Transportation Asset Management Council
2017-2019 Work Program

Mission Statement
To develop and support excellence in managing Michigan’s transportation assets by:

   a. Advising the Legislature and the State Transportation Commission
   b. Promoting Asset Management principles
   c. Providing tools and practices for road agencies

Acronym Legend
A – Administrative & Education Committee
B – Bridge Committee
CSS – Center for Shared Solutions
M – Michigan Department of Transportation
MPO/RPO – Metro/Regional Planning Agencies
TC – TAMC Chairperson

Act51 – County, City, & Village
C – Full Council
D – Data Committee
MTU – Michigan Technological University
S – Support Staff

Attachments
1 – FY2016-2017 TAMC Budget
2 – TAMC Strategic Planning Session: June 27, 2016 & July 19, 2016
COMMUNICATIONS

1. Press Releases
   Ongoing Activities
   A. Continue publishing press releases as appropriate (TC,A,S)

2. Monthly Summary of TAMC Activities & Initiatives
   Activities for 2017-2019
   A. Develop/create summary template (TC,S)
   B. Seek feedback on larger issues (C,TC,S)

3. Outreach with Stakeholders
   Ongoing Activities
   A. Monthly Regional Coordinator's Conference Call (S,CSS,MTU,MPO/RPO)

   Activities for 2017-2019
   A. Query how information is shared with partner agencies (C,A,S)

4. Support TAMC Partner Agencies at Conferences
   Activities for 2017-2019
   A. Schedule of conferences and topics (C,A,S)
   B. Reach out for presentations and displays (C,S)
   C. Coordination of TAMC attendees (C,S)

PUBLICATIONS

1. Review Annual Report Content and Format
   Ongoing Activities
   A. Develop detailed schedule with milestones (S)

   Activities for 2017-2019
   A. Add data from Investment Reporting Tool (B,D,S,CSS)
   B. Feedback from conference attendees on Annual Report (A,S)
   C. Target solicitation of feedback (C,A,S)
   D. Marketing assessment of annual report (C,A,D,S,M)

2. Website Updated
   Ongoing Activities
   A. Maintain website (A,D,S,CSS)

   Activities for 2017-2019
   A. Website committee absorbed into data committee (A,D,S,CSS)
   B. Define support role (S,CSS)
   C. Training (S,CSS)
D. Knowledge transfer for self-service maintenance (S,CSS)

3. Bridge Newsletter

    Ongoing Activities
    A. Develop schedule with milestones for who is writing (A,S)

    Activities for 2017-2019
    A. Focus on asset management implementation (A,B,D,S,M)
    B. Develop content schedule (A,S,MTU)

4. Other Publications

    Activities for 2017-2019
    A. Investigate other opportunities to highlight TAMC (A,B,D,S,M)

PUBLIC OUTREACH

1. Promote RoadSoft as an Asset Management Platform

    Ongoing Activities
    A. Continue to assist MTU-CTT in deployment of RoadSoft (D,S,CSS,MTU,M)

2. Website Interactive Maps

    Ongoing Activities
    A. Overall coordination updates (S,CSS)
    B. Update cycle related to TAMC activity (B,D,S,CSS,M)
    C. Continual Improvement (A,D,S)

3. Dashboards

    Ongoing Activities
    A. Overall coordination updates (B,D,S,CSS,M)
    B. Continual review of new/revised dashboards (B,D,S,CSS)
    C. Use analytics on current work program (A,B,D,S,CSS,MTU,M)

    Activities for 2017-2019
    A. Timely updates scheduled, define and implement (B,D,S,CSS,M)

4. Mobile Applications

    Ongoing Activities
    A. Maintain mobile applications (CSS)
    B. Update as needed (D,S,CSS)

    Activities for 2017-2019
    A. Evaluate and present app to local agencies (CSS)
    B. Lessons learned (A,D,S,CSS)

5. TAMC Awards

    Ongoing Activities
A. Continue program (C,A,S)

Activities for 2017-2019
A. Evaluate and update selection process (C,A,S)

6. Social Media

Activities for 2017-2019
A. Explore social media platforms (C,A,S)

7. One-page Brochure

Activities for 2017-2019
A. Create brochure to give to legislators with Annual Report (C,A,B,D,S)

AWARENESS OF ASSET MANAGEMENT

1. 21st Century Michigan Infrastructure Commission

Activities for 2017-2019
A. Monitor progress - tasks to be determined (C,S,M)
B. Track activities (C,S,M)
C. Data governance and sharing (C,S,M)
D. Utility coordination (C,S,M)

DATA COLLECTION

1. Collect PASER Data

Ongoing Activities
A. Collect PASER on no less than 1/2 Fed-aid Network (paved) (A,D,S,CSS,MTU,M, RPO/MPO,Act51)
B. Perform Quality Control on PASER ratings (S,MTU,M)
C. Continue use of IRT to upload data sets (S,CSS,MTU,M,RPO/MPO,Act51)

