



Michigan  
Infrastructure  
Council

# ANNUAL REPORT

Fiscal Year  
2022



Developing a 30-Year Integrated  
Infrastructure Strategy for Michigan.

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## Executive Summary

The purpose of the Michigan Infrastructure Council (MIC) is to map out a long-term strategic framework for addressing the critical needs of the infrastructure systems that support our quality of life and overall economy. Through its annual reports the MIC seeks to inform policymakers, infrastructure asset owners, and the public of its annual progress towards building a culture of asset management throughout the infrastructure community and developing an integrated infrastructure strategy that supports the development of more reliable, resilient, and sustainable infrastructure for future generations.

Despite numerous operational challenges in the last twelve months, the MIC has continued to make progress towards delivering on its legislative directive. In the first quarter of 2022, the MIC welcomed a new executive director and a new analyst to provide ongoing administrative support to the MIC. Fiscal year 2022 (FY22) also marked the return to the in-person meetings after nearly two years of virtual operations due to the pandemic. While many of the restrictions around public gatherings and conferences were lifted, lingering uncertainty about the virus and the prioritization of our stakeholder's health led to a decision to offer MIC training, outreach, and webinars in a virtual capacity in FY22. Notwithstanding this restriction, the MIC was able to enroll its largest Asset Management (AM) Champions training class to-date in April. Based on a growing waitlist for the program after the conclusion of the fall training, the MIC moved to offer an additional spring AM Champions program to keep up with stakeholder demand. The MIC also saw measured growth in stakeholders participating in the MIC Project Portal. Since its launch in March 2021, the MIC Staff has worked with several state agencies, municipalities, and private utilities to pilot the functionality of the system and work with users to develop road maps to improved project planning and coordination. Based on user feedback, the MIC released the second version of the product in April 2022 and is working on third enhancement of the system to be completed in October 2022. The last year also saw the kick-off to the inaugural MIC 30-Year Integrated Infrastructure Strategy. After contracting delays associated with the pandemic, the MIC secured a contractor for the delivery of the Strategy in December 2021. The MIC is excited to begin engaging with the infrastructure community, technology providers, the vendor community, policy makers, and other stakeholders across the state to craft this landmark document. Above all, the last year has been about regaining the momentum. This momentum would not have been achieved without the hard work and dedication of MIC council members led by Chairperson, John Weiss and Vice-Chairperson, Kathleen Lomako, and the support of interim MIC Executive Director Larry Steckelberg. Through these difficult times your resilience, positive attitudes, and commitment to public service has been key to the MIC's ongoing success.

Looking forward, there is great opportunity ahead for the MIC and its stakeholders. The Bipartisan Infrastructure Law (BIL) passed in November 2021 and is expected to deliver Michigan infrastructure owners \$7.3 billion to fix roads, \$563 million for bridge replacement or repairs, \$1 billion to improve public transportation, and \$1.3 billion to improve water infrastructure from 2022-2026.

This federal action was followed by our state legislative partners passing the bi-partisan Building Michigan Together plan into law and passing the largest infrastructure budget in Michigan history including \$6.3 billion for state and local roads, bridges, airports, transit, and rail programs in fiscal year 2023. The MIC would like to thank our state and federal partners for their commitment to revitalizing Michigan's infrastructure systems. The MIC looks forward to supporting infrastructure owners as they look to maximize the value of these historic investments.





# Michigan Infrastructure Council – Legislation and Composition

## Legislation

Three pieces of legislation were passed on July 2, 2018, to establish the Michigan Infrastructure Council and the Water Asset Management Council and to realign the Transportation Asset Management Council.

- Public Act 323 of 2018 – Established the Michigan Infrastructure Council (MIC) within the Michigan Department of Treasury
- Public Act 324 of 2018 – Established the Water Asset Management Council (WAMC) within the Michigan Infrastructure Council. WAMC is staffed through the Michigan Department of Environment, Great Lakes, and Energy (EGLE)
- Public Act 325 of 2018 – Broadened the scope and realigned the Transportation Asset Management Council (TAMC) within the Michigan Infrastructure Council. TAMC continues to be staffed through the Michigan Department of Transportation (MDOT)

The three councils work in consort with other asset managers and owners to provide strategic guidance across transportation, water, utility, and telecommunications infrastructure. MIC serves as the unifying council, integrating efforts across all infrastructure types, while the TAMC provides leadership with regard to roads, bridges, culverts, and signals and WAMC provides leadership with regard to drinking water, wastewater, and stormwater.

## Council Members

As defined through Public Act 323 of 2018, the Michigan Infrastructure Council is charged with bringing together public and private infrastructure owners, regional representatives, finance and policy experts, and state departments to coordinate and measure infrastructure goals, safeguard investments, and develop an efficient, strategic, and statewide framework for integrated asset management.

The MIC is comprised of nine voting members, appointed by the Governor and the state legislature to represent varied areas of expertise, Michigan's diverse geography, differing scales of infrastructure systems, public and private sectors, and local, regional, and state governments. The MIC is also comprised of nine non-voting members representing six state agencies and leadership from TAMC, WAMC, and the Michigan Public Service Commission (MPSC).

### Mission

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

**Table 1: Voting Members**

Name	Affiliation	Appointed by	Term
Mr. John Weiss, Chairperson	Grand Valley Metropolitan Council	Senate Majority Leader	12/31/2023
Ms. Kathleen Lomako, Vice-Chairperson	Southeast Michigan Council of Governments	House Minority Leader	12/31/2022
Mr. Marco Bruzzano	DTE Energy	Governor	12/31/2024
Mr. John H. Daly III	Lapeer County Road Commission	Senate Minority Leader	12/31/2022
Mr. Daniel Fredendall	OHM Advisors	Speaker of the House	12/31/2023
Mr. Jon Kangas	Marquette Township	Governor	12/31/2022
Ms. Erin Kuhn	West Michigan Shoreline Regional Development Commission	Governor	12/31/2024
Ms. Palencia Mobley	Detroit Water and Sewerage Department	Governor	12/31/2023
Ms. Beverly Watts	Wayne County	Governor	12/31/2024

**Table 2: Non-Voting Members**

Name	Affiliation	Term
Ms. Jodi Gruner	MDARD - Agriculture and Rural Development	2021 - Present
Mr. Aaron Keatley	EGLE – Environment, Great Lakes, and Energy	2018 - Present
Mr. Erik Eklund	MDNR - Natural Resources	2022 - Present
Mr. Todd White	MDOT - Transportation	2022 - Present
Mr. Eric Swanson	DTMB - Technology, Management and Budget	2018 - Present
Ms. Heather Frick	Department of Treasury	2021 - Present
Ms. Charyl Kirkland	MPSC - Public Service Commission	2022 - Present
Ms. Joanna Johnson	TAMC - Transportation Asset Management Council	2018 - Present
Ms. Sue McCormick	WAMC - Water Asset Management Council	2018 - Present

## FY2022 Meeting Schedule

MIC conducted meetings in accordance with the Open Meetings Act, 1976 Public Act 267, MCL15.261 to 15.27 and in alignment with Public Act 323 of 2018, MIC approved a quarterly meeting schedule for annual year 2022. A full listing of meeting materials and meeting minutes can be found on the MIC website: [www.michigan.gov/mic](http://www.michigan.gov/mic).

