

TRANSPORTATION • WATER • UTILITIES • COMMUNICATIONS

JOIN THE REGIONAL CONVERSATION

Improving Michigan's Infrastructure Asset Management

WHY SHOULD I ATTEND?

- Learn • Contribute to the Conversation
- Collaborate with Peers • Prepare for Asset Management Plans

WHO SHOULD ATTEND?

- Practitioners
- Managers • Elected Officials
- Public Infrastructure Owners • Private Infrastructure Owners

WELCOME!

Introductions and Objectives

- Begin the journey down the path of collaboration and coordination
- Provide opportunity for peer-to-peer engagement
- Hear from you – feedback on opportunities and challenges

Infrastructure Impacts all Michiganders

Public Health and Quality of Life

- Clean and safe drinking water
- Safe and faster commutes

Economic Prosperity

- Business relies on effective infrastructure
- Unplanned and “emergency” fixes are expensive

Healthy Environment

- Preservation of unique natural resources



Michigan's Infrastructure is Challenged

- Expansive and Complex Network
- Aging and in need of costly repairs/replacements
- Limited and unsynchronized funding sources
- Siloed ownership
- Uncoordinated repair cycles



What are Michigan's Infrastructure Assets?



What is Management?



[Car photo created by people relations - www.freepik.com](https://www.freepik.com/free-photos-vectors/car)

What is Asset Management?

Asset management is a process used in decision-making.

It helps us care for the infrastructure that delivers valuable services to our communities in a way that:

- Considers service needs of the community
- Manages risks and opportunities
- Uses resources wisely



Courtesy of



Building a Culture of Asset Management

Asset management is **not...**

- Standalone plan or project
- Software
- Data collection
- An individual
- Money

It is a comprehensive approach to all of these inputs!



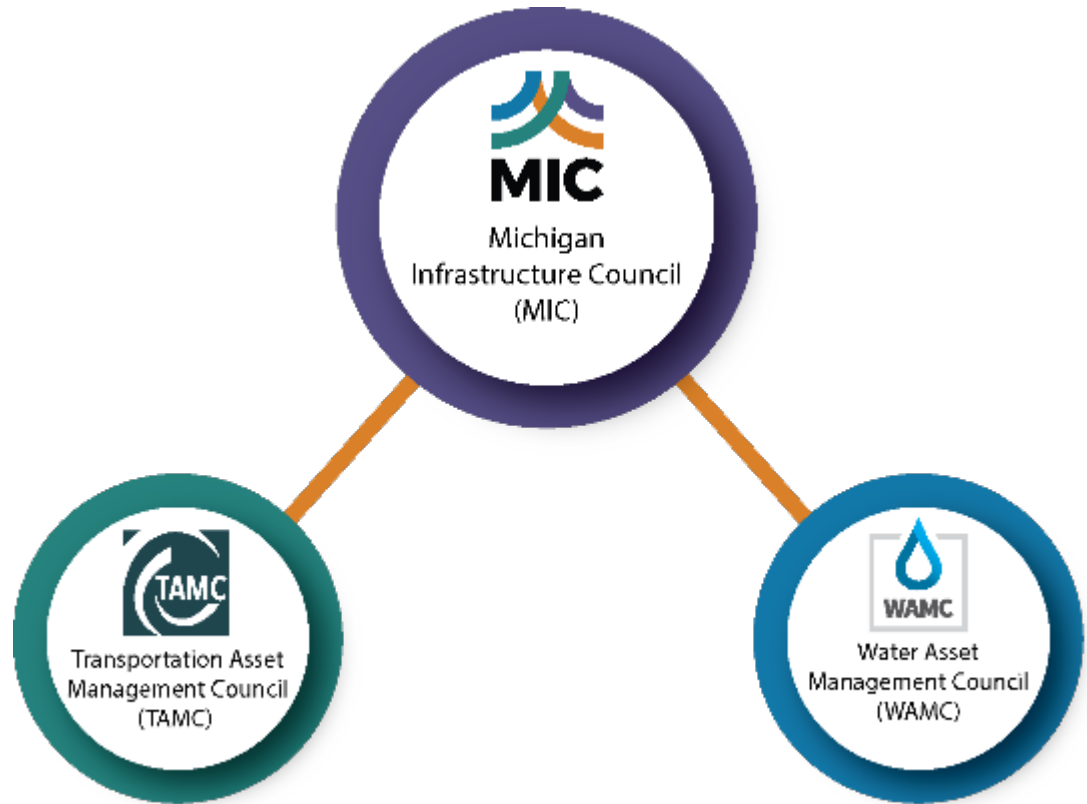
Identifying Opportunity in Challenge

- 21st Century Infrastructure Commission
 - Long-term vision and recommendations across transportation, water, energy, and communications
- Infrastructure Asset Management Pilot
 - Focused, cross-asset inventory and assessment in 16 West and Southeast Michigan Counties



