



2024

ANNUAL REPORT

MESSAGE FROM THE CHAIRPERSON



**Palencia Mobley,
P.E.**

Chairperson of the Michigan
Infrastructure Council

The Michigan Infrastructure Council (MIC) aims to position Michigan as a national leader in comprehensive infrastructure management. To achieve this, the Council will adopt an integrated approach to managing infrastructure assets by facilitating coordination and collaboration among public and private sectors. The MIC's dedication to fostering a culture of asset management is outlined in the trailblazing 30-Year Integrated Infrastructure Strategy.

MIC continues to be innovative in its initiatives, including the Asset Management Champions program, MiDIG (Project Portal 2.0), and the development of the 30-Year Integrated Infrastructure Strategy.

Over the past year, our efforts have focused on developing a standardized strategy that touches and impacts every Michigander by promoting sustainable asset management best practices and ensuring that our infrastructure satisfies both current demands and the needs of future generations. The Council remains committed to tackling emerging infrastructure challenges and leveraging creative solutions for further improvements. We greatly appreciate the contributions and support of our stakeholders and look forward to continuing our partnerships. Together, we can achieve even greater success in the coming year.

Thank you for your unwavering commitment to building a stronger, more resilient, and more connected Michigan.

Palencia Mobley, P.E.

Chairperson of the Michigan Infrastructure Council

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EXECUTIVE SUMMARY

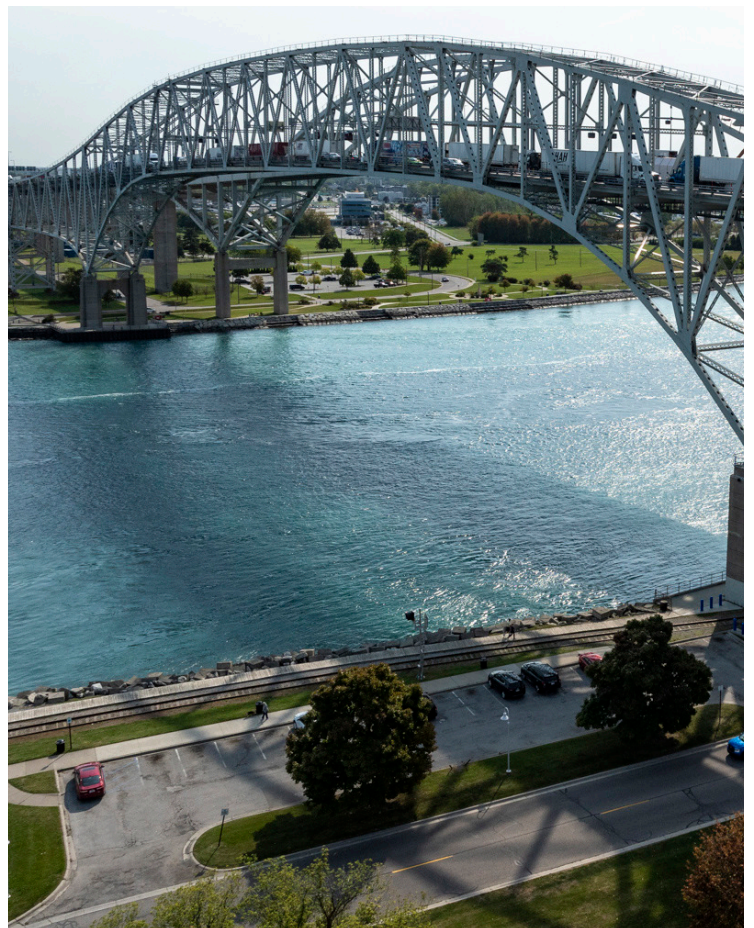
Infrastructure assets such as our roads, bridges, drains, storm water systems, electricity and natural gas networks, broadband and much more are the bedrock of our modern society, providing the essential services that power our daily lives. From the roads we drive on to the bridges we cross, the water we drink, the electricity that lights our homes and businesses, and the high-speed internet connections that fuel our digital economy, our infrastructure is the unseen force that keeps our communities running smoothly.

The Michigan Infrastructure Council (MIC) recognizes the critical importance of maintaining and improving our state's infrastructure in order to continue to provide a high quality of life to our citizens.

By collaborating with a diverse range of stakeholders, including elected officials, state agencies, industry experts, and the public, the MIC is working to develop innovative, data-driven solutions to address Michigan's infrastructure challenges.

Through workforce development, strategic planning, collaboration, and technological innovation, the MIC is committed to building a more resilient, sustainable, and equitable infrastructure system for future generations.

By leveraging the power of 21st-century technology, the MIC is transforming Michigan's infrastructure into a smart, connected network that can adapt to the challenges of the future.



