



Michigan  
Infrastructure  
Council

# ANNUAL REPORT

Fiscal Year  
2019



Developing a 30-Year  
Infrastructure Strategy  
for Michigan

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## Acknowledgments

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John Weiss, Chairperson

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Michigan Infrastructure Council – Nonvoting, Ex Officio Members: Joanna Johnson, Aaron Keatley, Ryan Laruwe, Sue McCormick, Ken McFarlane, Laura Mester, Sharon Schafer, Larry Steckelberg, Eric Swanson

Michigan Infrastructure Council – Amber Hicks, Michigan Department of Treasury

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## Executive Summary

The Michigan Infrastructure Council (MIC) has completed its inaugural year, steadfastly focused on a 3-year effort to develop a 30-year, statewide infrastructure planning framework. The intent of the 2018 legislation creating the Council was that an effort be undertaken to develop a long-term strategy for life-cycle infrastructure management that addresses concerns across a broad array of assets (e.g. roads, bridges, drinking water, wastewater, utilities, communications, etc.). Over the last year, MIC has commenced a number of initiatives along with its sub-councils, the Water Asset management Council (WAMC) and the Transportation Asset Management Council (TAMC), to generate the information and input that will ensure this long-term framework is inclusive and comprehensive.

As part of this initiative, the Council partnered with regions across the state to host 15 asset management summits this spring. The facilitated discussion and 879 individual pieces of feedback from these events informed the Council of the challenges and the opportunities for greater coordination in Michigan. With 450 participants representing 246 different organizations, the Council's goal of a broad outreach and engagement was met. A second round of regional summits will be held this fall.

The fall summits will further this feedback dialog and introduce training for an asset management readiness model. Using a well-tested and widely used Canadian assessment platform, the Council will work with regional and local partners throughout the state to complete asset management readiness assessments. This process and the data generated will go a long way toward providing a comprehensive picture of the current condition of asset management planning and practice across Michigan's infrastructure owners and managers.

The Council has also initiated an effort to create a collaborative space for infrastructure construction planning through the development of a cross-asset project portal. The portal will identify opportunities to "dig once," alerting asset owners of planned above-ground and below-ground construction cycles. A prototype of the portal will be presented at the fall Regional Asset Management Summits.

These and other efforts represent a proactive approach to gather information and input that will be necessary to build reliable and resilient infrastructure in our state. Any effort to partner on projects, to cost share, or to improve integrated asset management will need a sustainable model for conversation and cooperation. MIC, WAMC, and TAMC, guided by P.A. 323, 324, and 325 of 2018, exemplify that ethos by building trusted relationships. MIC is an engaged partner with Michigan's administration and legislature in this important work and is excited to lead this multi-year effort to create a comprehensive, 30-year statewide infrastructure framework.



# 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 and 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)

\* Formerly Michigan Department of Environmental Quality

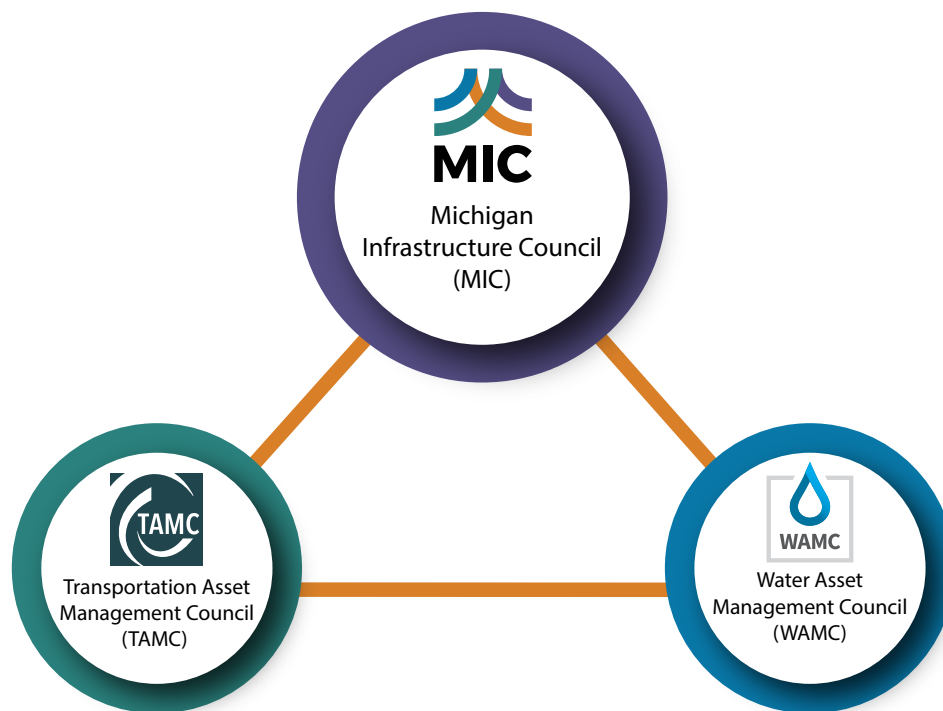


Figure 1. Council Reporting Structure

## Council Members

As defined through P.A. 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).

