

TRB TRANSPORTATION RESEARCH BOARD

TRB Snap Search: Capital Investments

TRB's involvement in research on Capital Investments from 2021-2023

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 Capital Investments within the past two years.

Specialty Report

- [Critical Issues in Transportation for 2024 and Beyond](#)
- [Critical Issues in Transportation 2019](#)
- [COVID-19 Addendum to Critical Issues in Transportation](#)
- [Racial Equity Addendum to Critical Issues in Transportation](#)

Recent Reports & Publications

- [Airport Cooperative Research Program \(ACRP\)](#)
 - [Report 251](#) - Digital Marketing to Enhance Customer Experience and Increase Airport Revenue
 - [Report 237](#) - Primer and Framework for Considering an Airport Noise and Operations Monitoring System
 - [Report 227](#) - Evaluating and Implementing Airport Privatization and Public-Private Partnerships
 - [Synthesis 131](#) - State of Airport Loyalty Programs
 - [Synthesis 123](#) - State Aviation Funding: Project Prioritization and Selection Processes
 - [Web-Only Document 58](#) - How New Corporate Environmental Standards Will Impact Airports
- [National Cooperative Highway Research Program \(NCHRP\)](#)
 - [NCHRP 20-44\(22\)](#) - Right Sizing Transportation Investments
 - [NCHRP 20-24\(137\)](#) - Assessing and Communicating the Economic and Quality of Life Benefits of Transportation Infrastructure Investments: Message Testing
 - [Legal Research Digest 84](#) - Fix It, Sign It or Close It: State of Good Repair in an Era of Budget Constraints
 - [Report 1079](#) - Shared-Risk Insurance Pools for Transit Agencies: A Guide
 - [Report 1076](#) - A Guide to Incorporating Maintenance Costs into a Transportation Asset Management Plan
 - [Report 1051](#) - Preparing Transportation Agencies for Connected and Automated Vehicles in Work Zones
 - [Report 1041](#) - Nondestructive Evaluation of Highway System Asset Foundational Condition and Capability
 - [Report 1023](#) - Federal Funding Flexibility: Use of Federal Aid Highway Fund Transfers by State DOTs
 - [Report 1016](#) - Design Guidelines for Mitigating Collisions with Trees and Utility Poles
 - [Report 1004](#) - Federal Funding Uncertainty in State, Local, and Regional Departments of Transportation: Impacts, Responses, and Adaptations
 - [Report 996](#) - Selection and Placement Guidelines for Test Level 2 Through Test Level 5 Median Barriers
 - [Report 993](#) - Managing Performance to Enhance Decision-Making: Making Targets Matter
 - [Synthesis 605](#) - Electric Vehicle Charging: Strategies and Programs
 - [Synthesis 596](#) - Measuring Investments in Active Transportation When Accomplished as Part of Other Projects
 - [Synthesis 563](#) - Performance Metrics for Public-Private Partnerships

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- [Web-Only Document 380](#) - Accessing America's Great Outdoors: Forecasting Recreational Travel Demand
- [Web-Only Document 374](#) - Developing a Guide to Shared-Risk Insurance Pools for Transit Agencies: Conduct of Research Report
- [Web-Only Document 317](#) - Developing a Guide for Managing Performance to Enhance Decision-Making
- [Web-Only Document 301](#) - Development of Guidelines for Quantifying Benefits of Traffic Incident Management Strategies
- [Web-Only Document 296](#) - Guidelines for Cost-Effective Safety Treatments of Roadside Ditches
- [Web-Only Document 244](#) - Developing Guidelines for Integrating Safety and Cost-Effectiveness into Resurfacing, Restoration, and Rehabilitation (3R) Projects
- [Transit Cooperative Research Program \(TCRP\)](#)
 - [Legal Research Digest 57](#) - Fix It, Sign It or Close It: State of Good Repair in an Era of Budget Constraints
 - [Report 237](#) - Free Transit Evaluation Framework
 - [Report 227](#) - Prioritization of Public Transportation Investments: A Guide for Decision-Makers
 - [Report 222](#) - Analysis of Green Bond Financing in the Public Transportation Industry
 - [Synthesis 162](#) - Coordination of Public Transit Services and Investments with Affordable Housing Policies
- [Transportation Research E-Circulars](#)
 - [E-Circular 266](#) - Transportation Asset Management in a COVID-19 World
 - [E-Circular 263](#) - Conference on Performance and Data in Transportation Decision Making

Recently Completed Reports/Pending Publication

- [NCHRP 20-125](#) - Strategies for Incorporating Resilience into Transportation Networks
- [NCHRP 20-127](#) - Business Case and Communications Strategies for State DOT Resilience Efforts
- [NCHRP Synthesis 20-05/Topic 53-01](#) - Practices to Promote Equity in Transportation Funding