## FY2022 Significant Accomplishments and Next Steps

The Michigan Infrastructure Council (MIC) had an active and successful year. As detailed in the following pages, MIC committees and subgroups progressed many workplan initiatives in alignment with legislative requirements and the five MIC goals: Coordinate, Collaborate, Prioritize, Educate, and Invest.

### Asset Management Education and Training

Following the success of the 2021 Asset Management Champions pilot program, the MIC decided to add the program to its asset management training and education curriculum for FY22. The program was also expanded to include three continuing education webinars for past graduates and a webinar series for engineering consultants. Based on feedback from participants, the MIC is looking to further expand asset management training next year to meet the evolving asset management needs of our stakeholders.

### MIC Project Portal

Since its launch in 2021, the MIC Project Portal has seen significant growth in its user base. Over the last year the MIC has worked with early adopters to better understand and evolve the user experience. These conversations led the MIC to multiple updates during the year to improve its design and functionality.

### 30-Year Integrated Infrastructure Strategy

The MIC kicked off its inaugural 30-Year Integrated Infrastructure Strategy in March of 2022. The 30-Year Strategy will provide a vision and actionable steps for asset class needs. This work is being guided by a committee composed of leaders from council of expertise in transportation, water, and energy. The contractor procured has developed a work plan and is developing the process of seeking input from stakeholders. To support the Council's Development of the inaugural 30-Year Integrated Infrastructure Strategy, Chairman John Weiss appointed a subgroup to set priorities and guide the work of WSP Michigan.

### MIC Staffing (Department of Treasury)

The fiscal year saw numerous operational changes for the MIC Staff within the Department of Treasury. In January 2022, the MIC hired a new analyst Nathan Hamilton to support the Council's work and programs. In February, the MIC welcomed a new Executive Director Ryan Laruwe. Mr. Laruwe previously served as a non-voting member for the Council representing the Michigan Public Service Commission from 2018-2021.

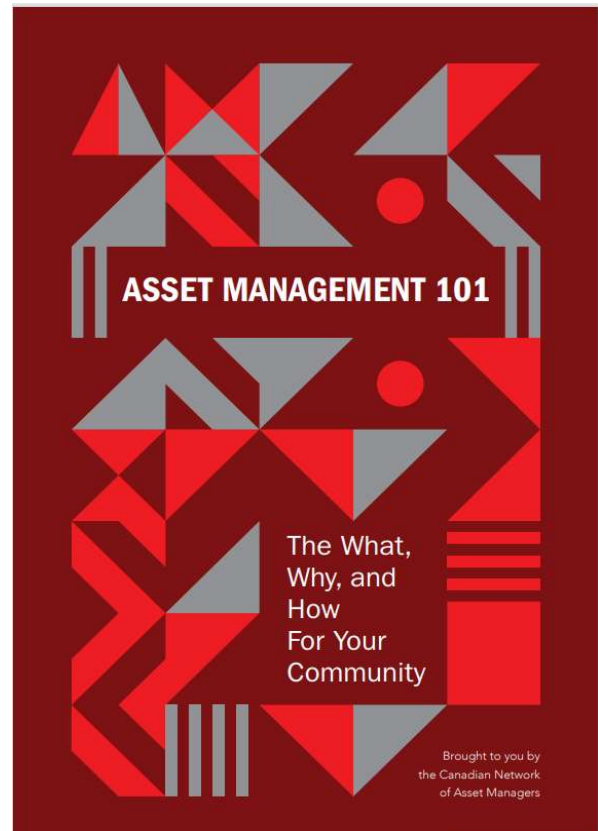


# MIC Asset Management Training and Education

## Background

Asset management is a modern approach to infrastructure management that involves continually inventorying and assessing infrastructure condition so that planned maintenance can be done to extend the service life of an asset before it must be replaced. An effective asset management program makes it more economical to maintain performance and appropriate levels of service. The result is cost savings for local communities and users, satisfaction for customers, and improved security, safety, and public health for our communities. Implemented in a standardized and systematic way across infrastructure types, asset management can improve coordination and increase cost savings even further.

Since its inception in 2018, the MIC has focused on developing training and promoting resources and tools that support public and private infrastructure owners as they work to adopt more comprehensive and collaborative approaches to managing their infrastructure assets. Realizing that many of our infrastructure owners are early in their asset management journey, the MIC initial training offerings have focused on helping participants understand the big picture and overall value proposition of an effective infrastructure asset management program.



## Asset Management Champions Program (AM Champions)

In April 2021, the MIC launched the AM Champions training program for local, regional, or state government employees and public-sector asset owners. The program sets out to establish a network of talented individuals and organizations to help strengthen and "champion" best practice asset management across Michigan's complex infrastructure environment. The program seeks to build asset management awareness, develop knowledge of the MIC Asset Management Readiness Scale (AMRS), and establish peer networks, and build a common language and understanding of the asset management discipline across an organizations department. Led by expert consultants who are well versed in the asset management value proposition and organizational change management, the program helps participants understand the evolving role of asset managers in modern infrastructure operations. Delivered over a three-month period, this self-directed program takes approximately 25 hours to complete and includes three "learning pods" where participants discuss program content with their peers and share their experiences and lessons learned.

The AM Champions pilot program in 2021 was an overwhelming success with 98% of graduates feeling they are better positioned to champion their organizations transition to improved asset management practices. Based on this positive feedback from the pilot and the significant demand for this type of training expressed by our stakeholders, the MIC offered two AM Champion programs in 2022. By the end of the year, more than 215 asset owners are expected to have graduated the program. The MIC is also in the process of developing an asset management program specifically targeting decision makers and other stakeholders. This program will be launched in 2023.

## Asset Management in The Morning (AM in the AM)

In the world of public infrastructure, it is important to recognize that many smaller infrastructure owners are outsourcing the design, engineering, construction and operation of their systems. These vendors will serve as proxy for the asset owners during these stages of infrastructure deployment and are therefore crucial stakeholders in the MIC's effort to build a statewide culture of asset management. To better involve these stakeholders, the MIC launched its AM in the AM webinar series in 2022. This webinar series connects the engineering consultants with the MIC's asset management programs and resources that can help them better serve their clients and connect their clients with MIC tools and training.

