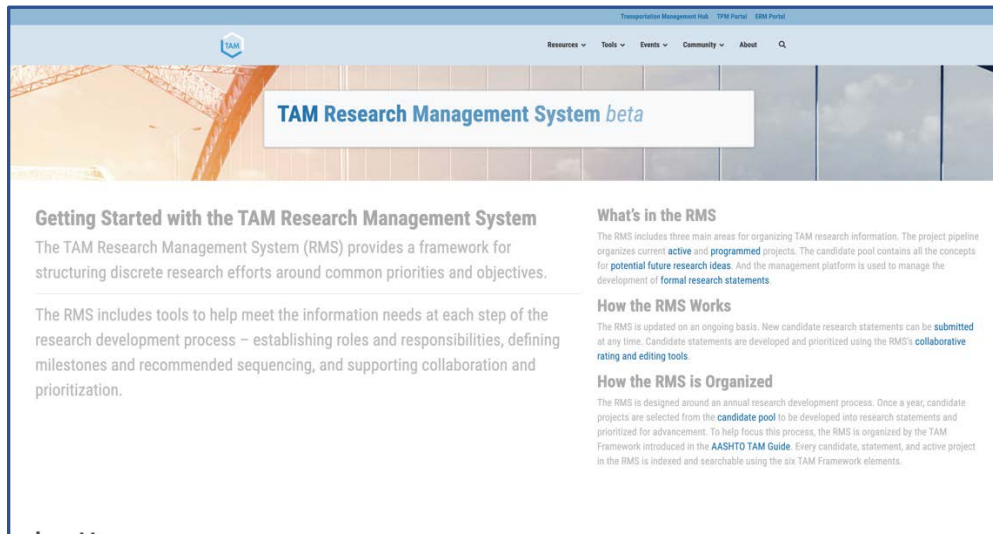


TAM Research Management System

Introductory Guide

This guide summarizes the primary ways for users to interact with the TAM Research Management System. The screenshots in this document serve as a guide for navigating the RMS.



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Site Users

There are three tiers of site users referenced in this guide:

- **Unregistered users.** These users can browse the RMS and make reports.
- **Registered users.** These users can leave comments on Research Candidates and Research Statements, and suggest new Research Candidates, in addition to all the capabilities of the unregistered user.
- **Administrative users.** Admins have a range of capabilities beyond those of standard users (*see Spotlight on Administrator Capabilities*)

Spotlight on Administrator Capabilities

The key capabilities of site administrators are described in this document. These include:

Add Research Statements directly to the system

- Admins can add new statements directly to the system, filling in all available information.
- Admins can see pending submissions from any user, and choose to add them to the system, edit them, or delete them

Edit and add information to Research Statements throughout the year

- Admins can use front-end forms to add more information about a Statement as the year progresses.

Rank a set of Research Statements under consideration

- Admins can add a numerical ranking to each Statement currently under consideration.
- These ranking are not binding, but rather serve as an aid to decision making

Advance Research Statements to be developed more robustly in future meetings

- At each step of the process, the admin can designate the set of Research Statements that will be discussed and developed further in the future.

Generate PDFs for Research Statement submittal in the format required by the Research and Innovation subcommittee

- Once the set of Research Statements has been narrowed to just those that will be submitted, admins will get a final opportunity to add and edit details.

Start a new research year, and connect existing candidates to the new year as Research Statements

- When Research Statements have been submitted, the admin can move the year forward
- The admin can peruse Research Candidates that are in the RMS but have not been submitted, and choose to advance them for consideration in the new year

Menu Navigation

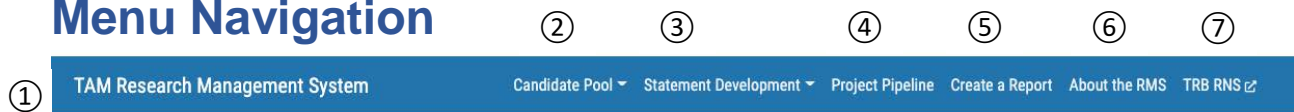


Figure 1. TAM RMS Menu

Main Menu

The RMS is navigated primarily through a persistent menu bar across the top of the screen.

① **Home link** TAM RMS link takes a user to the RMS homepage.

② **Candidate Pool Dropdown.** These links allow users to explore the current candidate pool and suggest new candidates to add to the RMS.

③ **Statement Development Dropdown.** Steps a user through the yearly development cycle. The year starts by using past projects and Candidate ideas as inspiration for the future projects. Once a list of ideas is created, the list is narrowed down over the course of four milestone meetings represented here by four Approval Steps.

④ **Project Pipeline.** A user can explore the active and programmed research projects.

⑤ **Create a Report.** A user can Create a Report of projects and candidates in the system.

⑥ **About the RMS.** A user can learn a bit about the RMS.

⑦ **TRB RNS.** We provide a link to the TRM RNS so users can see projects related to asset management currently in the Research Needs Statements database at TRB.

Candidate Pool

TAM Research Management System Candidate Pool Statement Development Project Pipeline Create a Report About the RMS TRB RMS

The page collects all research candidate statements that haven't yet been programmed as projects. In the left column, you can browse all the unprogrammed candidate statements, including statements from previous years. You can compare these to the right column, which highlights the year's research priorities, the current project pipeline, and completed research. Site administrators can select candidate statements for consideration in the next research year.

