TRB Snap Search: Asset Management

TRB's involvement in research on Asset Management 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](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 Asset Management 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

- CRP Special Releases
  - Report 4 - Lifecycle Building Information Modeling for Infrastructure: A Business Case for Project Delivery and Asset Management

- National Cooperative Highway Research Program (NCHRP)
  - NCHRP 20-102(15) - Impacts of Connected and Automated Vehicle Technologies on the Highway Infrastructure
  - NCHRP 20-123(01) - Transportation Asset Management Strategic Planning and Research Roadmap Development
  - Legal Research Digest 84 - Fix It, Sign It or Close It: State of Good Repair in an Era of Budget Constraints
  - Report 1066 - Risk Assessment Techniques for Transportation Asset Management
  - Report 985 - Integrating Effective Transportation Performance, Risk, and Asset Management Practices
  - 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
  - Web-Only Document 335 - A Guide to Computation and Use of System-Level Valuation of Transportation Assets

- 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

- Transportation Research Circulars
  - E-Circular 277 - 13th National Conference on Transportation Asset Management

Current & Upcoming Projects

- Current Projects
  - ACRP 09-20 - Quantifying the Impacts of Delayed Maintenance of Airport Assets
  - ACRP 09-21 - Asset Information Handover Guidelines: From Planning and Construction to O&M
- NCHRP 02-26 - Implementation of Life-Cycle Planning Analysis in a Transportation Asset Management Framework
- NCHRP 03-140 - Guidelines for Applications of RFID and Wireless Technologies in Highway Construction and Asset Management
- NCHRP 03-144 - Leveraging Existing Traffic Signal Assets to Obtain Quality Traffic Counts and Enhance Transportation Monitoring Programs
- NCHRP 08-137 - Updates to the Digital Edition of the AASHTO Transportation Asset Management Guide
- NCHRP 13-09 - Maximizing Proceeds from the Fleet Asset Disposal Sales Process
- NCHRP 14-42 - Determining the Impact of Connected and Automated Vehicle Technology on State DOT Maintenance Programs
- NCHRP 14-47 - Tools and Technology for Roadside Landscape Asset Management
- NCHRP 20-50(21) - Enhancements of Climatic Inputs and Related Models for Pavement ME Using LTPP Climate Tool (MERRA-2)
- NCHRP 23-08 - A Guide for Incorporating Maintenance Costs into a Transportation Asset Management Plan
- NCHRP 23-24 - Methods to Allow Agencies to Incorporate Quantitative Risk Assessment at Project and Network Level
- NCHRP Synthesis 20-05/Topic 54-06 - Ancillary Asset Data Stewardship and Data Models
- 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 54-18 - Wintertime Pavement Maintenance Practices

- Upcoming Projects
  - NCHRP 08-138 - Guide to the Integration of Transportation Systems Management and Operations into Transportation Asset Management
  - NCHRP 08-169 - Valuing Diversity, Equity, and Inclusion in Transportation Asset Management
  - NCHRP 20-05/Topic 55-19 - Practices for Managing Selected Ancillary Transportation Assets
  - NCHRP 20-05/Topic 55-03 - Asset Management Practices for Mechanically Stabilized Earth Walls
  - NCHRP 20-44(46) - Implementing the Asset Valuation Guide Developed through NCHRP Project 23-06
  - NCHRP 23-32 - Transportation Asset Risk and Resilience
  - NCHRP 23-33 - Managed Retreat to Address Extreme Weather, Natural Hazards, and Climate Impacts
  - NCHRP Synthesis 20-05/Topic 55-17 - Practices to Enhance Resiliency of Existing Culverts
  - TCRP I-05/Topic 21-03 - Update of Selected Studies in Transportation Law, Volume 5, 2014 Supplement (Transit Law)

Reports from the National Academies Press on Asset Management
- Enhancing Urban Sustainability Infrastructure: Mathematical Approaches for Optimizing Investments
- Toward a 21st Century National Data Infrastructure: Mobilizing Information for the Common Good
- Effectiveness and Efficiency of Defense Environmental Cleanup Activities of the Department of Energy’s Office of Environmental Management: Report 2
- Service Life Assessment and Predictive Modeling for an Aging Critical Infrastructure
- Effectiveness and Efficiency of Defense Environmental Cleanup Activities of DOE’s Office of Environmental Management
- Transparency in Statistical Information for the National Center for Science and Engineering Statistics and All Federal Statistical Agencies
- Global Change Research Needs and Opportunities for 2022-2031
- 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
- AEP20 - Transportation Needs of National Parks and Public Lands
- AJE30 - Transportation Asset Management
- AKG60 - Geotechnical Instrumentation and Modeling
- AKR30 - Maintenance Fleet and Equipment
- AKT50 – Bridge and Structures Management
- B0162 - Review of Federal Highway Administration Infrastructure R&D – Expert Task Group on Bridges

Task Forces - Search for task force under committee here

CRP Panels
 Recent and Upcoming Events

Upcoming TRB Conferences – Use left hand menu to filter events

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 Program or the Marine Board

Contact or Questions: TRBLibrary@nas.edu