**Table 1: Voting Members**

Name	Affiliation	Appointed by	Term
Mr. John Weiss, Chairperson	Grand Valley Metropolitan Council	Senate Majority Leader	12/31/2020
Ms. Kathleen Lomako, Vice-Chairperson	Southeast Michigan Council of Governments	House Minority Leader	12/31/2019
Mr. Marco Bruzzano	DTE Energy	Governor	12/31/2020
Mr. John H. Daly III	Alpha Infrastructure Management (AIM) Group	Senate Minority Leader	12/31/2019
Mr. Dan Fredendall	Orchard, Hiltz & McCliment, Inc. (OHM)	Speaker of the House	12/31/2020
Mr. Jon Kangas	Marquette Township (formerly Charter Township of Chocolay)	Governor	12/31/2019
Ms. Erin Kuhn	West Michigan Shoreline Regional Development Commission	Governor	12/31/2021
Ms. Palencia Mobley	Detroit Water and Sewerage Department	Governor	12/31/2020
Mr. David Wresinski	WSP USA/WSP Michigan Inc.	Governor	12/31/2021

**Table 2: Non-Voting Members**

Name	Affiliation	Term
Mr. Ken McFarlane	MDARD - Agriculture and Rural Development	2018 - Present
Mr. Aaron Keatley	EGLE – Environment, Great Lakes, and Energy	2018 - Present
Ms. Sharon Shafer	MDNR - Natural Resources	2018 - Present
Ms. Laura Mester	MDOT - Transportation	2018 - Present
Mr. Eric Swanson	DTMB - Technology, Management and Budget	2018 - Present
Mr. Larry Steckelberg	Department of Treasury	2018 - Present
Ms. Sally Talberg	MPSC - Public Service Commission	2018 - Present
Mr. Ryan Laruwe	MPSC - Public Service Commission (Surrogate)	2018 - Present
Ms. Joanna Johnson	TAMC - Transportation Asset Management Council	2018 - Present
Mr. Bill McEntee	TAMC - Transportation Asset Management Council (Surrogate)	2018 - Present
Ms. Sue McCormick	WAMC - Water Asset Management Council	2018 - Present
Mr. Scott House	WAMC - Water Asset Management Council (Surrogate)	2018 - Present

## FY2018-FY2019 Meeting Schedule

In FY2019, MIC conducted ten meetings in accordance with the Open Meetings Act, 1976 P.A. 267, MCL 15.261 to 15.275. 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).

**Table 3. FY2018-FY2019 Meeting Schedule and Key Inaugural Activities**

Date	Activity	Fiscal Year
September 6, 2018	Chairperson and Vice-Chairperson elected	FY2018
September 20, 2018	WAMC members appointed	FY2018
October 11, 2018		FY2019
November 8, 2018	MIC Bylaws adopted	FY2019
December 6, 2018		FY2019
January 10, 2019	MIC Mission and Goals adopted	FY2019
February 14, 2019		FY2019
March 14, 2019	MIC 180-Day Report released	FY2019
April 11, 2019		FY2019
May 9, 2019		FY2019
June 13, 2019		FY2019
	No Summer Meetings	
September 12, 2019		FY2019



## Mission and Goals

The launch of Michigan Infrastructure Council (MIC) and its sub-councils, the Water Asset Management Council (WAMC) and the Transportation Asset Management Council (TAMC), established Michigan as a national leader in integrated infrastructure asset management. Legislation set forth ambitious milestones including a 180-Day Report, a 3-year workplan and a 30-year strategic plan. In response, the council adopted a mission and five goals that echo the need for both immediacy of action and a commitment to comprehensive asset management and ongoing innovation.



### MIC Mission

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

<b>Collaborate</b>
Facilitate a coordinated, holistic approach that optimizes the engagement of all stakeholders who manage and use Michigan's infrastructure.
<b>Coordinate</b>
Align strategies for infrastructure management to ensure that Michigan's assets are effectively and efficiently constructed, operated, and maintained.
<b>Prioritize</b>
Establish and document the condition of Michigan's infrastructure to identify the needs of greatest priority.
<b>Educate</b>
Provide accurate and trusted information to support effective infrastructure decisions.
<b>Invest</b>
Determine, recommend, and advocate for adequate funding for Michigan's infrastructure and promote effective and efficient investments to achieve maximum benefit.

## FY2018-FY2019 Significant Accomplishments and Next Steps

The Michigan Infrastructure Council (MIC) had an active and successful first year. In addition to key inaugural activities and time-sensitive legislative mandates, MIC launched several workplan initiatives. Each of these initiatives leverages subgroup leadership, aligns with legislative requirements, and champions MIC goals.

### Subgroups

MIC established nine subgroups in FY2018-FY2019. Drawing expertise from council members and other partners, the nimble subgroup structure allows for several critical activities to occur concurrently. No formal committees were established in FY2018-FY2019. All subgroups are supported by MIC staff in the Michigan Department of Treasury.

**Table 4: MIC Subgroups FY2018-FY2019**

Subgroup	Participants	Status
<b>Cross-Council Leadership Collaboration:</b> Ensure coordination between the MIC, WAMC, TAMC	John Weiss/Sue McCormick/Joanna Johnson, Kathleen Lomako, Scott House, Bill McEntee	Active
<b>Communications:</b> Draft and maintain outreach materials	Marco Bruzzano/Kathleen Lomako, John Daly III, Aaron Keatley, Erin Kuhn	Meets as needed
<b>Cross-Asset Project Portal:</b> Advise on collaborative technology that enables coordination of infrastructure projects to support "Dig Once" opportunities	Eric Swanson/Marco Bruzanno, Ryan Laruwe, Ann Burns (Southeast Michigan Council of Governments), Carrie Cox (Oakland County), Jeff Parker (Consumers Energy), Bill McEntee (TAMC), Suzanne Pauley and Mark Holmes (Michigan Department of Technology, Management, and Budget), Mark Conradi (Michigan Department of Environment, Great Lakes, and Energy), Bob O'Brien (AT&T)	Active
<b>Definitions &amp; Standards:</b> Establish shared terminology and mutual understanding between asset types (water, transportation, utilities, and communications)	John Daly III, 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>Asset Management Readiness:</b> Develop training and assessment materials and establish statewide/ MIC performance metrics	Ken McFarlane, Jon Kangas, Erin Kuhn, Larry Steckelberg, Tim Colling (Michigan Technological University), Brad Pagratis and Bob Schneider (Michigan Department of Environment, Great Lakes, and Energy)	Active
<b>Regional Asset Management Communication &amp; Coordination Summits:</b> Coordinate, schedule and create content for regional meetings	Erin Kuhn, John Daly III, Dan Fredendall, Jon Kangas, Dave Wresinski	Active
<b>Strategic Coordination &amp; Investment:</b> Research and advise on infrastructure funding/ financing	John Weiss/Kathleen Lomako, Aaron Keatley, Laura Mester, Sharon Shafer, Dave Wresinski	Meets as needed
<b>Reports:</b> Develop content and review MIC reports	John Weiss, Jon Kangas, Kathleen Lomako, Palencia Mobley, Larry Steckelberg	Meets as needed
<b>Meeting Minutes:</b> Review and edit meeting minutes	Dan Fredendall, John Weiss	Meets as needed





