



Portage Lake Lift Bridge - Houghton, MI



MICHIGAN INFRASTRUCTURE COUNCIL

2023 ANNUAL REPORT

Message From The Chairperson

It has been my honor to participate in Michigan's asset management journey. Several years ago, Michigan's asset owners and state leaders had no common shared understanding of asset management. Today that is much different. Through the work of the 21st Century Infrastructure Commission, the Michigan Infrastructure Asset Management Pilot and most recently the Michigan Infrastructure Council we have made great strides in fostering a culture of Asset Management in our state. Throughout this journey our goals have been to Collaborate, Prioritize, Coordinate, Invest and Educate Michigan's asset owners, local and state leaders, and citizens regarding their infrastructure.

Together through the collaboration of thousands of Michigander's and infrastructure owners we will achieve the MIC's vision of a fully integrated infrastructure system that provides the foundation for public and environmental health, economic prosperity, and outstanding quality of life we all can enjoy.

I want to personally thank the members of the Michigan Infrastructure Council, the Transportation Asset Management Council and the Water Asset Management Council for their leadership, participation and willingness to dedicate their time and resources to this effort.



A handwritten signature in blue ink, reading "John Weiss". The signature is fluid and cursive, with the first and last names clearly legible.

John Weiss
MIC Chairperson

Executive Summary

Infrastructure is the backbone of our modern society. A resilient, reliable, and sustainably funded public and private infrastructure allows for healthy communities, economic prosperity, and job creation. Developing statewide policies, systems, and processes, that supports the management of these assets throughout their useful life is critical to ensuring a high quality of life for today's citizens and future generations. Since 2018, the Michigan Infrastructure Council (MIC) has engaged elected officials, state officials, local officials, infrastructure owners, and the public in developing a consensus-driven, statewide infrastructure strategy. By leveraging 21st century technology, tools, and processes, the MIC is leading the evolution to a comprehensive and data-driven approach to the management of infrastructure across Michigan. Our focus on fostering a culture of coordination and collaboration across public and private entities is becoming a model for others in the United States.

The MIC is pleased to present this fiscal year 2023 annual report to the Legislature. The MIC continues to make progress on fulfilling its legislative requirements and delivering on its strategic goals and priorities for fiscal year 2023.

Key Achievements

- The MIC returned to in-person outreach and engagement as part of the development of the 30-Year Integrated Infrastructure Strategy. This included holding a series of listening sessions across the state to gather input from stakeholders.
- Over 200 asset management champions were certified through the AM Champion Program. This program provides training and resources to help local governments improve their asset management practices.
- The transition of the MIC Project Portal from its pilot phase to full statewide deployment was begun. The portal provides a centralized platform for interagency planning efforts.

The MIC would like to thank staff, industry partners, and stakeholders for their support in fiscal year 2023. The MIC is committed to the efficient and effective improvement in the management of Michigan's infrastructure.





Our Mission



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

Our Goals

1

Collaborate - Facilitate a coordinated, holistic approach that optimizes the engagement of all who manage and use Michigan's infrastructure.

2

Coordinate - Align strategies for infrastructure management to ensure that Michigan's assets are effectively and efficiently constructed, operated, and maintained

3

Educate - Provide accurate and trusted information to support effective infrastructure decisions.

4

Invest - Determine, recommend, and advocate for adequate funding for Michigan's infrastructure and promote effective and efficient investments to achieve maximum benefits.

5

Prioritize - Establish and document the condition of Michigan's infrastructure to identify the needs of greatest priority.

Voting Members

The voting membership of the Michigan Infrastructure Council is comprised of:

- Asset management experts from the public and private sectors with knowledge of and expertise in the areas of planning, design, construction, management, operations and maintenance for drinking water, wastewater, stormwater, transportation, energy, and communications.
- Financial and procurement experts from the public or private sector.
- Experts in regional asset management planning across jurisdictions and infrastructure sectors.