Keyword Search:

Show candidates related to:

☐ Asset Performance
 ☐ Information & Systems
 ☐ Monitoring & Adjustment
 ☐ Organization & People
 ☐ Resource Allocation
 ☐ TAM Strategy & Planning

Show candidates that will help:

☐ Develop Methods for TAM Before-and-After Assessments
 ☐ Integrate Risk Management, Performance Management, and Asset Management

Filter candidates by the candidates' timeline target:

☐ Short-Term
 ☐ Medium-Term
 ☐ Long-Term

Submit Reset

[User Login](#)
[User Registration](#)

Short-Term Research Candidate Statement

AI and Deterioration Modeling

Short-Term Research Candidate Statement

Application and Use of BIM to Support Data Governance Procedures for Transportation Agencies

Short-Term Research Candidate Statement

Best Practices of Linking Required Planning/Performance Documents/Processes

Short-Term Research Candidate Statement

Calculation of Maintenance Backlog

Short-Term Research Candidate Statement

Cost Comparison of Doing Work Early on Assets

Short-Term Research Candidate Statement

Data visualization platforms and tools for statewide asset inventory data analysis and management

Short-Term Research Candidate Statement

Developing a Robust Education, Training and Workforce Development Program for TAM and TPM

Short-Term Research Candidate Statement

Development of Asset Class Strategies to Address the Lifecycle Capital and O&M Needs of Assets

Short-Term Research Candidate Statement

Establish an All-Hazards Risk and Resilience Analysis Research Program to Develop a National Standard

Short-Term Research Candidate Statement

Guide to Promote the Use of Performance-Based Decision Making in Maintenance

Short-Term Research Candidate Statement

Impact of Incomplete/Missing Annual Pavement Condition Data and Proposed Mitigation Strategies

Short-Term Research Candidate Statement

Implementation of NCHRP 08-118: Risk Assessment Techniques for Transportation Asset Management

Long-Term Research Candidate Statement

Transportation Asset Management and Overall Transportation Management

Export Candidate Info to CSV

Project Pipeline

Main Menu

This view collects all newly entered, unranked Candidate Statements at the beginning of the year. It also collects Candidate Statements that were not chosen during the previous year.

① **Filter Sidebar.** Users can narrow down the number of Candidate Statements shown using the parametric filter on the sidebar.

② **Candidates.** The matching Candidate Statements are shown here.

③ **Project Pipeline.** A user can see the projects that are currently programmed and active by clicking the title to expand the card.

④ **User Login/Registration.** If a user is not already logged in, they can login here or register a new account.

⑤ **Export.** Any user can use this button to generate an Excel download of all the information for the set of Candidate Statements currently being considered.

RMS Snapshot

Research Candidate Statement

Keeping Inventory and Condition Data Up-to-Date

Funding: \$0 Timeframe:

Funding Source: Full NCHRP

Research Candidate Statement

Refinement and Evaluation of Policies, Procedures and Requirements Related to the National-Level Asset Management Performance Measures (PM2 Measures)

Funding: \$0 Timeframe:

Funding Source: Full NCHRP

Research Candidate Statement

Refinement and Evaluation of Policies, Procedures and Requirements Related to the National-Level Operational Performance Measures (PM3 Measures)

Funding: \$0 Timeframe:

Funding Source:

Research Candidate Statement

Establish an All-Hazards Risk and Resilience Analysis Research Program to Develop a National Standard

Funding: \$0 Timeframe:

Funding Source: Full NCHRP

Research Candidate Statement

Implementation of NCHRP 23-06: A Guide to Computation and Use of System Level Valuation of Transportation Assets

Funding: \$0 Timeframe:

Funding Source: Implementation

Research Candidate Statement

Developing a Robust Education, Training and Workforce Development Program for TAM and TPM

Funding: \$0 Timeframe:

Funding Source: Full NCHRP

Research Candidate Statement

Impact of Incomplete/Missing Annual Pavement Condition Data and Proposed Mitigation Strategies

Funding: \$0 Timeframe:

Funding Source:

Project Pipeline

Programmed Projects

Project

NCHRP 08-134 Guidance on Using Performance-Based Management Approaches for Maintenance

Funding: \$500,000 Start date: January 2021

Funding Source: Full End date: February 2022

NCHRP

Project

NCHRP 08-137 Further Enhancements and Content for the AASHTO Transportation Asset Management Guide

Funding: \$450,000 Start date: February 2021

Funding Source: Full End date: November 2020

NCHRP

Project

NCHRP 08-138 Connecting Transportation Asset Management (TAM) and Transportation System and Management Operations (TSMO)

Funding: \$500,000 Start date: February 2021

Funding Source: Full End date: January 2023

NCHRP

Project

ACRP 09-21 Guidelines for the Effective Transition of Asset Data from Design/Construction to Operations and Maintenance

Funding: \$400,000 Start date: April 2021

Funding Source: Other CRP

Active Projects

Project

NCHRP 14-42 Determining the Impact of Connected and Automated Vehicle Technology on State DOT Maintenance Programs

Funding: \$300,000 Start date: June 2019

Funding Source: Full End date: December 2020

NCHRP

Project

NCHRP Synthesis 20-05/Topic 51-05 Collaborative Practices for Performance-Based Asset Management between State Transportation Agencies and Metropolitan Planning Organizations

Funding: \$45,000 Start date: September 2019

Funding Source: Synthesis End date: December 2020

Project

NCHRP 08-113 Integrating Effective Transportation Performance, Risk, and Asset Management Practices

Funding: \$666,617 Start date: June 2018

Homepage

This page provides a snapshot of the current state of TAM research.