## Workplan Initiatives

MIC embarked on several workplan initiatives in FY2018-FY2019. Significant activities and accomplishments are identified according to goal area.



### 1. Cross-Asset Project Portal

## Cross-Asset Project Portal

### Background

Addressing underground infrastructure concurrent with road-opening construction, through a “dig once” approach, results in substantial cost-savings and reduced citizen burden. The cross-asset project portal will allow authorized public and private asset owners to document future construction locations/dates across transportation, water, utilities, and communications infrastructure. Leveraging Geographic Information Systems (GIS) technology, the portal will alert owners of overlapping projects and provide pertinent contact information for collaboration.

### Year-1 Activities

The Project Portal technology will be developed by the Center for Shared Solutions (CSS), Michigan Department of Technology, Management, and Budget (DTMB). A diverse subgroup representing transportation, water, utility, and communications experts, GIS professionals, and MIC/WAMC/TAMC members agreed that the portal should be kept simple, accessible, and relevant across assets. Requirements gathering is complete, with data collection attributes and State of Michigan security measures confirmed. Budget has been approved and the portal is in development.

### Next Steps

A prototype of the project Portal technology will be demonstrated at the fall Regional Asset Management Summits (October/November 2019). These demonstrations will be used as an opportunity to gather feedback from future users of the portal. This feedback will then be considered, and incorporated where appropriate, in the final portal design. The MIC Cross-Asset Project Portal is expected to launch by Summer 2020.





1. Regional Asset Management Summits
2. Mutual Data Sharing Agreement (DSA)

## Regional Asset Management Summits

### Background

MIC, in partnership with regions across the state, designed a two-part summit series aimed at improving coordination and collaboration across a diverse set of stakeholders regarding water, transportation, utilities, and communications infrastructure. The series consists of meetings in the spring and fall of 2019 and is funded by Integrated Asset Management grants provided through the Michigan Regional Prosperity Initiative.

### Year-1 Activities

Fifteen summits were held across the state throughout May/June 2019. Themed, "Beginning the Conversation," the summits featured introductory content pertaining to integrated asset management in Michigan and activities that prompted new conversations between participants. The format was

a fast-paced mix of

educational material, interactive problem-solving, and facilitated discussion. In alignment with MIC legislation, the summits sought to elicit feedback on current challenges to collaboration and barriers to the delivery of integrated asset management.

Engagement in the summits well exceeded expectations. A statewide summary and individual regional reports from the spring Regional Asset Management Summits can be found on the MIC website: [www.michigan.gov/mic](http://www.michigan.gov/mic).

### SPRING SUMMITS – BY THE NUMBERS

**15** summits in **14** communities over **6** weeks

**450** participants including government officials representing local, regional, state, and tribal jurisdictions, private utilities and telecommunications, non-governmental organizations, and consultants

**246** different organizations represented across the summits

**879** individual pieces of feedback



### Next Steps

The 2019 summit series will conclude in October/November 2019. Building on the popular spring events, summits will once again be held across the state and will feature several opportunities for peer-to-peer engagement, education, and feedback. A full listing of summit dates, times, and locations as well as agenda content can be found on the MIC website: [www.michigan.gov/mic](http://www.michigan.gov/mic). Given the success of the summit format, MIC is seeking additional funding to continue these events in 2020.



## Mutual Data Sharing Agreement (DSA)

### Background

MIC legislation requires the Council to “Identify and designate a process to plan, analyze, and coordinate asset management across assets and asset owners at the regional level.” A first step toward these coordinated activities is trusted relationships, with established roles and responsibilities, between the asset owners (local), regions, and the state. A legally binding Data Sharing Agreement (DSA) creates the structure for these relationships.

### Year-1 Activities

The Infrastructure Asset Management Pilot (2017) recognized over 3,350 asset-owning entities in Michigan. Drafting and adopting separate DSA between local entities, regions, and the state is an immense and redundant administrative burden, requiring numerous attorneys. Therefore, working with attorneys for the Southeast Michigan Council of Governments (SEMCOG) and the State of Michigan Attorney General's Office, a mutual DSA was collaboratively drafted. Since the state is not currently collecting asset data, the DSA serves as a baseline that meets the current SEMCOG needs (local – regional asset data collection) and contemplates future data collection/sharing between local-regional-state participants.

### Next Steps

SEMCOG has embarked upon a significant water asset data collection initiative and will pilot the mutual DSA with its local constituents. Other regions may also use the DSA for similar purposes. If/when MIC initiates asset data collection or regionally aggregated data collection, the Council will work with the State of Michigan Attorney General's Office to draft a participating addendum to the mutual DSA. Since the DSA has already been approved, only the participating addendum will need additional review and adoption, significantly reducing the administrative and legal burden at all levels of asset ownership and government.







