRP Synthesis 20-05/Topic 51-19 - Performance Metrics for Public-Private Partnership
  o NCHRP Synthesis 20-05/Topic 51-17 - Practices for Closing Out Highway Projects from Substantial Completion to Final Payment
  o TCRP F-27 - Characteristics and Elements of Non-Punitive Employee Safety Reporting Systems for Public Transportation
  o TCRP H-57 - Guide to Joint Development for Public Transportation Agencies
  o TCRP I-05/Topic 18-04 - Joint Development Agreements Using FTA Funds or FTA-Funded Assets
  o TCRP Synthesis I-07/Topic SB-32 - Use of Agency Trip Agreements in ADA Paratransit Service Delivery

• Upcoming Projects
  o ACRP 01-45 - Selecting, Procuring, and Implementing Airport Capital Project Delivery Methods
  o ACRP 01-47 - A Guide to Developing a Culture of Innovation at Airports
  o ACRP 03-53 - Airport Baggage Handling System Decision-Making Based on Total Cost of Ownership
  o ACRP Synthesis 11-03/Topic S01-23 - Procuring Software Solutions at Airports
  o NCHRP 08-148 - Utility Abandonment, Out of Service Plant, and Decommissioning without Removal on Public Right of Way
  o NCHRP 15-70 - Valuation and Compensation for Accommodating Utility and Communications Installations in Public Rights of Way
  o NCHRP 20-06/Topic 25-03 - Managing Enhanced Risk in the Mega Project Era
The Legal Issues Associated with Consequential Damages Provisions in Construction Contracts
- NCHRP 20-06/Topic 25-05
- NCHRP 20-06/Topic 25-06 - Legal Aspects of Best-Value Procurement for Highway Construction
- NCHRP 20-102(28) - Preparing Transportation Agencies for Connected and Automated Vehicles in Work Zones
- 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 23-04 - 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 23-17 - Assessing and Measuring the Business Value of Knowledge Management
- NCHRP Synthesis 20-05/Topic 52-06 - Agency Inspection and Monitoring of Quality Control Plans for Use in 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
- TCRP I-05/Topic 19-04 - Transit Sponsor and Contractor Delay Damages and Remedies Due to Third Parties - Transit Facility Improvements-Common Legal Issues and Solutions
- TRB/AAMVA 19-01 - RFQ: Demographic and Technological Trends Impacting the DMV of the Future

Reports from the National Academies Press on Administration & Management
- 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
- Performance Management and Financing of Facility Engineering Programs at the Veterans Health Administration

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
- AIE10 – Strategic Management
- AIE15 – Workforce Development and Organizational Excellence
- AIE20 – Performance Measurement
- AIE30 – 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.)

2020 International Conference on Winter Maintenance and Surface Transportation Weather and Winter Maintenance National Peer Exchange
Webinars – View upcoming webinars, suggest a webinar or add registration information

Past Webinars

- Administration and Management

TRB’s Transportation Research Information Services (TRIS)

TRIS includes the TRB Library and the TRIS Databases (listed below) which are available for 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

- 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 I (202) 334-2989