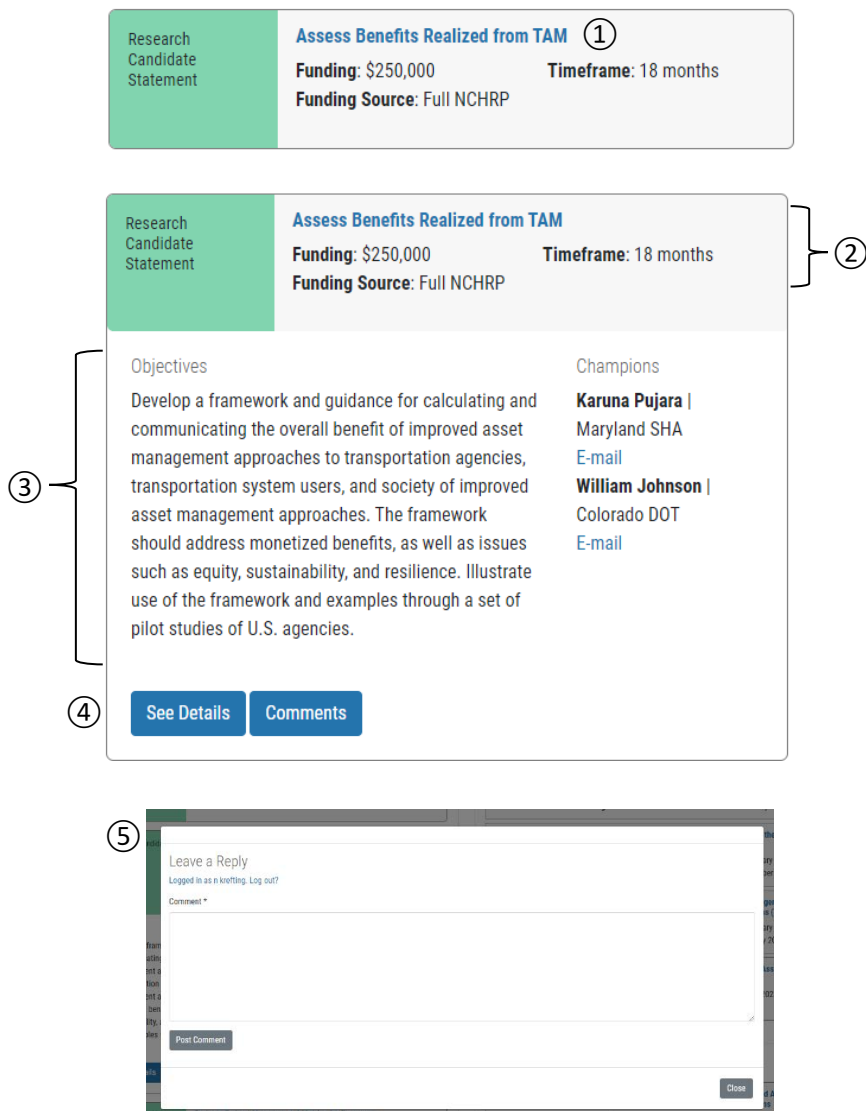
① **Statements for Advancement.** This section provides information cards about the Research Candidate Statements currently under consideration to submit in the next year. These cards show some basic information about Candidates. Clicking the title will expand the card to show more information.

② **Programmed Projects.** This section provides information cards about research projects that have been programmed.

③ **Active Projects.** This section provides information cards about research projects that are currently active.

Figure 2. TAM RMS Homepage

Research Candidate Card



Figures 3-5. Research Card Closeups

Card Snapshots

Research objects like Candidate Statements and Projects are presented in these compact cards throughout the RMS.

① **Title.** The name of the Research Candidate. Clicking the title will reveal expanded info about the Candidate.

② **Basic Info.** Provides information about the funding, timeframe, and funding source of the Candidate Statement.

③ **Expanded Info.** Provides current research objectives and supporters of the research.

④ **See Details.** Displays a popup window with all information about the Candidate Statement.

⑤ **Comment Window.** Users can leave feedback on the Candidate Statement here. You will need a Registered User or Administrator account to leave a comment.

Research Candidate Card (Admin View)

Research Candidate Statement Ranked #2	Develop Approaches for Corridor Planning and Allocation Funding: \$350,000 Funding Source: Full NCHRP Timeframe: 18 months Unselect ② Edit Candidate
Research Candidate Statement Ranked #4	Causes and Effects of Transportation Data Variability Funding: \$400,000 Funding Source: Full NCHRP Timeframe: 12 months Advance to Next Step ① Edit Candidate ③

Figure 6. Research Card Close-Up (admin view)

Card Snapshot, cont.

Admins have a slightly different view of the Candidate Statement cards.

① **Advance to Next Step.** An admin can click this button to designate that this Candidate Statement should remain in consideration during the next milestone meeting.

② **Unselect.** An admin can reverse the advancement of a Candidate Statement using this button.

③ **Edit Candidate.** An admin can click this button to open a new tab containing a form they can use to edit information about the Candidate Statement.

Approval Steps (Admin View)

TAM Research Management System

Research Candidates - Drafts & Report - Support a New Candidate - About the RMS - TBM RMS Log

Research Candidates - Approval Step 1

②

①

Updates/Status

These candidates related to:

☐ Javel Performance
☐ Information & Systems
☐ Monitoring & Adjustment
☐ Organization & People
☐ Resource Allocation
☐ TAM Strategy & Planning

Show candidates that will not:

☐ Develop Methods for TAM Before/After Assessments
☐ Location Performance Management for Additional Asset Classes
☐ Integrate Risk Management, Performance Management, and Asset Management

Show candidates by anticipated funding source:

☐ AASHTO Committee Support
☐ FHWA
☐ Implementation
☐ Full NCHRP
☐ Other NCHRP
☐ Partial Funded TSP
☐ Synthesis

Submit Report

Candidates that have advanced to Step 2 are outlined in blue.