John Weiss - Chair
Senate Majority Leader



Erin Kuhn - Vice Chair
Governor



Palencia Mobley
Governor



Daniel Fredendall
Speaker of the House



Beverly Watts
Governor



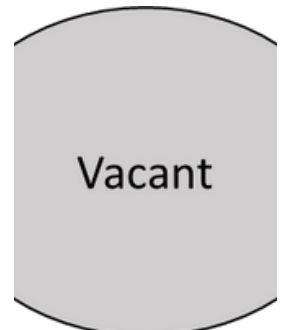
Kathleen Lomako
Governor



John Daly II
Senate Minority Leader



Marco Bruzanno
Governor



Vacant
House Minority Leader

Non-Voting Members

A defining characteristic of the Michigan Infrastructure Council is the non-voting membership. Non-voting members include the chairperson of the Transportation Asset Management Council (TAMC) and Water Asset Management Council (WAMC), and the directors (or their designee) of the six principal departments of state government involved in infrastructure policy. The connection between state, local, regional governments, and private utilities provides a unique forum to develop and effectively implement strategies.



Aaron Keatley
EGLE



Jonathan Malek
MDARD



Kevin Smith
Treasury



Sue McCormick
WAMC



Joanna Johnson
TAMC



Charyl Kirkland
MPSC



Eric Swanson
DTMB



Erik Eklund
MDNR

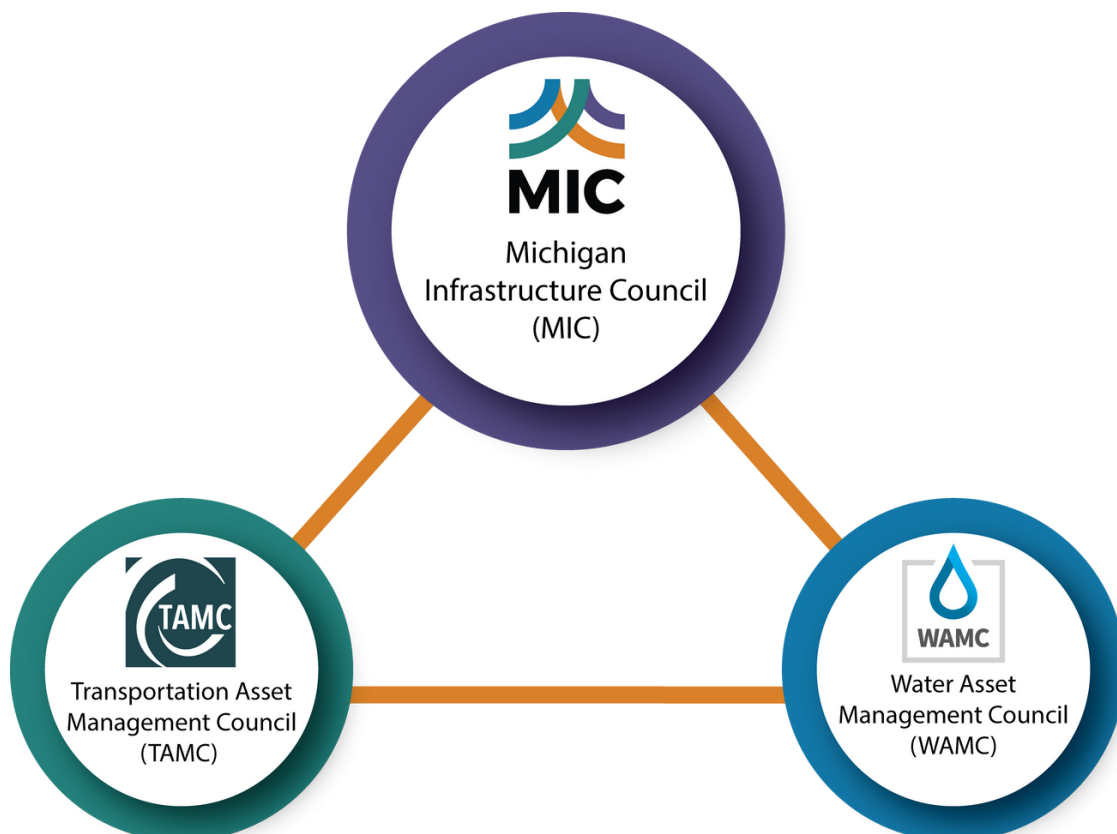


Todd White
MDOT

Cross-Council Coordination

As defined by Public Acts 323, 324, and 325 of 2018, the MIC, the Transportation Asset Management Council (TAMC), and the Water Asset Management Council (WAMC) were purposefully designed to support statewide, integrated asset management. While the MIC is charged with leadership across all asset types, TAMC and WAMC share similar roles within their respective subject expertise. Both sub-councils serve in an advisory role to the MIC, providing guidance on statewide transportation and water asset management strategies and the processes and tools needed to implement these strategies.

