



# CPBM/TPM TSP Quarterly Web Call

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March 6, 2025



# Agenda

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- 2:00**     **Welcome and Agenda.** Christos Xenophontos, AASHTO CPBM Chair, Rhode Island DOT.
- 2:10**     **AASHTO Updates.** Anna McLaughlin, AASHTO.
- 2:20**     **Identifying Data Gaps and Developing New Data Collection Processes to Inform Decision-Making: Data Self-Assessment Tools & Agency Assessment Experiences.**  
Will Duke, Spy Pond Partners, LLC.  
Upcoming TPM Webinar & Discussion.
- 3:05**     **AASHTO CPBM Business Meeting.** Christos Xenophontos, Rhode Island DOT.  
- **Subcommittee & Task Force Updates.** Subcommittee & Task Force Chairs.
- 3:50**     **Discussion.** All.
- 3:55**     **Action Items.** Karen Miller, Missouri DOT.
- 4:00**     **Discussion and Wrap-Up.** Christos Xenophontos, Rhode Island DOT.



# NCHRP Project 23-37 Survey

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- NCHRP is partnering with Iowa State University on NCHRP Project 23-37 "Integrating Performance Management, Risk Management, and Process Improvement: A Guide."
- Research team is conducting survey of state DOTs to understand state of practice for integration of Performance Management, Risk Management, and Process Improvement.
- Results will help identify best practices, challenges, and opportunities.
- Please complete five-minute survey (one per state DOT) by March 17, 2025: [https://iastate.qualtrics.com/jfe/form/SV\\_b2Q3vDhYTLUsldw](https://iastate.qualtrics.com/jfe/form/SV_b2Q3vDhYTLUsldw)
- Any questions or issues with survey, please contact Dr. Omar Smadi by phone: (515-294-8103) or email: [smadi@iastate.edu](mailto:smadi@iastate.edu)



# Register for TPM Webinar #25

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- Today's meeting is introducing the topic of identifying data gaps and developing new data collection processes to inform decision-making
- We will continue the discussion on the March 19th TPM Webinar with a set of cases studies highlighting data collection and use at state DOTs:
  - Liz Williams, Massachusetts DOT
  - Stephen Kut, Rhode Island DOT
- Register: <https://www.tpm-portal.com/events/tpm-webinar-25/>



# AASHTO Updates

Anna McLaughlin, AASHTO

# Administrative Actions Since January 20

- January 20: [Executive Order 14154, Section 7](#) singled out NEVI and CFI programs; “Included but not limited to” language applying to IRA and IIJA
- January 21: FHWA temporarily shuts down reimbursements for states
- January 21: [Clarification memo from OMB](#); most formula funding flowing again but uncertainty around NEVI and CFI
- January 27: [OMB M-25-13](#); Near complete freeze on all grant obligations and outlays effective 5:00pm on January 28
- January 28: [Clarification memo](#) from OMB; Federal court issues a temporary administrative order halting implementation of the freeze
- January 29: [OMB M-25-14](#); Nullifies M-25-13
- January 29: Memorandum from USDOT on [Implementation of Executive Orders Addressing Energy, Climate Change, Diversity, and Gender](#)
- January 29: USDOT Order [“Ensuring Reliance Upon Sound Economic Analysis in Department of Transportation Policies, Programs, and Activities”](#)
- February 6: [Letter from FHWA](#) suspending state electric vehicle infrastructure deployment plans
- February 14: “Probationary” federal employees dismissed

# Updated Reauthorization Timeline

- State feedback on modal white papers due Friday, February 21
- TPF Meeting on March 6: Consider and approve core policy principles and vision statement for reauthorization
- TPF Meeting on April 3: Vet first round of policy resolutions
- Tentative Special TPF session in April: Vet second round of policy resolutions
- Tentative Special Board of Directors meeting in April: Approve core policy principles and vision statement
- TPF at Spring Meeting on May 14: Vote on policy resolutions
- Board of Directors Meeting on May 15: Vote of policy resolutions



# Feature Presentation: Identifying Data Gaps and Developing New Data Collection Processes to Inform Decision-Making



# Data Self-Assessment Tools and Agency Assessment Experiences

AASHTO CPBM/TPM TSP Quarterly Meeting

March 6, 2025

# Presentation Overview

## Purpose

Highlight tools to better understand, improve, and apply agency data.

- **Data Self-Assessment Basics**
- **Assessment Methodologies**
  - Data Value Assessment
  - Data Maturity Assessment
  - TAM Data and Information System Assessments
- **Agency Assessment Experiences**



# Data Assessment

## *The Basics*

# Agency Data Assessment Motivations

**Is your agency effectively managing and using its data and information systems?**

- Provide a foundation for data strategic plans or business plans
- Take stock of how well agency data is serving its intended purpose
- Identify opportunities for making better use of existing data (and systems)
- Build awareness of and consensus around needed data improvements
- Track progress (through periodic re-assessment)



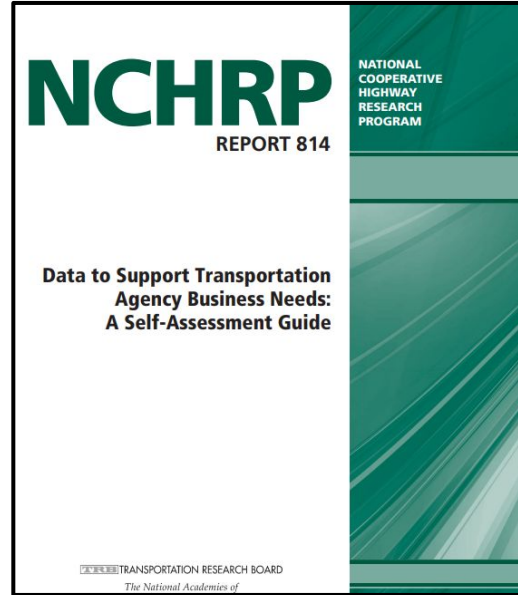
# NCHRP 814 & 956: Data Self Assessment Tools



## Data Value Assessment

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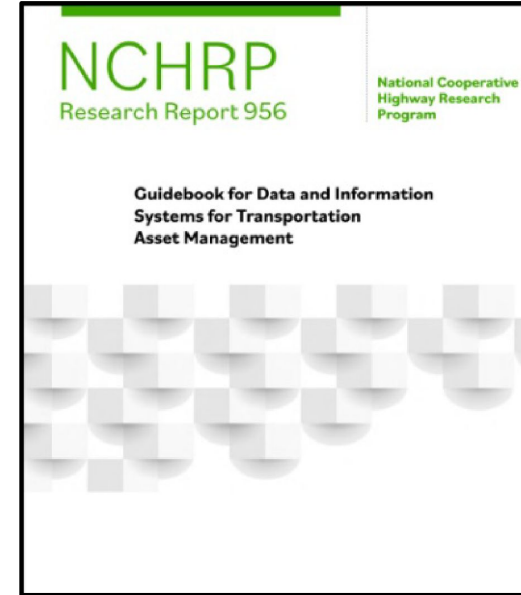
Assess the extent data users feel data is providing value and meeting business needs.