Research Candidate Statement	Funding	Funding Source	Timeline	Ranking	Unselect	Edit Candidate
Assess Benefits Realized from TAM	Funding: \$250,000	Funding Source: Full NCHRP	Timeline: 18 months	#1	Unselect	Edit Candidate
Evaluate Federal Measures and Metrics for Performance	Funding: \$500,000	Funding Source: Full NCHRP	Timeline: 12-18 months	#2	Unselect	Edit Candidate
Causes and Effects of Transportation Data Variability	Funding: \$500,000	Funding Source: Full NCHRP	Timeline: 12 months	#3	Unselect	Edit Candidate
Develop Methods to Allow Agencies to Incorporate Quantitative Risk Assessment at Project and Network Level	Funding: \$400,000	Funding Source: Full NCHRP	Timeline: 12-18 months	#4	Unselect	Edit Candidate
Develop Approaches for Corridor Planning and Allocation	Funding: \$250,000	Funding Source: Full NCHRP	Timeline: 18 months	#5	Unselect	Edit Candidate
Engage Stakeholders in TAM	Funding: \$300,000	Funding Source: Full NCHRP	Timeline: 18-24 months	#6	Unselect	Edit Candidate
Support Data Governance Implementation	Funding: \$150,000	Funding Source: Implementation	Timeline: 12 months	#7	Unselect	Edit Candidate
Synthesize Best Practices for Internal Staff Development	Funding: \$0	Funding Source: Synthesis	Timeline:	#8	Unselect	Edit Candidate
Incorporate Change Management into TAM Implementation	Funding: \$0	Funding Source: AASHTO Committee Support	Timeline:	#9	Unselect	Edit Candidate
Improve Asset Performance by Bundling Capital Projects	Funding: \$0	Funding Source: Full NCHRP	Timeline:	#10	Advance to Next Step	Edit Candidate
Create Catalog of Condition Assessment Protocols	Funding: \$0	Funding Source: Full NCHRP	Timeline:	#11	Advance to Next Step	Edit Candidate
Develop TAM Big Data Case Studies	Funding: \$0	Funding Source: Full NCHRP	Timeline:	#12	Advance to Next Step	Edit Candidate

Report Candidate Info to CSV

Email this page to a large group for feedback

Research Projects

③

Programmed

Programmed Project	Funding	Funding Source	Start date	End date	No Items Found
NCHRP 08-136 Guidelines on Using Performance-Based Management Approaches for Maintenance	Funding: \$200,000	Funding Source: Full NCHRP	Start date: January 2022	End date: February 2023	No Items Found
NCHRP 08-137 Further Enhancements and Content for the AASHTO Transportation Asset Management Guide	Funding: \$400,000	Funding Source: Full NCHRP	Start date: February 2022	End date: November 2020	No Items Found
NCHRP 08-138 Connecting Transportation Asset Management (TAM) and Transportation System and Management Operations (TSMO)	Funding: \$200,000	Funding Source: Full NCHRP	Start date: February 2022	End date: January 2023	No Items Found
ACRP 09-21 Guidelines for the Effective Transition of Asset Data from Design/Construction to Operations and Maintenance	Funding: \$400,000	Funding Source: Full NCHRP	Start date: April 2021		No Items Found

Active

Active Project	Funding	Funding Source	Start date	End date	No Items Found
NCHRP 14-42 Estimating the Impact of Connected and Automated Vehicle Technology on State DOT Maintenance Programs	Funding: \$200,000	Funding Source: Full NCHRP	Start date: June 2019	End date: December 2020	No Items Found
NCHRP Synthesis 20-401 Topic 51-40 Collaborative Platforms for Performance-Based Asset Management between State Transportation Agencies and Maintenance Planning Organizations	Funding: \$40,000	Funding Source: Full NCHRP	Start date: September 2019	End date: December 2020	No Items Found
NCHRP 08-113 Integrating Effective Transportation Performance, Risk, and Asset Management Practices	Funding: \$666,617	Funding Source: Full NCHRP	Start date: June 2018	End date: January 2021	No Items Found
08-115 Guidebook for Data and Information Systems	Funding: \$400,000	Funding Source: Full NCHRP	Start date: August 2018	End date: January 2021	No Items Found
NCHRP 02-26 Implementation of Life-Cycle Planning Analysis in a Transportation Asset Management Framework	Funding: \$500,000	Funding Source: Full NCHRP	Start date: April 2019	End date: April 2021	No Items Found
NCHRP 02-27 Making Targets Matter: Managing Performance to Enhance Decision-Making	Funding: \$500,000	Funding Source: Full NCHRP	Start date: February 2019	End date: April 2021	No Items Found
TIR0-02 Lifecycle BIM for Infrastructure: A Business Case for Project Delivery and Asset Management	Funding: \$500,000	Funding Source: Full NCHRP	Start date: April 2020	End date: July 2022	No Items Found
NCHRP Synthesis 20-401 Topic 52-02 Using Bridge Element Data in Asset Management Decision Making	Funding: \$45,000	Funding Source: Full NCHRP	Start date: October 2020	End date: July 2021	No Items Found
NCHRP Synthesis 20-401 Topic 52-01 Highway Infrastructure Inspection Procedures for the Digital Age	Funding: \$40,000	Funding Source: Full NCHRP	Start date: November 2020	End date: August 2021	No Items Found
NCHRP 22-06 A Guide to Competition and Use of System Level Valuation of Transportation Assets	Funding: \$400,000	Funding Source: Full NCHRP	Start date: July 2020	End date: November 2021	No Items Found
NCHRP 23-09 Scoping Study to Develop the Basis for a Highway Standard to Conduct an AR-Hazards Risk and Resilience Analysis	Funding: \$250,000	Funding Source: Full NCHRP	Start date: July 2020	End date: January 2022	No Items Found

Figure 8. TAM RMS Approval Step View

Approval Step View

At a series of milestone meetings throughout the year, the set of Candidate Statements gets narrowed down. Each of these milestones is represented in the RMS by an Approval Step page.