In June 2023, the MIC hosted a cross-council strategic planning session to align the statewide transportation and water asset management strategies with the 30-Year Integrated Infrastructure Strategy (Strategy). Participants shared their insights and experiences, and they worked together to identify areas for future collaboration. This built trust and rapport among the participants, and it laid the foundation for future cooperation. The councils are focused on implementing the Strategy and the planning for a joint integrated infrastructure conference.





Year in Review

2023 by numbers



8

September 30, 2023

400

AM Champions

18

Outreach Events

8

Education webinars

463

Public Survey Responses

500+

Stakeholders Reached

10,000+ Projects in MIC
Project Portal



30-Year Integrated Infrastructure Strategy

One of the defining tasks of Public Act 323 of 2018, is the delivery of a 30-Year Integrated Infrastructure Strategy (Strategy). In 2022, the MIC began the process of developing the Strategy with the selection of WSP Michigan and the creation of the steering committee, led by Kathleen Lomako. The Strategy will encourage community discussion, guide prioritization, promote sound investments, and minimize citizen inconvenience through more coordination and collaboration. The overriding goal of the Strategy is to enhance infrastructure performance and improve quality of life for Michigan's residents.

The investment gap in Michigan's infrastructure systems has developed over decades and will take decades to overcome. The Strategy will lay out a long term, comprehensive approach to statewide infrastructure policy that makes the most of what we have and proactively addresses the risks to our residents, businesses, and environment.

A strong culture of asset management integrated across infrastructure assets will enable Michigan's public and private asset owners to get more out of their investments in infrastructure and realize more value over the lifetime of each asset. By spending where and when it is necessary, rather than making expensive repairs when emergencies arise, asset owners can provide more reliable service and keep costs more affordable for rate payers. As asset owners' collective ability to coordinate and collaborate grows, Michigan will be able to tackle more complex challenges, allowing it to enhance the scope of the Strategy in future years. The release of the inaugural Strategy is December 2023.



As a part of the development of our 30 year infrastructure strategy we are identifying actions that need taken to enhance the reliability, efficiency and quality of infrastructure services. Actions focus on infrastructure owners and operators, state and local policy makers and individual infrastructure users. We all have a role to play!

Kathleen Lomako
Chairperson
Strategy Steering Committee

Integrated Infrastructure Strategy

Public Outreach Survey



463 Unique Responses



298 Zip Codes

Infrastructure Report Card

Using a public survey, the MIC sought to better understand how today's citizens perceive the performance of Michigan's infrastructure systems. The report card outlines the average grade provided by survey participants.

Transportation	D+
Drinking Water	B
Electricity	B
Natural Gas	A
Wastewater/Sewer	B
Stormwater	C
Broadband	B

Asset Management Education

Michigan's infrastructure is complex, not only because asset ownership extends over 3,350 public agencies and utility providers but the assets exist in silos managed independently from each other. This results in our infrastructure being managed reactively and has led to cascading and expensive issues upon asset failures. The MIC is working to change the asset management culture statewide to be more proactive in how public and rate payer money is used by focusing on coordination and collaboration among infrastructure providers. However, building an asset management culture begins with aligning our mission, values, and language across the state. The Asset Management Champions program (AM Champions) helps asset owners "speak the same language" of asset management and establish a network of professionals and organizations to help strengthen and "champion" best practice asset management statewide.

Infrastructure is a pillar of our society, and resilient and sound infrastructure fundamentally benefits all communities. The role of education serves as a cornerstone of cultivating an asset management culture. The MIC sees providing trusted information to infrastructure owners and managers, policymakers, and residents as necessary to navigate complex decision-making, especially considering constraints to funding resources and construction timelines.