2024 ACCOMPLISHMENTS



MiDIG

The council launched an innovative and revolutionary infrastructure planning tool in Michigan, promoting greater collaboration, efficiency, cost effectiveness, and minimized disruptions for stakeholders. MiDIG is a free online tool for infrastructure planning that fosters collaboration and coordination between public and private infrastructure asset managers to develop comprehensive infrastructure solutions for the communities they serve. With MiDIG, we can stretch infrastructure investments, maximizing the return on investment or Michigan communities as we rebuild and strengthen our state's infrastructure for the future.



30-YEAR STRATEGY

The council completed the first comprehensive infrastructure plan for the State of Michigan. It is one of a kind in the United States. Michigan has the opportunity to lead the nation in an integrated approach to managing our infrastructure assets through facilitating and leading coordination and collaboration from both public and private infrastructure communities. The Strategy will further a culture in integrated infrastructure asset management statewide to ensure a brighter future.



INTEGRATED INFRASTRUCTURE CONFERENCE

The MIC hosted the first bi-annual conference in 2024, planned collaboratively with the Transportation Asset Management Council (TAMC) and the Water Asset Management Council (WAMC). Over 230 attendees were present.



ASSET MANAGEMENT CHAMPIONS PROGRAM

In 2024, the asset management champions program surpassed 600 graduates. To meet growing demand of the program the MIC will continue to offer the program in multiple cohorts annually.



TECHNICAL ASSISTANCE CENTER

MIC has partnered with the Michigan Infrastructure Office (MIO) to help local governments, state agencies, and tribal nations pursue federal infrastructure grants by building capacity for asset management readiness in communities. Through this partnership, the MIC hosted readiness workshops to empower the Allegan County Road Commission, Huron County Road Commission, City of Sault St. Marie, and City of Rochester Hills to develop comprehensive asset management roadmaps and optimize their service delivery to the community.

30-YEAR INTEGRATED INFRASTRUCTURE STRATEGY ACTIONS



Culture of Asset Management

Everyone empowered, informed, and included in shaping infrastructure that impacts their communities and lives.



Rethinking Rates and Revenues

Updating our current rates and revenue structures to reflect the realities and opportunities of the 21st century.



Regional Infrastructure Coordination Hubs (RICH)

Transforming regional transportation planning processes into integrated infrastructure hubs.



Efficient and Green Public Infrastructure Systems

Leading by example in the clean energy transition. Building energy security into the future public sector business model.



Unified Planning and Regulatory Framework

Aligning State process and data systems to support integrated asset management approaches and investment strategies.



Leaders in Emerging Technology

Maximizing the productivity of our workforce through the adoption of transformative technology.



BACKGROUND

The Michigan Infrastructure Council (MIC), established under Public Act 323 of 2018, aims to create a unified, strategic approach to managing infrastructure assets statewide. Comprising members from both the public and private sectors, the MIC is uniquely positioned to foster collaboration and coordination across all infrastructure asset classes and levels of government. By taking a holistic approach to infrastructure planning, management, and investment—considering transportation, water, stormwater, energy, and communications needs—the MIC seeks to protect public health, the environment, and Michigan’s future economic growth.

MISSION

Our mission is to cultivate partnerships that strengthen Michigan’s Infrastructure to provide the foundation for public and environmental health, economic prosperity, and quality of life.

VISION

Future infrastructure systems that strengthen social bonds, empower a robust economy, and safeguard our natural heritage, great lakes, and quality of life for generations to come.

VALUES



COLLABORATE

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



COORDINATE

Align strategies for infrastructure management to ensure that Michigan’s assets are effectively and efficiently constructed, operated, and maintained.



EDUCATE

Provide accurate and trusted information to support effective infrastructure decisions.



INVEST

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



PRIORITIZE

Establish and document the condition of Michigan’s infrastructure to identify the needs of greatest priority.

OUR COUNCIL

The Michigan Infrastructure Council itself consists of council members and staff. But the MIC's efforts are sustained and supported through countless agencies, groups and individuals.

VOTING MEMBERS

Erin Kuhn

Governor Appointment
Term Expires 12/31/2024

Marco Bruzzano

Governor Appointment
Term Expires 12/31/2024

Beverly Watts

Governor Appointment
Term Expires 12/31/2024

Kathleen Lomako

Governor Appointment
Term Expires 12/31/2025

John H Daly III, Ph.D

Senate Minority Appointment
Term Expires 12/31/2025

Palencia Mobley, P.E.