2. Review Collection Methods and Reimbursement Policy for Federal Aid & Non-Federal Aid Networks (Paved & Unpaved)

Ongoing Activities
A. Research cost-effectiveness of data collection effort (C,A,D,S,MTU,M,RPO/MPO,Act51)

Activities for 2017-2019
A. Review methods of collection and reimbursement policies (C,A,D,S,MTU,M, RPO/MPO,Act51)
B. Focus efforts to collect data on top 124 transportation agencies (C,A,D,S,MTU,M, RPO/MPO,Act51)
   i. Federal Aid Paved
   ii. Federal Aid Unpaved
   iii. Non-Federal Aid Paved
   iv. Non-Federal Aid Unpaved
3. Bridges  
*Activities for 2017-2019*  
A. Integrate MIBridge and IRT (B,D,S,CSS,M,Act51)  
B. Anticipate changes regarding new national requirements (B,S,M)

4. Ensure Framework Base Map is Current  
*Activities for 2017-2019*  
A. Update data sets within Michigan Geographic Framework (S,CSS,M,RPO/MPO,Act51)  
B. Develop business needs for Request for Proposals (CSS,MTU,M)  
C. Subject matter expert input and feedback (S,CSS,M,RPO/MPO,Act51)

5. Data Collection Models  
*Ongoing Activities*  
A. Continue promotion of RoadSoft model to Act 51 agencies (S,MTU,M)  
B. Maintain Markov model in working order (MTU,M)  
C. Explore making PCFS/Markov available for download (D,S,M)

6. Federal Performance Measures  
*Activities for 2017-2019*  
A. Monitor national preferences for technological advances (C,B,D,S,MTU,M,RPO/MPO)

7. Asset Management Plans  
*Activities for 2017-2019*  
A. Preparation and training for development of agency asset management plans  
   (C,A,D,S,MTU,M,RPO/MPO,Act51)  
B. Focus efforts to collect asset management plans on top 124 transportation agencies  
   (C,A,D,S,MTU,M,RPO/MPO,Act51)

**TRAINING & EDUCATION**

1. PASER & Investment Reporting Tool Training  
*Ongoing Activities*  
A. Continue training effort (D,S,CSS,MTU,M,RPO/MPO,Act51)  
B. Identify attendees and report results (S,CSS,MTU)  
C. Identify success/failure and report results (D,S,CSS,MTU)

2. Local Officials Training & Workshops  
*Activities for 2017-2019*  
A. Training gap analysis (A,B,S,MTU)  
B. Informational tools (A,B,S,MTU)  
C. Update as necessary (A,B,S,MTU)

3. New Asset Management Training  
*Activities for 2017-2019*  
A. Operational Aspects of Asset Management (A,B,D,S,MTU)  
   i. Best practices
ii. Build TAMC Asset Management Plan
B. Update as necessary (A,B,D,S,MTU)
C. Change management and organizational culture (A,B,D,S,MTU)

4. Inventory-based Rating Training
   Activities for 2017-2019
   A. Develop and deliver training program (3 webinars/year) (A,D,S,MTU)

5. Informational Tools
   Activities for 2017-2019
   A. Develop Asset Management "One-pager" (A,B,D,S)
   B. Pilot two 90 second videos (TC,A,S)

6. Continued Education with Legislature
   Activities for 2017-2019
   A. Customized pamphlet/brochure by legislative district (C,A,S)
   B. Set up event w/ legislators (ie. Breakfast event) (C,A,S)

7. Bi-Annual Conference
   Ongoing Activities
   A. Continue coordinating conference (C,A,S,MTU)
   B. Identify attendees and report results (C,A,S,MTU)
   C. Identify success/failure and report results (C,A,S,MTU)

   Activities for 2017-2019
   A. Investigate delivery of conference (C,A,S,MTU)
   B. Consider training, timing, cost structure, location & format (C,A,S,MTU)

DATA ANALYSIS & RESEARCH OPPORTUNITIES

1. Investment Reporting Tool Data
   Activities for 2017-2019
   A. Integration between PASER & IRT (S,CSS,MTU,M)
   B. Data Quality (D,S,CSS,RPO/MPO)
   C. Analyze Best and Worst practices (C,A,D,S)

2. Data Storage and Design Reports – Recommendations for Optimal Use
   Activities for 2017-2019
   A. Assessment (D,S,CSS)
   B. Update requirements working with stakeholders (D,S,CSS)
   C. Report (D,S,CSS)
      i. Identify current state
      ii. Projection
      iii. Recommendations for changes
3. Forecasting

Activities for 2017-2019
A. Review new IRT Data for forecasting tools (D,S,CSS,MTU,M)

