

TRB TRANSPORTATION RESEARCH BOARD

TRB Snap Search: Asset Management

TRB's involvement in research on Asset Management from 2020-2022

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 Asset Management within the past two years.

Specialty Report

- [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 214](#) - BIM Beyond Design Guidebook
- [National Cooperative Highway Research Program \(NCHRP\)](#)
 - [Legal Research Digest 84](#) - Fix It, Sign It or Close It: State of Good Repair in an Era of Budget Constraints
 - [Report 985](#) - Integrating Effective Transportation Performance, Risk, and Asset Management Practices
 - [Report 956](#) - Guidebook for Data and Information Systems for Transportation Asset Management
 - [Report 938](#) - Incorporating the Costs and Benefits of Adaptation Measures in Preparation for Extreme Weather Events and Climate Change—Guidebook
 - [Report 930](#) - Update of Security 101: A Physical Security and Cybersecurity Primer for Transportation Agencies
 - [Report 921](#) - Case Studies in Cross-Asset, Multi-Objective Resource Allocation
 - [Report 917](#) - Right-Sizing Transportation Investments: A Guidebook for Planning and Programming
 - [Synthesis 577](#) - Collaborative Practices for Performance-Based Asset Management Between State DOTs and MPOs
 - [Synthesis 556](#) - Asset Management Approaches to Identifying and Evaluating Assets Damaged Due to Emergency Events
- [Special Reports](#)
 - [Report 340](#) - Investing in Transportation Resilience: A Framework for Informed Choices
- [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
 - [Synthesis 151](#) - Maintenance Planning for Rail Asset Management—Current Practices
- [Transportation Research Circulars](#)
 - [E-Circular 266](#) - Transportation Asset Management in a COVID-19 World
 - [E-Circular 265](#) - Transportation Resilience 2019: 2nd International Conference on Resilience to Natural Hazards and Extreme Weather

Current & Upcoming Projects

- [Current Projects](#)
 - [ACRP 03-57](#) - A Guidebook to Prepare Airports for Transformations in Wireless Connectivity
 - [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 02-27](#) - Making Targets Matter: Managing Performance to Enhance Decision-Making
 - [NCHRP 03-140](#) - Guidelines for Applications of RFID and Wireless Technologies in Highway Construction and Asset Management
 - [NCHRP 08-118](#) - Risk Assessment Techniques for Transportation Asset Management
 - [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 14-42](#) - Determining the Impact of Connected and Automated Vehicle Technology on State DOT Maintenance Programs
 - [NCHRP 20-50\(21\)](#) - Enhancements of Climatic Inputs and Related Models for Pavement ME Using LTPP Climate Tool (MERRA-2)
 - [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
 - [NCHRP 20-126\(02\)](#) - State Transportation Agency Multifaceted Decision-Making for Future System Performance
 - [NCHRP 20-126\(03\)](#) - Advancing Practices of In Situ Nondestructive Evaluation of Highway System Asset Foundational Condition and Capability
 - [NCHRP 22-33](#) - Multi-State In-Service Performance Evaluations of Roadside Safety Hardware
 - [NCHRP 23-06](#) - A Guide to Computation and Use of System Level Valuation of Transportation Assets
 - [NCHRP 23-08](#) - A Guide for Incorporating Maintenance Costs into a Transportation Asset Management Plan
 - [NCHRP 23-09](#) - Scoping Study to Develop the Basis for a Highway Standard to Conduct an All-Hazards Risk and Resilience Analysis
 - [NCHRP Synthesis 20-05/Topic 52-02](#) - Current Practices in Bridge Asset Management Decision-Making
 - [NCHRP Synthesis 20-05/Topic 52-12](#) - Rehabilitation of Culverts and Buried Storm Drain Pipes
 - [NCHRP Synthesis 20-05/Topic 52-19](#) - Technological Capabilities of DOTs for Digital Project Management and Delivery
 - [TFRS TFRS-02](#) - Lifecycle BIM for Infrastructure: A Business Case for Project Delivery and Asset Management
- [Upcoming Projects](#)
 - [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 08-138](#) - Connecting Transportation Asset Management (TAM) and Transportation System and Management Operations (TSMO)
 - [NCHRP 14-47](#) - Tools and Technology for Roadside Landscape Asset Management
 - [NCHRP 23-24](#) - Develop Methods to Allow Agencies to Incorporate Quantitative Risk Assessment at Project and Network Level

Reports from the [National Academies Press](#) on Asset Management

- [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](#)
- [The Role of Advanced Technologies in Structural Engineering for More Resilient Communities](#)
- [Communications, Cyber Resilience, and the Future of the U.S. Electric Power System](#)
- [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

- [ABC99I](#) - Transportation Asset Management: 13th National Conference

- [AEP20](#) - Transportation Needs of National Parks and Public Lands
- [AJE30](#) - Transportation Asset Management
- [AKG60](#) - Geotechnical Instrumentation and Modeling
- [AKR30](#) - Maintenance Fleet and Equipment
- [B0156](#) - Review of Federal Highway Administration Infrastructure R&D
- [B0161](#) - Review of Federal Highway Administration Infrastructure R&D – Expert Task Group on Pavement

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

CRP Panels

- [D0226](#) - Implementation of Programmatic Life Cycle Cost Analysis in a Transportation Asset Management Framework
- [D08113](#) - Integrating Effective Transportation Performance, Risk, and Asset Management Practices
- [D08115](#) - Framework for Designing and Managing Data and Information Workflows for Transportation Assets
- [D08118](#) - Risk Assessment Techniques for Transportation Asset Management
- [D08137](#) - Further Enhancements and Content for the AASHTO Transportation Asset Management Guide—A Focus on Implementation
- [D08138](#) - Connecting Transportation Asset Management (TAM) and Transportation System and Management Operations (TSMO)
- [D1447](#) - Tools and Technology for Roadside Landscape Asset Management
- [D2012301](#) - Transportation Asset Management Strategic Planning and Research Roadmap Development
- [D2306](#) - Developing an AASHTO Guide to System-Level Asset Valuation in Support of Transportation Asset Management Decision Making
- [D2308](#) - Guidelines of Incorporating Maintenance Costs into a Transportation Asset Management Plan
- [DA0920](#) - Consequences of Delayed Maintenance of Airport Assets
- [DA0921](#) - Guidelines for the Effective Transition of Asset Data from Design/Construction to Operations and Maintenance
- [DTFRS02](#) - BIM for Infrastructure: Building the Business Case and Leveraging Asset Data
- [SN5105](#) - Collaborative Practices for Performance-Based Asset Management between State Transportation Agencies and Metropolitan Planning Organizations
- [SN5202](#) - Current Practices in Bridge Asset Management Decision-Making
- [STSE07](#) - Maintenance Planning for Rail Asset Management - Current Practices

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.)

[International Conference on Managing Pavement Assets \(ICMPA\)*](#)

June 7-10, 2022

Chicago, Illinois

[13th Access Management Conference](#)

Summer 2022

Online

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
- **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 Program or the Marine Board

Contact or Questions: TRBLibrary@nas.edu