## Asset Management Champions Webinar Series

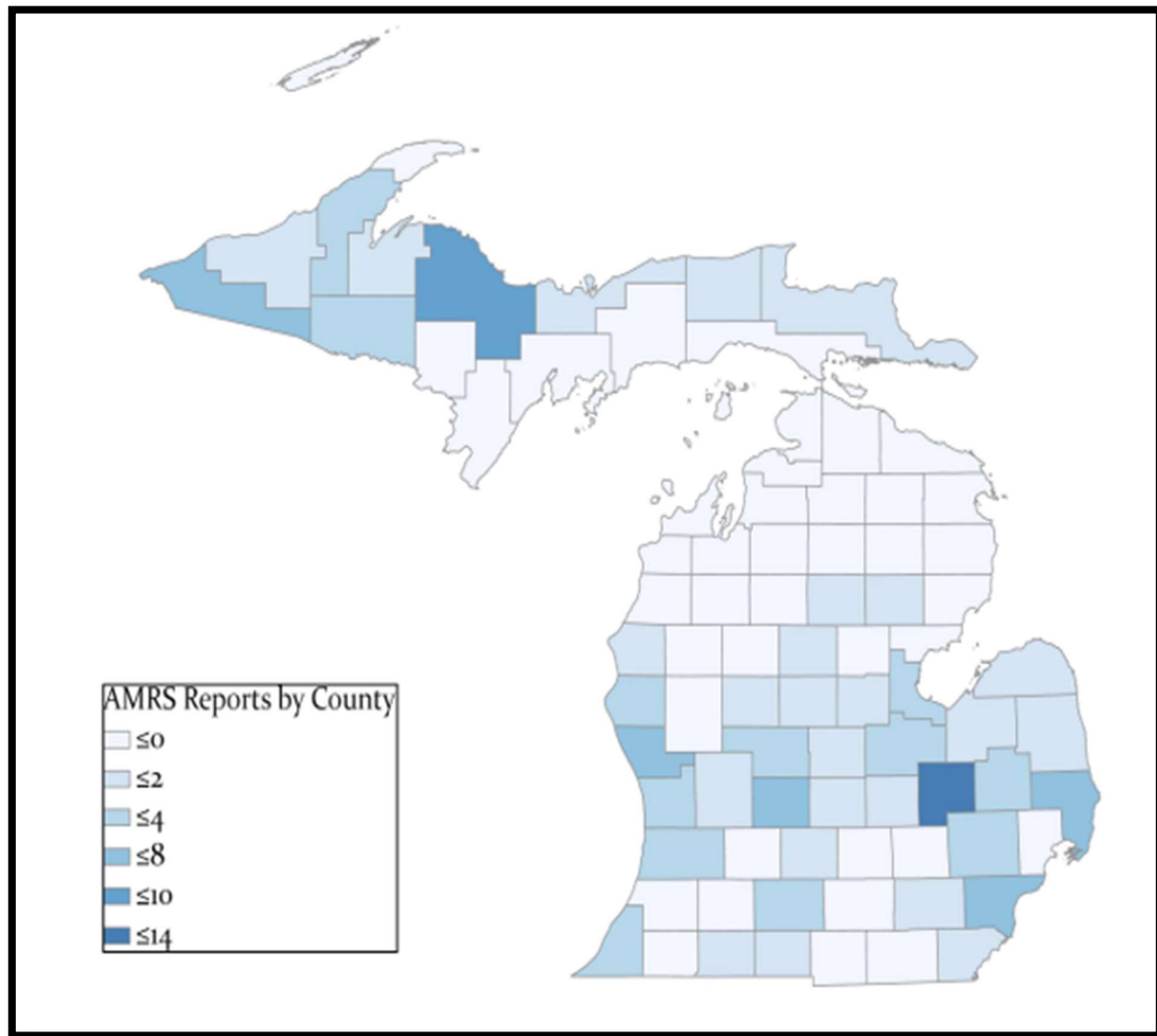
Building a culture of integrated asset management in Michigan will require increased engagement and communication between the asset classes. Historically, these engagements were often focused on conflict resolution rather than integrated planning and improved project coordination. To build a culture of asset management it is important that in the future these engagement shift to achieving shared vision, goals, and objectives rather than addressing urgent conflicts during construction. It will also be necessary that the regulatory agencies and policy makers share this same vision and support it with policies that enables its implementation. To open these lines of communication and collaboration, the MIC launched a quarterly asset management webinar series in 2022 for its AM Champions program graduates. This webinar series sought to provide a venue where participants across asset classes could be educated on innovative best practices and case studies, receive timely updates from state departments, network with peers and industry leaders, influence public policy, and foster solutions to improve integrated asset management. Based on positive feedback, the MIC is looking to expand these offerings in 2023 to include an in-person educational conference.

## Asset Management Readiness Scale (AMRS)

MIC recognizes that collectively we must ensure that the infrastructure sector has properly skilled and experienced workforce to plan and deliver effective integrated asset management strategies. The AMRS is a tool developed by the MIC that helps organizations identify skills, capabilities and tasks required to effectively plan, invest, deliver sustainable infrastructure systems. The AMRS focuses on five core asset management competencies: People and Leadership, Data and Information, Planning and Decision-Making, Policy and Governance, and External Communication and Knowledge Sharing. Each competency is measured by tangible milestones and best practice that demonstrate proficiency within the competency. The AMRS measures user competency on a scale of one to five, with five representing the highest competency. These numerical ratings can be roughly translated to familiar development stages (1=novice, 2=beginner, 3=competent, 4=proficient, 5=expert) for each competency. The AMRS also allows users to set goals for growing competencies and allows for tracking these goals overtime through annual reassessments. Tools such as the AMRS have been utilized throughout the world to help promote and facilitate the adoption of improved asset management process. The AMRS helps individuals and organizations chart a course to more efficient and proactive operations and more reliable and sustainable infrastructure systems.