## Data Mgt. Maturity Assessment

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Assess the agency capability to manage data assets to maximize their value.



## TAM Data Assessment

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Assess current practices and improve use of data and information for Transportation Asset Management.



# NCHRP 814 Data Self-Assessment Background

## Value & Maturity Assessments

### NCHRP Project 08-92 (2015)

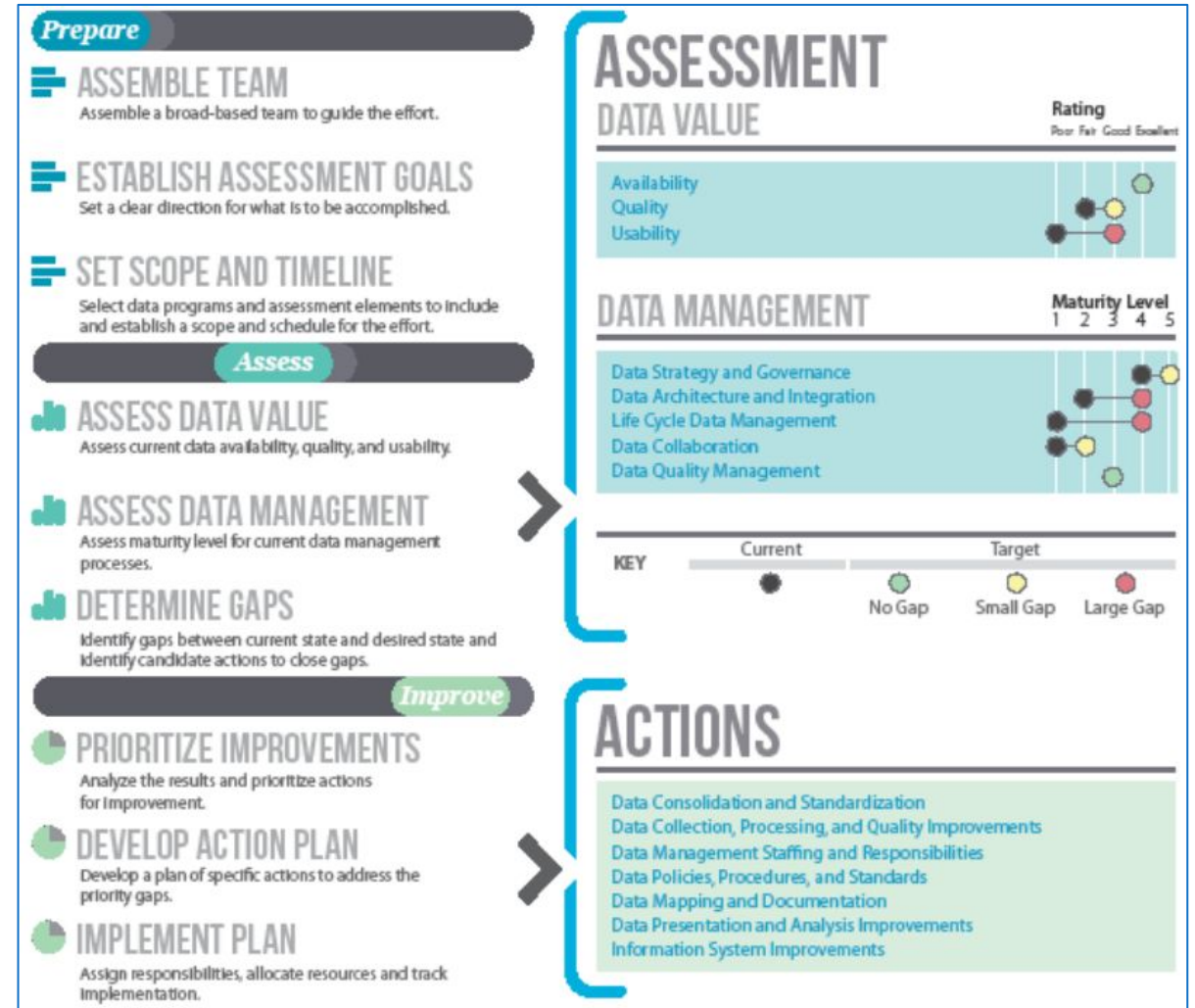
- Developed the data self-assessment tools
- Provided guidance through NCHRP Report 814

### NCHRP 20-44(12) (2022)

- Supported implementation at 8 States and 1 MPO
- Prepared supplemental guidance
- Documented transferable practice

### NCHRP 23-23 (2024)

- Provided data governance implementation guidance
- Delivered a web-based Data Mgt. Maturity Assessment tool



# NCHRP 956 TAM Data Assessment Background

## TAM Data Assessments

### NCHRP Project 08-115 (2022)

- Delivered a structured approach to assess and improve data and information for TAM
- Provided web-based AASHTO TAM Data Guide and AASTO TAM Data Assistant tools
- Published as NCHRP Report 956
- Supported implementation at 4 DOTs

### Recent DOT Implementations

- Utah TAM Data Assessments
- Michigan TAM Data Assessments

#### Detailed Practice Benchmarking

Evaluate the current and desired state of DOT practice against element-level practice benchmarks

Utilize Guidebook materials to understand the scope of practice in each portion of the assessment.

- Identify key issues and decisions when establishing a desired state and selecting improvements.
- Review conceptual examples to develop a firm understanding of agency practice.

**Benchmark Level Descriptions**

0 **Non-Existent:** The DOT does not have any significant practices within this aspect of their business.

1 **Initial Steps:** DOT practices are found, however these are characterized by ad-hoc or informal application and are not likely to be endorsed by management.

2 **Incremental Improvement:** The DOT is beginning to see formalization of the processes and structures within this aspect of their business.

3 **Advanced Practice:** The DOT is performing at a level at or above the standard of their peers.

4 **Top Performing:** The DOT is a leading example of practice amongst their peers.

#### Improvement Evaluation

Establish investment priorities based on implementation impact, effort, and challenges

Develop the "asset breakdown structure", providing clear criteria for identifying various asset "sub-types" and "components".

Challenges: No Significant Challenges, Time, Resources, Expertise, Coordination, Change, Other

Priority: Medium

A.1.a Asset Inventory Data Model

Reassess Hide This Improvement Show Element Description

Current Level 1 Desired Level 2

Pre-defined improvements offer a clear set of action steps to reach the desired state.

#### Implementation Support Organizational Practices

Meaningful change to how data are managed, shared, and used within a DOT TAM program requires much more than new tools and technologies.

Strategic Management Talent Management Initiative Management Knowledge Management

Overcome institutional challenges through deliberate application of identified organizational practices.

#### Improvement Identification

Select potential improvements, specific to DOT identified practice gaps.