PROJECT & INVESTMENT REPORTING

1. Update Investment Reporting Tool Technology

Activities for 2017-2019
A. Present potential recommendations, options, requirements and risks (D,S,CSS)

2. Fields Inquiring About Asset Management Process

Activities for 2017-2019
A. Develop mechanism for receiving local agency asset management plans in Investment Reporting Tool (C,A,D,S,CSS)
B. Compare & analyze Asset Management plans and data from investment reporting against PASER and Bridge data (C,A,B,D,S,CSS)
C. Analyze plan elements and components - present agencies that are high performers (A,D,S, CSS)
D. Communication Plan (A,S,CSS)

3. Continue Compliance Monitoring

Ongoing Activities
A. Analysis & reporting (D,S,CSS,M)
B. Continue monitoring on how compliance is being done (D,S,M)

4. Quality Control

Activities for 2017-2019
A. Assess & report on quality of information (C,A,D,S,CSS,MTU)
B. Update 2009 Cost Investment Report (D,S,CSS,MTU,M, Act51)

PERFORMANCE MEASURES

1. Develop Measures for TAMC

Activities for 2017-2019
A. Implementation of Work Program (C,A,B,D,S,CSS,MTU)
B. IRT-ADARS Compliance (S,M)
C. Miles Collected (S)
D. Number of Asset Management Plans received (S)
E. Council budget spent/budget reporting (C,A,S)
F. Develop more as needed (C,A,B,D,S)

2. Develop Measures for TAMC

Activities for 2017-2019
A. Determine where there are duplications of efforts (C,A,B,D,S)
I. Data Collection (Federal-Aid System) & Regional-Metro Planning Asset Management Program

<table>
<thead>
<tr>
<th>Area/Program</th>
<th>Amount</th>
<th>% of Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battle Creek Area Transportation Study</td>
<td>$20,000.00</td>
<td>2.08%</td>
</tr>
<tr>
<td>Bay County Area Transportation Study</td>
<td>$20,000.00</td>
<td>2.08%</td>
</tr>
<tr>
<td>Central Upper Peninsula Planning and Development</td>
<td>$40,471.00</td>
<td>4.22%</td>
</tr>
<tr>
<td>Eastern Michigan Council of Governments</td>
<td>$95,995.00</td>
<td>10.00%</td>
</tr>
<tr>
<td>Eastern Upper Peninsula Regional Planning &amp; Development Commission</td>
<td>$20,000.00</td>
<td>2.08%</td>
</tr>
<tr>
<td>Genesee Lapeer Shiawasse Region V Planning Commission</td>
<td>$39,423.00</td>
<td>4.11%</td>
</tr>
<tr>
<td>Grand Valley Metropolitan Council</td>
<td>$20,000.00</td>
<td>2.08%</td>
</tr>
<tr>
<td>Kalamazoo Area Transportation Study</td>
<td>$20,000.00</td>
<td>2.08%</td>
</tr>
<tr>
<td>Macatawa Area Coordinating Council</td>
<td>$20,000.00</td>
<td>2.08%</td>
</tr>
<tr>
<td>Midland Area Transportation Study</td>
<td>$20,000.00</td>
<td>2.08%</td>
</tr>
<tr>
<td>Northeast Michigan Council of Governments</td>
<td>$37,916.00</td>
<td>3.95%</td>
</tr>
<tr>
<td>Northwest Michigan Council of Governments (Networks Northwest)</td>
<td>$61,316.00</td>
<td>6.39%</td>
</tr>
<tr>
<td>Region 2 Planning Commission</td>
<td>$37,940.00</td>
<td>3.95%</td>
</tr>
<tr>
<td>Saginaw County Metropolitan Planning Commission</td>
<td>$20,000.00</td>
<td>2.08%</td>
</tr>
<tr>
<td>Southcentral Michigan Planning Commission</td>
<td>$53,162.00</td>
<td>5.54%</td>
</tr>
<tr>
<td>Southeast Michigan Council of Governments</td>
<td>$135,680.00</td>
<td>14.14%</td>
</tr>
<tr>
<td>Southwest Michigan Planning Commission</td>
<td>$37,030.00</td>
<td>3.86%</td>
</tr>
<tr>
<td>Tri-County Regional Planning Commission</td>
<td>$33,786.00</td>
<td>3.52%</td>
</tr>
<tr>
<td>West Michigan Regional Planning Commission</td>
<td>$82,467.00</td>
<td>8.59%</td>
</tr>
<tr>
<td>West Michigan Shoreline Regional Development Commission</td>
<td>$46,781.56</td>
<td>4.88%</td>
</tr>
<tr>
<td>Western Upper Peninsula Regional Planning &amp; Development Commission</td>
<td>$34,867.00</td>
<td>3.63%</td>
</tr>
<tr>
<td>MDOT Region Participation &amp; PASER Quality Control</td>
<td>$62,750.00</td>
<td>6.54%</td>
</tr>
</tbody>
</table>