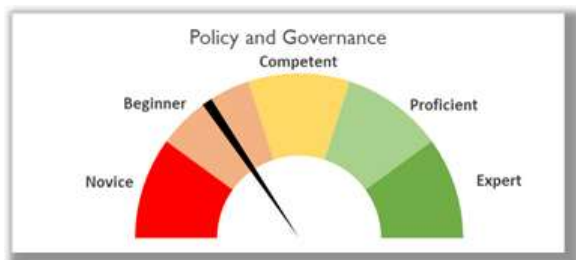




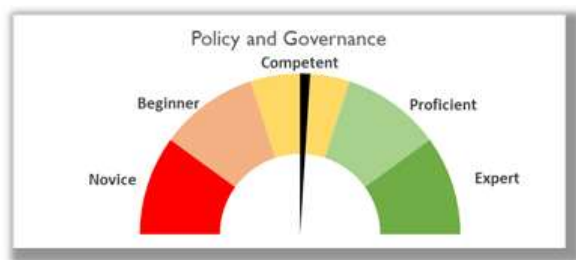
## AMRS Benchmarking 2022

Aside from the numerous benefits the AMRS provides communities who take the assessment outlined above, The AMRS tool also plays an important role in the MIC's process to plan, analyze, and coordinate asset management across assets and asset owners at the regional level. Through partnerships with the regional planning organizations, the MIC has collected aggregated and anonymized AMRS assessments for the purposes of trend analysis and benchmarking Michigan's current asset management proficiency. The MIC has collected 140 AMRS submissions from a diverse assortment of communities across the state. In 2022, the MIC developed a process for benchmarking and analyzing these for the purpose of allowing those who submitted assessments to better understand how their current AM proficiencies compare to their regional and statewide.

## AMRS Benchmarking (Continued)



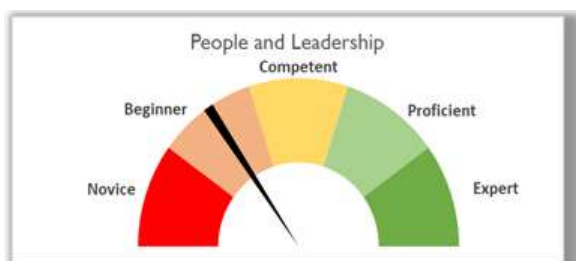
**Current State: 1.5**



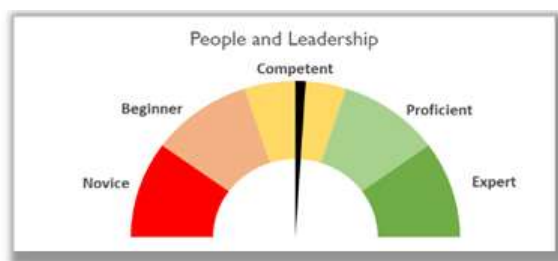
**Future State (3-Year): 2.5**

### Policy and Governance Gap Analysis

Asset management processes are adopted ad-hoc across organizations. To meet the stated goal (future state), organizations will need to formalize asset management policies and plans at the organizational level.



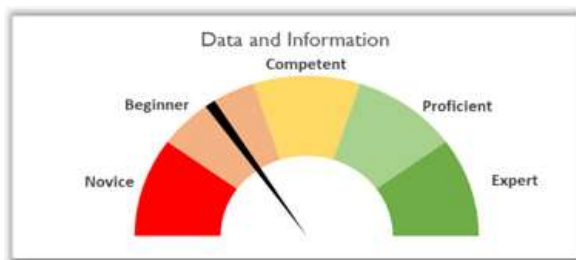
**Current State: 1.4**



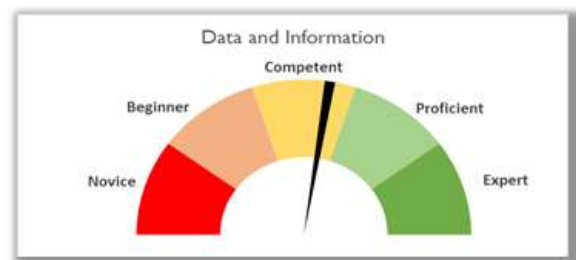
**Future State: 2.5**

### People and Leadership Gap Analysis

Users need help developing effective cross-functional teams to support asset management and allocation of resources from senior management and elected officials to develop effective AM programs.



**Current State: 1.7**



**Future State: 2.7**

### Data and Information Gap Analysis

User will need to digitize and centralize infrastructure data for use by AM team. There is a current lack of necessary standards (asset condition, level of service, etc.) for data collection to improve data utilization and future analysis.



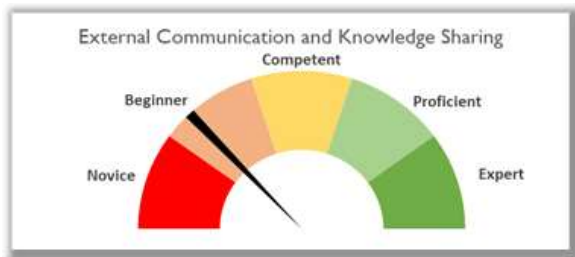
**Current State: 1.9**



**Future State: 2.8**

### Planning and Decision-Making Gap Analysis

Users need support establishing consistent methodologies for investment prioritization based on organizational goals and objectives. Users also need support tying goals and objectives to AM plans and capital budgeting process.