Governor Appointment
Term Expires 12/31/2026

Charles Marshall

House Speaker Appointment
Term Expires 12/31/2026

Doug Matthews

Senate Majority Appointment
Term Expires 12/31/2026

Open Position

House Minority Leader
Appointment

NONVOTING MEMBERS

Sue McCormick

Michigan Water Asset Management Council
(WAMC)

Joanna Johnson

Michigan Transportation Asset Management
Council (TAMC)

Charyl Kirkland

Michigan Public Service Commission
(MPSC)

Jonathan Mallek

Michigan Department of Agriculture and
Rural Development (MDARD)

Aaron Keatley

Michigan Department of Environment,
Great Lakes, and Energy (EGLE)

Daniel Lord

Michigan Department of Natural Resources
(DNR)

Eric Swanson

Michigan Department of Technology,
Management, and Budget (DTMB)

Todd White

Michigan Department of Transportation
(MDOT)

Kevin Smith

Michigan Department of Treasury
(Treasury)

PARTNERSHIPS FOR PROGRESS

Partnering across the state, nation, and internationally unlocks more resources, knowledge, and expertise. No one government, agency, or private company is responsible for all the infrastructure systems we rely upon. As a result, building partnerships is critical to the success of the MIC because it fosters collaboration, leverages diverse expertise, and ensures that infrastructure management efforts are aligned, efficient, and sustainable across all levels of government, industry sectors, and communities. By working together with partners from all sectors, MIC fosters more effective practices to manage Michigan's infrastructure. Together, we can tackle complex infrastructure challenges and develop integrated solutions for a more resilient future, improve resilience, and create a sustainable future for generations to come.

PROGRAMMING PARTNERS

Michigan Infrastructure Office (MIO)—Since 2023, the MIC has partnered with the MIO as part of their Technical Assistance Center (TAC). The TAC helps local governments, state agencies, and tribal nations pursue federal infrastructure grants made available through the Bipartisan Infrastructure Law (BIL) and Inflation Reduction Act (IRA).

Michigan High Speed Internet Office (MI-HI)— Since 2022, the MIC staff has served on the Connecting Michigan Communities (CMIC) and Realizing Opportunity Through Broadband Investment (ROBIN) steering committees, helping review statewide broadband infrastructure investment plans to realize the greatest value statewide.

Michigan Association of Regions (MAR)—Since 2019, the MIC has partnered with the MAR to encourage communities to assess their current asset management practices using the MIC's Asset Management Readiness Scale (AMRS). MAR provides the MIC with anonymous assessments of current practices that allows the MIC to tailor education and training that meets locals where they are in their asset management journey. Results from this benchmarking were included in the MIC 2023 Annual Report.

Canadian Network of Asset Managers (CNAM)—Through a partnership with CNAM, the MIC developed the curriculum for our Asset Management Champions program. The training is based on best practices and lessons learned from Canada's implementation of the Infrastructure for Jobs and Prosperity Act implementation. Program participants are also provided a CNAM membership free-of-charge for up to a year after they graduate the program.

PARTNERSHIPS FOR PROGRESS cont.

icInfrastructure— The asset management experts at icInfrastructure have served as key advisors and educators for the MIC AM Champions training program. With over two decades of global asset management experience, icInfrastructure has been instrumental in developing our asset management readiness training for communities across Michigan.

Michigan State University— In 2022, the MIC partnered with Michigan State University's Institute of Public Utilities as part of the 2022 Michigan Forum: Sustainable Infrastructure for Michigan.

ATOM-AI— Following the success of the MIC Project Portal proof of concept stage in 2023, the MIC partnered with ATOM-AI to begin developing the next version of the Portal to support statewide deployment. After months of development and customization, the MIC released its Project Portal 2.0 (MIDIG) in June 2024.

Environment, Great Lakes, Energy (EGLE)— Michigan drinking water operators can now boost their professional development by completing the Asset Management Champions program. Thanks to a 2023 collaboration between the MIC and EGLE, graduates of the program qualify for up to 2.5 continuing education credits.

Michigan Department of Transportation (MDOT)— The (MIC) and MDOT initiated a collaboration in early 2024 to incorporate the Statewide Transportation Investment Plan (STIP) into the MIC Project Portal. This integration will unlock the potential of MDOT's existing data, fostering increased cooperation among local, private, and state stakeholders as we work together to modernize Michigan's roadways.

Additional Partners

Transportation Asset Management Council

Water Asset Management Council

Institute of Asset Management (IAM)

Michigan Townships Association (MTA)

Michigan Municipal League (MML)

Michigan Planning Association (MPA)

Treasury

Labor and Economic Opportunity

Moment Strategies

American Council of Engineering Companies

Great Plains Institute

Southeast Michigan Council of Governments

East Michigan Council of Governments

Michigan County Road Association (CRA)

MIC STAKEHOLDERS

All stakeholders—from government entities to owners and operators—must collaborate effectively to improve our infrastructure practices. Our mission is not just to provide maintenance to an infrastructure asset but to create thriving communities where essential services like reliable power, clean water, safe transportation, and resilient communication networks enhance everyone's quality of life. By uniting in our efforts to develop robust and adaptable infrastructure, we can contribute to a more resilient society. Together, we can make this vision a reality.





MIC works closely with various units of government, state agencies, public and private infrastructure owners, elected officials, private consultants and contractors, regional planning agencies, academic institutions and trade.