Data Collection & Reg.-Met. Asset Management Program Total $959,584.56 59.41%

II. PASER Data Collection (Paved, Non-Federal-Aid System)

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
<th>% of Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>$37,000.00</td>
<td>2.29%</td>
</tr>
</tbody>
</table>

III. TAMC Central Data Agency (MCSS)

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
<th>% of Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Mgmt</td>
<td>$37,800.00</td>
<td>11.72%</td>
</tr>
<tr>
<td>Data Support</td>
<td>$60,200.00</td>
<td>18.66%</td>
</tr>
<tr>
<td>Application Development / Maintenance / Testing</td>
<td>$83,280.00</td>
<td>25.81%</td>
</tr>
<tr>
<td>Help Desk / Misc Support</td>
<td>$66,600.00</td>
<td>20.64%</td>
</tr>
<tr>
<td>Training</td>
<td>$27,600.00</td>
<td>8.55%</td>
</tr>
<tr>
<td>Data Access / Reporting</td>
<td>$47,155.00</td>
<td>14.62%</td>
</tr>
</tbody>
</table>

Investment Reporting Tool Re-write - $131,000 to be covered by MDOT Grant $0.00 0.00%

TAMC Central Data Agency (MCSS) Total $322,635.00 19.97%

IV. TAMC Training & Education (MTU) Calendar Year Z4

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
<th>% of Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>$210,000.00</td>
<td>13.00%</td>
</tr>
</tbody>
</table>

V. TAMC Activities (MTU) Z5

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
<th>% of Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>$70,000.00</td>
<td>4.33%</td>
</tr>
</tbody>
</table>

VI. TAMC Expenses

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
<th>% of Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>$16,066.00</td>
<td>0.99%</td>
</tr>
</tbody>
</table>

TAMC Expenses Total $16,066.00 0.99%

Total Program $1,615,285.56

Appropriation $1,626,400.00
Transportation Asset Management Council (TAMC)

Strategic Planning Session
June 27, 2016 & July 19, 2016
Table of Contents

Acronyms .......................................................................................................................... Page 1
Executive Summary ........................................................................................................... Page 2
Transportation Asset Management Council (TAMC) Members ........................................ Page 3
TAMC Vision Statement ..................................................................................................... Page 4
TAMC Mission Statement ................................................................................................. Page 4
TAMC Responsibilities ...................................................................................................... Page 4
What we can agree on regarding TAMC? ................................................................. Page 5
Action Items ....................................................................................................................... Page 5
SWOT Analysis .................................................................................................................. Page 6
Accomplishments .............................................................................................................. Page 8
Current TAMC Objectives ............................................................................................... Page 8
Future TAMC Objectives ................................................................................................. Page 8
2017-2019 Work Program ............................................................................................... Page 9

Acronyms

- **ACE Committee** – Administration, Communication, and Education Committee
- **AM** – Asset Management
- **IRT** – Investment Reporting Tool
- **LTAP** – Local Technical Assistance Program
- **MDOT** – Michigan Department of Transportation
- **MIRE** – Model Inventory and Roadway Elements
- **MPO** – Metropolitan Planning Organizations
- **MTF** – Michigan Transportation Fund
- **PASER** – Pavement Surface Evaluation and Rating
- **Public Act 51** – County Road Agencies, City, Village, & MDOT
- **ROW** – Right of Way
- **RPO** – Regional Planning Organization
- **STC** – State Transportation Commission
- **SWOT Analysis** – Strengths, Weaknesses, Opportunities, & Threats Analysis
- **TAMC** – Transportation Asset Management Council

MiBridge – A web based structure management application allowing Bridge Owners, Engineers, Inspectors, Consultants, and Managers to view and enter information for bridge and culvert assets across the State of Michigan.
Executive Summary
The Transportation Asset Management Council (TAMC) is comprised of professional representatives from county road commissions, cities, counties, townships, regional and metropolitan planning organizations, and the state transportation department. TAMC is expanding the practice of asset management statewide to enhance the productivity of investing in Michigan’s roads and bridges through coordination and collaboration among state and local transportation agencies.

On June 27th, 2016 a full day Strategic Planning session was held with TAMC members and Performance Excellence facilitators from the Michigan Department of Transportation. A half-day session was scheduled on July 19, 2016 to complete the unfinished tasks from the previous event. Strategic Planning is a disciplined effort to produce fundamental decisions and actions that shape and guide what an organization is, what it does, and why it does it, with a focus on the future (Bryson, 1995). The goal of this Strategic Planning session was to help the council develop their strategic direction and incorporate their unified vision into the upcoming TAMC work program.