## PRIORITIZE

1. **Definitions and Standards**
2. **Review of the 21st Century Infrastructure Commission Report and Infrastructure Asset Management Pilot**

### Definitions and Standards

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#### Background

Many aspects of the MIC legislation require a shared understanding of assets and asset classes and their related data standards and definitions. A common glossary and agreed upon vernacular across transportation, water, utilities, and communications infrastructure is necessary to prioritize integrated asset management activities.

#### Year-1 Activities

Given limitations of time and funding, the Definitions and Standards subgroup focused on two elements: a common glossary of infrastructure terms and a common set of asset condition ratings (good-fair-poor). The subgroup acknowledged the current TAMC glossary and is working to incorporate additional infrastructure terms and/or broaden the TAMC definitions to include all asset types. The subgroup is leveraging international and national organizations (e.g. International Infrastructure Management Manual, American Public Works Association, American Water Works Association, etc.) and council member expertise to complete the glossary.

The subgroup, comprised of members representing transportation, water, and utilities infrastructure, collectively agreed to a common condition scale of good/fair/poor. Noting that each asset and/or infrastructure system may vary in terms of service life (measured in years), maintenance schedules, criticality, or risk of failure, a common condition scale and percentage of remaining service life can nonetheless be standardized across assets.

#### Next Steps

The process for completing the glossary and common condition scale has been agreed upon. These processes will be employed over the coming years to establish, review, and implement the asset/asset classes definitions and standards.

### Review of the 21st Century Infrastructure Commission Report and Infrastructure Asset Management Pilot

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#### Background

The 21st Century Infrastructure Commission, an advisory body comprised of 27 members, was created by Governor Rick Synder through Executive Order 2016-5 to initiate the planning, development, and management of Michigan's complex infrastructure network over the next 30 to 50 years. Through the publication of the 21st Century Infrastructure Commission Report (2016), the Commission acknowledged the many challenges to Michigan's aging, underfunded, and siloed infrastructure environment and issued a comprehensive set of recommendations across water, transportation, energy, and communications.



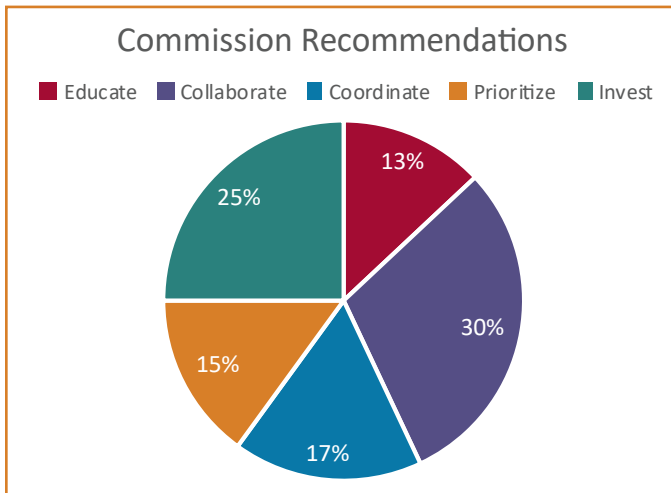


Chart 1. Alignment between Commission Recommendations and MIC

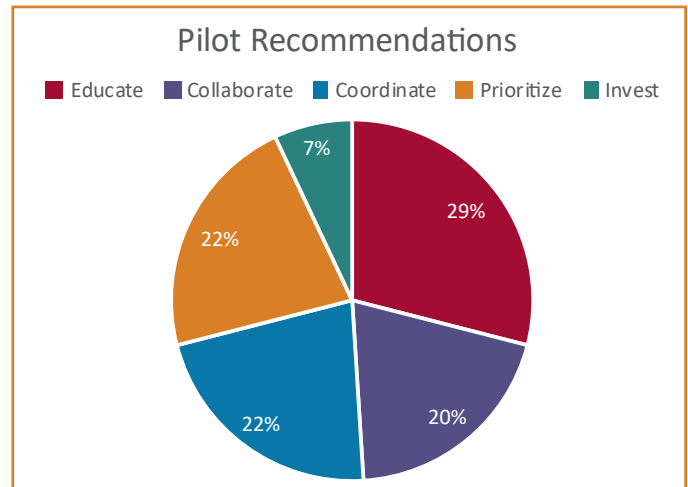


Chart 2. Alignment between Pilot Recommendations and MIC Goals

The Regional Infrastructure Asset Management Pilot commenced in April 2017 through Executive Directive 2017-1 and was tasked with developing an integrated asset management process that could be leveraged across state, regional, and local government and both public and private utilities. The pilot culminated in a comprehensive report which included a set of recommendations for elevating Michigan's leadership in infrastructure asset management.

### Evaluation and Year-1 Activities

As required by MIC legislation, the Council must "evaluate the regional infrastructure asset management pilot program ... and the findings of the 21st Century Infrastructure Commission." The combined reports resulted in over 150 recommendations for evaluation. Each recommendation was recorded, considered, and aligned with one of the five MIC goals: Educate, Collaborate, Coordinate, Prioritize, and Invest. As noted in Charts 1, 2, and 3, the Commission and Pilot recommendations are well represented and fairly evenly distributed through the MIC goals. Furthermore, the analysis demonstrated that 35% of the combined recommendations are currently being implemented through ongoing MIC activities.