2024 | **EVENTS**

Michigan Asset Management Champions
Webinars and Learning Pods

Michigan Township Association Conference

Michigan Department of Environment, Great Lakes,
and Energy Appropriations Committee Meeting
Presentation

Southeast Michigan Council of Governments
Presentation

Michigan Water Environment Association Asset
Management Seminar Presentation

Michigan Chapter of the American Public Works
Association Presentation

Treasury Webinars

Integrated Infrastructure Conference

Rotary Club Meeting Presentation

Michigan Government Finance Officers Association
Conference Presentation

Michigan Broadband Summit Presentation

Central Michigan University Career Fair

Labor and Economic Opportunity - Rural Readiness
Network Presentation

Institute of Asset Management – Great Lakes Branch
Presentation

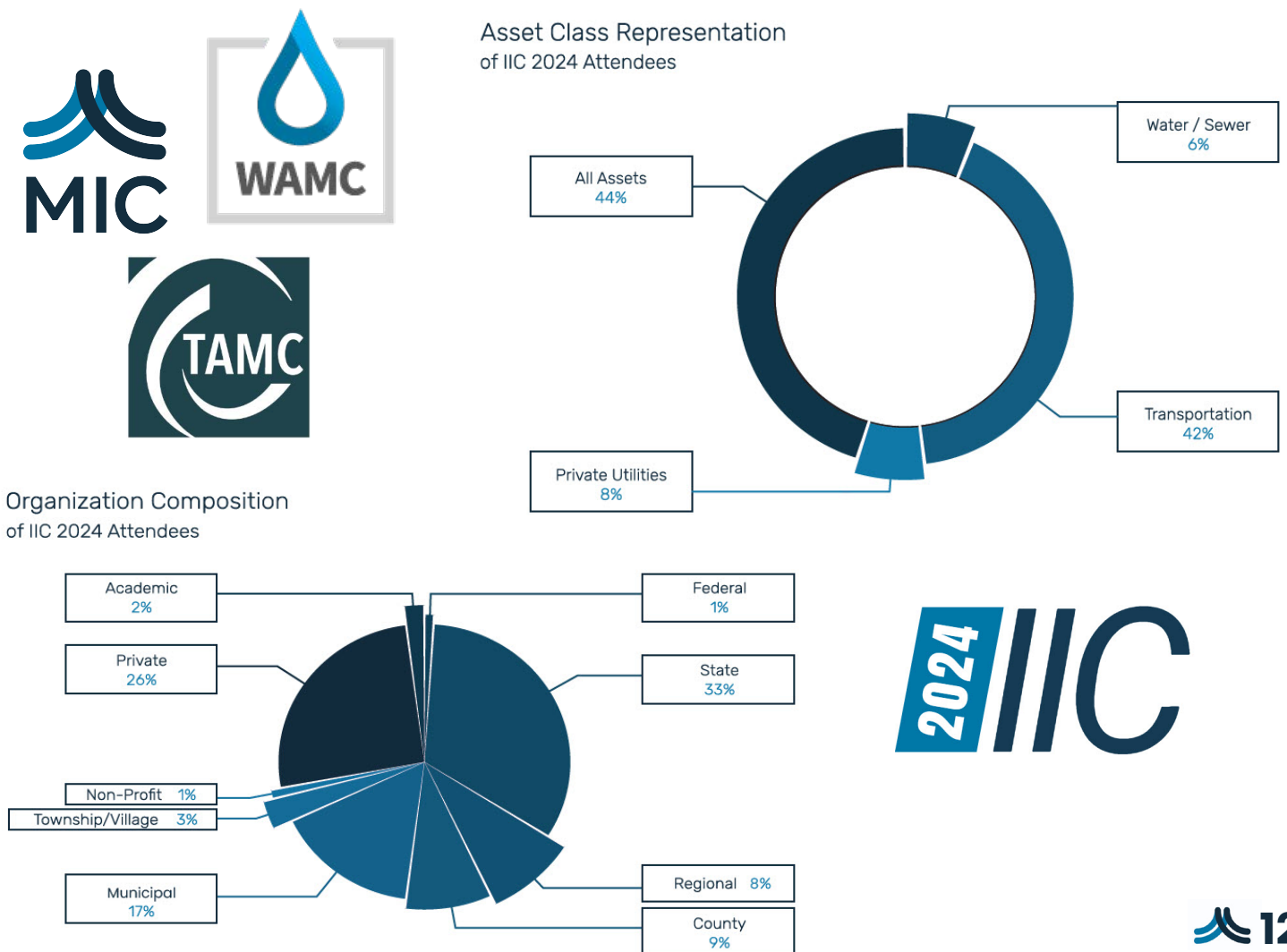
INTEGRATED INFRASTRUCTURE CONFERENCE

The Michigan Infrastructure Council (MIC), the Transportation Asset Management Council (TAMC), and the Water Asset Management Council (WAMC) jointly hosted Michigan's inaugural Integrated Infrastructure Conference (IIC) in August of 2024.