Benchmark Practice Level/Description	Current Level	Desired Level	Improvement 1	Improvement 2
The agency has not defined any consistent definitions or methodologies for tracking inventory information for a given asset or asset type.	0	0	Define the "asset" and determine how the asset inventory should be recorded to support current inventory practices and standards.	Coordinate with field and office staff to identify current inventory data collection practices and standards.
The agency has defined the "asset", documented how this asset's inventory should be tracked (e.g., modeling vs. real inventory) and defined the general form for inventory data (e.g., asset points, lines, or polygons, or roadway segments, general asset counts).	1	1	Develop the "asset breakdown structure", providing clear criteria for identifying various asset "sub-types" and "components".	Evaluate existing inventory standards to identify gaps or inconsistencies in current standards for improvement.
The agency has established an asset breakdown structure for the asset, defining various asset subtypes and components. Clear and comprehensive criteria for evaluating these assets into these sub types and identifying various components are established.	2	2	Specify detailed inventory data elements for each asset sub-type and component, set required, recommended, and optional inventory data.	Specify minimum levels of inventory data coverage to meet decision-making, communication, and reporting needs.
The agency has identified a minimum set of standard inventory attributes to be stored for the asset (e.g., unique identifier, location, total data, asset category, ownership, required, recommended, and optional data elements are identified, defined source of collection is established).	3	3	Document a detailed asset information model facilitating direct integration of asset inventory with maintenance work orders and project files.	
The agency has defined a detailed asset information model that supports direct integration with project and maintenance information, contracts and/or design files.	4	4	Assessment Date: 4/1/2022	4/1/2022

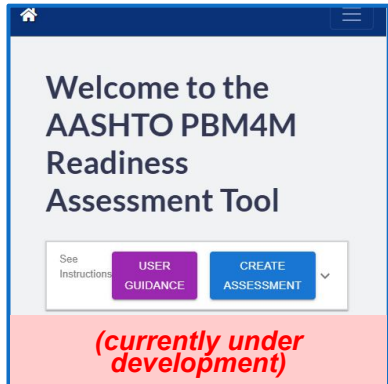
Pre-defined improvements offer a clear set of action steps to reach the desired state.

#### Executive Communication

- 1 Present the assessment focus and context emphasizing the motivation and value of the selected focus.
- 2 Communicate current and desired state demonstrating where performance is low, where it is high, and where improvement is most necessary.
- 3 Share a clear set of implementation priorities that address gaps in current practices.
- 4 Acknowledge challenges that will be faced and outline organizational practices and case studies supporting implementation.

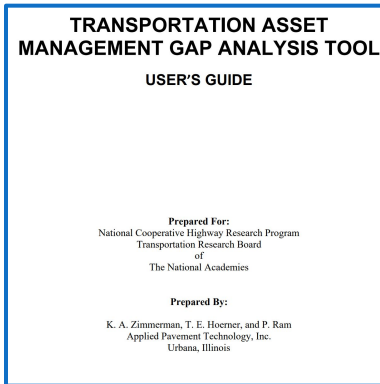


# Other Data Assessment Tools



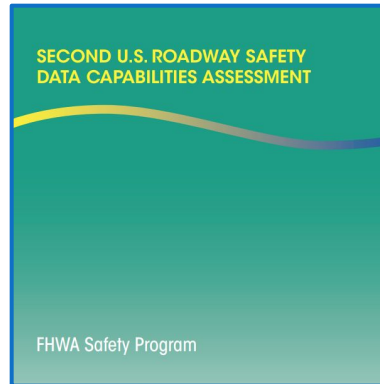
## NCHRP 08-136: PBM4M Tool

Assess readiness for performance-based maintenance management and identify steps to close assessed gaps.



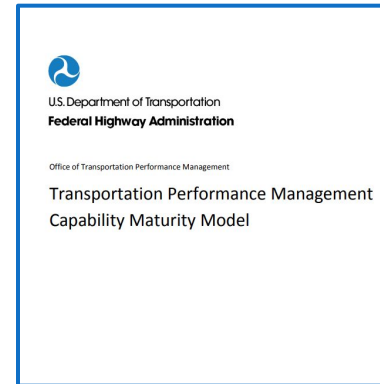
## AASHTO AM Gap Analysis Tool

Evaluate current and desired asset management capabilities including Data Management and Information Systems.



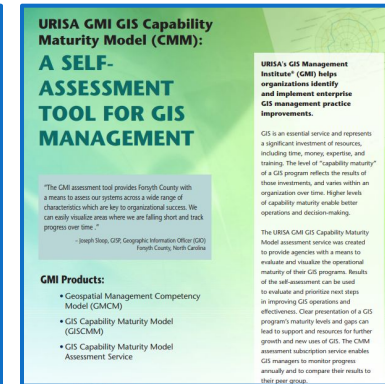
## FHWA Safety Data Assessment

Describe current capabilities of state safety data programs – across multiple capability maturity areas.



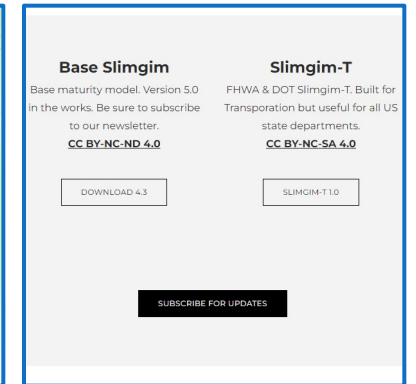
## TPM Capability Maturity Model

Assess transportation performance management and identify specific steps to improve capabilities.



## URISA Model

Assess capability maturity of an Enterprise GIS program – not Transportation specific, intended for local agencies, focused on operations and business users.



## Slimgim-T

Assess and improve Enterprise GIS program structure, leadership, culture, capabilities, data, and technologies – with a focus on transportation.



# Data Value Assessment

*A Deeper Dive*

# Data Value Assessment Elements & Tool

## Data Importance

- How critical is a data source to a given business area or activity?

## Data Availability

- Is the right kind of data in place, at the right detail, and with sufficient coverage?

## Data Quality

- Is the data sufficiently accurate, credible, complete, and current to support decision-making?

## Data Usability

- Can data be easily accessed, integrated, analyzed, and presented as needed to support decision-making?

NCHRP 08-92 Data Value Assessment
Instructions
Configuration
Example Lists
Self-Assessment Elements
Data Importance
Data Availability
Data Quality
Data Usability
Results