① **Candidates.** A list of the cards for the Candidate Statements that are being considered in this approval step. These can be filtered just like in the

② **Update Rankings.** This button brings up a popup window which an admin can use to assign a priority rank to each Candidate Statement.

③ **Projects.** A list of all currently programmed and active research projects.

④ **Export.** Any user can use this button to generate an Excel download of all the information for the set of Candidate Statements currently being considered.

⑤ **Email.** This popup provides a user with an email template with a link to the current page. This email can be sent to invite people to give feedback on the current set of Candidate Statements.

Final Approval Step (Admin View)

Research Candidate Statement

Ranked

#1

Develop Approaches for Corridor Planning and Allocation

Funding: \$350,000 **Timeframe:** 18 months

Funding Source: Full NCHRP

Unselect
Edit Candidate

Save As Project ①

TAM Research Management System Develop Candidates Create a Report Support a New Candidate About the RMS TRB 9160 gr

Research Candidates – Approval Step 4

Update Rankings
Show candidates related to:
☐ Asset Performance Information & Systems
☐ Monitoring & Adjustment
☐ Organization & People
☐ Resource Allocation
☐ TAM Strategy & Planning

Show candidates that will help:
☐ Develop Methods for TAM Before-and-After Assessments
☐ Establish Performance Management for Additional Asset Classes
☐ Integrate Risk Management, Performance Management, and Asset Management

Show candidates by anticipated funding source:
☐ AASHTO Committee Support
☐ FHWA
☐ Implementation
☐ Full NCHRP
☐ Federal Fund/TSP
☐ Synthesis

Submit Reset

Candidates that have advanced to pending Projects are outlined in blue.

Research Candidate Statement

Ranked

#1

Develop Approaches for Corridor Planning and Allocation

Funding: \$350,000 **Timeframe:** 18 months

Funding Source: Full NCHRP

Unselect
Edit Candidate

Save As Project

Research Candidate Statement

Ranked

#2

Assess Benefits Realized from TAM

Funding: \$250,000 **Timeframe:** 18 months

Funding Source: Full NCHRP

Program this Project
Edit Candidate

Save As Project

Research Candidate Statement

Ranked

#3

Evaluate Federal Measures and Metrics for Pavements

Funding: \$500,000 **Timeframe:** 12-18 months

Funding Source: Full NCHRP

Unselect
Edit Candidate

Save As Project

Export Candidate Info to CSV
Email this page to a target group for feedback.
Ready to submit? Review selections here. ②

Project Pipeline

Programmed Projects

Programmed Project
NCHRP 08-136 Guidance on Using Performance-Based Management Approaches for Performance
Funding: \$500,000 Start date: January 2021 End date: February 2022
No Items Found

Programmed Project
NCHRP 08-137 Further Enhancements and Content for the AASHTO Transportation Asset Management Guide
Funding: \$450,000 Start date: February 2021 End date: November 2020
No Items Found

Programmed Project
NCHRP 08-138 Connecting Transportation Asset Management (TAM) and Transportation Systems and Management Operations (TSMO)
Funding: \$500,000 Start date: February 2021 End date: January 2023
No Items Found

Programmed Project
ACRP 99-21 Guidelines for the Effective Transition of Asset Data from Design/Construction to Operations and Maintenance
Funding: \$400,000 Start date: April 2021
No Items Found

Active Projects

Active Project
NCHRP 14-42 Determining the Impact of Connected and Automated Vehicle Technology on State DOT Maintenance Programs
Funding: \$300,000 Start date: June 2019 End date: December 2020
No Items Found

Active Project
NCHRP Synthesis 29-05/Topic 51-05 Collaborative Practices for Performance-Based Asset Management between State Transportation Agencies and Metropolitan Planning Organizations
Funding: \$45,000 Start date: September 2019 End date: December

Figure 9-10. TAM RMS Approval Step 4 Admin View

Final Approval Step Admin View

The admin is able to use a few extra functions on the final approval step page.

① **Save As Project.** This button will use the information from the Candidate Statement to make a new Research Project object.

② **Review Selections Button.** This button will open up a new tab showing all information from all Candidate Statements currently marked to be advanced to Research Projects.

Edit Candidate Statements

Once you are done editing, you may close this tab.

Edit Statements

At any point in the process, an admin can edit the information in a Candidate Statement using these forms.

① **Text Fields.** These fields can be edited directly through a text input field.

② **Add People.** Adding a person to a Statement requires filling in four fields at once. Clicking a button to add a person will bring up a separate four-field form to submit.