The conference aimed to showcase integrated asset management strategies among different asset owners. The conference's theme was "Fostering a culture of asset management for a brighter future" through exploring opportunities for collaboration and coordination across various asset classes, including transportation, drinking water, wastewater, storm water, energy, and communications.

The IIC was built off the success and tenure of the annual TAMC conferences. The past audience for the TAMC conferences was transportation stakeholders from various levels of government, regional planning agencies, and the private sector. To build off this prior audience composition, concerted efforts were made to advertise registration to other asset classes as well.

The information below displays data from the approximate 230 conference attendees.







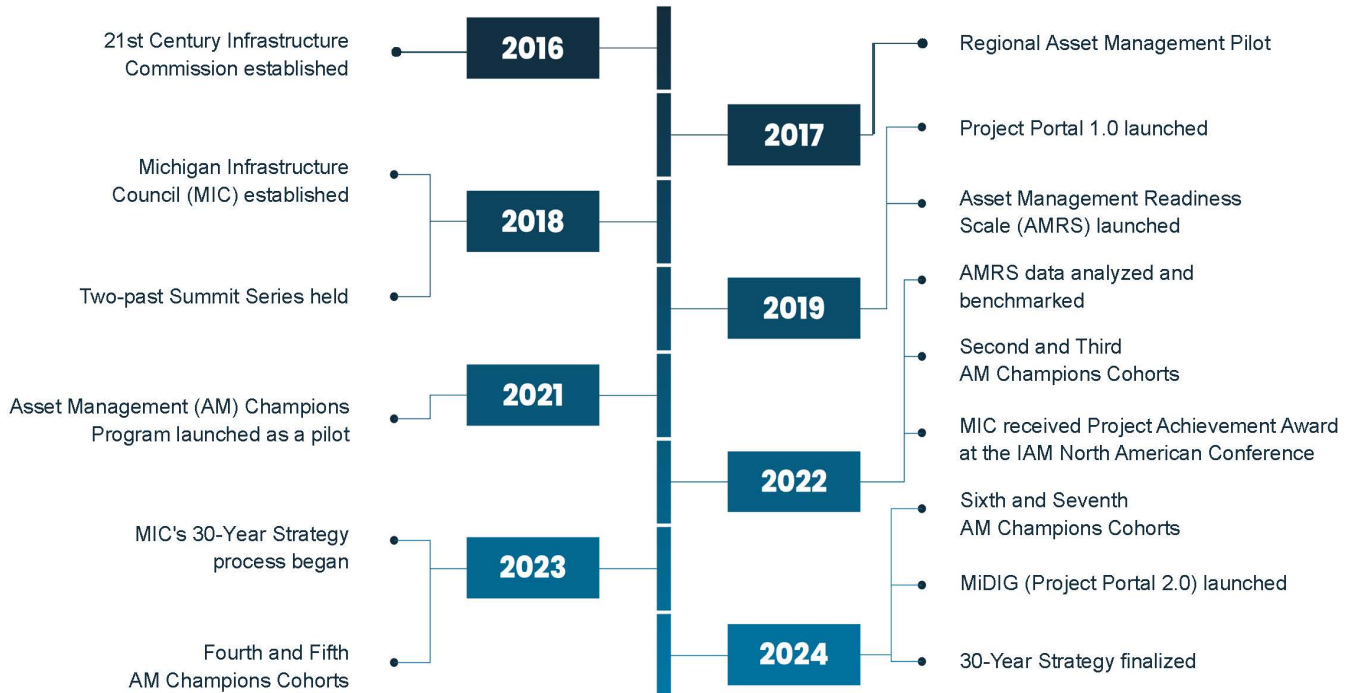
30-YEAR INTEGRATED INFRASTRUCTURE STRATEGY

The Michigan Infrastructure Council's (MIC) 30-Year Integrated Infrastructure Strategy represents a landmark opportunity for Michigan to create a unified approach to its infrastructure needs. By spearheading coordination among public and private sectors, Michigan can become a national leader in innovative infrastructure management. This strategic initiative promises to enhance the quality and reliability of essential services for all residents, ensuring a stronger, more resilient future for every community.



DEVELOPMENT

Michigan's Integrated Asset Management Journey



The focus of the 21st Century Infrastructure Commission, the predecessor to the Michigan Infrastructure Council (MIC), was to address the challenges posed by aging infrastructure systems that have suffered from decades of deferred maintenance. The Commission identified a significant gap: Michigan lacked a strategic plan for the holistic management of its infrastructure. To tackle this issue, the Commission proposed an integrated asset management approach.

As a result of their recommendations, the MIC was established through Public Act 323. The Council was tasked with developing a strategy to implement standardized asset management systematically across all asset classes.

The 30-Year Integrated Infrastructure Strategy (Strategy) is the cornerstone of the MIC and Public Act 323. This Strategy is the result of a collaborative effort drawing on diverse infrastructure and stakeholder expertise. It was developed by the MIC, the Transportation Asset Management Council (TAMC), and the Water Asset Management Council (WAMC). Shaped by the insights and experiences of current and former council members, testimonials from MIC Asset Management Champion graduates, feedback from statewide outreach focus groups, and results from a public infrastructure survey, the Strategy aims to enhance Michigan's infrastructure management.



