

# MI IAMP

yearlong project, bringing together experts across the

## Michigan Infrastructure Asset Management JULY 2017



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## Why an Asset Management pilot?

Improving Michigan's critical infrastructure statewide requires an unprecedented level of collaboration throughout all levels of government, with private industry and institutions, and with its communities and residents.

Michigan needs reliable, safe, efficient and cost-effective infrastructure - a 21st century infrastructure system that creates a foundation for the future so that communities are safe and attractive for residents and businesses. By adopting a more comprehensive approach to managing our infrastructure assets, we will be able to better plan, coordinate, manage, and invest in our infrastructure statewide. This will result in improvements to our unique water resources, from drinking water to storm water that contribute to our 'Pure Michigan' brand and quality of life. Asset management leads to a more globally competitive business climate by assuring we are achieving the largest benefits possible for dollars expended. Most critically, it results in a more sustainable infrastructure system that will provide high quality and reliable service for our communities, residents, and businesses, both now and into the future.

Throughout its work last year, Michigan's 21st Century Infrastructure Commission determined that by effectively implementing asset management, we can improve the security, safety, and public health for our communities, reduce overall costs, prolong the service life of Michigan's infrastructure assets, advance economic development, and help meet regulatory requirements.

The Michigan Infrastructure Asset Management Pilot is a

state, at every level of government, and in collaboration with numerous stakeholders to pilot a statewide asset management system across asset classes to include transportation, drinking water, wastewater, stormwater, energy and broadband. This is a unique and nationally significant endeavor that will tackle the complexities of both urban and rural systems across sectors. Through this collaborative effort between southeast and west Michigan, state departments, and stakeholders, including public agencies and private utilities, we will create a culture of asset management and begin to identify important asset management processes and opportunities for collaboration, coordination, and efficiency.

The two pilot regions are comprised of Wayne, Oakland, and Macomb counties in the Detroit Metro Prosperity Region, led by the **Southeast Michigan Council of Governments, (SEMCOG)**, and the thirteen counties of the **West Michigan Prosperity Alliance**, guided by the **Grand Valley Metro Council (GVMC)**, with the assistance of the **West Michigan Shoreline Regional Development Commission (WMSRDC)**. Across the state, stakeholders and infrastructure experts will be meeting on a regular basis to help establish the framework in the development of a statewide asset management structure and database system.

Members of this pilot will help to determine a framework for asset management across the state of Michigan, identify barriers and solutions for common issues, and develop a plan for state-wide implementation, ultimately improving Michigan's infrastructure systems and enhancing the quality of life for residents, communities, and businesses.

## Overall Vision for Asset Management across Michigan

- A culture of asset management across all infrastructure assets and across the state
- Assessments of our water, wastewater, stormwater and transportation infrastructure.
- A long-term integrated asset management strategy that results in coordination and increased cost efficiencies for utilities and local agencies of all sizes. The data and information needed to determine funding levels, and the incentives needed, for strategic infrastructure investments.

## Pilot Mission

- Build a culture of asset management across all infrastructure assets and across the state
- Develop consistency across asset owners in asset standards and management practices
- Create mechanisms for coordinated planning and communication across asset owners and types statewide.
- Develop a system that will support our understanding of assets and enable us to make informed decisions at a local, regional and state level.

## Key pilot objectives and milestones

- Identify and engage key public and private infrastructure stakeholders, consultants and technical experts to create mechanisms for coordinated planning and communication across asset owners and types statewide.
- Identify and define asset focus areas for the pilot study across drinking water, wastewater, stormwater and transportation through subject matter expert workshops, and determine what is doable in the twelve-month timeframe.
- Engage private sector stakeholders across energy and broadband for more effective coordination.
- Define and create a strategy around data protection and data security controls (physical, cyber, and governance) both short term for the pilot and longer term for a statewide system.
- Develop consistent asset standards and management practices across asset owners.
- Define the criteria for database software and tools that are compatible across asset types and leverages existing best practice data storage and reporting tools.
- Work with other government agencies such as DEQ and MDOT to ensure consistency of asset management practices and data requirements.

## Meeting Update:

June 15, 2017 - Subject Matter Expert Workshops

On June 15, over 40 regional representatives from transportation, drinking water, wastewater and stormwater held discussions to initiate the process of defining key assets and attributes for the pilot. Individual asset class workshops began identifying the multitude of factors that influence asset management decisions.

Meeting in teams of asset class experts, the groups worked together to consider the most important elements of both urban and rural systems, taking into consideration the age and life expectancy of the asset and service history, along with risk to service delivery. Meeting for the first time, subject matter experts from state and local government, along with other agencies and members of the consulting community, shared ideas, experiences, and worked together to make significant progress on not only what is achievable for the pilot duration but also what asset management looks like from at a longer term strategic level.

## Meeting Update:

June 27, 2017 – Stakeholder Committee Meeting

The second Stakeholder Committee meeting was held in Lansing on June 27<sup>th</sup>, bringing about a very informative and productive discussion. Several presentations were heard, including an overview about the DEQ's requirements around NPDES wastewater permits and upcoming Asset Management requirements, training and CIP plans for drinking water. Further, a summary was provided on the SAW program, its key components, what it supports, and what value is derived from the coordination of data-driven decisions. Additional updates and overviews were provided by TAMC and the DOT in regard to the State of Michigan Asset Management Survey.

A final key topic focused on security controls related to the physical, cyber and legal environment, as well as data sharing best practices and its application to not only the pilot duration, but also as a statewide system is rolled out. Also discussed, were the legal protections for data collected during the pilot and eventually housed in a state wide system.

## Upcoming Meetings:

**July 19** – Subject Matter Expert Workshop #2, 1:00 – 4:00 p.m. in Lansing

**July 20** – Communications/ Energy Workgroup Meeting, 2:30 – 4:00 p.m. in Lansing

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**REMINDER:** A SharePoint site for the pilot was recently set up as the primary means of sharing and contributing documents and resources internally with this group. You recently received an email from Therese Empie, [empiet@michigan.gov](mailto:empiet@michigan.gov) about setting up your SharePoint account. Please take a moment to respond today or contact Therese with any questions.