Assessed using a configurable  
Spreadsheet Tool

# Data Value Assessment Results

Initial Tool Configuration

Perform Data Value Assessment

Evaluate Data Importance

Evaluate Data Availability

Evaluate Data Quality

Evaluate Data Usability

Compiled Results

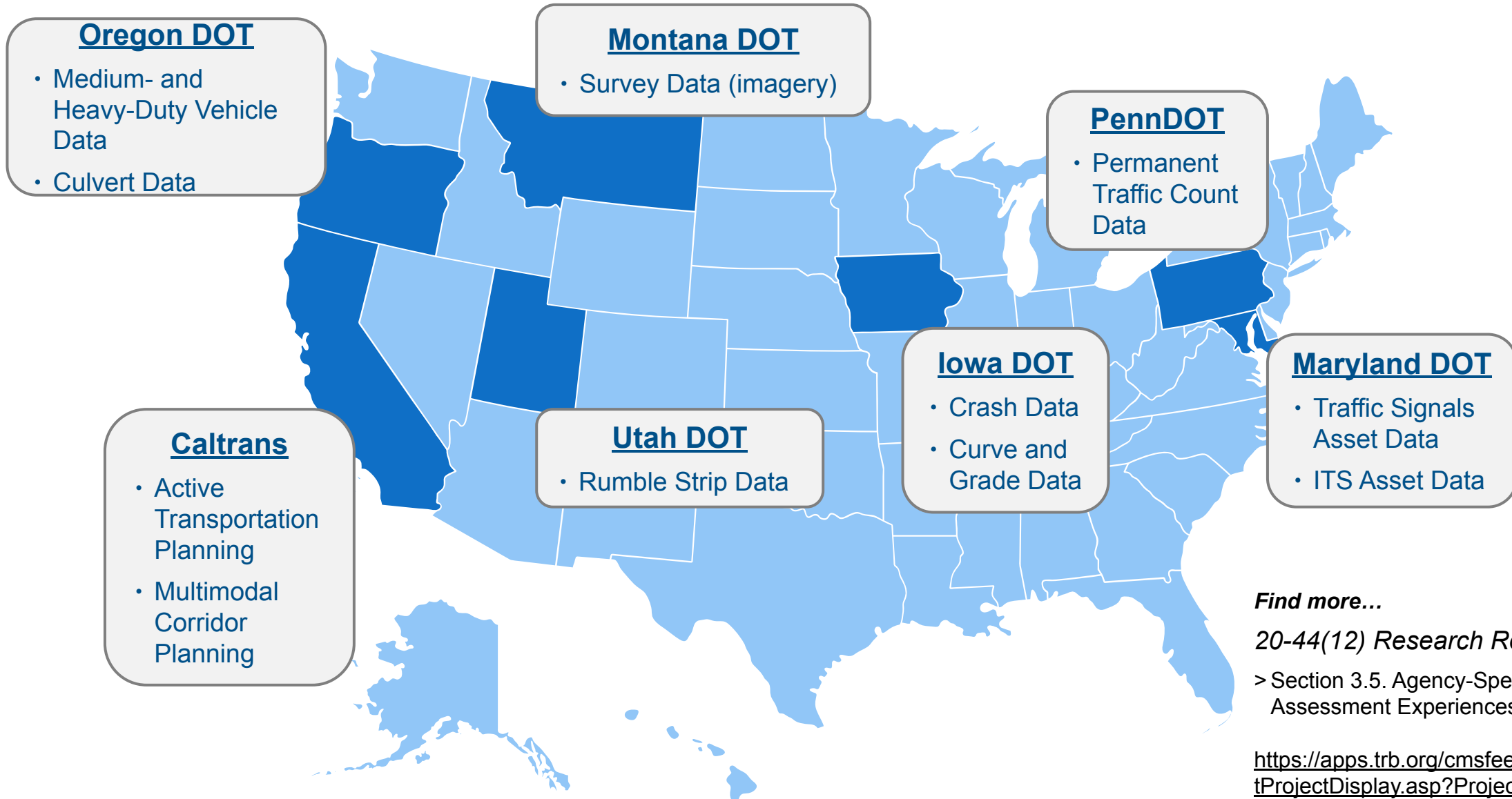
## Results: Data Value Assessment

Data Source	Importance	Quality			Usability
		Currency	Accuracy	Completeness	
Source 1	High	Good	Fair	Fair	Good
Source 2	High	Good	Fair	Fair	Good
Source 3	High	Good	Fair	Fair	Fair
Source ...	High	Good	Fair	Fair	Fair

Activity	Availability	Quality	Usability
Activity 1	Good	Fair	Good
Activity 2	Fair	Fair	Good
Activity 3	Fair	Fair	Good
Activity 4	Fair	Fair	Good
Activity 5	Excellent	Fair	Good
Activity ....	Good	Fair	Good

Business Area	Availability	Quality	Usability
Conservative (limiting activity)	Fair	Fair	Good
Optimistic (average of activities)	Good	Fair	Good

# Data Value Assessment Experiences



# Data Maturity Assessment

## *A Deeper Dive*

# Data Management Maturity Assessment Elements

## Data Strategy and Governance

- How decisions are made – What to collect? How to manage and deliver data?
- Includes roles, accountability, policies, and processes

## Data Lifecycle Management

- How data are maintained, preserved, protected, documented, and delivered

## Data Architecture and Integration

- How data is standardized and integrated to minimize duplication and inconsistencies

## Data Collaboration

- How collection and management is coordinated with internal and external users

## Data Quality Management

- How data quality is defined, validated, measured, and reported



# Data Management Maturity Levels

Maturity Level	Definition
1 – Initial	Processes, strategies and tools are generally <b>ad-hoc</b> rather than proactive or enterprise-wide; successes are due to individual efforts.
2 – Developing	Widespread awareness of more mature data management practices; <b>recognition of the need</b> to improve processes, strategies and tools.
3 – Defined	Processes, strategies and tools have been developed, agreed-upon and <b>documented</b> .
4 – Functioning	Processes, strategies and tools are generally being <b>implemented</b> as defined.
5 – Optimizing	Strategies, processes and tools are <b>routinely evaluated and improved</b> .

# Companion Digital Tool

A product of NCHRP Project 23-23

- Create Assessments
- Assess Maturity
- Select Improvements
- Summarize and Communicate Outcomes
- Support Implementation

<https://dgmassessment.tpm-portal.com/sign-in/>

My Assessments Create Assessment About My Account Sign Out

You have successfully logged in!

Welcome to the Data Governance and Management Assessment Tool

Individual Data Governance Assessment: **Test Assessment**

This is an example Individual Assessment with an Agency-Wide Scope

SUBMIT ASSESSMENT VIEW RESULTS 0 / 20 assessed

1: Data Strategy and Governance	2: Data Life Cycle Management	3: Data Architecture and Integration	4: Data Collaboration	5: Data Quality
1.1: Strategy and Direction	1.2: Roles and Accountability	1.3: Policies and Procedures	1.4: Data Asset Inventory and Value	1.6: Data Management Workforce Capabilities

Level 2: Data improvement needs are identified and communicated to management in an informal manner.

2 2

Create a Data Strategy and Business Plan  
Scope and resource an effort to develop a data strategy and business plan that is aligned with strategic goals and business needs. Engage executive sponsors and ask them to communicate their support.

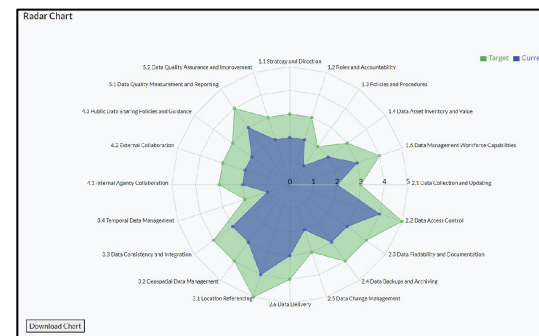
Establish Process to Compile Data Improvement Needs  
Establish a formal process to systematically identify and categorize data improvement needs. Assign ownership of this process and set up management briefings to review the results.