It is so exciting to see the continued success and impact of the AM Champions Program across the state. With over 300 graduated champions and another 120 participants in the most recent class, we are beginning to see a change in the culture of how we manage our assets in Michigan.

Erin Kuhn
Chairperson
AM Education Committee

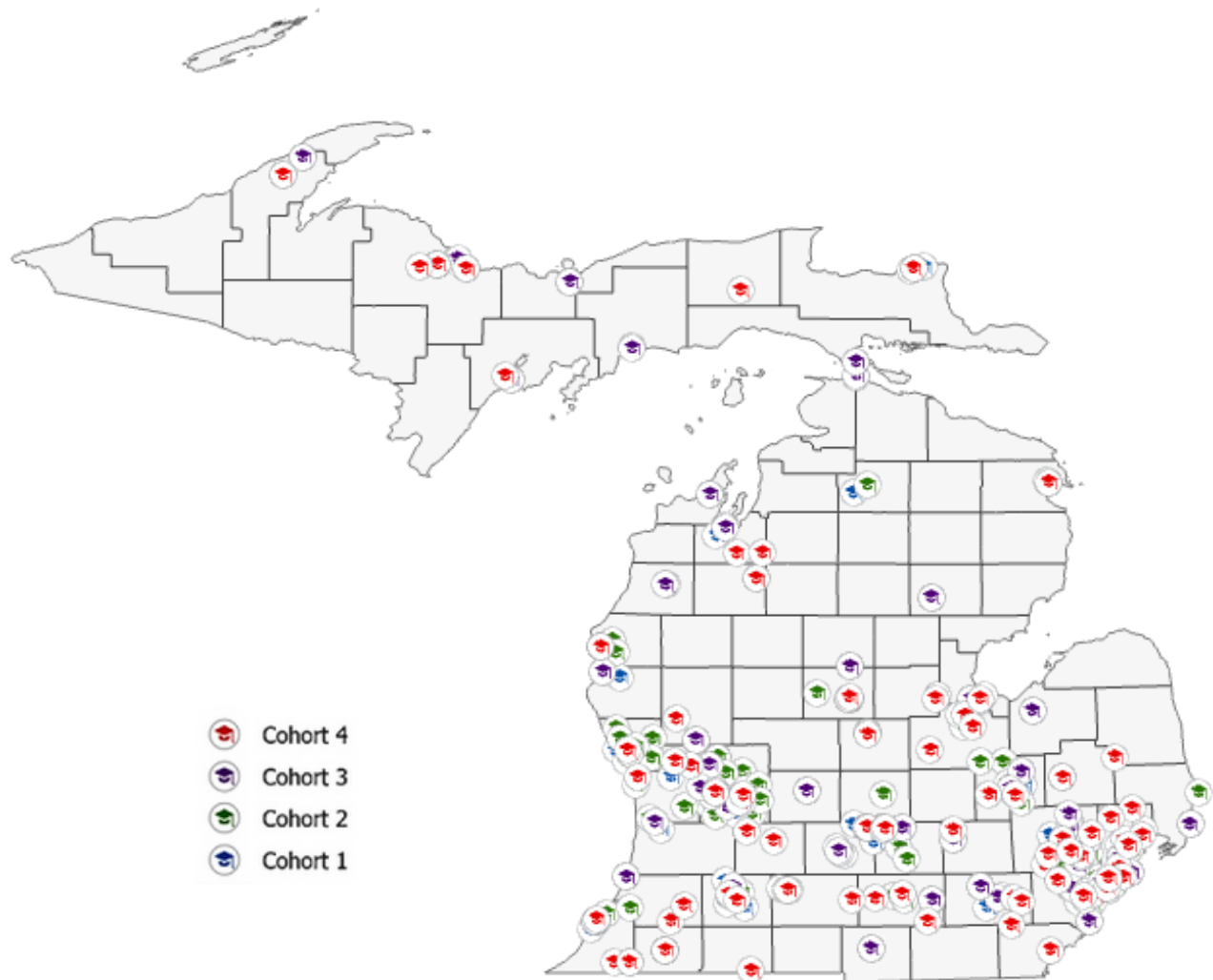
AM Champions Program

Since 2021, the AM Champions Program has set 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. Proper asset management allows asset owners to make informed decisions about their infrastructure by utilizing data. Asset management identifies strategic investments in preventive maintenance, repair, and rehabilitation of infrastructure, which is more cost-effective. The MIC has been actively pursuing our education goals of providing accurate and trusted information to support effective infrastructure decisions.