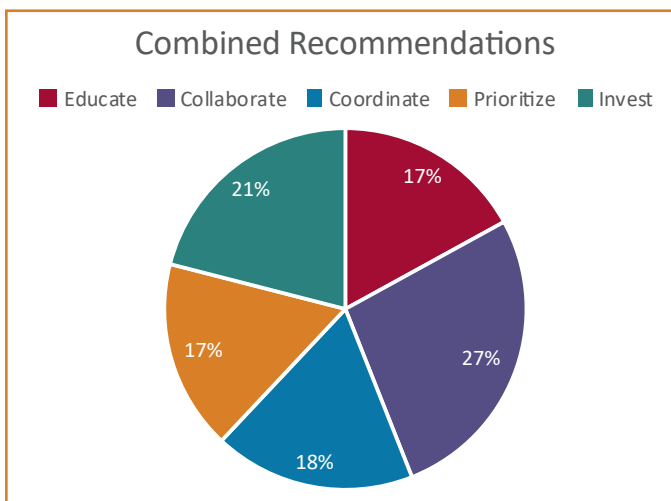


Chart 3. Commission and Pilot Recommendations Combined and Aligned with MIC Goals



In addition to the objective evaluation developed from the Commission and Pilot reports, there was a desire to capture input from the commissioners and subject matter experts (SME) who contributed to these original activities. A thirteen-question survey was conducted through SurveyMonkey, prompting a total of 74 Commission and Pilot participants to provide personal feedback. The survey achieved a 35% response rate (note: generally accepted response rate for external surveys is 10-15%, with anything above 25% considered above average).

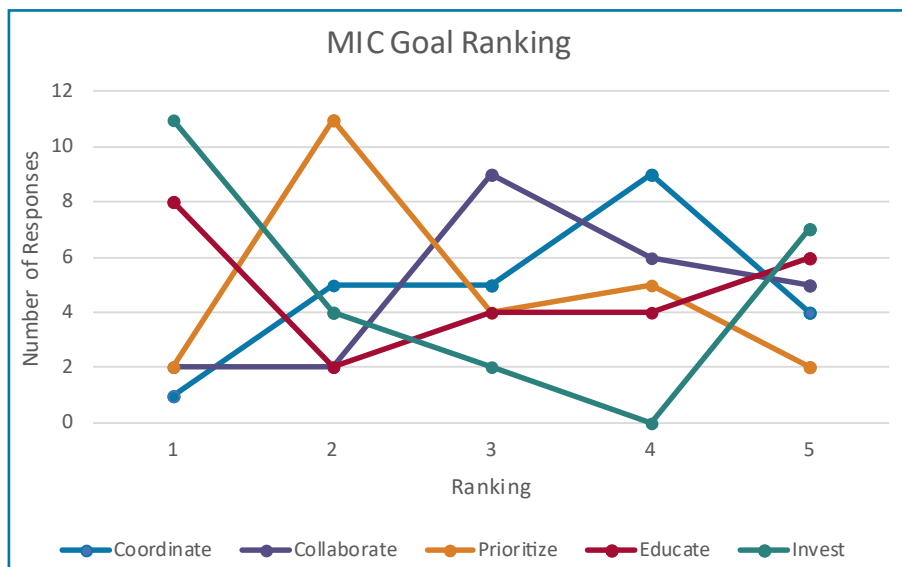


Chart 4. Survey Responses from Commission and Pilot Participants

Overall, the participant responses were positive with seven contributors requesting a follow-up conversation to provide additional feedback. Of particular interest to MIC, survey participants were asked to rank the MIC goals in order of importance for the successful development of a 30-year infrastructure strategy for Michigan. Their responses are graphed in Chart 4. Invest and Educate ranked most important, followed closely by Prioritize.

The full evaluation and comparative matrix from the 21st Century Infrastructure Commission Report and Infrastructure Asset Management Pilot evaluation as well as the analysis from the commissioner and SME survey can be found on the MIC website: [www.michigan.gov/mic](http://www.michigan.gov/mic).

## Next Steps

The recommendations from the 21st Century Infrastructure Commission and the Infrastructure Asset Management Pilot will continue to serve as a guide to the MIC's workplan. The Council will annually update and maintain the recommendations matrix to confirm alignment with current MIC activities. Similarly, ongoing engagement with the commissioners and SME will ensure that leaders across local, regional, and state government and both public and private utilities are leveraged for their expertise.



# EDUCATE

1. Asset Management Readiness Assessment
2. Communications and Branding

## Asset Management Readiness Assessment

### Background

Consistent standards and a common understanding of best practice asset management principles are critical to the development of a 30-year infrastructure strategy. Applying uniform criteria across the state allows for the capture of baseline metrics, the creation of target improvement goals, and systematic reassessment.

### Year-1 Activities

Working through the Michigan Department of Treasury procurement process, MIC successfully led a Request for Proposal (RFP) and awarded a contract to the Canadian Network of Asset Managers (CNAM) for an *Asset Management Readiness Tool and Related Training*. Through contract, CNAM has agreed to customize their existing Asset Management Readiness Scale for Michigan purposes and provide subsequent training services. The Scale affirms five asset management competencies: policy and governance, people and leadership, data and information, planning and prioritization, and external communication and knowledge sharing. Within each competency, corresponding "readiness" levels are defined and ranked 1-5.

To build trust and improve participation rates, MIC has worked with the State of Michigan Freedom of Information Act (FOIA) officers, to assure that individual responses are free from FOIA and that only regionally aggregated data will be reported to MIC.

### Next Steps

The Asset Management Readiness Assessment will be deployed through regional partners to asset owners across transportation, water, utilities, and communications infrastructure. Regional leaders will be trained by CNAM through a train-the-trainer approach October 9-10, 2019. The Readiness Assessment will be introduced through the Regional Asset Management Summits in October/November 2019. Aggregated data collection will occur in the first quarter of 2020 with analysis thereafter.

