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

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)
  - 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)
  - Report 903 - Geotechnical Asset Management for Transportation Agencies, Volume 1: Research Overview
  - Report 858 - Quantifying the Effects of Preservation Treatments on Pavement Performance
  - Synthesis 521 - Investment Prioritization Methods for Low-Volume Roads

- Transit Cooperative Research Program (TCRP)
  - Report 198 - The Relationship Between Transit Asset Condition and Service Quality

- Transportation Research Circulars
  - 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

Updated 11/25/2019
Fix It, Sign It, or Close It: State of Good Repair in an Era of Budget Constraints

Performance Management Reporting Peer Exchange

Enhancements of Climatic Inputs and Related Models for Pavement ME Using LTPP Climate Tool (MERRA-2)

Lessons Learned and Impacts to Date of State DOT Implementation of New Federal Transit Asset Management and Public Transportation Agency Safety Requirements

Impacts of Connected and Automated Vehicle Technologies on the Highway Infrastructure

Asset Management Approaches to Identifying and Evaluating Assets Damaged Due to Emergency Events

Maintenance Planning for Rail Asset Management – Current Practices

Fix It, Sign It, or Close It: State of Good Repair in an Era of Budget Constraints

sUAS-Based GeoINTEL for Commuter Rail Parking in Rural and Suburban Areas

Upcoming Projects

Consequences of Delayed Maintenance of Airport Assets

Determining the Impact of Connected and Automated Vehicle Technology on State DOT Maintenance Programs

Multi-State In-Service Performance Evaluations of Roadside Safety Hardware

Developing an AASHTO Guide to System-Level Asset Valuation in Support of Transportation Asset Management Decision Making

Guidelines for Incorporating Maintenance Costs into a Transportation Asset Management Plan

Lifecycle BIM for Infrastructure: A Business Case for Project Delivery and Asset Management

Reports from the National Academies Press on Asset Management

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

Transportation Asset Management

12th National Conference on Transportation Asset Management

Transportation Asset Management: 13th National Conference

Transportation Needs of National Parks and Public Lands

Geotechnical Instrumentation and Modeling

Maintenance Equipment

Task Forces - Search for task force under committee here

CRP Panels

Implementation of Programmatic Life Cycle Cost Analysis in a Transportation Asset Management Framework

Updating the AASHTO Transportation Asset Management Guide—A Focus on Implementation

Integrating Effective Transportation Performance, Risk, and Asset Management Practices

Risk Assessment Techniques for Transportation Asset Management

Development of Financial Plans and Performance Measures for Transportation Asset Management

Estimating the Return on Investment in Transportation Asset Management Systems and Practices

Developing an Asset Management Plan for the Interstate Highway System

Development of an Implementation Manual for Geotechnical Asset Management

Councils

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.)

13th National Conference on Transportation Asset Management

July 11-14, 2020
Boston, Massachusetts

International Conference on Managing Pavement Assets (ICMPA)*
August 23-27, 2020
Chicago, Illinois

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

Past Webinars
- 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

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 - pubsindextrb.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 l (202) 334-2989