By the end of 2023, the AM Champions program will have graduated over 400 Champions! Cohort 5 in 2023 will host its largest class of approximately 120 professionals, including elected officials, tribal representatives, planners, engineers, GIS analysts, public works directors, finance directors, and ground operators and staff. With over 400 asset management champions spread across the state professionals are equipped to foster an organization's infrastructure system's transition to a more comprehensive and strategic approach. The AM Champion program helps implement asset management best practices within organizations and creates more efficient systems one infrastructure asset at a time.



AM Champions Program



The virtual nature of the AM Champions Program allows for a diverse participation across the entire state. Moving forward the MIC aspires to have an AM Champion in each county by the end of 2025.

AM Champions Webinar Series

AM Champions and those actively enrolled in the program have the unique and valuable opportunity to participate in monthly webinars hosted by the MIC. These webinars provide professionals across asset classes a chance to participate in an educational environment that imparts international industry best practices to participants and introduces case studies. Participants engage with these industry leaders and apply methods to their newly learned skills to better their communities. Also, program participants network with peers and the industry leaders. Conversations with program peers help to foster solutions to improve integrated asset management across the state. Within FY23, the MIC conducted over eight webinars to help Champions with their day-to-day operations. The following topics were discussed during the webinars with some webinars having an international focus and others being local.



By developing an asset management community of practice and knowledge sharing, we are creating a statewide culture of asset management within our local communities.

Asset Management in the Morning (AM in the AM)

Often due to a lack of staffing and funding, local communities and smaller infrastructure owners cannot commit resources to asset operations and maintenance. Therefore, these communities turn to engineering consultants for partnerships to increase efficiencies. With this understanding, the MIC views engineering consultants as pivotal stakeholders and allies in building a statewide asset management culture.

In AM in the AM sessions, engineering consultants are educated on the MIC's asset management resources. Equipped with the MIC's asset management programs and resources, engineering consultants can increase local clients' capacity by connecting them to help. Over the years, the MIC has developed relationships with many engineering consultants which helps advance asset management best practices in the state.

The MIC will host the fourth installment of the AM in the AM in FY23. Sessions are designed specifically for the infrastructure consultant community. During the session, participants focus on the Asset Management Readiness Scale (AMRS), which is a FREE tool developed by the MIC to help infrastructure owners understand, measure, and advance their asset management proficiency by providing a standard methodology that can be applied across transportation, water, utilities, and communications assets to produce quantifiable outcomes.

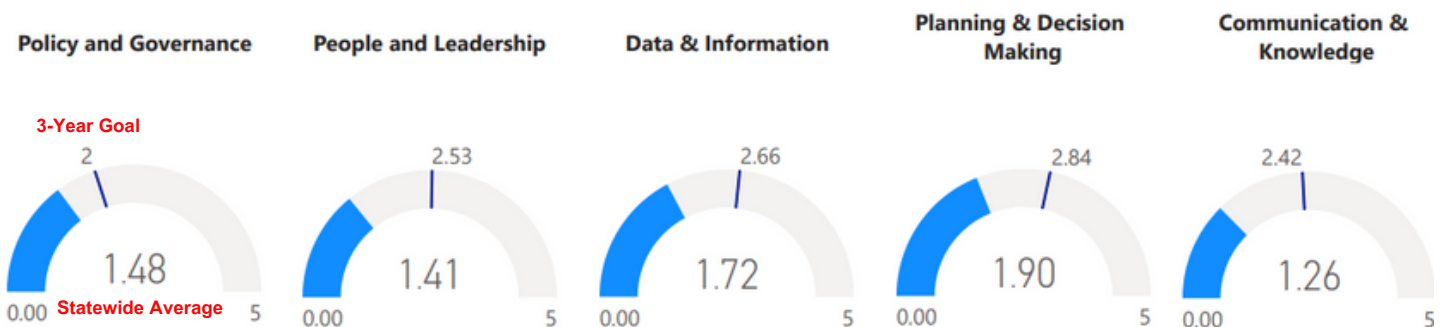


The MIC views infrastructure consultants as pivotal stakeholders in building a statewide culture of asset management.