Building the Foundation for Statewide Integrated Asset Management

- P.A. 323 of 2018 creates the Michigan Infrastructure Council (MIC)
- P.A. 324 of 2018 creates the Water Asset Management Council (WAMC) under MIC
- P.A. 325 of 2018 realigns the Transportation Asset Management Council (TAMC) under MIC



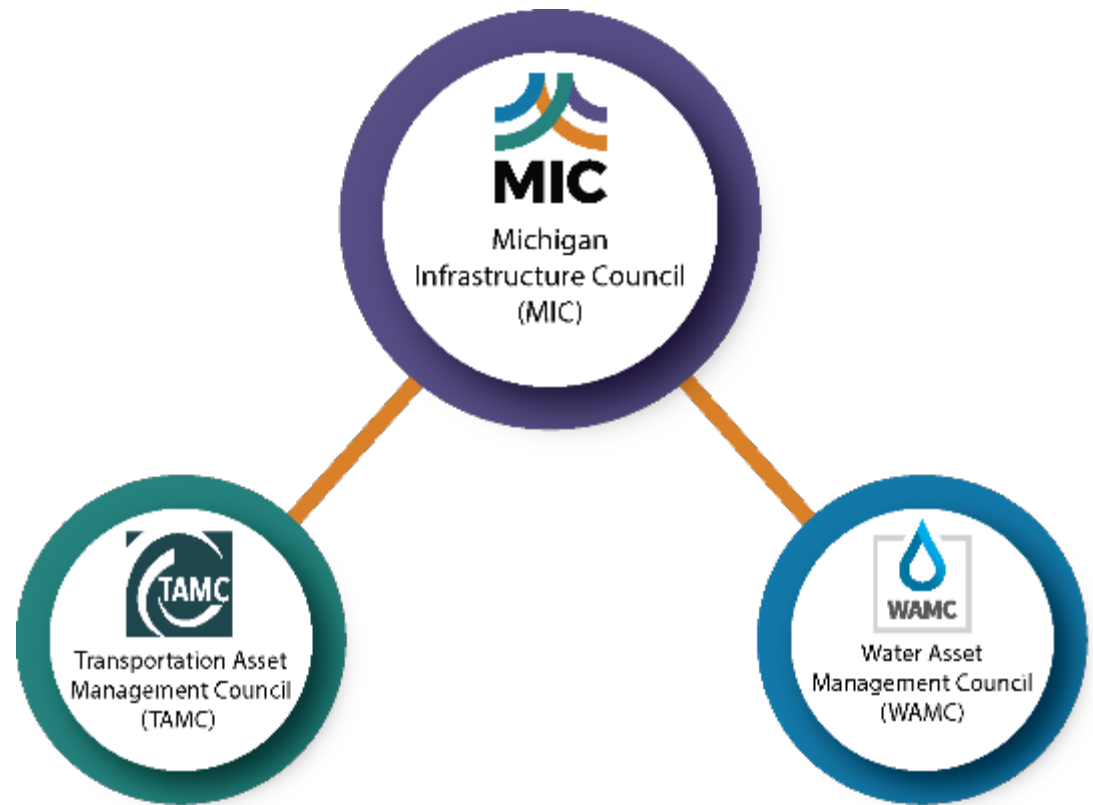
MIC Mission & Goals – Working Toward a 30 Year Strategy

Mission: Define a vision for Michigan's infrastructure that provides the foundation for public and environmental health, economic prosperity, and quality of life



MIC Sub-Councils

- Provide subject matter expertise and guidance to the MIC
- Develop asset management templates
- Identify statewide training needs
- Conduct annual reporting
- Participate on the MIC



Water Asset Management Council Mission

Foster and support a statewide culture of asset management focused on the role of water infrastructure in providing public health and optimizing stakeholder value



Water Asset Management Strategy

- Drinking Water
- Wastewater
- Storm Water



Transportation Asset Management Council Mission

To Develop and Support Excellence in Managing Michigan's Transportation Assets by:

1. Advising the Legislature, State Transportation Commission (STC), Michigan Infrastructure Council (MIC) and Transportation Committees.
2. Promoting Asset Management Principles
3. Providing tools and practices for road agencies.
4. Collaborate and coordinate with Water Asset Management Council (WAMC) and other asset owners.