CULTURE OF ASSET MANAGEMENT

Everyone empowered, informed, and included in shaping infrastructure that impacts their communities and lives.

Objectives:

- Every Public-Sector Employee Has Access to Standardized Infrastructure Asset Management Training
 - Preparing Elected Officials and Administrators for Asset Management Policy And Plans.
 - Aligning Our Vision with Private Consultant Practices
 - Creating Informed Citizens Who Understand and Embrace Their Role in Our Integrated Infrastructure Future
-



REGIONAL INFRASTRUCTURE COORDINATION HUBS (RICH)

Transforming regional transportation planning processes into integrated infrastructure planning hubs.

Objectives:

- Develop a Framework for an Integrated Infrastructure Planning Process
-



UNIFIED PLANNING AND REGULATORY FRAMEWORK

Aligning State process and data systems to support and incentivize integrated asset management approaches and investment strategies.

Objectives:

- Integrated Infrastructure Dashboard
- Aligning Funding Streams and Permitting to Unlock Integrated Solutions
- Incorporate Transportation Plans in the Project Portal as a Baseline
- Leveraging Collective Expertise Through Cross Council Collaboration
- Hosting an Inaugural Integrated Infrastructure Conference

ACTIONS cont.



RETHINKING RATES AND REVENUES

Updating our current rates and revenue structures to reflect the realities and opportunities of the 21st century.

Objectives:

- Increasing our Advocacy for Funding and Finance
 - Building Rate Analysis and Rate Making Into Finance Departments
 - Ensuring Access in a Rising Cost Environment
 - Diversification of Revenues for Financial and Climate Resilience
-



EFFICIENT AND GREEN PUBLIC INFRASTRUCTURE SYSTEMS

Leading by example in the clean energy transition. Building energy security into the future public sector business model.

Objectives:

- Public Sector Energy Management Systems
 - Targeting Energy Waste Reduction Programs to Improve Equity
 - Public Right-of-Way as Clean Energy and Broadband Asset
 - Exploring Pathways to Community Solar
-



LEADERS IN EMERGING TECHNOLOGY

Maximizing the productivity of our workforce through the adoption of transformative technology.

Objectives:

- Evolving and Enhancing The MIC Project Portal
- Leveraging Computerized Maintenance Management Systems (CMMS)
- Retrofitting our Infrastructure for Real-Time Monitoring and Awareness
- Increase Use of Emerging Technologies to Advance Asset Management Capabilities

MICHIGAN INFRASTRUCTURE COUNCIL COMMITTEES

To ensure the strategy's goals are accomplished, the MIC has taken steps to create a strong organizational foundation and review process. In 2024, MIC committees were restructured to align directly with the implementation of the 30-Year Integrated Infrastructure Strategy actions.

The Standing Committees are responsible for overseeing the general business and legislative requirements outlined in Public Act 323 of 2018. Subject Matter Expertise (SME) groups are tasked with executing the MIC's strategic priorities, work plan, and 30-year Integrated Infrastructure Strategy goals.

STANDING COMMITTEES



ADMINISTRATION

Tasks - Annual Workplan, RFPs, budget, and funding recommendations. Council alignment efforts, speaking engagements, legislative and agency inquiries and advocacy.



NOMINATIONS

Tasks - WAMC Nomination Process and Procedures, Nominee Solicitation and Review, Recommendations to the Council (Annual Meeting)



COMMUNICATIONS

Tasks - MIC Outreach Strategy (30-Year), MIC branding, one-pagers, website, promotional printed materials. Work plan from Moment (MICs Communications Vendor)

SUBJECT MATTER EXPERTISE GROUPS



ASSET MANAGEMENT EDUCATION

Tasks - AM Champions Program Redesign, AM 201 - Program Development, AM for Elected Officials Program Development, Annual Conference Planning



RATES, FUNDING, AND FINANCE

Tasks - Rates, Funding, Finance, public education, shared services, financial incentives and disincentives, Revenue Diversification Opportunities



CLIMATE ADAPTION AND RESILIENCE

Tasks - Infrastructure Energy Benchmarking, Energy Waste Reduction Strategies, Land Use Strategies, Renewables and EVs.



STATEWIDE INTEGRATED ASSET MANAGEMENT SYSTEM AND EMERGING TECHNOLOGY

Tasks - MIC Outreach Strategy (30-Year), MIC branding, one-pagers, website, promotional printed materials. Work plan from Moment (MICs Communications Vendor)



Everyone has a role to play in infrastructure asset management, and Michiganders must take on this responsibility to improve the efficiency of our complex infrastructure systems. An asset is something that holds value.