①

Title
Develop Approaches for Corridor Planning and Allocation

Research Funding
350000

Research Period
18 months

Background

- Asset conditions are typically determined currently in separate silos - leading to asset treatments that are applied on varied schedules by asset (pavement, bridges, culverts) even over the same corridor.
- Significant resources may be misallocated on treatments applied at the wrong time due to lack of coordinated corridor planning.
- Corridor planning can organize the asset treatments - while also looking at environmental issues, congestion, and safety
- There may be other issues such as operation needs in a corridor as well.
- "Protect delivery" can be achieved more efficiently because projects are organized into a corridor delivery strategy. Projects can be berled off as function is available

Literature Search Summary

Boad, Richard S; Amekudzi, Adjo A. Risk-Based Corridor Asset Management: Applying Multistatute Utility Theory to Manage Multiple Assets. Transportation Research Record: Journal of the Transportation Research Board, Issue 2354, 2013, pp 98-106 -a href="https://trid.tib.org/view/1241797">https://trid.tib.org/view/1241797
Anderson, Scott A; Rivers, Benjamin S. Corridor Management: A Means to Elevate Understanding of Geotechnical Impacts on System Performance. Transportation Research Record: Journal of the Transportation Research Board, Issue 2349, 2013, pp 6-15 -a href="https://trid.tib.org/view/1241789">https://trid.tib.org/view/1241789

Research Objectives

Develop guidance on an asset management corridor planning process to prioritize and schedule project delivery for cost effectiveness while also considering mobility/accessibility issues, drainage, and more.

Urgency & Potential Benefits

Implementation Considerations

Submitter Name
Submitter Email

Submitter Affiliation
Submitter Phone

Notes

Save

Note: Please save any changes made to the fields above before adding new authors, supporting organizations, or potential panel members to this statement.

②

Author(s)
Please add at least one author.
Add author

Others Supporting Problem Statement

NMDOT
Fake Person
d1g@nxtel.gle
2345645298
Remove This Supporter

AASHTO
The Person 2
email@internet.biz2
1234567890
Remove This Supporter

AASHTO
The Person
email@internet.biz
1234567890
Remove This Supporter

Add supporter

Potential Panel Members
Please add at least one potential panel member.
Add potential panel member

Leave a Reply

Logged in as nkx/tmg323tc. Log out?