A crucial component of this Strategic Planning session was interpretation of the enabling legislation. TAMC members were required to review and submit their interpretation of the legislation prior to the session, then as a group, they attempted to come to consensus on interpretation to move forward with Strategic Planning. Robust discussion was had regarding enabling legislation, and some consensus was reached on TAMC’s purpose.

TAMC members examined their current reality with emphasis on their most noted accomplishments. From there, they analyzed their current strengths and weaknesses as well as future opportunities and threats to success. Next TAMC members reviewed their current objectives before determining their future. After review, the group decided to keep most of the current objectives and add two additional objectives. Lastly, the group developed long term strategic goals and short term tactical plans in an effort to revise their work program for 2017-2019.

Next Steps
- Develop detailed milestone chart for implementation of the 2017-2019 work program

Facilitator Recommendations
- Address and resolve any issues that will prevent TAMC from moving in the desired direction
- Determine paradigm shifts that might need to take place in order for the future to be successful, and how to facilitate the shifting of those paradigms
## TAMC Members

<table>
<thead>
<tr>
<th>Name</th>
<th>Agency</th>
<th>Email</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Chair</strong> – Joanna I. Johnson</td>
<td>Road Commission of Kalamazoo County</td>
<td>jjohnson@kalamazoo countyroads.com</td>
<td>269.381.3170 Ext. 220</td>
</tr>
<tr>
<td><strong>Vice Chair</strong> – William McEntee</td>
<td>County Road Association of Michigan</td>
<td><a href="mailto:bmcentee@rcoc.org">bmcentee@rcoc.org</a></td>
<td>248.672.5459</td>
</tr>
<tr>
<td>Dale Kerbyson</td>
<td>Michigan Municipal League</td>
<td><a href="mailto:dkerbyson@ci.lapeer.mi.us">dkerbyson@ci.lapeer.mi.us</a></td>
<td>810.664.5231</td>
</tr>
<tr>
<td>Bob Slattery</td>
<td>Michigan Municipal League</td>
<td><a href="mailto:r.slattery@burtonmi.gov">r.slattery@burtonmi.gov</a></td>
<td>810.742.9230</td>
</tr>
<tr>
<td>Donald Disselkoon</td>
<td>Michigan Association of Counties</td>
<td><a href="mailto:ddisselkoon@miottawa.org">ddisselkoon@miottawa.org</a></td>
<td>616.395.9820</td>
</tr>
<tr>
<td>Derek Bradshaw</td>
<td>Michigan Association of Regions</td>
<td><a href="mailto:dbradshaw@co.genesee.mi.us">dbradshaw@co.genesee.mi.us</a></td>
<td>810.766.6546</td>
</tr>
<tr>
<td>Dave Wresinski</td>
<td>Michigan Department of Transportation</td>
<td><a href="mailto:wresinski@michigan.gov">wresinski@michigan.gov</a></td>
<td>517.373.0343</td>
</tr>
<tr>
<td>Jennifer Tubbs</td>
<td>Michigan Townships Association</td>
<td><a href="mailto:jtubs@watertowntownship.com">jtubs@watertowntownship.com</a></td>
<td>517.626.6593</td>
</tr>
<tr>
<td>Jonathan R. Start</td>
<td>Kalamazoo Area Transportation Study</td>
<td><a href="mailto:jrstart@katsmpo.org">jrstart@katsmpo.org</a></td>
<td>269.343.0766 Ext. 12</td>
</tr>
<tr>
<td>Bradley C. Wieferich</td>
<td>Michigan Department of Transportation</td>
<td><a href="mailto:wieferichb@michigan.gov">wieferichb@michigan.gov</a></td>
<td>517.241.3998</td>
</tr>
<tr>
<td>Rob Surber</td>
<td>Michigan Department of Technology, Management and Budget</td>
<td><a href="mailto:surberr@michigan.gov">surberr@michigan.gov</a></td>
<td>517.373.7910</td>
</tr>
<tr>
<td>Roger Belknap (TAMC Coordinator)</td>
<td>Michigan Department of Transportation</td>
<td><a href="mailto:belknapr@michigan.gov">belknapr@michigan.gov</a></td>
<td>517.373.2249</td>
</tr>
</tbody>
</table>

### June 27, 2016

**TAMC Member(s) absent from session:** Dale Kerbyson

**Non-members in attendance:** Bill Tansil, Ron Vibbert, Rebecca Curtis, Gloria Strong

**Facilitators:** Jacquelyn Fisher and Cassie Maybee

### July 19, 2016

**TAMC Member(s) absent from session:** Rob Surber and Jennifer Tubbs

**Non-members in attendance:** Bill Tansil, Gloria Strong

**Facilitators:** Jacquelyn Fisher and Cassie Maybee
A national leader, promoting asset management principles and practices, to guide investment decisions among Michigan’s Transportation Agencies.