For example, your vehicle is an asset that provides a service but also comes with associated costs like oil changes and repairs. Public infrastructure assets form the backbone of our economy and significantly contribute to our quality of life. For asset owners and operators, these public assets may include roads, buildings, bridges, lighting, pumps, telecommunication networks, utility grids, and sewer lines. Effective asset management enables communities to maximize public physical assets' financial and service value.

Public Act 323 of 2018 defines asset management as “an ongoing process of maintaining, preserving, upgrading, and operating physical assets cost-effectively, based on a continuous physical inventory and condition assessment and investment to achieve performance goals.” Successful infrastructure asset management requires a shared understanding and culture of asset management among those who own, operate, pay for, and utilize these essential services.

In summary, infrastructure assets are valuable because they provide services to communities. An effective asset management framework equips asset owners and managers with the tools they need to be responsible stewards of these assets. Asset management is a process that helps individuals determine how, where, and when to allocate funds to meet and achieve their objectives.

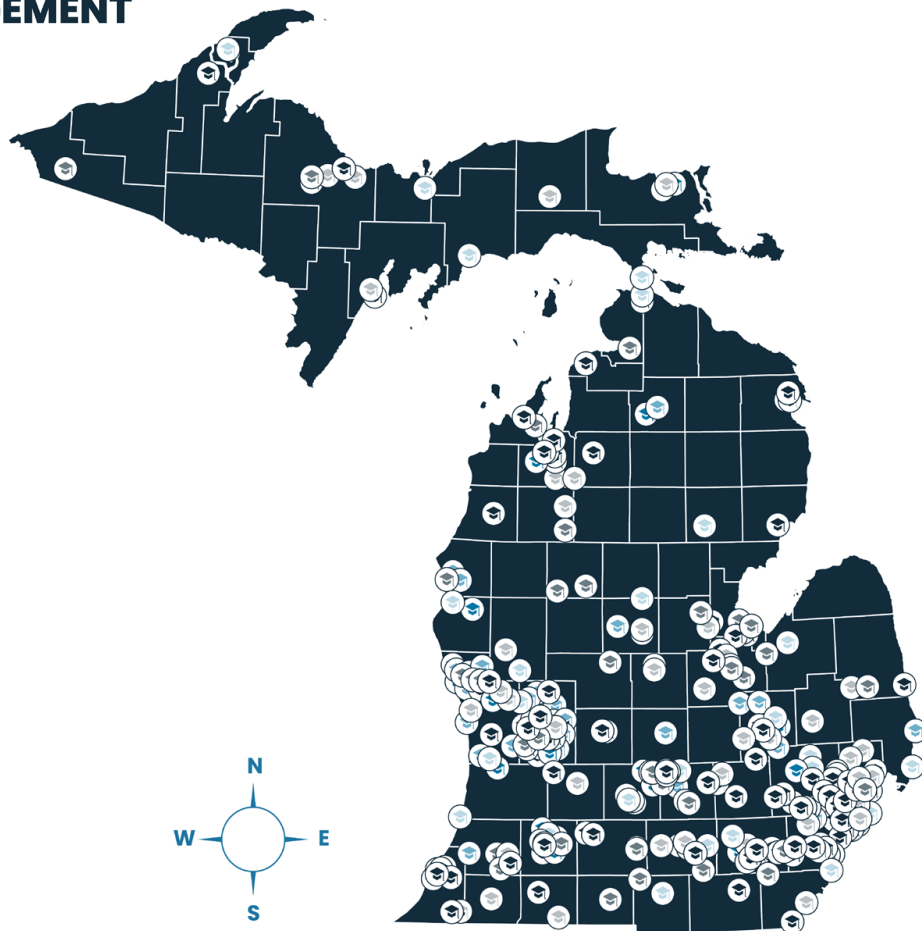
ASSET MANAGEMENT CHAMPIONS PROGRAM

MIC is dedicated to fulfilling our legislative responsibilities by ensuring that training and education programs based on asset management principles are accessible. These initiatives aim to provide accurate and reliable information that supports effective infrastructure decision-making, promoting financial viability and instilling confidence by anticipating future costs.

The Asset Management (AM) Champions program is a robust and collaborative web-based training initiative that connects asset management practitioners with practical tools to promote best practices within their organizations. This program helps individuals acquire the knowledge, skills, and networks needed to navigate the complexities of infrastructure management. It effectively nurtures peer collaboration and expands integrated asset management education among asset managers and decision-makers across Michigan.