AMRS Benchmarking 2023

Public Act 323 requires that the MIC provide an annual assessment of asset management practices in Michigan that measures progress towards established performance goals. The MIC developed the Asset Management Readiness Scale (AMRS) to fulfill this requirement and provide local governments a methodology for assessing the maturity of their asset management and financial planning processes. By measuring current processes against industry best practice in key performance areas, users gain an understanding of tangible steps that can be taken to improve their asset management practice. Completed AMRS assessments are submitted anonymously to the MIC as part of a statewide benchmarking effort. In aggregate, AMRS results help the MIC understand the short-term training needs of our infrastructure owners and design future programming. Aggregated results also help participating communities understand how their performance compares to their peers statewide helping them keep pace with the statewide transition to best practice asset management. Benchmarking includes a statewide average in each AMRS category compared to the 3-year performance goal provided by participating communities.

Asset Management Readiness - Statewide Benchmarking

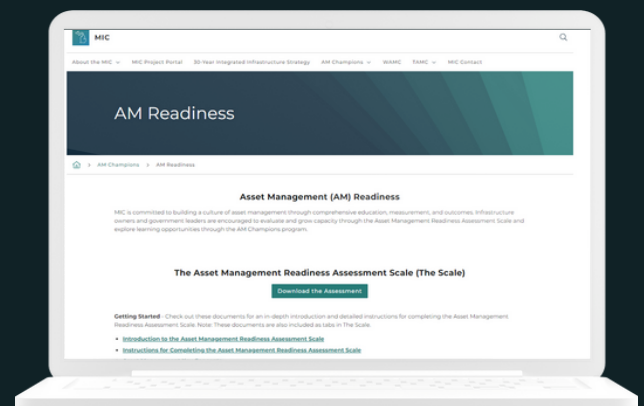


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September 30, 2023

If you are looking for a way to improve your organization's performance, benchmarking is a great place to start. The AMRS assessment tool is available for free on the MIC website along with step-by-step instructions performing an assessment at your organization and submitting results for benchmarking.

[MIC Asset Management Readiness Website](#)



Project Portal 2.0

In 2020, the MIC launched a proof-of-concept experiment to develop a process by which public and private infrastructure owners can coordinate infrastructure work in the public right-of-way. The project focused on digitizing capital improvement plans (CIPs) developed for local and regional planning purposes, to support improved inter-agency coordination and collaboration. Today's MIC Project Portal utilizes geographic information systems (GIS) to aggregate CIPs from public and private infrastructure owners into a secure interface where infrastructure developers can better understand the impact their work has on other planned projects in the area. Infrastructure owners can use the system to proactively identify and resolve conflicts before encountering delays and cost overruns. The system also allows infrastructure owners to identify opportunities to align upcoming work in the public right-of-way. By modernizing the way infrastructure owners plan, analyze, and coordinate construction and maintenance activities across assets, and asset owners, we can build a future where we dig less and achieve more with our infrastructure investments.

Based upon the success of the proof-of-concept phase, the MIC took action in December 2022 to upgrade the system to support statewide deployment. The MIC is partnering with SADA Systems, a leader in GIS coordination software, to deliver on the vision of Project Portal 2.0. The upcoming release will feature new functionality including the ability to send messages to project owners, schedule meetings, and share files within the system. New users will also have access to an on-demand training and a full-time help desk to ensure an excellent customer experience. The Project Portal 2.0 statewide release is tentatively scheduled for the first quarter of 2024.



In a continued effort to improve regional coordination for both public and private users, I'm very excited Project Portal 2.0 will enhance coordination, communication, and efficiency. Working together just works!

Beverly Watts
Chairperson
Project Portal Committee

Michigan Infrastructure Office

The Michigan Infrastructure Office (MIO) is responsible for organizing and executing Governor Whitmer's vision for infrastructure, coordinating across state government, marshaling resources, and partnering with local officials, federal partners, and outside stakeholders to ensure resources sent to Michigan through the Bipartisan Infrastructure Law (BIL), also known as the Infrastructure Investment and Jobs Act (IIJA), are used efficiently and effectively. This year the MIC entered into a strategic partnership with the MIO to align our efforts and ensure our Michigan communities have the knowledge, tools, and resources they need to compete for federal infrastructure dollars. This partnership will provide communities technical assistance for asset management activities and integrated infrastructure planning in 2024.