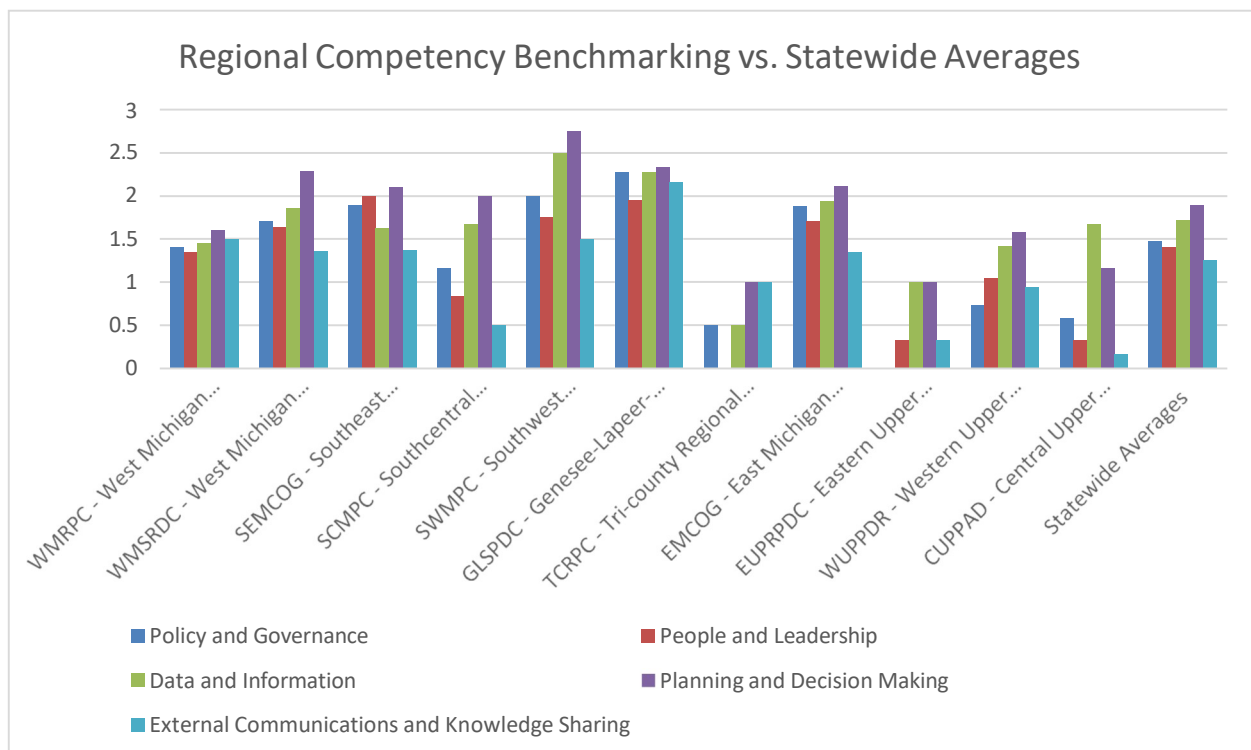
**Current State: 1.4**



**Future State: 2.4**

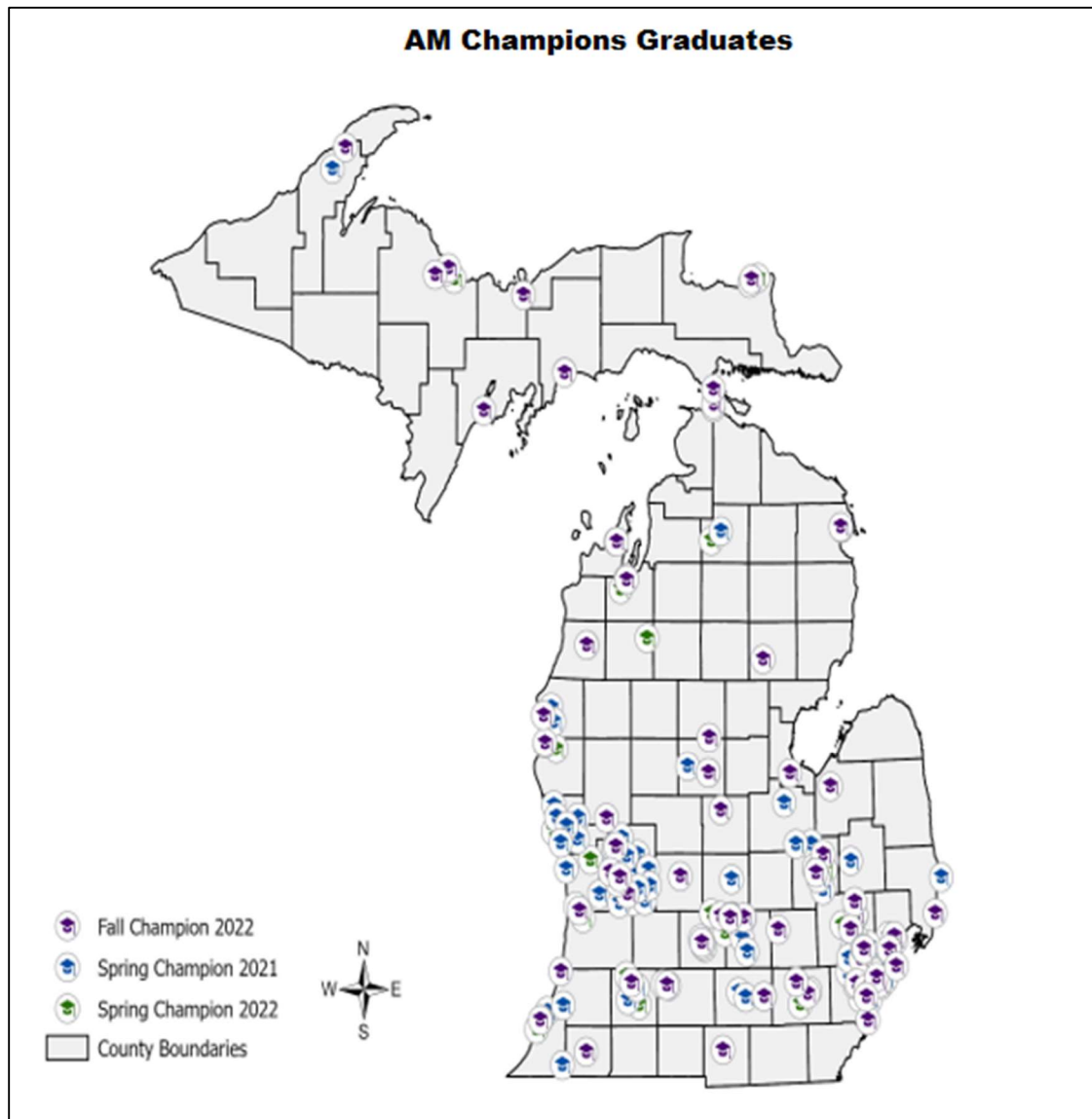
### External Communication and Knowledge Sharing Gap Analysis

AM training needs to be more accessible infrastructure staff and role specific. AM needs to be better understood internally across the organization and better communicated externally as a sound manner of doing business.



## Benchmarking Indicators and AM Champions Feedback

The MIC does not have enough AMRS studies at this time to draw accurate statewide conclusions based on the data. Early data indicates many communities are very early in their asset management journey. Participants stated future competencies indicate a desire to build asset management capacity quickly in the next three years. Based on the gap analysis there are multiple asset management resources, trainings, and tools the MIC can offer in the next three years to support our current user base and other communities that are similarly situated



"It is so exciting to see the positive effects this program is having for Michigan infrastructure owners. Not only is it developing knowledge and awareness of asset management, but it is also building consistency across the State and across asset types. In addition, the networking opportunities and sense of community established by graduates will have long lasting impacts as Michigan continues its asset management journey."

