TRB Snap Search: Capital Investments

TRB's involvement in research on Capital Investments from 2018-2020

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

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.

Recent Reports & Publications

- **Airport Cooperative Research Program (ACRP)**
  - Report 208 - Benefit–Cost Analyses Guidebook for Airport Stormwater
  - Synthesis 94 - Attracting Investment at General Aviation Airports Through Public–Private Partnerships

- **Conference Proceedings**
  - Proceedings on the Web 25 - Proceedings of the 12th National Conference on Transportation Asset Management
  - Proceedings on the Web 23 - Economic and Social Sustainability at Airports

- **National Cooperative Highway Research Program (NCHRP)**
  - Report 873 - Guidebook to Funding Transportation Through Land Value Return and Recycling
  - Synthesis 542 - Prioritization of Freight Investment Projects
  - Synthesis 540 - Leveraging Private Capital for Infrastructure Renewal
  - Synthesis 529 - How Transportation Agencies Assess the Value of Added Capacity Highway Projects Versus Other Modal Projects and Strategies
  - Synthesis 521 - Investment Prioritization Methods for Low-Volume Roads

- **Policy Studies**
  - Special Report 329 - Renewing the National Commitment to the Interstate Highway System: A Foundation for the Future

- **Transit Cooperative Research Program (TCRP)**
  - Report 205 - Social and Economic Sustainability Performance Measures for Public Transportation
  - Report 197 - Tools for a Sustainable Transit Agency

- **Transportation Research E-Circulars**
  - E-Circular 231 - U.S. Department of Transportation's Mobility on Demand Initiative

Current & Upcoming Projects

Updated on 11/26/2019
• **Current Projects**
  - ACRP 01-37 - Performance Measures for State Aviation Agencies
  - ACRP 06-05 - Guidance for Diversity in Airport Businesses Contracting and Workforce Programs
  - NCHRP 08-124 - Quantifying the Impacts of Corridor Management
  - NCHRP 19-16 - Federal Funding Uncertainty in State, Local and Regional Departments of Transportation: Impacts, Responses and Adaptation
  - NCHRP 20-44(22) - Right Sizing Transportation Investments
  - 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 25-47 - How to Measure and Communicate the Value of Access Management
  - NCHRP 25-59 - Pollinator Habitat Conservation Along Roadways
  - NCHRP IDEA 20-30/IDEA 211 - Reducing Stormwater Runoff and Pollutant Loading with Biochar Addition to Highway Greenways

• **Upcoming Projects**
  - ACRP 02-89 - Industry Survey--Benefits and Costs for Airport Noise And Operations Monitoring Systems
  - NCHRP 08-132 - Accessing America’s Great Outdoors: Understanding Recreational Travel Patterns, Demand, and Future Investment Needs for Transportation Systems
  - NCHRP 17-95 - Crash Modification Factors (CMFs) for Intelligent Transportation System (ITS) Applications
  - NCHRP 19-17 - Federal Funding Flexibility: Use of Federal Aid Highway Fund Transfers by State DOTs
  - NCHRP 20-102(25) - Readiness and Effectiveness of Freeway-Based Corridor V2X Applications for Improving Congestion and Safety
  - NCHRP 20-102(26) - Dynamic Curbside Management in the Era of CAVs, SAVs, Scooters, Transportation Network Companies (TNCs), and Traditional Vehicles
  - NCHRP 20-102(28) - Best Practices in Work Zones for AVs and CVs
  - NCHRP 20-125 - Strategies for Incorporating Resilience into Transportation Networks
  - NCHRP 20-127 - Development of Business Case and Communication Strategies for a State DOT Resilience Program
  - NCHRP 23-06 - Developing an AASHTO Guide to System-Level Asset Valuation in Support of Transportation Asset Management Decision Making
  - NCHRP 23-08 - Guidelines for Incorporating Maintenance Costs into a Transportation Asset Management Plan
  - TCRP J11/Task 37 - Transit and Micro-Mobility (Bikeshare, Scooter-share, etc.)

Reports from the [National Academies Press](https://www.nap.edu) on Capital Investments

- Strategic Investments in Instrumentation and Facilities for Extraterrestrial Sample Curation and Analysis
- Managing the NIH Bethesda Campus Capital Assets for Success in a Highly Competitive Global Biomedical Research Environment
- The Role of State Governments in Economic Development and R&D Competitiveness
- Beyond Patents: Assessing the Value and Impact of Research Investments
- Returns to Federal Investments in the Innovation System

**Committees & Panels**

**Sign-up to be a committee "Friend"**

**TRB Standing Committees** – Search by transportation mode and committee topic

- ABE10 - Revenue and Finance
- ABE20 - Transportation Economics
- ADA50 - Transportation Programming and Investment Decision-Making
- ADD00 - Social, Economic, and Cultural Issues
- ADD10 - Transportation and Economic Development
- ADD20 - Social and Economic Factors of Transportation
- AT010 - Freight Transportation Economics and Regulation
- AV040 - Aviation Economics and Forecasting
- DA11081602 - Critical Issues in the Airport Industry: Workshop #2--Economic and Social Sustainability

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

- ABI55T - Data Privacy, Security and Protection Policy
Panels
- D1914 - Methods for Identifying and Evaluating Transportation Investment Right-Sizing Scenarios
- D2422 - Economical and Performance Optimization for Using Wider Range of Backfill Materials for Retaining Wall Structures
- DA0338 - Economic Impacts of U.S. Airports
- SN4807 - Investment Prioritization Methods for Low Volume Roads
- SN4901 - Synthesis of Prioritization of Freight Investment Projects
- TE12 - Guidance for Quantifying the Return on Investment of Transit State of Good Repair Investments
- TH42 - Evaluation of Warrants for Major Capital Investment Projects: An Update of ‘Urban Rail in America’
- TH50 - Local Economic Development Measurement Tool for Transit

Councills
- A0040T – Young Member Council

Recent and Upcoming Events

Upcoming Conferences - Left hand menu “upcoming conferences by topic”
(Conferences cosponsored by TRB are denoted with an asterisk)

- 5th Conference of Transportation Research Group of India (CTRG)*
  December 18-21, 2019
  Bhopal, Madhya Pradesh, India

- 13th National Conference on Transportation Asset Management
  July 11-14, 2020
  Boston, Massachusetts

- ITS World Congress 2020*
  October 4-8, 2020
  Los Angeles, California

Webinars – View upcoming webinars, suggest a webinar or add registration information

Past Webinars
- Emerging Issues in Transportation Project Finance – November 18, 2019
- Practices and Marketing to Increase Rural Transit Ridership and Investment – August 27, 2019
- Traffic Bottleneck Identification and Solutions – February 19, 2019
- Assessing the Value of Added Highway Capacity Projects - January 23, 2019
- Continuous Access Priced Managed Lanes – What Have We Learned So Far? - September 20, 2018
- Passenger Value of Time, BCA, and Airport Capital Investment Decisions - September 13, 2018
- Beyond Volume: Investment Prioritization Methods for Low-Volume Roads – August 29, 2018
- Return on Investment in Asset Management Systems and Process Improvements – May 7, 2018

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 1 (202) 334-2989