Comment *

Post Comment

Figure 11. Edit Research Candidate form

TAM Research Management System [Develop Candidates](#) [Create a Report](#) [Skip a Few Candidates](#) [About the FMS](#) [1981 FMS](#) [1982 FMS](#) [1983 FMS](#) [1984 FMS](#) [1985 FMS](#) [1986 FMS](#) [1987 FMS](#) [1988 FMS](#) [1989 FMS](#) [1990 FMS](#) [1991 FMS](#) [1992 FMS](#) [1993 FMS](#) [1994 FMS](#) [1995 FMS](#) [1996 FMS](#) [1997 FMS](#) [1998 FMS](#) [1999 FMS](#) [2000 FMS](#) [2001 FMS](#) [2002 FMS](#) [2003 FMS](#) [2004 FMS](#) [2005 FMS](#) [2006 FMS](#) [2007 FMS](#) [2008 FMS](#) [2009 FMS](#) [2010 FMS](#) [2011 FMS](#) [2012 FMS](#) [2013 FMS](#) [2014 FMS](#) [2015 FMS](#) [2016 FMS](#) [2017 FMS](#) [2018 FMS](#) [2019 FMS](#) [2020 FMS](#) [2021 FMS](#) [2022 FMS](#) [2023 FMS](#) [2024 FMS](#) [2025 FMS](#) [2026 FMS](#) [2027 FMS](#) [2028 FMS](#) [2029 FMS](#) [2030 FMS](#) [2031 FMS](#) [2032 FMS](#) [2033 FMS](#) [2034 FMS](#) [2035 FMS](#) [2036 FMS](#) [2037 FMS](#) [2038 FMS](#) [2039 FMS](#) [2040 FMS](#) [2041 FMS](#) [2042 FMS](#) [2043 FMS](#) [2044 FMS](#) [2045 FMS](#) [2046 FMS](#) [2047 FMS](#) [2048 FMS](#) [2049 FMS](#) [2050 FMS](#) [2051 FMS](#) [2052 FMS](#) [2053 FMS](#) [2054 FMS](#) [2055 FMS](#) [2056 FMS](#) [2057 FMS](#) [2058 FMS](#) [2059 FMS](#) [2060 FMS](#) [2061 FMS](#) [2062 FMS](#) [2063 FMS](#) [2064 FMS](#) [2065 FMS](#) [2066 FMS](#) [2067 FMS](#) [2068 FMS](#) [2069 FMS](#) [2070 FMS](#) [2071 FMS](#) [2072 FMS](#) [2073 FMS](#) [2074 FMS](#) [2075 FMS](#) [2076 FMS](#) [2077 FMS](#) [2078 FMS](#) [2079 FMS](#) [2080 FMS](#) [2081 FMS](#) [2082 FMS](#) [2083 FMS](#) [2084 FMS](#) [2085 FMS](#) [2086 FMS](#) [2087 FMS](#) [2088 FMS](#) [2089 FMS](#) [2090 FMS](#) [2091 FMS](#) [2092 FMS](#) [2093 FMS](#) [2094 FMS](#) [2095 FMS](#) [2096 FMS](#) [2097 FMS](#) [2098 FMS](#) [2099 FMS](#) [2100 FMS](#) [2101 FMS](#) [2102 FMS](#) [2103 FMS](#) [2104 FMS](#) [2105 FMS](#) [2106 FMS](#) [2107 FMS](#) [2108 FMS](#) [2109 FMS](#) [2110 FMS](#) [2111 FMS](#) [2112 FMS](#) [2113 FMS](#) [2114 FMS](#) [2115 FMS](#) [2116 FMS](#) [2117 FMS](#) [2118 FMS](#) [2119 FMS](#) [2120 FMS](#) [2121 FMS](#) [2122 FMS](#) [2123 FMS](#) [2124 FMS](#) [2125 FMS](#) [2126 FMS](#) [2127 FMS](#) [2128 FMS](#) [2129 FMS](#) [2130 FMS](#) [2131 FMS](#) [2132 FMS](#) [2133 FMS](#) [2134 FMS](#) [2135 FMS](#) [2136 FMS](#) [2137 FMS](#) [2138 FMS](#) [2139 FMS](#) [2140 FMS](#) [2141 FMS](#) [2142 FMS](#) [2143 FMS](#) [2144 FMS](#) [2145 FMS](#) [2146 FMS](#) [2147 FMS](#) [2148 FMS](#) [2149 FMS](#) [2150 FMS](#) [2151 FMS](#) [2152 FMS](#) [2153 FMS](#) [2154 FMS](#) [2155 FMS](#) [2156 FMS](#) [2157 FMS](#) [2158 FMS](#) [2159 FMS](#) [2160 FMS](#) [2161 FMS](#) [2162 FMS](#) [2163 FMS](#) [2164 FMS](#) [2165 FMS](#) [2166 FMS](#) [2167 FMS](#) [2168 FMS](#) [2169 FMS](#) [2170 FMS](#) [2171 FMS](#) [2172 FMS](#) [2173 FMS](#) [2174 FMS](#) [2175 FMS](#) [2176 FMS](#) [2177 FMS](#) [2178 FMS](#) [2179 FMS](#) [2180 FMS](#) [2181 FMS](#) [2182 FMS](#) [2183 FMS](#) [2184 FMS](#) [2185 FMS](#) [2186 FMS](#) [2187 FMS](#) [2188 FMS](#) [2189 FMS](#) [2190 FMS](#) [2191 FMS](#) [2192 FMS](#) [2193 FMS](#) [2194 FMS](#) [2195 FMS](#) [2196 FMS](#) [2197 FMS](#) [2198 FMS](#) [2199 FMS](#) [2200 FMS](#) [2201 FMS](#) [2202 FMS](#) [2203 FMS](#) [2204 FMS](#) [2205 FMS](#) [2206 FMS](#) [2207 FMS](#) [2208 FMS](#) [2209 FMS](#) [2210 FMS](#) [2211 FMS](#) [2212 FMS](#) [2213 FMS](#) [2214 FMS](#) [2215 FMS](#) [2216 FMS](#) [2217 FMS](#) [2218 FMS](#) [2219 FMS](#) [2220 FMS](#) [2221 FMS](#) [2222 FMS](#) [2223 FMS](#) [2224 FMS](#) [2225 FMS](#) [2226 FMS](#) [2227 FMS](#) [2228 FMS](#) [2229 FMS](#) [2230 FMS](#) [2231 FMS](#) [2232 FMS](#) [2233 FMS](#) [2234 FMS](#) [2235 FMS](#) [2236 FMS](#) [2237 FMS](#) [2238 FMS](#) [2239 FMS](#) [2240 FMS](#) [2241 FMS](#) [2242 FMS](#) [2243 FMS](#) [2244 FMS](#) [2245 FMS](#) [2246 FMS](#) [2247 FMS](#) [2248 FMS](#) [2249 FMS](#) [2250 FMS](#) [2251 FMS](#) [2252 FMS](#) [2253 FMS](#) [2254 FMS](#) [2255 FMS](#) [2256 FMS](#) [2257 FMS](#) [2258 FMS](#) [2259 FMS](#) [2260 FMS](#) [2261 FMS](#) [2262 FMS](#) [2263 FMS](#) [2264 FMS](#) [2265 FMS](#) [2266 FMS](#) [2267 FMS](#) [2268 FMS](#) [2269 FMS](#) [2270 FMS](#) [2271 FMS](#) [2272 FMS](#) [2273 FMS](#) [2274 FMS](#) [2275 FMS](#) [2276 FMS](#) [2277 FMS](#) [2278 FMS](#) [2279 FMS](#) [2280 FMS](#) [2281 FMS](#) [2282 FMS](#) [2283 FMS](#) [2284 FMS](#) [2285 FMS](#) [2286 FMS](#) [2287 FMS](#) [2288 FMS](#) [2289 FMS](#) [2290 FMS](#) [2291 FMS](#) [229](#)

Develop Approaches for Corridor Planning and Allocation

Ready to submit this statement? Generate a PDF for submittal [here](#).

④

Source: U.S. Census Bureau, *Current Population Reports*, 1990.

⑤

Create Submittable Candidate Statement

TAM Research Management System

Develop Candidates - Create a Report - Suggest a New Candidate - About the RMT - TBD RMT-UI

Instructions for Generating PDF for Submittal

Click the "Save" button below. When the print dialog appears, make sure to select "Print to PDF" from the "Destination" dropdown. When you continue to print, you will be able to choose a location on your computer to save the file.