Training materials and the MIC Asset Management Readiness Assessment will be available on the MIC website: [www.michigan.gov/mic](http://www.michigan.gov/mic).



# Communications and Branding

## Background

Given the inaugural status of MIC in FY2018-FY2019, there was a need to quickly introduce the Council and communicate priorities to internal and external partners. With an early focus on graphic identity (i.e. color scheme, logo, and website) as well as clear and consistent messaging, MIC was able to establish a uniform brand and build a communications strategy.

## Year-1 Activities

In alignment with Michigan Department of Treasury communications guidelines, a comprehensive Communications Plan was devised to simultaneously educate audiences on integrated infrastructure asset management and MIC activities. A multi-faceted approach including standardized materials, numerous outreach engagements, news releases, and reports were employed throughout the year.

Standardized, printed materials included hard copy handouts and promotional materials:

- Tri-fold brochure introducing the Council
- 5 one-page flyers defining MIC's mission and goals
- 3 x 8 inch "rack card" to quickly communicate MIC strategy
- Branded binder clips

Digital versions of the material can be found on the MIC website: [www.michigan.gov/mic](http://www.michigan.gov/mic).

A Speakers Bureau was established, and a standard PowerPoint was developed. In total, over 60 presentations were given by MIC members and staff. A full listing of outreach activities and engagements can be found in Appendix B.

MIC also released three mid-year reports:

- 180 Day Report: Developing a 30-Year Infrastructure Strategy for Michigan
- Join the Conversation: Regional Infrastructure Asset Management Summits – Spring 2019 Summary Report
- 21st Century Infrastructure Commission/ Infrastructure Asset Management Pilot Evaluation and Participant Survey Review

These reports had a limited print run for administrative and outreach purposes only. Full copies can be found on the MIC website: [www.michigan.gov/mic](http://www.michigan.gov/mic).

## Next Steps

MIC will continue to meet legislatively required report guidelines and further expand its education and outreach activities.





## INVEST

## 1. Strategic Coordination and Investment Subgroup

## Strategic Coordination and Investment Subgroup

### Background

Many aspects of the MIC legislation focus on recommendations for budgets, funding, and financing. Research and advisement on these matters is critical to a 30-year infrastructure strategy.

### Year-1 Activities

While FY2018-FY2019 necessarily focused on inaugural activities and time-sensitive priorities, MIC recognized a need for a dedicated subgroup. The Strategic Coordination and Investment subgroup was formed. The group has not been called to action but is poised to deliver in upcoming years.

### Next Steps

Under the guidance of MIC, this subgroup will conduct research and provide advisement on budgeting, funding, and financing matters.



# Multi-Year Workplan

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## Year 1 Workplan

- Conduct First Meeting of the Michigan Infrastructure Council – September 6, 2018
- Elect Chairperson and Other Officers (Vice-Chairperson)
- Develop and Adopt Michigan Infrastructure Council Bylaws
- Appoint Water Asset Management Council members
- Launch Michigan Infrastructure Council Website - <https://www.michigan.gov/mic>
- Develop and Adopt Michigan Infrastructure Council Mission and Goals
- Develop Communications Plan and Materials
- Conduct Initial Meetings with Key Stakeholder Groups (See Appendix B)
- Initiate Cross-Council Collaboration Efforts
- Initiate Development of Cross-Asset Portal
- Develop Michigan Infrastructure Council Budget – FY2019/FY2020
- Author and Publish 180-Day Report: Developing a 30-Year Infrastructure Strategy for Michigan
- Evaluate and Implement Key Recommendations from the 21st Century Infrastructure Commission Report
- Evaluate and Implement Key Recommendations from the Infrastructure Asset Management Pilot
- Research, Evaluate, and Initiate Adoption of Definitions and Standards for Assets and Asset Classes
- Establish Baseline Performance Metrics (Asset Management Readiness Assessment)
- Conduct Regional Asset Management Summits - Spring Summits 2019
- Research and Advise on Asset Management Matters
- Research and Gather “External Input” from Subject Matter Experts including International Community/ Peer States, Private Sector, Not-for-Profit Industry Organizations, etc.
- Author and Publish Annual Report: Developing a 30-Year Infrastructure Strategy for Michigan – FY2019

## Year 2 Workplan

- Finalize Water Asset Management Council (WAMC) and Transportation Asset Management Council (TAMC) Asset Management Plan Templates and Implement 3-year Collection Cycle
- Refine and Continue Cross-Council Coordination Efforts (Education, Shared Resources, Execution of Asset Management Plans)
- Conduct Regional Asset Management Summits - Fall Summits 2019



- Seek Funding Mechanism to Continue Regional Asset Management Summits
- Launch Cross-Asset Project Portal
- Research and Identify Data Inventory Needs
- Establish and Implement Data Collection Process at the Local/Regional Level (Inventory, Storage, Updates, Reporting, etc.) \*
- Establish and Implement Data Collection Protocols for Data Security, Accuracy, etc. at the Local/Regional/State Level\*
- Adopt Definitions and Standards for Assets and Asset Classes
- Research and Identify Barriers to Integrated Asset Management (Funding Cycles, Regulatory Policies, etc.)
- Establish Action Plans to Address Integrated Asset Management Barriers
- Initiate Collection and Tracking of Statewide Performance Metrics (Asset Management Readiness Assessment)
- Research and Advise on Asset Management Matters
- Author Draft 30-Year Integrated Infrastructure Strategy for Michigan\*
- Initiate 1-Year Public Evaluation and Incorporate Feedback on Draft 30-Year Integrated Infrastructure Strategy for Michigan\*
- Author and Publish Annual Report: Developing a 30-Year Infrastructure Strategy for Michigan – FY2020