To develop and support excellence in managing Michigan’s transportation assets by:

1. Advising the Legislature and the State Transportation Commission
2. Promoting Asset Management principles
3. Providing tools and practices for road agencies

- Advise commission on statewide Asset Management Strategy along with processes and tools needed to implement (training)
  1. Federal Aid
  2. All others
- Submit TAMC annual report to State Transportation Commission and Legislature.Must include:
  1. Mileage and condition of road and bridge system
  2. Budgetary expenditures made by TAMC for previous year
  3. Overview of TAMC activities for the upcoming year
- Receive multi-year program from transportation agencies using an asset management process

Are TAMC’s responsibilities regarding Federal Aid complete?

- The TAMC agrees that the utilization of the necessary DATA collection tools has been completed.
- Completion of a strategy/implementation is questionable.
- Reporting is in progress (section 7)
  - Tool to collect is IRT
  - DATA is in progress
  - Add additional fields to include questions regarding asset management process
What we can agree on regarding TAMC?
Consensus was reached by the team on the following items.

- TAMC is an advisory council
- TAMC is charged with developing tools for asset management
- TAMC is responsible for developing and providing education and training in regards to asset management
- TAMC should have one unified voice
- TAMC currently has no published strategy
- Additional revenue for TAMC activities needed to meet mission

Action Items

- Questions for IRT regarding Asset Management Process – DATA Committee
- Analyze cyclical IRT DATA – DATA Committee
- Look at how RPO & MPO policies support Asset Management – ACE Committee
- Work program and a budget that supports the Strategic Plan – Each Committee
- Identify additional training opportunities – ACE & Bridge Committee
- Communication Plan – monthly following the meeting – ACE Committee
- MIRE – Are we in or out? Is it a plan? – DATA Committee
SWOT Analysis
A framework for identifying and analyzing the internal and external factors that can have an impact on an agency or organization

Strengths
- Multi-agency representation
- Relationships
- Broad range of experience
- Well respected (trusted source)
- Non political
- Quality and consistency of data
- Legislative support for Asset Management
- Technical Assistance

Weaknesses
- TAMC member participation
- Limited resources – staff, budget, etc.
- Success relies on the effectiveness of outside programs
- A lot of what we do/have done is not based upon our local (Michigan) data, but national trends/data sets
- Can’t control funding
- Can’t control how road agencies implement asset management
- Communication
- Raising the bar for Asset management in Michigan (annual report)
- Lack of established relationships

Opportunities
- AM Plan education – strategic
- To affect how agencies prioritize and develop programs that maximize investments
- Continuously learn how to best use data/analytics for continuous improvement for AM
- Manage-leadership in ROW/utility coordination
- Best management practices based on IRT data
- Educate leadership (local/legislature)
- Social Media
Threats

- Funding – TAMC budget out of MTF
- Relevance
- Funding matters – no matter how well we do our job, if adequate road maintenance is not funded, we can’t succeed
- Lack of education of the legislature
- Term limits
- MDOT
- Locals
- Performance – Federal requirements (MIRE) General fund in the future
- PASER/New fed data requirements (IRT)
- Lack of connection with taxpayers
- Implementation of new bridge inspection law
Accomplishments
It is easy to become consumed with what is not working in a project. Taking a moment to address the positives, is necessary to keep any project in perspective.

1. One Voice
2. Developed Act 51 compliance for investment reporting
3. Asset Management Conference
4. Asset Management Guide
5. 10 year data collection for Federal Aid
6. Data collection since 2008 for non-Federal Aid side
7. Pilot for unpaved roads completed
8. Completed and published TAMC Annual Report
9. Continued Asset Management Award Program
10. Redesign of TAMC website
11. Mobile app

Current TAMC Objectives.
- Training and Education
- Data Collection
- Project and investment reporting
- Publications
- Recognition
- Public outreach
- Awareness of Asset Management in Michigan
- Performance Measures Research Opportunities

Future TAMC Objectives
- Training and Education
- Data Collection
- Project and investment reporting
- Publications
- Recognition
- Public outreach
- Awareness of Asset Management in Michigan
- Performance Measures
- Improved communication
- Data Analysis/Research Opportunities
Improved communication

1. Monthly Summary of TAMC activities/initiatives
   a. Activities for 2017-2019
      i. Develop/create summary template (TC,S)
      ii. Seek feedback on larger issues (TC, S,C)

2. Outreach with stakeholder
   a. Ongoing
      i. Monthly conference call with Regional Coordinators from Regional Planning Agencies (S, MTU, RPO, MPO,CSS)
   b. Activities for 2017-2019
      i. Query on how information is being disseminated to represented agencies (A, C, S)