Save

Develop Approaches for Corridor Planning and Allocation

Funding	Research Period
\$350,000	18 months
Description	<ul style="list-style-type: none"> Asset conditions are typically determined currently in separate silos - leading to asset treatments that are applied on various schedules by asset (pavement, bridges, culverts), even over the same corridor. Significant resources may be misallocated on treatments applied at the wrong time due to lack of coordinated corridor planning. Corridor planning can organize the asset treatments - while not looking at environmental issues, congestion, and safety. There may be other issues such as operation needs in a corridor as well. "Project delivery" can be achieved more efficiently because projects are organized into a corridor delivery strategy. Projects can be peeled off as funding is available. A Public can be engaged all at once instead of multiple times for multiple projects. Minimize contractor costs
Literature Search Summary	<ul style="list-style-type: none"> Beati, Richard S. Amekudzi, Adje A. Risk-Based Corridor Asset Management: Applying Multi-Criteria Utility Theory to Manage Multiple Assets. Transportation Research Record: Journal of the Transportation Research Board, Issue 2254, 2013, pp 99-104 https://trid.trb.org/view/134103 Arderson, Scott A., Rivers, Benjamin S. Corridor Management: A Means to Enhance Understanding of Geotechnical Impacts on System Performance. Transportation Research Record: Journal of the Transportation Research Board, Issue 2340, 2012, pp 9-13 http://trid.trb.org/view/1341709
Objectives	Develop guidance on an asset management corridor planning process to prioritize and schedule project delivery for cost effectiveness while also considering mobility/accessibility issues, drainage, and more.
Urgency and Potential Benefits	
Implementation Considerations	
Author(s)	Please add at least one author.
Others Supporting Problem Statement	<p>NMDOT Fake Person engr@nmdot.gov 2245642081 Remove This Supporter</p> <p>AASHTO The Person 2 ema@internet.bu2 1224567890 Remove This Supporter</p> <p>AASHTO The Person ema@internet.bu 1224567890 Remove This Supporter</p>
Potential Panel Members	Please add at least one potential panel member.
Person Submitting Statement	Please add information about the person submitting the statement.
Notes	

Create Submittable Candidate Statement

This page collects all information about a Candidate Statement so that it can be saved in PDF format.

① **Save Link.** The Save link will bring up a Print dialog. The admin should select "Save to PDF" from the Destination dropdown.

② **All Fields to Review.** The admin can review the fields one final time.

Figure 15. Submittable Candidate Statement page

Create Report

TAM Research Management System Candidate Pool Statement Development Project Pipeline Create a Report About the RMS TRB RMS

① Use the filters below to specify which candidate statements to include in your report.

Research Statements Projects

Research Framework Element

- ☐ Asset Performance
- ☐ Information & Systems
- ☐ Monitoring & Adjustment
- ☐ Organization & People
- ☐ Resource Allocation
- ☐ TAM Strategy & Planning

Categories of Funding

- ☐ AASHTO Committee Support
- ☐ FHWA
- ☐ Full NCHRP
- ☐ Implementation
- ☐ Other CRP
- ☐ Pooled Fund/TSP
- ☐ Synthesis

Research Years

- ☐ 2015
- ☐ 2016
- ☐ 2019
- ☐ 2020
- ☐ 2021

Submit **Reset**

TAM Research Management System Candidate Pool Statement Development Project Pipeline Create a Report About the RMS TRB RMS

Here are your results. You can use the filters below to update the view, or [print the results](#).

Research Framework Element

- ☒ Asset Performance
- ☐ Information & Systems
- ☐ Monitoring & Adjustment
- ☐ Organization & People
- ☐ Resource Allocation
- ☐ TAM Strategy & Planning

Categories of Funding

- ☐ AASHTO Committee Support
- ☐ FHWA
- ☐ Full NCHRP
- ☐ Implementation
- ☐ Other CRP
- ☐ Pooled Fund/TSP
- ☐ Synthesis

Project Status

- ☐ Active
- ☐ Complete
- ☐ Programmed
- ☐ Proposed

Submit **Reset**

③ **Print Your Results**

Showing 12 projects and candidate statements.

② **Fix It, Sign It, or Close It: State of Good Repair in an Era of Budget Constraints**

Research Project

Description

The condition of the transportation infrastructure in the United States is an issue of national importance. State Departments of Transportation (DOTs) and transit agencies are facing tough choices with limited finances. These transportation agencies are having to make decisions about how and when to keep the assets safely open to the public. Transportation agencies that are recipients of federal formula grant dollars may need the funding agency to be involved in any decision to repair the asset(s) or whether to improve, rebuild, or close them.

Research is needed on the legal ramifications to transportation agencies that are faced with deciding whether to repair, improve, or rebuild assets that are in poor repair.

Report

This page allows a user to see all Research Statements and Projects that match a set of parameters.

① **Filters & Submit.** The user can use this set of parameters to narrow down the set of Candidates and Projects.

② **Matching Statements and Projects.** All information about matching Statements and Projects is shown once the filters have been submitted.

③ **Print.** The print button will print up a print dialog. Results will print, one per page.

Figure 16-17. Research Report views

Suggest a New Candidate

TAM Research Management System

Develop CandidatesCreate a ReportSuggest a New CandidateAbout the RMSTRB RMS

Use the form below to suggest a new Research Candidate. Please fill in as much information as you can. Once you hit the Submit button, your Candidate will be reviewed and added to the pool of Candidate projects for the year.

①

Title

Description

Literature Search Summary

Objectives

Urgency and Potential Benefits

Implementation Considerations

Toggle Advanced Fields

②

Note: Once this candidate has been added to the system, you will be able to add authors, potential panel members, supporting organizations, and the name of the submitter.

Submit

Suggest a New Candidate

Any user can fill out this form to suggest a new Candidate Statement to be added to the RMS.

① **Fields to Fill in.** A user can use these fields to enter information about their suggested Candidate Statement.

② **Note.** People can be added to a Statement by an admin once that Statement has been added to the system.

Figure 18. Submit a Candidate Form