**Erin Kuhn**

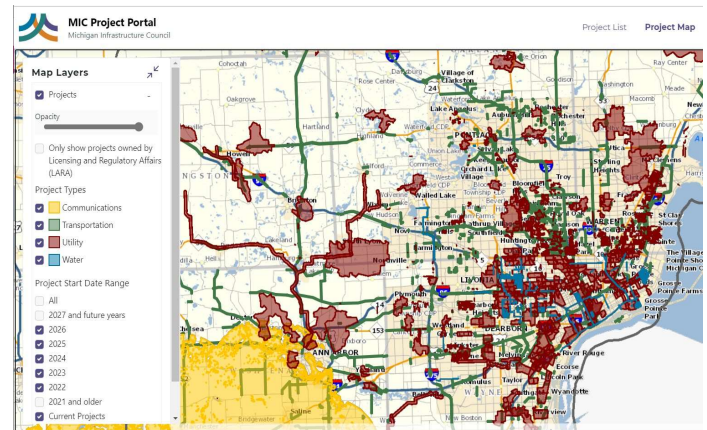
MIC Council Member and AM Champions Program Committee Chair  
Executive Director, West Michigan Shoreline Regional Development Commission



# Project Portal

## Background:

In 2021, The MIC released an infrastructure planning tool to improve coordination and collaboration on construction projects. Recognizing the lack of tools that support integrated asset management, the MIC Project Portal serves as cross-asset planning tool where infrastructure planners and designers can view comprehensive construction plans in an area early in the development process. This early notification of potential conflicts helps to facilitate improved communication, coordination, and collaboration throughout the construction process. The MIC Project Portal accomplishes these goals by leveraging standardized Geographic Information Systems (GIS) technology, machine learning, and analytics to identify collaboration and coordination opportunities that arise for users based on their submitted project plans. The tool will then automatically notify users of opportunities and connect project owners to begin formal coordination and planning efforts. The MIC Project Portal supports "dig once" efforts by Michigan utilities which will lead to substantial resource efficiencies, cost-savings, and reduced citizen burden.



## FY2022 Activities

With assistance from the Michigan Department of Technology, Management, and Budget (DTMB), Center for Shared Solutions (CSS), MIC has significantly improved Project Portal functionality for users and MIC administration in FY22.

Multiple phases of work for Portal enhancements were created and completed to implement more efficient processes for users to make Portal contributions. Enhancing usability is vital to fostering coordination and collaboration among Portal users. Therefore, user experience was improved with viewing maps, profile information, and collaboration information. A new landing page was designed and developed to help users intuitively identify information needed quickly and efficiently. Users can navigate to collaboration possibilities on the landing page, view project information, and much more. For collaboration purposes, the MIC Portal also upgraded notification features for users.

An updated workflow was completed to make the Project submissions to the Portal more structured. The reporting functionality was created as well for internal purposes to keep metrics on organization counts and projects. The reporting functionality can be utilized to show regional efforts as well. To date, there are over 35 unique organizations using the Portal and over 10,000 infrastructure projects displayed within the portal. New organizations and users are being continuously added to contribute projects to

## Next Steps

Moving forward the MIC will continue to engage its stakeholders and existing user base in conversations regarding continuous improvement of the Project Portal. The MIC plans to work on streamlining the onboarding process in FY23 utilizing new technology and software available to Staff. The MIC also hopes to capture and promote collaborations achieved through the Project Portal on its website in FY23

# Asset Management Work Plan

## 2023 Workplan

### Asset Management Training and Education

☐ Continue and Improve AM Champions Program

- Include more Michigan asset management case studies
- Develop on-demand “AM 101” class for the MIC website
- Expand AM Champions webinar series to include in-person networking event
- Expand outreach and promotion of the AM in the AM program.
- Explore opportunities to expand training with an in-person offering
- Develop program track specifically for training senior management and elected officials.

☐ Update the Asset Management Readiness Scale (AMRS) and improve training and outreach

- Develop and publish data collection and submission procedure for AMRS with regional partners
- Collect user feedback regarding AMRS benchmarking to identify necessary modifications
- Develop AMRS benchmarking website and database to support user analysis
- Improve on-demand training available on the MIC website for completing the AMRS

### Information Technology – Statewide Integrated Asset Management System

☐ Improve the functionality and improve user experience of the MIC Project Portal

- New landing page
- Improved collaboration opportunities
- Updated FAQ's and tutorials

☐ Complete other legislatively required components of the Statewide Integrated Asset Management System

- Develop a basic GIS asset register for Michigan infrastructure owners
- Develop a Statewide Repository of Data for TAMC and WAMC asset management plans with support from DTMB.
- Develop and implement standards, process, and procedures for Statewide Integrated Asset Management System

## Other Projects – 30-Year Integrated Infrastructure Strategy (Strategy)

- ☐ Engage infrastructure stakeholders in the development of the Strategy
  - Hold workshops to gather ideas and feedback on the Strategy direction and progress
- ☐ Develop website dedicated to the Strategy and tracking progress on initiatives identified
- ☐ Release draft of the Strategy for review and comment by stakeholders
- ☐ Publish the Strategy on the MIC website.

## 2024 Workplan

### Asset Management Training and Education

- ☐ Continue and Improve AM Champions Program
  - Review curriculum to ensure it recognizes best practices and integrate more Michigan specific content as available.
  - Integrate training on the use of the Statewide Integrated Asset Management System into the training.
  - Continue to expand outreach and promotion of the program specifically in areas that have not participated to date.
  - Explore the development of role specific asset management training for planners, engineers, operators, and finance professionals.
- ☐ Develop templates for asset management policies on the MIC Website
- ☐ Develop templates for asset management plans on the MIC Website
- ☐ Develop a resource library for asset management best practices to be housed on MIC website.

### Information Technology – Statewide Integrated Asset Management System

- ☐ Launch improved MIC Project Portal
- ☐ Pilot functionality of the newly developed Statewide Integrated Asset Management System.
- ☐ Integration of MIC Project Portal with Statewide Integrated Asset Management System with support from DTMB.
- ☐ Integrate existing GIS infrastructure project information from state agencies into the Statewide System.

### **Other Projects – 30-Year Integrated Infrastructure Strategy (Strategy)**

- ☐ Identify roles and responsibilities for short-term action identified in the Strategy.
- ☐ Begin implementation of priority short term initiatives.