Level 3: Data business plans or equivalent planning tools have been prepared to identify short- and longer-term data collection and management strategies that align with business objectives. Data improvement needs have been systematically reviewed, assessed and documented.

3 3

Create an Action Plan  
Establish funding and resources aligned with the investment needs and actions identified in the data business plan. Ensure business units are appropriately staffed and resources to support implementation.

Implement and Monitor the Action Plan  
Set responsibilities and target dates for implementation actions, monitor execution, communicate achievements and hold people accountable for execution.





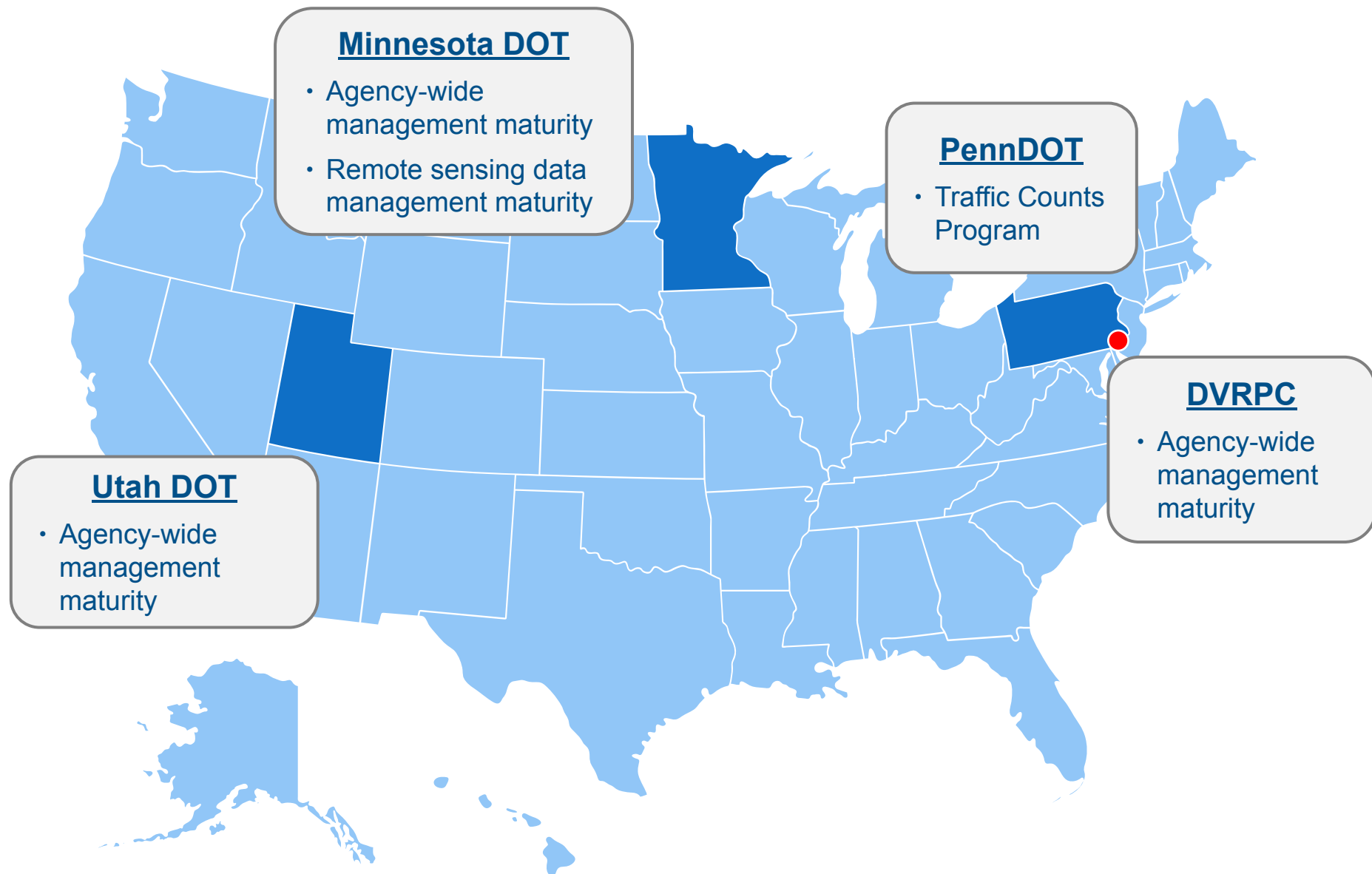
# Data Mgt. Maturity Assessment Experiences

*Find more...*

20-44(12)  
*Research Report*

> Section 3.5.  
Agency-Specific  
Assessment  
Experiences

<https://apps.trb.org/cmsfeed/TRBNetProjectDisplay.asp?ProjectID=4669>



# TAM Data Assessment

## *A Deeper Dive*

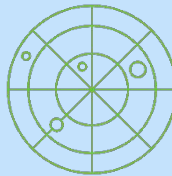
# NCHRP Report 956: TAM Data Assessment

The TAM Data Guide provides a structured approach to:

- Assess current practice
- Improve use of data and information for TAM



**Companion Digital Tool**



**Detailed Practice Benchmarking**



**Improvement Identification and Evaluation**



**Executive Communication Summaries**



**Implementation Support**

# Guidebook Technical Framework



**Specify and Standardize Data** – Establish asset, treatment, and work data standards; prioritization factors; metadata standards; and governance programs.

**Collect Data** – Address coverage, automation, and collection of data for incorporation into the TAM program.

**Store, Integrate, and Access Data** – Structure, integrate, and provide access to data to support TAM operations, management and reporting needs.

**Analyze Data** – Establish decision-support tools, techniques, and practices to develop actionable information and insights.

**Act Informed by Data** – Apply data and information systems, processes, tools, and techniques to TAM decision-making.

# Practice Benchmarking

The assessment includes 51 individual assessment elements.

- Each element has a unique set of practice benchmarks.
- The benchmarks are organized on a 0-4 scale.
- Each level in the scale has a unique practice benchmark.

Note: this differs from a Capability Maturity Model – which assesses the level of process standardization/formalization.

## Benchmark Levels

### General Practice Level Descriptions

- 0 Non-Existent:** The DOT does not have any significant practices within this aspect of their business.
- 1 Initial Steps:** DOT practices are found, however these are characterized by ad-hoc or informal application and are not likely to be endorsed by management.
- 2 Incremental Improvement:** The DOT is beginning to see formalization of the processes and structures within this aspect of their business.
- 3 Advanced Practice:** The DOT is performing at a level at or above the standard of their peers.
- 4 Top Performing:** The DOT is a leading example of practice amongst their peers.

# Companion Digital Tool

- Create Assessments
- Benchmark Performance
- Select, Evaluate, and Prioritize Improvements
- Summarize and Communicate Outcomes
- Support Implementation

A Specify and Standardize		B Collect	C Store, Integrate, and Access Data	D Analyze	E Act
A.1 Inventory, Condition, and Performance		A.2 Treatments and Work	A.3 Resource Allocation and Prioritization	A.4 Metadata	A.5 Governance
A.1.a Asset Inventory Data Model		A.1.b Asset Condition and Performance Data Model	A.1.c Design Model Standards	A.1.d Location Referencing	

### A.1.a Asset Inventory Data Model

Standardized asset categories, component breakdowns and core attributes, providing the foundation for asset inventory information tracking, integration, summary, and reporting.

