



Data Committee Meeting Agenda

Wednesday, May 18, 2022 @ 1:30 PM

Please take notice that a meeting of the Data Committee of the Transportation Asset Management Council (TAMC) will take place by electronic means of Web Meeting and Telephone Conferencing for the above date and time as provided under [Act 267 of the Public Acts of 1976](#) as amended, or commonly referred to as the Open Meetings Act. Members of the public body may participate by electronic means by joining Web Meeting and Telephone Conference links provided below. Persons needing accommodations for participating in this meeting should contact the TAMC, at least 24 hours prior to the start of this meeting: MDOT_TAMC@michigan.gov. Public Comment for non-agenda items is available at the beginning and ending of the meeting, typically limited to 3 minutes. Public comment on agenda items is also available with each item when called upon by the Data Committee Chair.

Meeting Telephone Conference Line: +1 248-509-0316 Access Code: 890 857 32 #

Web Meeting Access Link: [Click here to join the meeting](#)

1. Welcome - Call to Order – Introductions
2. Public Comments
3. Consent Agenda (*Action*)
 - 3.1 Approval of April 20, 2022 Data Committee Meeting Minutes (*Attachment 1*)
 - 3.2 Center for Technology & Training TAMC Activity Reports
 - 3.2.1 April 2022 (*Attachment 2*)
4. Review & Discussion Items:
 - 4.1. Data Committee Discussion on Annual Report – *McEntee/Jennett/Green*
 - 4.1.1. Additional feedback
 - 4.1.2. Data sharing
 - 4.2. Program Timeline Update– *McEntee / Jennett*
 - 4.3. PASER and IRT Data Analysis – *McEntee/Green/Costa*
 - 4.3.1. Statewide investment strategy update
 - 4.3.2. Mix of fixes analysis 2011-2021
 - 4.3.3. Additional analysis
 - 4.3.4. PASER (2018) Presentation Review (*Attachment 3*)
 - 4.4. TAMP Dashboard
 - 4.5. Website/Dashboard/Investment Reporting Tool – *Granger/McEntee*
 - 4.5.1. Dashboards / Interactive Map Update
 - 4.5.2. Act 51 Distribution & Reporting System (ADARS) Upgrade
 - 4.5.3. Center For Shared Solutions Priorities
 - 4.5.4. IRT New Application Updates & Reminders
 - 4.5.5. TAMC Website
5. Public Comments
6. Member Comments
7. Adjournment



Michigan
Transportation Asset
Management Council

The next TAMC Data Committee Meeting is June 15, 2022

Data Committee Members: Committee Chair: Bill McEntee, CRA – Vice Chair: Jennifer Tubbs, MTA
Ryan Buck, MTPA – Bob Slattery, MML – Rob Surber, MCSS

**TRANSPORTATION ASSET MANAGEMENT COUNCIL
DATA COMMITTEE MEETING
April 20, 2022 at 1:30 p.m.
MINUTES**

The meeting was held via Microsoft Teams. Below are meeting minutes as provided under Act 267 of the Public Acts of 1976 as amended, or commonly referred to as the Open Meetings Act. Accommodations can be made for persons who require mobility, visual, hearing, written, or other assistance for participation. Large print materials, auxiliary aids or the services of interpreters, signers, or readers are available upon request. Please contact Orlando Curry at 517-335-4381 or complete Form 2658 for American Sign Language (ASL). Requests should be made at least five days prior to the meeting date. Reasonable efforts will be made to provide the requested accommodation or an effective alternative, but accommodations may not be guaranteed.

****Frequently Used Acronyms Attached**

Members Present:

Bill McEntee, CRA – Chair, Royal Oak, MI
Bob Slattery, MML, Upper Peninsula, MI
Jennifer Tubbs, MTA – Vice Chair, Waterford, MI

Ryan Buck, MTPA, Ann Arbor, MI
Rob Surber, DTMB/CSS, Marshall, MI

Support Staff Present:

Tim Colling, MTU/LTAP
Cheryl Granger, DTMB/CSS
Dave Jennett, MDOT

Eric Costa, MDOT
Robert Green, MDOT
Gloria Strong, MDOT

Members Absent:

None

Public Present:

None

1. Welcome – Call-to-Order – Introductions:

The meeting was called-to-order at 1:34 p.m. Everyone was introduced and welcomed to the meeting. G. Strong conducted a roll-call to verify attendance.