STATE OF MICHIGAN
OFFICE *of the* **GOVERNOR**



TAMC Investment Reporting Tool

The Investment Reporting Tool (IRT) is the procedure developed by the TAMC to allow public road agencies to comply with the legislative requirements of Public Act 499 of 2002 and subsequent amendments. The IRT was developed in 2006 and has been a cornerstone of the TAMC transportation planning process for regional planning organizations, metropolitan planning organizations, and local road agencies. The IRT as it stands today provides a multitude of services to stakeholders across Michigan including:

- Statewide roadway inventory and PASER ratings
- Statewide bridge inventory and ratings
- Statewide culvert inventory and ratings
- Historic project cost tracking and reporting
- 3-Year Capital Improvement Plans

In the Summer of 2023, the TAMC was provided an estimate of the costs to modernize the system and bring it up to industry standards. The project would have accounted for approximately 15% of the TAMC's annual budget and required cutting funding to local and regional agencies for transportation inventory and ratings work. To avoid this outcome, the MIC voted to transfer funding to the TAMC to support the necessary upgrades to the system while preserving asset management funds for local and regional entities. The MIC and TAMC will take this opportunity to ensure the updated system is interoperable with the MIC Project Portal 2.0 and the MIC's future integrated infrastructure dashboard.



Michigan Planners Association

One of MIC's key strategies is to utilize strategic partnerships with industry associations to expand its messaging within the infrastructure community that can benefit from improved asset management. In 2023, MIC partnered with the Michigan Planning Association (MPA) to publish an article outlining the connection between community planning and asset management. The article, titled "Michigan Infrastructure Council: Advancing the Conversation on Asset Management," was published in January/February edition of, the Michigan Planner. The article discusses how asset management and community planning can complement each other to improve the performance and sustainability of infrastructure assets.

The partnership between MIC and MPA is an example of how MIC is working to expand its reach and impact by working with other organizations that share its goals.



"Asset management is both relevant and critical for planners to learn and infuse into their work. Its principles, strategies, and data provide a much improved base for Capital Improvement Plans." Jim Tischler Planner AM Champion

FY23 Annual Budget



Budget Breakdown

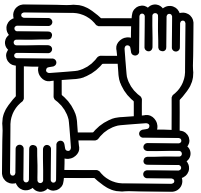
CATEGORY	2023 SPENDING
ASSET MANAGEMENT ACTIVITIES	\$300,000
30-YEAR STRATEGY	\$415,000
MIO PARTNERSHIP	\$750,000
ADMINISTRATION	\$800,000
MIC PROJECT PORTAL	\$250,000
TAMC IRT (IDT)	\$250,000
TOTAL	\$3,265,000

2024-2025 Workplan



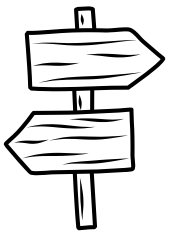
Education - Total Budget - \$800,000

To meet the growing demand for asset management awareness training among our local, regional, and tribal stakeholders, the MIC plans to offer two annual AM Champions cohorts annually. The MIC will also develop educational programs for elected officials, local leaders, and the general public to improve awareness of the asset management business case.



Collaboration - Total Budget - \$1,500,000

The MIC Project Portal 2.0 release in 2024 will provide every infrastructure owner statewide access to GIS collaboration software for work occurring in the public right-of-way. The MIC will also begin its work with state agencies to develop a dashboard that displays state, regional, and local system performance across asset classes.



Coordinate - Total Budget - \$1,250,000

The implementation of integrated infrastructure strategies will require leadership and coordination across all levels of government. In 2024, the MIC will look to develop regional coordination hubs supporting the planning, coordination, and execution of infrastructure projects of regional importance.