3. Support TAMC partner agencies at conferences
   a. Activities for 2017-2019
      i. Schedule of conferences and topics (A,C,S)
      ii. Reach out for presentations & displays (C,S)
      iii. Coordination of TAMC attendees (C,S)

Publications

1. Review annual report’s content and format
   a. Ongoing
      i. Develop detailed schedule with milestones (S)
   b. Activities for 2017-2019
      i. Add IRT DATA and budget information (B,D,S,CSS)
      ii. Feedback from conference attendee on annual report (A,S)
      iii. Target solicitation of feedback (A,S,C)
      iv. Marketing assessment of annual report (M,A,D,S,C)

2. Website updated
   a. Ongoing
      i. Maintaining website (A,D,CSS,S)
   b. Activities for 2017-2019
      i. Website committee will be absorbed into another committee (D,A,S,CSS)
      ii. Define support role (CSS,S)
      iii. Training (CSS,S)
      iv. Knowledge transfer for self-service maintenance (CSS,S)
3. **Bridge Newsletter**
   a. **Ongoing**
      i. Develop detailed schedule with milestones for who is writing \( A,S \)
   b. **Activities for 2017-2019**
      i. Focus on asset management implementation \( M,D,B,A,S \)
      ii. Develop content schedule \( MTU,A,S \)

**Public Outreach**

1. **Press Releases**
   a. **Ongoing**
      i. Continue press releases \( TC,S,A \)

2. **Dashboards**
   a. **Ongoing**
      i. Overall coordination updates \( M,B,D,S,CSS \)
      ii. Continual review of new/revised dashboard \( B,S,D,CSS \)
      iii. Use analytics on current work program \( M,MTU,C,CSS,B,S,A,D \)
   b. **Activities for 2017-2019**
      i. Timely updates scheduled define and implement \( CSS,S,M,B,D \)

3. **TAMC Award**
   a. **Ongoing**
      i. Continue the program \( S,C,A \)
   b. **Activities for 2017-2019**
      i. Evaluate and update selection process \( S,C,A \)

4. **Website interactive maps**
   a. **Ongoing**
      i. Overall coordination updates \( CSS,S \)
      ii. Update cycle related to council activity \( M,S,CSS,D,B \)
      iii. Continual improvement \( A,D,S \)

5. **Mobile App**
   a. **Ongoing**
      i. Maintain mobile app \( CSS \)
      ii. Update as needed \( D,S,CSS \)
   b. **Activities for 2017-2019**
      i. Evaluate and present app to local agencies \( CSS,S,C \)
      ii. Lessons learned \( CSS,A,D,S \)

6. **Social Media**
   a. **Activities for 2017-2019**
      i. Explore and implement social media platforms \( C,S,A \)

**Data Collection**

1. **PASER (Added per RB)**
   a. **Ongoing**
      i. Continue use of PASER/Roadsoft LDC on no less than half of paved federal aid network

2. **Review methods of collection, policy, and reimbursement for Federal and Non-Federal, paved and unpaved roads.**
   a. **Ongoing**
      i. Research cost-effectiveness of data collection effort \( C,A,D,M,S,MPO,RPO \)
   b. **Activities for 2017-2019**
      i. Review methods of collection, policies, and reimbursement \( MTU,M,Act51,A,D,C,S,MPO,RPO \)
      1. Federal
      2. Non-Federal
      3. Unpaved road
      4. Paved road
ii. Update current status of National performance measures  \((MTU,D,C,S,B,M)\)

3. **Bridges**
   a. **Activities for 2017-2019**
      i. Integrate MIBridge and IRT \((M,D,S,CSS,B)\)
      ii. Anticipated changes regarding new national requirements \((S,M,B)\)

4. **Asset Management Plans**
   a. **Ongoing**
      i. TBD \((A,D,S,C,CSS)\)

5. **Ensure Framework base map is current**
   a. **Activities for 2017-2019**
      i. Ensure framework base map is current \((S,Act51,RPO,MPO,M,CSS)\)
      ii. Develop business needs for RFP \((MTU,M,CSS)\)
      iii. Subject matter expert feedback \((CSS,S,Act51,RPO,MPO,M)\)

6. **DATA collection models**
   a. **Ongoing**
      i. Continue to promote the use of the RoadSoft model to locals \((MTU,S,M)\)
      ii. Maintain Markov model in working order \((M,MTU)\)
      iii. Explore possibility of a Pavement Condition Forecast System (PCFS)/Markov model being available for download via website \((M,S,D)\)

7. **Federal Performance Measures**
   a. **Activities for 2017-2019**
      i. Monitor national preferences measures for technological advances \((C,D,MTU,S,B,M)\)

**Training and Education**

1. **PASER Training**
   a. **Ongoing**
      i. Continue training effort \((S,D,MTU)\)
      ii. Identify attendees and report results \((S,MTU)\)
      iii. Identify success/failure and report results \((D,S,MTU)\)