2. Public Comments on Non-Agenda Items:

None

3. Consent Agenda (Action Items):

3.1. – Approval of the March 16, 2022 Data Committee Meeting Minutes (Attachment 1)

3.2. – TAMC Budget Update (Attachment 2) – R. Green

R. Green provided an updated TAMC budget report for the Committees review.

3.3. – MTU TAMC Activity Reports – T. Colling

3.3.1. – March 2022 (Attachment 3)

T. Colling provided a status update from MTU.

Motion: J. Tubbs made a motion to approve the Consent Agenda; R. Slattery seconded the motion. The motion was approved by all members present.

4. Review and Discussion Items:

4.1. – Data Committee Discussion on Annual Report – R. Green/D. Jennett

R. Green reported that the annual report is coming along well and pretty much complete at this time. All comments and suggestions have been considered and/or added to the report. The letter to distribute the annual report is done and the report will be sent out on April 29, 2022, to meet the May 2, 2022, deadline to the State Transportation Commission.

R. Buck stated that he appreciates everything the TAMC support staff has done, especially while being short-handed. R. buck also reported that at the Michigan Transportation Planning Association (MTPA) meeting they discussed MDOT’s continuing to participate in the PASER data collection. The consensus of MTPA is the agencies would like MDOT in the vehicle doing PASER data collection. MDOT is still evaluating what they plan to do for next data collection season.

4.2. – Introduction to Program Timeline – B. McEntee/D. Jennett

There has been a lot of discussion as to when TAMC standing tasks, such as the annual report and conferences, tasks related to TAMC tasks need to start and when do things need to be completed. TAMC would like to have a timeline for each of their important tasks that must be completed. D. Jennett shared a roughly drafted timeline spreadsheet that was created some time ago by TAMC support staff. This is only a rough draft that has not been shared with MTU, Data Committee, MDOT staff, and anyone that coordinates with TAMC. TAMC support staff will work further on this after tasks such as the annual report gets completed. This document will be placed in a centralized location for everyone to utilize when it is finalized. It was suggested to just do milestone dates instead of such a detailed report where people can do a quick glance for dates.

4.3. – Data Collection State of Practice Report Discussion – T. Colling

T. Colling went through his “State of Practice Scan for Pavement Data Collection Report” overview, April 20, 2022. MTU is looking to find and evaluate condition data collection methods. They are looking at simple rating and complex rating systems. They started by looking at different collection modes, such as human visual inspection, specialized sensors package-equipped vehicle, smartphone applications, etc. T. Colling reviewed some of the different technologies used by some of the vendors, costs associated with the collections using specific collection types and trainings.

Some of the issues they discovered are **Proprietary Rating Scales** were hard/not possible to do QA, **Data Storage** issues due to specialized sensor packages generate between 1 to 19 GB/mile, **Data Accessibility** that have long lead times for repair/replacement of equipment and less flexibility and, **Centralized vs. Distributed Collection** due to road owners detached from the collection process.

He also hit on Minnesota’s Asset Management Domestic State of Practice Study which is widely recognized for their demonstration of the importance of asset management. T. Colling noted that their report stated many things that TAMC is also doing or has done. Minnesota tends to be very progressive and MDOT uses them as a benchmark.

Should TAMC be looking at doing some of these different data collections methods or keep doing what we have been doing? One issue is the increase in cost when doing some of these different methods. If people are not going to use the data, then there is no reason to spend the additional monies on alternative collection methods.

4.4. – Culvert Data Submittal – R. Green/E. Costa

During the annual report review they had a discussion on the increased revenues and the decreased deterioration rates.

Based upon E. Costa’s analysis, the conclusion thus far is the heavy urban and suburban counties with intricate road networks have the greatest number of lane miles improved without a corresponding pavement

project. They are mostly county primary owned roads and have variable dispersion patterns throughout the county (not concentrated on county borders). A good majority are major collector roads which in turn comprise most of the PFA network. This is abundantly true in urban areas. Minor arterial systems should also be noted as having a higher than ideal count. Trunkline primary and minor arterial systems should also be flagged for elevated (more than ideal) LM count.

This analysis is still ongoing. This data is changing daily until at least August when the majority of the data will be submitted.