Prioritize - Total Budget - \$500,000

The MIC will work with the TAMC, WAMC, and asset owners to create common definitions, inventories, and assessments of Michigan's infrastructure and its condition. Through lifecycle infrastructure asset management and proper prioritization, we can maximize limited resources to realize the greatest benefit.



Invest - Total Budget - \$1,500,000

Through a joint endeavor with the MIO, the MIC will operate the State Technical Assistance Center (TAC). The TAC will provide pre-development support to communities seeking grant funds from the federal government.

Moving Forward

The MIC looks forward to engaging with stakeholders to build a shared understanding of the importance of infrastructure asset management and get their input on improving our practices. By joining forces, organizations can achieve more than they could on their own. Partnerships can help organizations share resources, expertise, and knowledge, leading to improved products, services, and outcomes for our citizens. Overcoming our infrastructure investment gap will require effective and inclusive long-term strategies. The MIC's 30-Year Integrated Infrastructure Strategy will begin this journey. The MIC looks forward to working with all infrastructure stakeholders statewide in the coming years to build a more reliable, resilient, and sustainable infrastructure future. If you are interested in becoming more involved in the efforts of the MIC, please visit our website and email us.



Email Address

MIC@Michigan.gov



Website

www.Michigan.gov/MIC



APPENDICES

Appendix A - Council Committees

Appendix B - FY23 MIC Outreach

Appendix C - FY23 Meeting Schedule



Appendix A

MIC Committee Structure 2023		
Standing Committees		
Nominations and Governance Committee	Daniel Fredendall, John Daly III, John Weiss, Sue McCormick	Active
Cross-Council Leadership Committee:	John Weiss, Erin Kuhn, Joanna Johnson, Sue McCormick, Aaron Keatley, Todd White	Active
Communications & Outreach Committee	Marco Bruzzano, Kathleen Lomako, John Daly III, Aaron Keatley, Erin Kuhn	Active
Asset Management Education Committee	Erin Kuhn, Kelly Karll	Active
30-Year Strategy Committee	Kathlee Lomako, John Weiss, Erin Kuhn, Joanna Johnson, Sue McCormick, Marco Bruzzano.	Active
MIC Project Portal Committee	Beverly Watts, Palencia Mobley, Jerry Wuorenmaa, Kelly Karll, Jason Moore	Active

Appendix B

Date	Event	Location
October 5, 2022	Institute of Asset Management Annual Conference	Denver, CO
October 25, 2022	30-Year Strategy Outreach	Lansing, MI
October 26, 2022	30-Year Strategy Outreach	Lansing, MI
October 27, 2022	30-Year Strategy Outreach	Lansing, MI
February 15, 2023	Minnesota Legislative Committee	Virtual
February 24, 2023	Upper Peninsula Michigan Works	Virtual
March 22, 2023	County Road Association Meeting	Lansing, MI
April 11, 2023	30-Year Strategy Workshop	Lansing, MI
April 19, 2023	Michigan Township Association	Acme, MI
April 19, 2023	30-Year Strategy Workshop	Grand Rapids, MI

Appendix B

Date	Event	Location
April 19, 2023	30-Year Strategy Workshop	Grand Rapids, MI
April 19, 2023	SEMCOG Coordination Meeting	Detroit, MI
April 21, 2023	30-Year Strategy Workshop	Lawrence, MI
April 27, 2023	MWEA/AWWA Water Workshop	Lansing, MI
May 9, 2023	30-Year Strategy Workshop	Bay City, MI
May 11, 2023	30-Year Strategy Workshop	Virtual
May 19, 2023	30-Year Strategy Workshop	Escanaba, MI (Virtual)
June 7, 2023	Small Town & Rural Development Conference	Thompsonville, MI
July 26, 2023	Michigan Township Planning Association Conference	Ann Arbor, MI

Appendix C



2023 Meeting Schedule

Q1

March 09, 2023 - 1- 3 p.m.
7285 Parsons Rd, Dimondale, MI

Q2

June 8, 2023 - 1 - 3 p.m.
7285 Parsons Rd, Dimondale, MI

Q3

September 7, 2023 - 1 - 3 p.m.
7285 Parsons Rd, Dimondale, MI

Q4

December 8, 2023 - 1 - 3 p.m.
7285 Parsons Rd, Dimondale, MI