### Year 3 Workplan

- Conclude Public Evaluation and Incorporate Feedback on Draft 30-Year Integrated Infrastructure Strategy\*
- Continue implementation of 3-year Collection Cycle for the Water Asset Management Council (WAMC) and Transportation Asset Management Council (TAMC) Asset Management Plans
- Fully Implement Cross-Council Coordination Efforts (Education, Shared Resources, Execution of Asset Management Plans)
- Recommend Levels of Support for Local Asset Data Collection, Local Development of Asset Management Plans, Regional Review and Collaboration, and Participation in Integrated Asset Management\*
- Refine Collection and Tracking of Statewide Performance Metrics, Establish Long-term Target Metrics, and Strategies
- Publish 30-Year Integrated Infrastructure Strategy\*
- Author and Publish Annual Report: Operationalizing a 30-Year Infrastructure Strategy for Michigan – FY2021

*\*Activity under review - currently evaluating resources and ability to complete this portion of the workplan*

## Budget

The Department of Treasury received a one-time funding allocation of \$1,500,000 through P.A. 201 of 2017 to fund the activities, costs, and expenses of the Michigan Infrastructure Council (MIC).

Ongoing funding, to sustain the activities of MIC, has yet to be identified.

Budgeting will be coordinated with the Water Asset Management Council (WAMC) and the Transportation Asset Management Council (TAMC) where applicable to ensure cost efficiencies and encourage shared-service activities between the respective councils.



Work Project	Expense	Balance
<b>Beginning Balance</b>		\$1,500,000.00
<b>FY2018</b>	\$ 19,394.00	\$1,480,606.00
<b>FY2019*</b>		
Administrative Costs <i>Staff Salaries, Office Administration,     and Council Expenses</i>	\$338,920.00	
Research and Education <i>Encumbered Funds – Asset Management     Readiness Assessment Services Contract</i>	\$ 49,950.00	
Asset Management Planning	\$ 0.00	
Other Projects <i>Outreach and Communications Materials,     Regional Asset Management Summits</i>	\$ 11,200.00	
<b>Ending Balance*</b>		<b>\$1,080,536.00</b>

\* Projected through September 30, 2019



## Moving Forward

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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. MIC is ready to embark on the next steps toward the development of a 30-year statewide infrastructure framework.

Looking ahead to year two, 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: References

The Michigan Infrastructure Council (MIC) has garnered local, state, and national attention for its progressive mission and long-term goal of statewide, integrated infrastructure asset management. A listing of key reports, news releases, and other publications is provided.

### Legislation

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## Articles and Other Publications

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Haglund, R. (2018, November/December). New Councils Get Serious about Addressing Infrastructure Issues. *The Review – The Official Magazine of the Michigan Municipal League*, pp. 36-37.

Landers, J. (2018, September). *Michigan RAMPs up asset management*. Retrieved from: [www.wef.org](http://www.wef.org): <https://www.wef.org/resources/publications/all-magazines/water-environment-technology/wet-issues/water-environment--technology2/wet-magazine---September-2018/>

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## Appendix B: Outreach and Engagement Activities

The Michigan Infrastructure Council (MIC) is committed to outreach and engagement across all infrastructure stakeholder groups, including but 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, alignment of resources, and coordinated work efforts, MIC has participated in numerous outreach and engagement activities throughout FY2018-FY2019. A listing of key activities is provided.

### State of Michigan Bureaus, Programs, and Initiatives

Six state agencies and the Michigan Public Service Commission have standing representation on MIC. In addition to these formal interactions, MIC has engaged with several state agency bureaus, programs, and initiatives to ensure program and message alignment.

State of Michigan Bureaus, Programs, and Initiatives
Department of Environment, Great Lakes, and Energy – Water Infrastructure Work Group
Department of Technology, Management, and Budget – Center for Shared Solutions
Department of Technology, Management, and Budget – Enterprise Information Management (EIM)
Department of Technology, Management, and Budget – Michigan Consortium of Advanced Networks (MCAN), Michigan Partnership for Broadband Advancement (MiPBA), Connecting Michigan Communities (CMIC)
Department of Transportation – Michigan Mobility 2045
Department of Treasury – Bureau of Local Government
Michigan Office of the Great Lakes
Michigan State Police – Critical Infrastructure Protection (CIP) Unit
Regional Prosperity Initiative (RPI)
Talent and Economic Development - Michigan Land Bank





## Not-for-Profit/Non-Governmental Organizations

Organization
American Council of Engineering Companies / American Society of Civil Engineers (ACEC/ASCE) - Michigan
American Public Works Association (APWA) – Michigan Chapter
American Society of Civil Engineers (ASCE) - National
American Water Works Association (AWWA) – Michigan
Business Leaders for Michigan (BLM)
Great Lakes Commission
Michigan Association of Counties (MAC)
Michigan Association of County Drain Commissioners (MACDC)
Michigan Association of Regions (MAR)
Michigan Chamber of Commerce
Michigan County Roads Association (MCRA)
Michigan Economic Development Corporation (MEDC)
Michigan Electric Co-Op (MECA)
Michigan Infrastructure and Transportation Association (MITA)
Michigan Municipal Electric Association (MMEA)
Michigan Municipal League (MML)
Michigan Public Power Agency (MPPA)
Michigan Rural Water Association (MRWA)
Michigan Society of Professional Engineers (MSPE)
Michigan State University Institute for Public Utilities (IPU)
Michigan Townships Association (MTA)
Michigan Water Environment Association (MWEA)
National Governor's Association

## Other Outreach and Engagement

Organization
Canadian Network of Asset Managers (CNAM)
Consumers Energy
Michigan Interactive
MISS DIG 811
National Council for Public-Private Partnerships (NCPPP)
Public Sector Digest

## Presentations

MIC members and staff presented to over 2000 stakeholders and partners throughout FY2018-FY2019. A formal Speakers Bureau was developed to track speaking engagements and ensure message consistency. A listing of presentations is provided.