Current & Upcoming Projects

- [Current Projects](#)
 - [ACRP 01-52](#) - Strategic Futuring of Airports and their Role in the U.S. Airport System
 - [ACRP 01-56](#) - Revenue and Financing Alternatives for Medium and Small U.S. Airports in an Evolving Aviation Landscape
 - [ACRP 03-60](#) - Incorporating Shock Events into Aviation Demand Forecasting and Airport Planning
 - [ACRP 03-71](#) - Guidelines for Planning for Future Growth of Electric Vehicles at Airports
 - [ACRP 11-08\(21-01\)](#) - ACRP Insight Event--Future of Airport Finances
 - [NCHRP 05-25](#) - Guide to the Contextual Application of Overhead Lighting on Highways
 - [NCHRP 08-136](#) - Guidebook on Using Performance-Based Management Approaches for Maintenance
 - [NCHRP 08-146](#) - Integrating Resiliency into Transportation System Operations
 - [NCHRP 08-172](#) - Benefit Analysis of Private Health Sector Investments in Non-Emergency Medical Transportation
 - [NCHRP 15-80](#) - Design Guide and Standards for Infrastructure Resilience
 - [NCHRP 19-19](#) - Sustaining Zero-Fare Public Transit in a Post COVID-19 World: A Guide for State DOTs
 - [NCHRP 19-20](#) - Interdependence of Federal, State, and Local Transportation Funding and Ownership
 - [NCHRP 23-20](#) - Guidebook for Implementation of UAS Operational Capabilities
 - [NCHRP Synthesis 20-05/Topic 54-02](#) - Outsourcing Post-Construction Stormwater Best Management Practice Inspection and Maintenance Activities
 - [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 54-17](#) - State DOT Innovation Programs and Practices
 - [NCHRP Synthesis 20-05/Topic 54-21](#) - Practices in the Transportation Planning Process to Address Climate Resilience and GHG Emission Quantification and Reduction
 - [TCRP H-59](#) - Racial Equity, Black America, and Public Transportation
 - [TCRP H-62](#) - Innovations for Equitable Rural Transit Economic Benefit Analyses
- [Upcoming Projects](#)
 - [ACRP 03-63](#) - Modernizing Air Cargo Operations in U.S. Airports
 - [ACRP 04-33](#) - Guide for Measuring Financial Benefits of Airport Safety Management Systems
 - [NCHRP 08-150](#) - Tools to Integrate Equity into Active Transportation and Safety Investments

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- [NCHRP 08-160](#) - Guide to Identify and Mitigate the Negative Effects of Gentrification Caused by Transportation Investment
- [NCHRP 08-170](#) - Closing the Loop: Post-Implementation Evaluation of Transportation Projects
- [NCHRP 08-184](#) - Induced Demand Assessment Framework: A Guide
- [NCHRP 19-21](#) - Selecting Revenue Models for Electric Vehicle Charging
- [NCHRP 20-24\(146\)](#) - Guide to Supporting and Sustaining Transportation Grant Programs for Local Governments and Tribes
- [NCHRP 20-24\(147\)](#) - Identify Best Practices for Automated Driving Systems and Other Emerging Technologies
- [NCHRP 20-102\(33\)](#) - Safety of Vulnerable Road Users in a C/AV Future
- [TCRP J-11/Task 50](#) - Transit Governance and Funding Models

Reports from the [National Academies Press](#) on Capital Investments

- [Equitable and Resilient Infrastructure Investment](#)
- [Innovation, Global Value Chains, and Globalization Measurement](#)
- [Investing in Resilient Infrastructure in the Gulf of Mexico](#)
- [Strengthening U.S. Air Force Human Capital Management](#)
- [Reorienting Health Care and Business Sector Investment Priorities Toward Health and Well-Being](#)

Committees & Panels

[Sign-up to be a committee "Friend"](#)

[TRB Standing Committees](#) – Search by transportation mode and committee topic

- [AJE50](#) – Economics and Finance
- [AJE70](#) – Data for Decision Making
- [AJL10](#) – General Law
- [AKR20](#) - Roadside Maintenance Operations
- [AME80](#) - Community Resources and Impacts
- [AMR40](#) - Systems, Enterprise, and Cyber Resilience
- [AR040](#) - Freight Rail Transportation
- [AV040](#) - Aviation Economics and Forecasting

[Task Forces](#) - Search for *task force* under committee here

Panels

- [DA0154](#) - Update to ACRP Report 49: Collaborative Airport Capital Planning Handbook
- [D08132](#) - Accessing America's Great Outdoors: Understanding Recreational Travel Patterns, Demand, and Future Investment Needs for Transportation Systems
- [D08150](#) - Valuation of Transportation Equity in Active Transportation and Safety Investments
- [D08160](#) - Understand the Role of Transportation Infrastructure Investment in Gentrification and Displacement and Identify Effective Policies and Strategies to Address These Effects
- [D08172](#) - Benefit Analysis of Private Health Sector Investments in Public/Human Transportation
- [D08184](#) - Framework for Assessing Induced Demand Effects of Various Roadway Investments
- [SN4807](#) - Investment Prioritization Methods for Low Volume Roads
- [SN4901](#) - Synthesis of Prioritization of Freight Investment Projects
- [SN4913](#) - Synthesis of Leveraging Private Capital for Infrastructure Renewal
- [SN5408](#) - Practices for Integrating Performance-Based Plans with Long-Range Transportation Plans and Statewide Transportation Investment Programs

Councils

- [A001C](#) – Young Members Coordinating Council

Recent and Upcoming Events

[Upcoming TRB Conferences](#) – Use left hand menu to filter events

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[Measuring Supply Chain Performance: Metrics, Data, and Policy Perspectives](#)

April 12-13, 2023

Washington, D.C

[National Conference on Transportation Asset Management](#)

July 8-11, 2023

Boston, MA

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**