# 30-Year Integrated Infrastructure Strategy

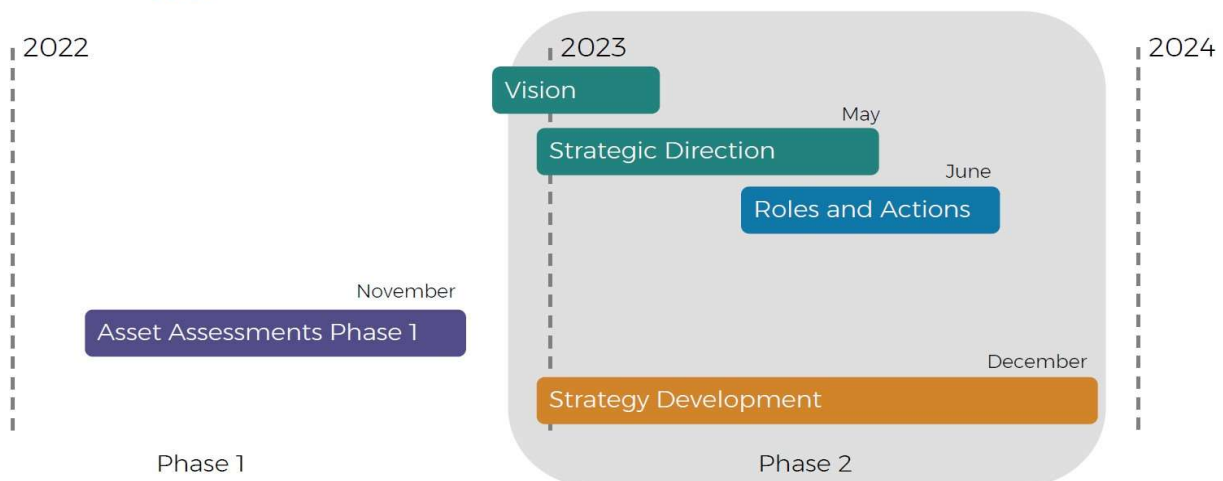
As outlined in Public Act 323 of 2018, the 30-Year Strategy is a key component of the second phase of the statewide system for asset management. The MIC 30-Year Strategy will provide a road map for ensuring our infrastructure systems provide for public and environmental health, economic prosperity, and quality of life. As many of our infrastructure assets approach the end of their useful lives, their ability to deliver safe, reliable, and affordable levels of service has become significantly diminished. Absent methodical changes in the ways we plan, construct, operate and maintain infrastructure, we will continue to see more catastrophic failures that have plagued Michigan over the last decade.



The MIC believe the inaugural 30-Year Integrated Infrastructure Strategy can provide a road map out of this unfortunate reality. Incremental improvements in the way our asset owners plan for the future, communicate with their peer system owners, and deploy best practices are key to achieving the 21<sup>st</sup> Century infrastructure our citizens and economy demand. Moving away from the siloed approaches of the past, the MIC envisions a much more dynamic and methodical approach to approaches to infrastructure deployment in the future enabled by modern technology.

This future state will focus on delivering maximum value per investment dollar through data driven decision making and operationalizing and expanding on concepts such as “dig once”. Lastly, the strategy will promote the need for improved asset management throughout the asset lifecycle. Providing a better understanding of the unintended consequences of deferred maintenance and how strategic investments in preventative maintenance, repair, and rehabilitation of infrastructure is much more cost-effective than a run-to-failure approach that is often applied today. In FY22, the MIC began the development of the strategy with consultation from WSP Michigan, a global leader in infrastructure planning, design, and management. With the support of WSP, the MIC has begun developing diverse asset advisory groups from across the state to inform the endeavor and assist in shaping the final document. Many of these advisors were recruited directly from the AM Champions program to ensure familiarity with asset management principles and the overall goals of the MIC. The MIC believe that engaging those who will be charged with implementing the strategy early in the process will be key to its overall success.

## Strategy Schedule



## Multi-Year Budget

The Michigan Infrastructure Council was funded in FY22 through an annual appropriation by the legislature to the Department of Treasury. (Public Act 87 of 2021) Funding to sustain the efforts of the Michigan Infrastructure Council in has been appropriated by the legislature in Public Act 166 of 2022. Budgeting will be coordinated with the Transportation Asset Management Council (TAMC) and Water Asset Management Council (WAMC) where applicable to ensure cost efficiencies and encourage shared resources between the respective councils.

	FY23 Appropriation	FY23 Budget	FY24 Budget
<b>Public Act 166 of 2022</b>	\$3,849,800		
<b>Preliminary Budget Estimates</b>			
<b>Administrative Costs</b> <i>Staff Salaries, Office Administration, and Council Expenses**</i>		\$500,000	\$500,000
<b>Asset Management Contracted Services</b> <i>AM Champions, AM in AM, AM Champions Webinar, AM for Senior Decision Makers, Regional Coordination</i>		\$2,300,000	\$2,300,000
<b>Information Technology</b> <i>Statewide Integrated Asset Management System, MIC Project Portal, Website Dashboard, Asset Management Software</i>		\$500,000	\$800,000
<b>Other Projects</b> <i>30-Year Strategy Development and Implementation</i>		\$500,000	\$200,000
<b>Annual Budget</b>		\$3,800,000	\$3,800,000

## Moving Forward

The Michigan Infrastructure Council (MIC) remains committed to the vision of sustainable infrastructure that provides for Michigan's public and environmental health, economic prosperity, and quality of life,

Looking ahead, MIC will continue its efforts to build partnerships and trusted relationships, advance the activities of the workplan, and work with leadership to ensure the long-term sustainability of the Council. Any inquiries or input to help provide the best possible strategic outcomes for Michigan's long-term, integrated asset management, are welcome.

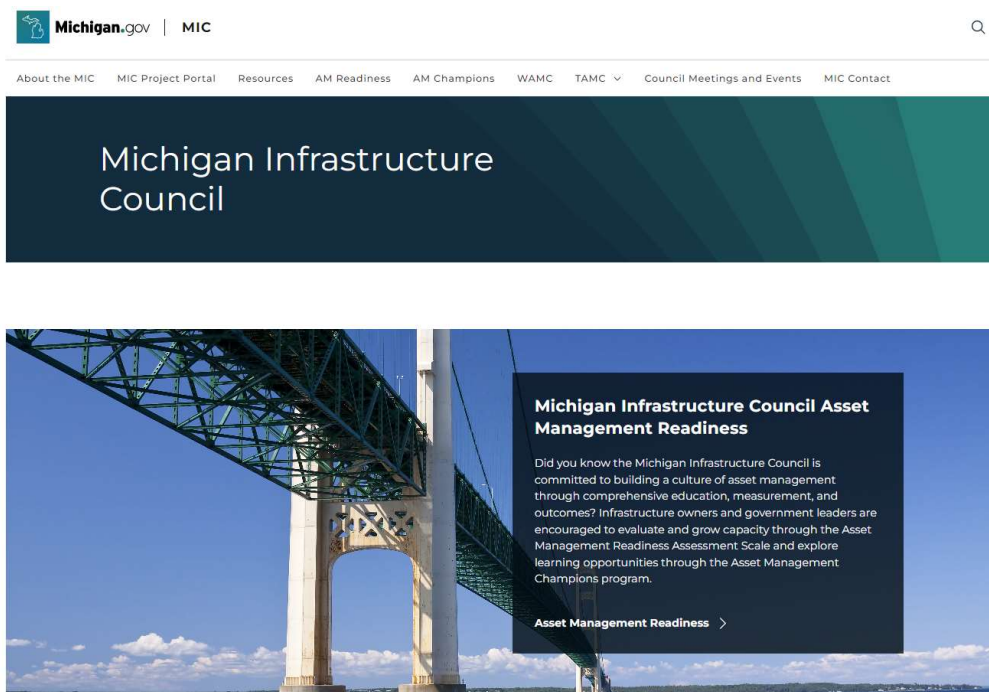


# Appendices

## Appendix A: MIC Outreach and Engagement

### MIC Website: [Michigan.gov/MIC](https://Michigan.gov/MIC)

In FY22 the Department of Treasury went through a website transition including the MIC website. The new website layout is intended to be more accessible and intuitive for users. The MIC also integrated the Transportation Asset Management Councils (TAMC) web content onto its website to support streamlining stakeholder access to state asset management news and content.