Next Steps:

Examine specific routes across counties and networks to see if anything can be uncovered

- About 10 percent of this network intersects with the QR ratings. Want to compare the QR rating where available.
- Examine responsible agency at the CVT level

R. Buck suggested that E. Costa reach out to a few of the counties, such as Ingham County, to see why there has been changes in these segments.

4.5. – Conversations on a Statewide Investment Strategy – E. Costa/B. McEntee

This goes with agenda item 4.4. from E. Costa with digging deeper into the data uploaded. After E. Costa completes what he is currently working on for data analysis, he will work on the Statewide Investment Strategy.

4.5.1. – Discussion of Analysis 2012-2021 – mix-of-fixes

B. McEntee would like to know what the optimum mix-of-fixes would be to get us to good, fair, poor. E. Costa will do further analysis once he has completed what he is currently working on.

4.5.2. – Further Analysis of Condition Data and IRT Data. Who will perform MDOT or MTU?

E. Costa will do the further analysis once he is done with what he is currently working on.

4.6. - Website/Dashboard/Investment Reporting Tool (IRT) Updates – C. Granger

4.6.1. – Dashboards – May 2, 2022 Release Update

CSS has completed the updates for roads and bridges. This will move into production on April 29, 2022.

4.6.2. – Act 51 Distribution and Reporting System (ADARS) Upgrade

C. Granger spoke with Dave Wearsch, MDOT, and the ADARS team, and they are currently still going through analysis. The meetings have been pushed back per D. Jennett.

4.6.3. – Center for Shared Solutions Priorities

- CSS' primary focus is on the culvert tasks.

Sprint 2.28 – Moving to production on 4/29/2022

- Road and dashboard updates
- Bridge ratings - change Poor to Severe/Poor on dashboards and on IMAP
- Vector Tile Cache – increase font size on IMPA and IRT maps. They also have the ability to change the shields

Sprint 2.29 – In Progress

- CSS has completed the reports for D. Jennett on IRT projects
- CSS has completed the 2021 dashboard tweaks
- CSS has in development the BUG-IBR ratings which need to make sure only available on non-pavement roads
- CSS has in development the IRT export projects as shapefiles.
- CSS has in development the update to the admin screen to support culverts and export/download process.
- CSS has in development adding the culverts to IMAP, the IRT MAP, and dashboards.
- CSS also has in development to create service to bring culvert data from Roadsoft to TAMC.

4.6.4. – IRT New Application Updates and Reminders

See agenda item 4.6.3.

4.6.5. – TAMC Website

See agenda item 4.6.3.

The State of Michigan is changing platforms for their website. It is beyond TAMC support staff control. The website is going live on April 22, 2022. There are only two developers on the MDOT side to get things completed for all MDOT sites. The URL, links, annual report, and interactive maps will work. R. Green has requested that there is a notice stating, “Please excuse us while our website is under construction.” The major deliverables will be out there. There are some items that will need to be corrected. TAMC will now be under the STC on the new website.

5. Public Comments:

None

6. Member Comments:

J. Tubbs thanked the TAMC support staff for their work on the 2021 Michigan Roads and Bridges Annual Report.

7. Adjournment:

The meeting adjourned at 3:58 p.m. The next TAMC Data Committee meeting will be held on May 18, 2022, at 1:30 p.m., via Microsoft Teams.

TAMC FREQUENTLY USED ACRONYMS:

AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
ACE	ADMINISTRATION, COMMUNICATION, AND EDUCATION (TAMC COMMITTEE)
ACT 51	PUBLIC ACT 51 OF 1951-DEFINITION: A CLASSIFICATION SYTEM DESIGNED TO DISTRIBUTE MICHIGAN’S ACT 51 FUNDS. A ROADWAY MUST BE CLASSIFIED ON THE ACT 51 LIST TO RECEIVE STATE MONEY.
ADA	AMERICANS WITH DISABILITIES ACT
ADARS	ACT 51 DISTRIBUTION AND REPORTING SYSTEM
BTP	BUREAU OF TRANSPORTATION PLANNING (MDOT)
CFM	COUNCIL ON FUTURE MOBILITY
CPM	CAPITAL PREVENTATIVE MAINTENANCE
CRA	COUNTY ROAD ASSOCIATION (OF MICHIGAN)
CSD	CONTRACT SERVICES DIVISION (MDOT)
CSS	CENTER FOR SHARED SOLUTIONS
DI	DISTRESS INDEX