2. **Bi-Annual Conference**
   a. **Ongoing**
      i. Continue coordinating conference \((C,A,S,MTU)\)
      ii. Identify attendees and report results \((C,A,MTU)\)
      iii. Identify success/failure and report results \((C,A,MTU)\)
   b. **Activities for 2017-2019**
      i. Investigate delivery of conference \((C,A,MTU)\)
      ii. Consider training, timing, cost structure, location, format \((C,A,MTU)\)

3. **Continued education with Legislature**
   a. **Activities for 2017-2019**
      i. Customized pamphlet/brochure \((C,A,S)\)
      ii. Annual Meeting with Legislature \((S,C)\)
      iii. Presentation to House and Senate Transportation Committee \((TC,S)\)

4. **New Asset Management Training**
   a. **Activities for 2017-2019**
      i. Operational aspects of Asset Management \((A,B,D,S,MTU)\)
         1. Best Practices
         2. Build TAMC Asset Management Plan
      ii. Two tier Bridge training \((S,B,MTU)\)
      iii. Update as necessary \((B,MTU,S,D,A)\)
      iv. Change management \((B,MTU,S,D,A)\)
5. **Local Officials training/workshops**
   a. **Activities for 2017-2019**
      i. Training gap analysis *(B,MTU,S,A)*
      ii. Informational tools *(B,MTU,S,A)*
      iii. Update as necessary *(B,MTU,S,A)*

6. **Coordination with Utilities training**
   a. **Activities for 2017-2019**
      i. TBD awaiting outcome of 21st Century Commission *(C,S,M)*

7. **Informational tools**
   a. **Activities for 2017-2019**
      i. Develop Asset Management “one pager” *(B,S,A,D)*
      ii. Pilot two 90 second videos *(TC,S,A)*

**Data Analysis/Research Opportunities**

1. **IRT DATA**
   a. **Activities for 2017-2019**
      i. Integration between PASER & IRT *(M,CSS,S)*
      ii. DATA quality *(MPO,RPO,CSS,S,D)*
      iii. Analyze Best and Worst Practices *(C,S,D,A)*

2. **Data Storage and design reports and recommendations for optimal use**
   a. **Activities for 2017-2019**
      i. Assessment *(CSS,S,D)*
      ii. Update requirements working with stakeholders *(CSS,S,D)*
      iii. Report *(CSS,S,D)*
         1. Identify current state
         2. Projection
         3. Recommendations for changes

3. **Forecasting**
   a. **Activities for 2017-2019**
      i. Review new IRT Data for forecasting tools *(MTU,CSS,M,S,D)*

**Awareness of Asset Management in Michigan**

1. **21st Century Michigan Infrastructure Commission**
   a. **Activities for 2017-2019**
      i. TBD
         1. Track activities *(C,S,M)*
         2. Data governance/sharing *(C,S,M)*
         3. Utility coordination *(C,S,M)*

**Project and Investment Reporting**

1. **IRT-additional fields asking questions about asset management process**
   a. **Activities for 2017-2019**
      i. Develop request for information *(A,D,S,C,CSS)*
      ii. Develop implementation plan *(S,CSS,D,A)*
      iii. Communication Plan *(CSS,S,A)*

**Suggested rewording for tasks above per RB:**
   i. Develop mechanism for receiving local agency asset management plan in IRT
   ii. Compare and analyze asset management and IRT data elements against PASER and Bridge data
   iii. Analyze plan elements (components present for agencies that are high performers)
2. Continue compliance monitoring
   a. Ongoing
      i. Analysis and Reporting \((M,D,S,CSS)\)
      ii. Continual monitoring on how compliance is being done \((D,S,M)\)

3. Update IRT technology
   a. Activities for 2017-2019
      i. Present potential recommendations, options, requirements, risks \((S,CSS,D)\)

4. Quality Control
   a. Activities for 2017-2019
      i. Assess and report out quality information \((D,A,S,CSS,C,MTU)\)
      ii. Update 2009 Cost Investment Report \((Act51,M,S,MTU,CSS,D)\)

Performance Measures

1. Develop Measures for TAMC
   a. Activities for 2017-2019
      i. Implementation of work plan \((CSS,MTU,D,B,S,A)\)
      ii. IRT/ADARS compliance \((S,M)\)
      iii. Miles collected \((S)\)
      iv. Number of plans received \((S)\)
      v. Council budget spent/budget reporting \((C,A,S)\)
      vi. Develop more as needed \((B,C,D,S,A)\)

2. Eliminate duplication of efforts
   a. Activities for 2017-2019
      i. Determine where there is duplication of effort \((C,D,B,A,S)\)

Unresolved issues needing final determination:

- MIRE
- Completeness of Federal Aid and readiness to move on to Non-Federal Aid