Benchmark Practice Level Description	Current Level	Desired Level	Improvement 1	Improvement 2
The agency has not defined any consistent definitions or methodologies for tracking inventory information for a given asset or asset type.	0	0	Define the "asset" and determine how the asset inventory should be recorded to support current/desired practice.	Coordinate with field and office staff to identify current inventory data collection practices and standards.
The agency has defined the "asset", documented how this asset's inventory should be tracked (e.g. modeling vs. true inventory) and defined the general form for inventory data (e.g. asset points, lines, or polygons, or roadway segments, general asset counts).	1	1	Develop the "asset breakdown structure", providing clear criteria for identifying various asset "sub-types" and "components".	Evaluate existing inventory standards to identify gaps or inconsistencies in current standards for improvement.
The agency has established an asset breakdown structure for the asset, defining various asset subtypes and components. Clear and comprehensive criteria for evaluating these assets into these sub-types and identifying various components are established.	2	2	Specify detailed inventory data elements for each asset, sub-type, and component. Set required, recommended, and optional inventory data.	Specify minimum levels of inventory data coverage to meet decision-making, communication, and reporting needs.
The agency has identified a minimum set of standard inventory attributes to be stored for the asset (e.g. unique identifier, location, install date, asset subtype, size/measure). Required, recommended, and optional data elements are identified. Desired extent of collection is established.	3	3	Document a detailed asset information model facilitating direct integration of asset inventory with maintenance work orders and project files.	
The agency has defined a detailed asset information model that supports direct integration with project and maintenance information, contracts and/or design files.	4	4	<b>Assessment Stats:</b> # of Selected Improvements: 2 # of Custom Improvements: 0	

### A.1.a Asset Inventory Data Model

Reassess
Hide This Improvement
Show Element Description

Develop the "asset breakdown structure", providing clear criteria for identifying various asset "sub-types" and "components".

Impact

High

Medium

Low

Low

Medium

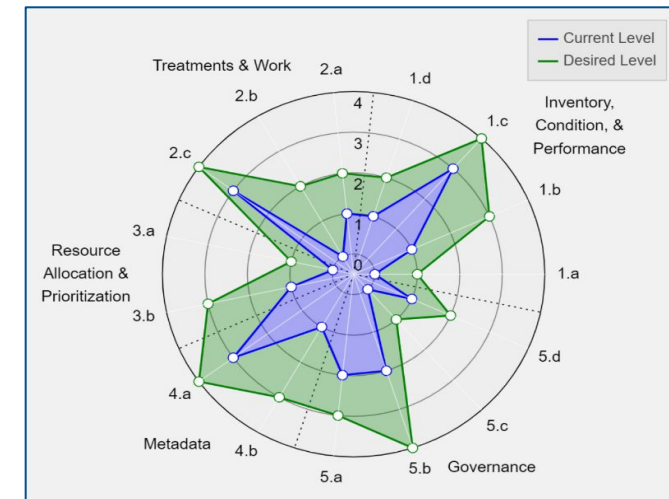
High

Challenges

☐ No Significant Challenges
☐ Time
☐ Resources
☐ Expertise
☒ Coordination
☐ Change
☐ Other

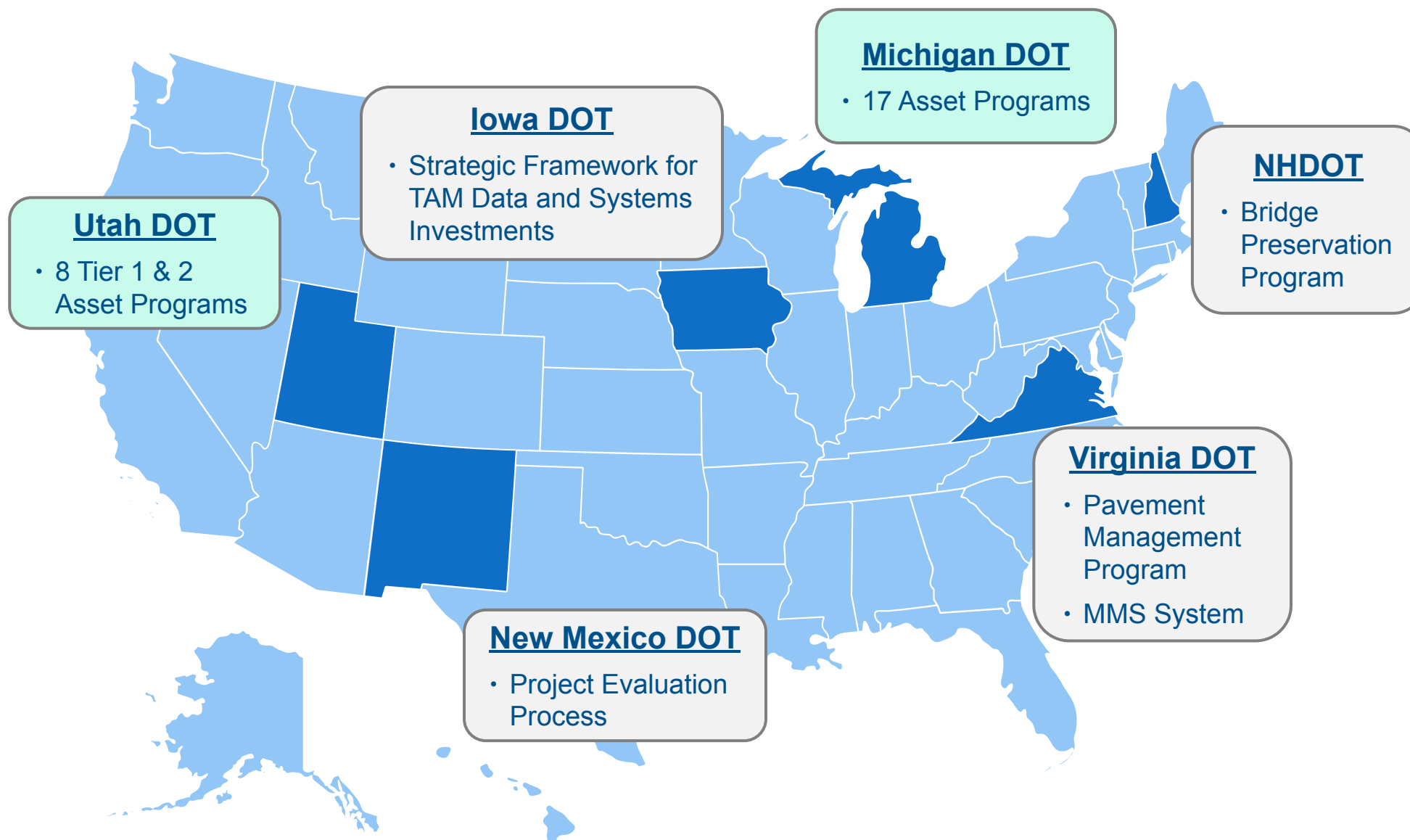
Priority

Medium ▼



<https://dataassessment.tam-portal.com/login/>

# TAM Data Assessment Experiences



*Find more...*

*AASHTO TAM  
Data Guide:*

> Support Materials

> Research  
Implementation  
Examples

<https://www.tamdataguide.com/research-implementation-examples/>



# Implementation Support Materials



# Report 814 Data Assessment Facilitator Manual

Step-by-step instructions for each phase in the Data Value and Management Maturity assessments.

