TRB Snap Search: Asset Management

TRB’s involvement in research on Asset Management 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](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 Publications

- Critical Issues in Transportation 2019

Recent Reports & Publications

- [Airport Cooperative Research Program (ACRP)](http://www.trb.org/InformationServices/Snap.aspx)
  - Impacts on Practice - Building an Asset Management Framework at Cincinnati/Northern Kentucky International Airport
  - Web Resource 6 - Resources for Managing Small Airports

- Conference Proceedings
  - Proceedings on the Web 25 - Proceedings of the 12th National Conference on Transportation Asset Management

- [National Cooperative Highway Research Program (NCHRP)](http://www.trb.org/InformationServices/Snap.aspx)
  - 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
  - Report 917 - Right-Sizing Transportation Investments: A Guidebook for Planning and Programming
  - Report 903 - Geotechnical Asset Management for Transportation Agencies, Volume 1: Research Overview
  - Report 858 - Quantifying the Effects of Preservation Treatments on Pavement Performance
  - Synthesis 556 - Asset Management Approaches to Identifying and Evaluating Assets Damaged Due to Emergency Events
  - Synthesis 521 - Investment Prioritization Methods for Low-Volume Roads

- [Transit Cooperative Research Program (TCRP)](http://www.trb.org/InformationServices/Snap.aspx)
  - IDEA Report 90 - sUAS-based GeoINTEL1 for Commuter Rail Parking in Rural and Suburban Areas
  - Report 198 - The Relationship Between Transit Asset Condition and Service Quality

- [Transportation Research Circulars](http://www.trb.org/InformationServices/Snap.aspx)
  - E-Circular 228 - Rebuilding and Retrofitting the Transportation Infrastructure
Current & Upcoming Projects

- **Current Projects**
  - 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 08-113 - Integrating Effective Transportation Performance, Risk, and Asset Management Practices
  - NCHRP 08-115 - Guidebook for Data and Information Systems for Transportation 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 14-42 - Determining the Impact of Connected and Automated Vehicle Technology on State DOT Maintenance Programs
  - NCHRP 20-06/Topic 24-05 - Fix It, Sign It, or Close It: State of Good Repair in an Era of Budget Constraints
  - 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 22-33 - Multi-State In-Service Performance Evaluations of Roadside Safety Hardware
  - NCHRP Synthesis 20-05/Topic 51-05 - Collaborative Practices for Performance-Based Asset Management between State Transportation Agencies and Metropolitan Planning Organizations
  - TCRP 1-05/Topic 18-05 - Fix It, Sign It, or Close It: State of Good Repair in an Era of Budget Constraints
  - TFRS TFRS-02 - Lifecycle BIM for Infrastructure: A Business Case for Project Delivery and Asset Management

- **Upcoming 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 - Guidelines for the Effective Transition of Asset Data from Design/Construction to Operations and Maintenance
  - NCHRP 08-137 - Further Enhancements and Content for the AASHTO Transportation Asset Management Guide—A Focus on Implementation (TAM Guide III)
  - NCHRP 08-138 - Connecting Transportation Asset Management (TAM) and Transportation System and Management Operations (TSMO)
  - 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 52-12 - Rehabilitation of Culverts and Buried Storm Drain Pipes

Reports from the National Academies Press on Asset Management

- 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
- Managing the NIH Bethesda Campus Capital Assets for Success in a Highly Competitive Global Biomedical Research Environment
- Climate Communications Initiative Strategic Plan
- The Human Factors of Process Safety and Worker Empowerment in the Offshore Oil Industry

Committees & Panels

Sign-up to be a committee "Friend"

TRB Standing Committees – Search by transportation mode and committee topic

- ABC99I - 12th National Conference on Transportation Asset Management
- ABC99J - 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
- **B0162** - Review of Federal Highway Administration Infrastructure R&D – Expert Task Group on Bridges
- **B0168** - Coast Guard Maritime Domain Awareness

**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
- **D08109** - Updating the AASHTO Transportation Asset Management Guide—A Focus on Implementation
- **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)
- **D1912** - Development of Financial Plans and Performance Measures for Transportation Asset Management
- **D2012301** - Transportation Asset Management Strategic Planning and Research Roadmap Development
- **D2074** - Developing an Asset Management Plan for the Interstate Highway System
- **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
- **DTPFRS02** - 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

**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 6-9, 2021*
  Chicago, Illinois

- **13th National Conference on Transportation Asset Management**
  *August 7-10, 2021*
  Boston, Massachusetts

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

**Past Webinars**
- **Guide for Transportation Performance Management and Data** – March 30, 2020
- **Right-Sizing Transportation Investments** – March 11, 2020
- **Emergency Events and Their Damage to Assets** – February 27, 2020
- **Digitize Your Checklists -- Computerized Airport Maintenance Management** – February 26, 2019
- **Current and Evolving Practices in Asset Management for Highway Agencies** – August 7, 2018
- **Organizational Change for Performance and Asset Management** – May 22, 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](http://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](http://pubsindex.trb.org)

**Research in Progress (RiP) Database** – Current or recently completed transportation research projects - [rip.trb.org](http://rip.trb.org)

**Research Needs Statements (RNS)** – Research needs as identified by TRB Technical Activities standing committees - [rns.trb.org](http://rns.trb.org)

Contact the Library at TRBLibrary@nas.edu or l (202) 334-2989