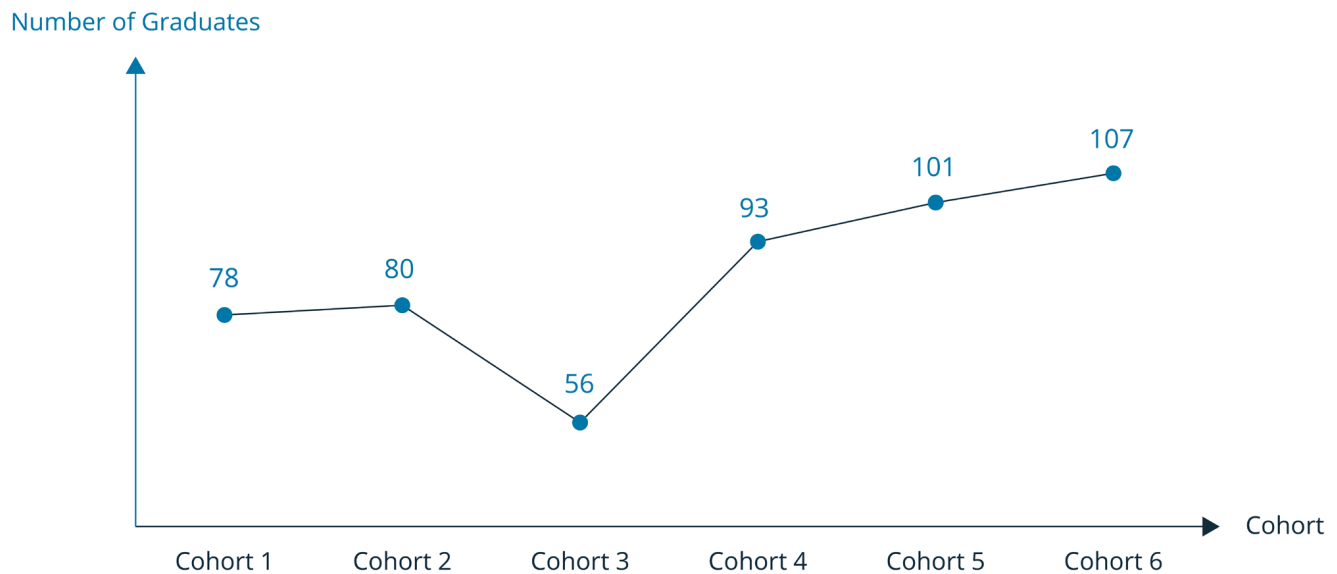
The Asset Management Champions program will continue to increase participation in 2025 and beyond.

ASSET MANAGEMENT CHAMPIONS



AM CHAMPIONS PROGRAM cont.

Number of Graduates by Cohort



ACCREDITATION

The MIC is committed to being an educational resource to every infrastructure practitioner. Every public-sector employee will have access to standardized infrastructure asset management training to improve their asset management readiness. Graduates of the Asset Management Champions program will have the opportunity to gain the following professional credits:

- EGLE - Drinking Water Operator Continuing Education Credits
- Professional Engineer Professional Development Hours

Elected Officials and Decision Makers Asset Management Champions Program

The MIC will develop a streamlined training program on asset management that focuses on the overall concept. Formal training for elected officials and decision-makers in asset management increase potential for effective implementation. This program aims to provide elected officials and decision-makers with a clear, high-level understanding of asset management principles and practices.

It will emphasize their crucial role in making informed local investment policy and budget decisions. By improving their knowledge of how effective asset management contributes to sustainable community development, the program will enable officials to engage more effectively with infrastructure practitioners, asset management champions within their organizations, and the communities they serve.

Citizen Guide to Infrastructure

The MIC began the discovery process to create a series of citizen guides focused on infrastructure systems to help citizens understand their roles in shaping the future of our infrastructure. By fostering a culture of asset management, we will establish a common language around this important topic.

A recent survey conducted by the MIC provided valuable insights into improving public understanding and support for infrastructure investments. The study aimed to assess public perception of infrastructure conditions and performance, as well as evaluate the effectiveness of our current educational efforts. Additionally, the survey revealed that the public is seeking opportunities beyond traditional public meetings to gain a better understanding of community investment priorities and asset management strategies.



BUDGET

The Michigan Infrastructure Council (MIC) is funded through an annual appropriation from the Michigan Legislature to the Department of Treasury. Since 2021, the MIC has received \$3.849 million annually to fulfill its legislative mandate under the Michigan Infrastructure Council Act. Over the past three years, the MIC has primarily focused on developing a long-term strategic plan to guide its work and priorities for the next five years. As this strategic planning phase concludes in 2024, the MIC is poised for significant program expansion in Fiscal Year 2025.



CONCLUSION



The state faces significant challenges with its infrastructure, including aging systems, climate change, and shifting population demands. Albeit, MIC is committed to addressing these challenges through existing and future partnerships to provide a resilient and reliable infrastructure foundation to support the quality of life for future generations. Michigan is striving to become a national leader in integrated infrastructure asset management by fostering collaboration between the public and private sectors.

Looking ahead, MIC envisions an infrastructure system that serves as a foundation for a thriving and equitable future for all Michiganders. This future will be characterized by sustainable systems that are well-connected and maintained through collaboration and coordination. We urge all Michiganders to actively participate in developing a more sustainable infrastructure.

Join us in promoting a culture of integrated asset management statewide to ensure a brighter future.



www.michigan.gov/mic