Organized into three sections:

- “Getting Started”
- Data Management Maturity Assessment Facilitation
- Data Value Assessment Facilitation



NCHRP Report 814

Transportation Agency Data Self-Assessment

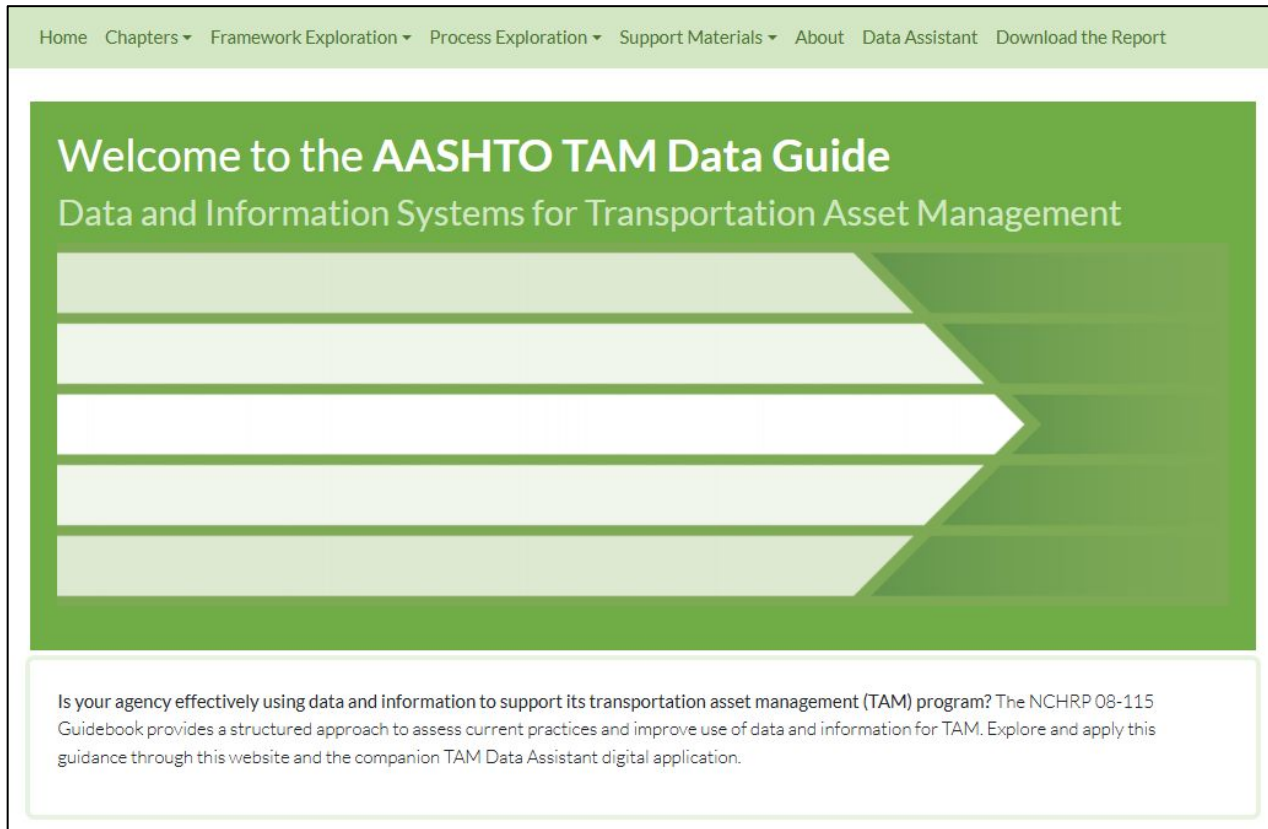
## **Facilitator Manual**

A product of the NCHRP 20-44(12) Research Implementation Project:

Building Capacity for Self-Assessment of Data Effectiveness for Agency  
Business Needs

# AASHTO TAM Data Guide and TAM Data Assistant

Web-based support for the TAM Data assessment.



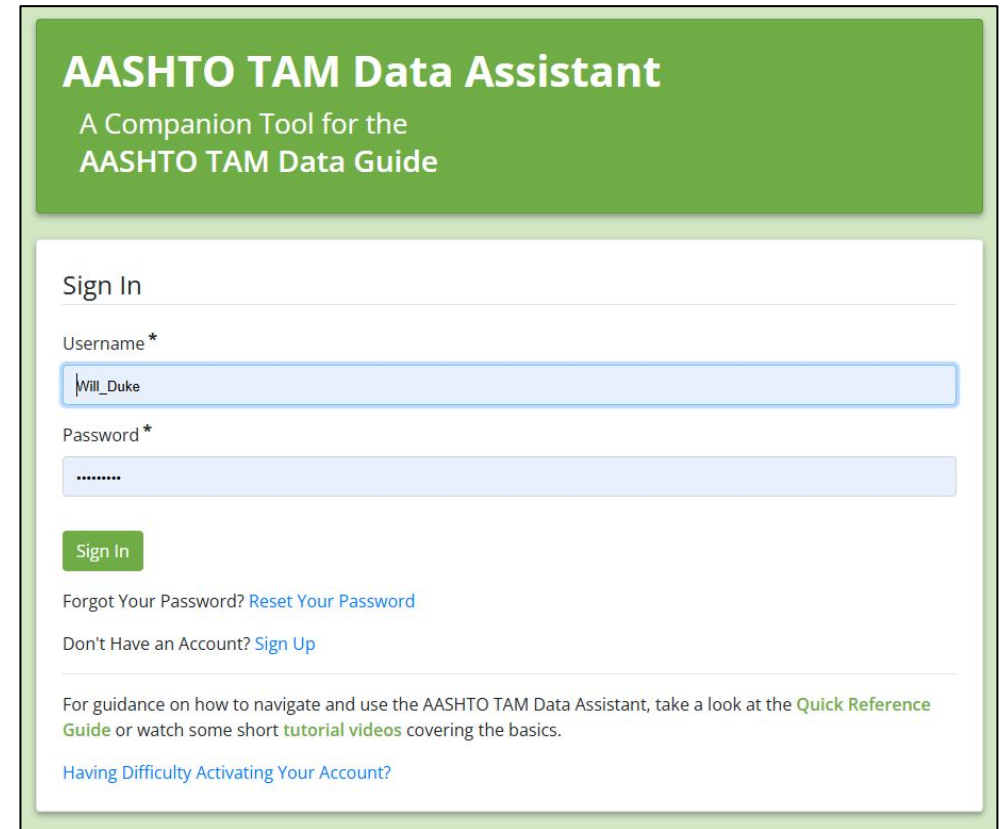
Home Chapters Framework Exploration Process Exploration Support Materials About Data Assistant Download the Report

## Welcome to the AASHTO TAM Data Guide

Data and Information Systems for Transportation Asset Management

Is your agency effectively using data and information to support its transportation asset management (TAM) program? The NCHRP 08-115 Guidebook provides a structured approach to assess current practices and improve use of data and information for TAM. Explore and apply this guidance through this website and the companion TAM Data Assistant digital application.