Transportation Asset Management

- Roads
- Bridges
- Culverts
- Signals
- Other?



Asset Management Plan Components

WAMC

- Asset inventory
- Level of service analysis (Performance goals)
- Risk of failure analysis
- Anticipated revenues and expenses
- Performance outcomes analysis
- Description of plans to coordinate
- Proof of acceptance/adoption by governing body

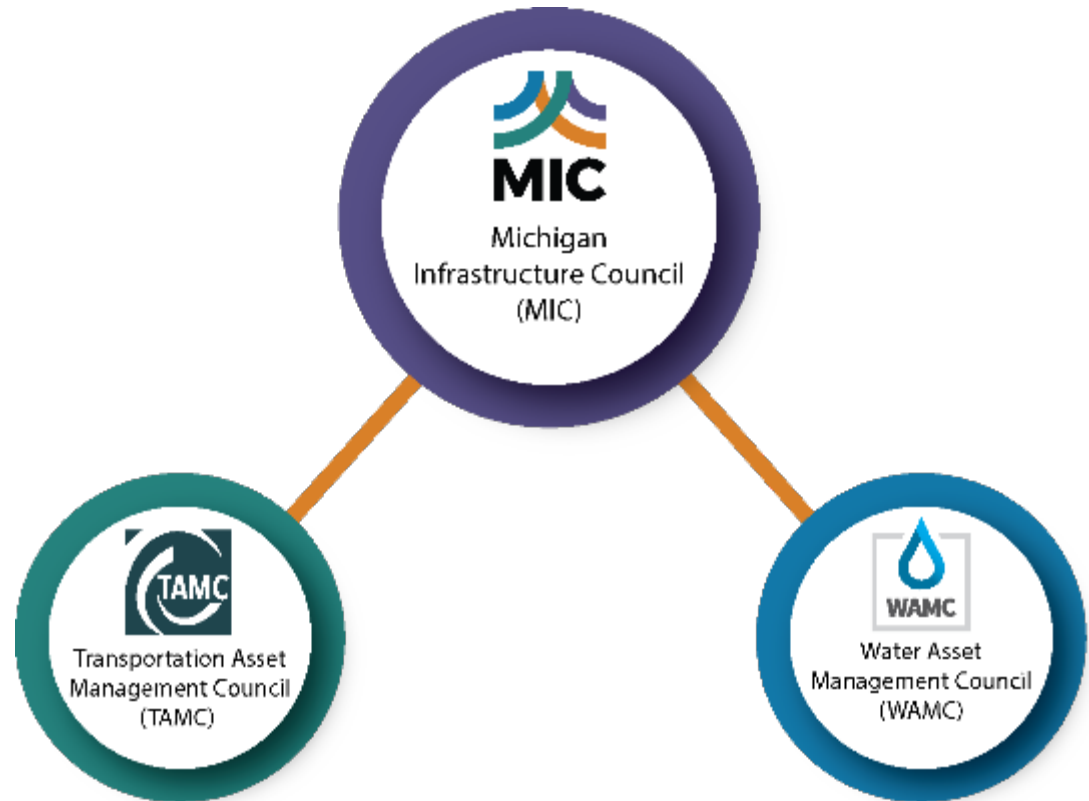
TAMC

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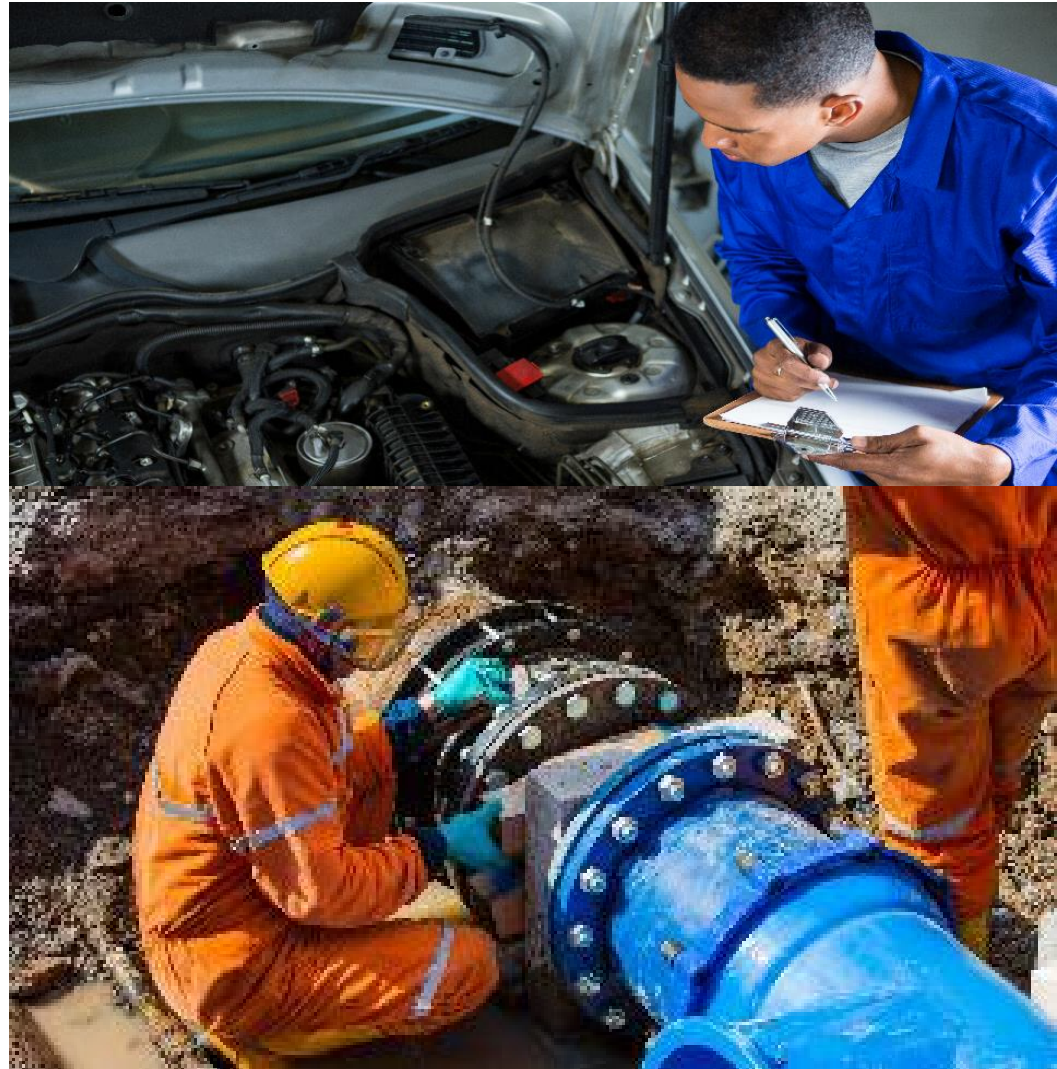
Three Councils – One Message

- **Unified** – Culture of Asset Management across assets and across Michigan
- **Tactical** – Common definitions, standards, processes, requirements
- **Strategic** – Coordinated training/education, projects, funding, policy, analytics



We are all asset managers...

Asset management is part of our everyday lives.



Group Activity

After the Break - Organize into small groups

- Goals:
 - Sit with someone new
 - Asset diversity
 - No more than 2 similar colored dots per table
- Designate one person as the scribe
- Designate one person as the “spokesperson”

BREAK

15 minute break

Organize into groups following the break

Group Activity

- Introduce yourselves to your group
 - Name, where you work, and what asset(s) do you own/manage/maintain.
- Discuss and brainstorm answers to the following questions:
 - **How can Michigan improve the culture of infrastructure asset management?**
 - What are we doing that fails?
 - What are we doing that works?
 - **Do you have suggestions for increasing cross – asset project coordination?**
 - What are the barriers to project coordination today?
 - Where are there opportunities for improvement?



Report out and Discussion

Did we succeed today?

- Did you meet someone new?
- Did you have a new discussion or think about infrastructure asset management in a new way?
- Do you have any final thoughts or suggestions that could improve upcoming summits?

Next Steps

- **Incorporate Feedback:** The information gathered at the statewide Regional Asset Management Summits will be compiled, shared, and used to drive future content/activities
- **Build a Shared Understanding:** Fall summits will take a deeper dive into integrated asset management and provide tools for improving asset management policy, strategy, and governance.
- **Collaborative Technology:** Fall summits will introduce a project portal that will enable communities, infrastructure owners, and other decision makers to collaborate.

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Thank You