Subgroup	Organization
October 4, 2018	Grand Valley Metropolitan Council Board
October 4, 2018	ITC Community Partners
October 10, 2018	Regional Prosperity Initiative Public Meeting
October 10, 2018	Bureau of Local Government – Michigan Department of Treasury
October 23, 2018	Transportation Asset Management Council – Fall Conference
October 26, 2018	Grand Valley Metropolitan Council Legislative Dinner
November 7, 2018	Muskegon in Focus
December 14, 2018	Michigan CIOs
December 17, 2018	West Michigan Prosperity Alliance
January 11, 2019	West Michigan Chamber – Public Policy Committee
January 23, 2019	MWEA/MI-AWWA Asset Infrastructure Committee Event
January 24, 2019	MI – American Public Works Association (APWA)
February 5, 2019	County Engineers Workshop
February 20, 2019	EPA Region 5 Forum
February 26, 2019	WLND – City of Westland
March 11, 2019	MDOT Operations Conference
March 12-14, 2019	Michigan County Roads Association (CRA)
March 12, 2019	SEMCOG Asset Management Workshop
March 18-19, 2019	Michigan Municipal League (MML)
March 25, 2019	Michigan Association of Counties (MAC)
April 16-17 2019	AWWA Conference
April 23, 2019	Great Lakes Commission (GLC) Webinar
May 2-3, 2019	Michigan Society of Professional Engineers (MSPE)
May 6-9, 2109	Canadian Network of Asset Managers (CNAM)
May 7, 2109	County Road Association (CRA)
May 14, 2019	Conference of Minority Transportation Officials (COMTO)
May 16, 2019	ACEC/ASCE – 2019 MI Infrastructure Conference
May 16, 2019 – June 28, 2019	Regional Asset Management Summits
May 21-23, 2019	American Public Works Association (APWA) Conference
May 22, 2019	Transportation Asset Management Council (TAMC) – Spring Conference



May 30, 2019	Muskegon Lakeshore Chamber of Commerce
June 4-5, 2019	Northern Michigan Environmental Compliance Conference
June 5, 2019	G2G Marketplace Tech Conference
June 9-11, 2019	Improving Michigan's Access to Geographic Information Networks (IMAGIN)
June 26, 2019	Michigan Water Environment Association
June 27, 2019	Urban Metro Mayors and Managers
July 25, 2019	Michigan Climate Coalition
August 14, 2019	SEMCOG University
August 21-22	Minnesota Asset Management Peer Exchange
August 22, 2019	Shelley Irwin Radio Show – WGVU
September 15-18, 2019	Michigan Government Management Information Sciences (MiGMIS)
September 18-20, 2019	Michigan Communities Association of Mapping Professionals (MiCamp)
September 18, 2019	Commission of Agriculture and Rural Development
September 24, 2019	Michigan AWWA

**Website - <https://www.michigan.gov/mic>**

MIC manages a comprehensive website to provide additional council information and educational content to its stakeholders and partners. Since launch, the MIC website has totaled over 6,800 unique site visits with peaks occurring in alignment with key reports and outreach activities. As MIC matures, this site will serve as an access point to dashboards and analytics, asset management tools and templates, and other resources.

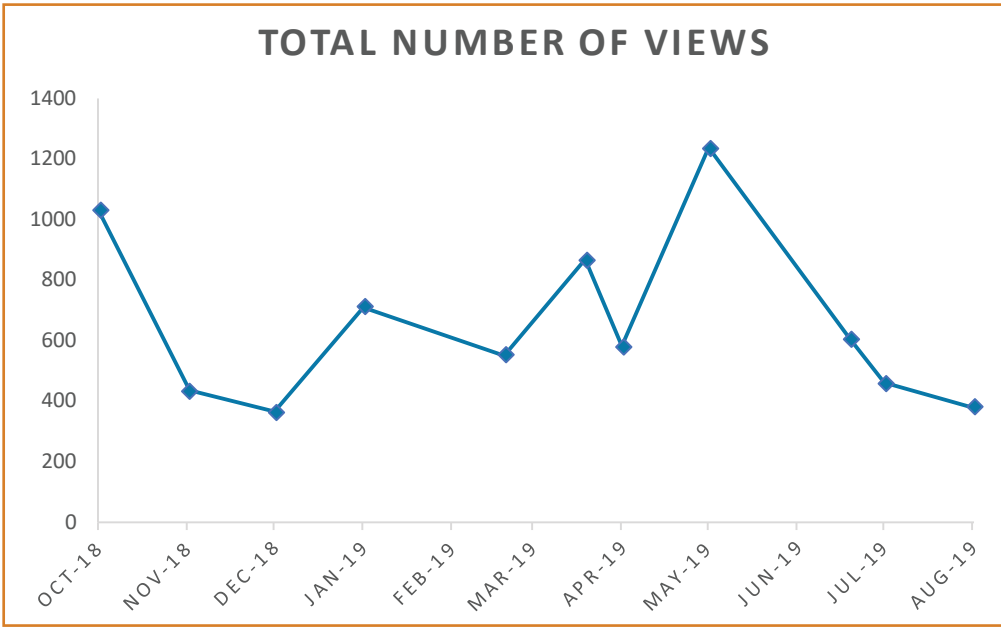


Chart 5. Website Traffic (October 2018-August 2019)



Michigan  
Infrastructure  
Council