<https://www.tamdataguide.com/>



## AASHTO TAM Data Assistant

A Companion Tool for the AASHTO TAM Data Guide

### Sign In

Username \*

Password \*

[Sign In](#)

Forgot Your Password? [Reset Your Password](#)

Don't Have an Account? [Sign Up](#)

For guidance on how to navigate and use the AASHTO TAM Data Assistant, take a look at the [Quick Reference Guide](#) or watch some short [tutorial videos](#) covering the basics.

[Having Difficulty Activating Your Account?](#)

<https://dataassessment.tam-portal.com/login/>



# Data Self-Assess ment Resources

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## **NCHRP Report 814**

<https://www.trb.org/Main/Blurbs/173470.aspx>

## **NCHRP Project 20-44(12)**

<https://apps.trb.org/cmsfeed/TRBNetProjectDisplay.asp?ProjectID=4669>

## **NCHRP Project 08-115**

<https://apps.trb.org/cmsfeed/TRBNetProjectDisplay.asp?ProjectID=4362>

## **NCHRP Project 23-23**

<https://apps.trb.org/cmsfeed/TRBNetProjectDisplay.asp?ProjectID=5168>

## **Data Management Assessment Tool**

<https://dgmassessment.tpm-portal.com/sign-in/>

# Thank You

**Please contact me any time!**



**Will Duke**

[wduke@spypondpartners.com](mailto:wduke@spypondpartners.com)





# CPBM Business Meeting:

## CPBM Subcommittee & Task Force Updates

Christos Xenophontos, Rhode Island DOT  
AASHTO CPBM Chair



# Subcommittee on Policy and Rulemaking

Ryan Huff, Nebraska DOT

Lori Fisette, Rhode Island DOT



# Reauthorization and TAMP NPRM

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- Update on Executive Orders and other policy actions
- Reauthorization - Interview with Senate EPW on 2/18
- Update on USDOT's new governing principles and priorities



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# Subcommittee on Research

Edgardo Block, Connecticut DOT  
Alma Mujkanovic, Georgia DOT





# Subcommittee on Organizational Management

Gary Vansuch, Colorado DOT  
David Putz, Iowa DOT  
Gehan Elsayed, West Virginia DOT





# Mission & Focus



- **Mission** - The focus of the Subcommittee on Organizational Management is on the development and implementation of:
  - Organizational management processes
  - Measures
  - Improvement frameworks
  - Strategies...in order to optimize the efficiency and effectiveness of transportation agencies
- We employ this definition of “Organizational Management” - the process of organizing, planning, leading and optimizing resources within an agency with the overall aim of achieving its goals and objectives.
- The concept of organizational management is based on the idea that there is a correlation between an agency’s capabilities in people, operations. and agency strategies to successfully implement their goals and objectives.



# Current Activities



- Leadership of the the OM Subcommittee is working to clarify the focus of the Subcommittee, including the products and services produced by the Subcommittee for its customers
- Following that, the OM Subcommittee work with key executives at AASHTO member organizations to recruit members for the Committee
- The OM Committee has partnered for many years with the TRB Committee on Workforce Development and Organizational Excellence (AJE15)
  - The TRB Summit on the Future of the Transportation Workforce is a key upcoming product, in early June in the Denver metropolitan area.





# Task Force on Emerging Performance Areas

Kelly Travelbee, Michigan DOT



# Subcommittee on Risk Management

Nathan Lee, Utah DOT  
William Johnson, Colorado DOT  
Monica Aleman-Smoot, Texas DOT



# Recent Activities

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- **Recap of February Meeting**
  - **Select TRB Topics:**
    - AJE00(1) presentation and recommendations
    - MHEVRA Tool - Georgia DOT
  - **NPRM (23 CFR part 515) and the Subcommittee on Risk Management**
    - Comments submitted by AASHTO
- **Next meeting April 14 1:00 PM Eastern**
  - **Soliciting presenters on project and delivery risks**



# Recent Activities

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- **NCHRP 23-32 Project and Task Force Update**
  - **Future Manual has a name:**
    - **Transportation Asset Risk and Resilience (TARR)**
  - **Workshop on February 25 & 26**
    - **Covered threat/asset pair models for:**
      - **flood/pavement and bridge, storm surge/bridge, embankment erosion/roadway prism, rockfall/roadway prism, heat/rail, wind/mast arm**
    - **Working on sending out tabletop exercises to the Task Force and other stakeholders for additional feedback.**



# Recent Activities

- NCHRP 23-32 Project and Task Force Update
  - New project website
    - [tarrmanual.com](http://tarrmanual.com)

## TARR MANUAL OBJECTIVES

The NCHRP Project 23-32 is developing a science-based technical manual to assess risk and resilience in transportation planning, design, construction, operation, maintenance, and emergency response and recovery decisions. The key objectives of the TARR Manual are:



### Risk Assessment Methodology

Quantitative, repeatable methods for conducting risk assessments on top priority threats/hazards for transportation assets



### Historical Data Support

A historical data-capture process and system to support risk and resilience modeling and assessments



### Resilience Assessment

Quantitative resilience assessment methods and metrics for transportation assets



### Identify Top Strategies

Standardized methods to help transportation agencies identify the most appropriate risk mitigation or resilience improvement strategies



### Promote AASHTO Adoption

The goal is for the manual to be adopted by AASHTO





# Subcommittee on Asset Management

Michael Johnson, California DOT  
Justin Bruner, Pennsylvania DOT



# Recent Activities

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- The Sub-committee has been focused on setting our work plan for the year.
- We conducted an online poll of our members to determine which of our potential work plan activities resonated.
- In 2025 much of the sub-committee work will revolve around the national conference in August.
- The sub-committee is taking the lead on the development of the Peer Exchange in conjunction with the national conference.



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# Discussion



# Review Action Items



# Wrap Up

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- Notes and materials from this meeting will be posted on the TPM Portal at [TPM-portal.com](https://TPM-portal.com)
- Visit the TPM Portal for tools and resources, including links to the TPM Training Hub, TPM Webinar Series slides and recorded sessions, videos, state performance-based plans, and much more content for the TPM Community
- Watch you email for the upcoming Winter 2025 TPM Newsletter focusing on Access to Destinations and other updates
- Join us for upcoming TPM Webinars!
  - TPM Webinar #25 (March 19, 2025, 2-3:30 PM ET) Topic: Part 2 - Case Studies: Identifying Data Gaps and Developing New Data Collection Processes to Inform Decision-Making
  - TPM Webinar #26 (May 21, 2025, 2-3:30 PM ET) Topic: Case Studies in Telling a Story: How to Leverage Collaboration and Communication in Performance Management