## Outreach and Engagement

MIC remains committed to engagement across all infrastructure stakeholder groups. This includes, but is not limited to, public and private utility owners, local, regional, and state representatives, finance, and policy experts, not-for-profit and non-governmental organizations, private industry, and Michigan citizens. To ensure open lines of communication, consistent messaging, and program alignment, MIC has participated in a variety of outreach activities and presentation events throughout FY2022.



MIC member Erin Kuhn presenting on MIC Priorities at the Governors Finance Officers Associations (GFOA) Annual Meeting.



Organization
American Public Works Association (APWA) – Michigan Chapter
American Water Works Association (AWWA) – Michigan
Assembly of First Nations
Canadian Network of Asset Managers (CNAM)
Connect313
Institute for Asset Management (IAM) – North America
ISO (US Technical Advisory Committee to ISO 251)
Merit Network, Inc.
Michigan Association of Counties (MAC)
Michigan Association of County Drain Commissioners (MACDC)
Michigan Association of Regions (MAR)
Michigan County Roads Association (MCRA)
Michigan Department of Environment, Great Lakes, and Energy (EGLE)
Climate Coalition
High Water Work Group
Water Infrastructure Work Group
Michigan Department of Technology, Management, and Budget (DTMB)
Office of Technology Partnerships
Connecting Michigan Communities (CMIC)
Michigan Department of Transportation (MDOT)
Geospatial Utility Infrastructure Data Exchange (GUIDE)
Michigan Mobility 2045
Michigan Department of Treasury
Bureau of Local Government
Michigan Economic Development Corporation (MEDC)
Michigan Electric Co-Op (MECA)
Michigan Gas & Electric Association (MEGA)
Michigan Infrastructure and Transportation Association (MITA)
Michigan Municipal Electric Association (MMEA)
Michigan Municipal League (MML)
Michigan Municipal Services Authority (MMSA)
Michigan Public Power Agency (MPPA)
Michigan Rural Water Association (MRWA)
Michigan State Police – Critical Infrastructure Protection (CIP) Unit
Michigan State University Institute for Public Utilities (IPU)
Michigan Townships Association (MTA)
Michigan Water Environment Association (MWEA)
Miss Dig 811
National Governor's Association (NGA)
Public Sector Digest
Michigan Hi-Speed Internet Office (MI-HI)
Michigan Infrastructure Office (MIO)
American Council of Engineering Companies (ACEC)



## Presentations

Subgroup	Organization
February 24, 2022	MSU Institute of Public Utilities - Michigan Infrastructure Conference
March 15, 2022	Asset Leadership Network - Advancing Equity and Efficacy
April 18, 2022	Water Infrastructure Cabinet - EGLE
May 5, 2022	Canadian Network of Asset Managers - Annual Conference
May 5, 2022	Statewide GIS Users Meeting
May 12, 2022	ACEC Michigan Infrastructure Conference
May 20, 2022	Grand Valley Metro Council (GVMC)
June 4, 2022	GFOA Capital Planning Committee
June 8, 2022	GFOA Annual Conference
September 28, 2022	TAMC Annual Conference

**Table 4: MIC Committee FY2022**

Committee	Participants	Date of Establishment	Status
<b>Nominations Committee:</b>  Develops and manages the evaluation and nomination process for WAMC members	<b>Dan Fredendall</b> , John Daly III, Jessica Thomas, Beverly Watts, Sue McCormick	December 12, 2019	Active
<b>Portal Access Committee:</b>  Develops and manages the Project Portal Operational Guidelines and evaluates requests for access to the Portal from entities that do not fit established criteria	<b>Jon Kangas</b> , Dan Fredendall, Jeff Parker,	March 11, 2021	Active

**Table 5: MIC Subgroups FY2022**

Subgroup	Participants	Status
<b>Asset Management Readiness:</b> Develop asset management readiness assessment scale materials, analyze results, and establish performance metrics	<b>Erin Kuhn</b> , Jon Kangas, Nicole Baumer (Tri-County Regional Planning), Tim Colling (Michigan Technological University), Bob Schneider (Michigan Department of Environment, Great Lakes, and Energy)	Active
<b>Asset Management Champions Advisory:</b> Advise on the content and program completion requirements for the AM Champions program.	<b>Erin Kuhn</b> , Ryan Laruwe, Palencia Mobley, Derek Bradshaw (TAMC), Jerry Wuorenmaa (WUPPDR), Bob Slattery (TAMC), Evan Pratt (WAMC)	Active
<b>30-Year Strategy:</b> Advise on scope and direction of 30- Year Integrated Infrastructure Strategy	<b>Kathleen Lomako</b> , John Weiss, Erin Kuhn, Joanna Johnson, Sue McCormick	Active
<b>Definitions &amp; Standards:</b> Establish shared terminology and mutual understanding between asset types (water, transportation, utilities, and communications)	<b>John Daly III</b> , Dan Fredendall, Joanna Johnson, Sue McCormick, Palencia Mobley, Jeff Parker (Consumers Energy), Phil Argiroff (Michigan Department of Environment, Great Lakes, and Energy), Peter Hoffman (Michigan State Police), Charyl Kirkland (MPSC)	Active
<b>Meeting Minutes:</b> Review and edit meeting minutes	<b>Dan Fredendall</b> , John Weiss	Active
<b>MIC Project Portal - Advisory:</b> Advise on collaborative technology that enables coordination of future construction projects to support "Dig Once" opportunities*	<b>Eric Swanson/Marco Bruzzano</b> , Niles Annelin (MDOT), Ann Burns (Southeast Michigan Council of Governments), Mark Conradi (EGLE), Peter Hoffman (Michigan State Police), Mark Holmes (DTMB), Bob O'Brien (AT&T) Jeff Parker (Consumers Energy)	Active
<b>Communications:</b> Draft and maintain outreach materials	<b>Marco Bruzzano/Kathleen Lomako</b> , John Daly III, Aaron Keatley, Erin Kuhn	Meets as needed
<b>Reports:</b> Develop content and review MIC reports prior to publication	<b>John Weiss</b> , Jon Kangas, Kathleen Lomako, Palencia Mobley	Meets as needed