ESC	EXTENDED SERVICE CONTRACT
ETL	EXCHANGE, TRANSFER AND LOAD
FAST	FIXING AMERICA'S SURFACE TRANSPORTATION ACT
FHWA	FEDERAL HIGHWAY ADMINISTRATION
FOD	FINANCIAL OPERATIONS DIVISION (MDOT)
FY	FISCAL YEAR
GLS REGION V	GENESEE-LAPEER-SHIAWASSEE REGION V PLANNING AND DEVELOPMENT COMMISSION
GVMC	GRAND VALLEY METRO COUNCIL
HPMS	HIGHWAY PERFORMANCE MONITORING SYSTEM
IBR	INVENTORY BASED RATING
IJA	Infrastructure Investment and Jobs Act
IRI	INTERNATIONAL ROUGHNESS INDEX
IRT	INVESTMENT REPORTING TOOL
KATS	KALAMAZOO AREA TRANSPORTATION STUDY
KCRC	KENT COUNTY ROAD COMMISSION
LDC	LAPTOP DATA COLLECTORS
LTAP	LOCAL TECHNICAL ASSISTANCE PROGRAM
MAC	MICHIGAN ASSOCIATION OF COUNTIES
MAP-21	MOVING AHEAD FOR PROGRESS IN THE 21 ST CENTURY (ACT)
MAR	MICHIGAN ASSOCIATION OF REGIONS
MDOT	MICHIGAN DEPARTMENT OF TRANSPORTATION
MDTMB	MICHIGAN DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET
MIC	MICHIGAN INFRASTRUCTURE COMMISSION
MITA	MICHIGAN INFRASTRUCTURE AND TRANSPORTATION ASSOCIATION
MML	MICHIGAN MUNICIPAL LEAGUE
MPO	METROPOLITAN PLANNING ORGANIZATION
MTA	MICHIGAN TOWNSHIPS ASSOCIATION
MTF	MICHIGAN TRANSPORTATION FUNDS
MTPA	MICHIGAN TRANSPORTATION PLANNING ASSOCIATION
MTU	MICHIGAN TECHNOLOGICAL UNIVERSITY
NBI	NATIONAL BRIDGE INVENTORY
NBIS	NATIONAL BRIDGE INSPECTION STANDARDS
NFA	NON-FEDERAL AID
NFC	NATIONAL FUNCTIONAL CLASSIFICATION
NHS	NATIONAL HIGHWAY SYSTEM
PASER	PAVEMENT SURFACE EVALUATION AND RATING
PNFA	PAVED NON-FEDERAL AID
PWA	PUBLIC WORKS ASSOCIATION
QA/QC	QUALITY ASSURANCE/QUALITY CONTROL
RBI	ROAD BASED INVENTORY
RCKC	ROAD COMMISSION OF KALAMAZOO COUNTY
ROW	RIGHT-OF-WAY
RPA	REGIONAL PLANNING AGENCY
RPO	REGIONAL PLANNING ORGANIZATION
SEMCOG	SOUTHEAST MICHIGAN COUNCIL OF GOVERNMENTS
STC	STATE TRANSPORTATION COMMISSION
STP	STATE TRANSPORTATION PROGRAM
TAMC	TRANSPORTATION ASSET MANAGEMENT COUNCIL
TAMP	TRANSPORTATION ASSET MANAGEMENT PLAN
TPM	TRANSPORTATION PERFORMANCE MEASURES
UWP	UNIFIED WORK PROGRAM
WATS	WASHTENAW AREA TRANSPORTATION STUDY

S:/GLORIASTRONG/TAMC FREQUENTLY USED ACRONYMS.03.02.2022.GMS

Reporting Period: April 1 -30, 2022

Monthly Project Progress Report

TAMC Activities 2022

May 12, 2022

Project Manager: Rob Green

MDOT Contract 2021-0058 Authorization Z10

Contract Dates: 01/01/2022 – 12/31/2022

Contract Amount: \$128,425



**Michigan
Technological
University**



Michigan Technological University
1400 Townsend Drive
Houghton, MI 49931

Task	% of Budgeted Dollars Spent	Notes
Task 1: Maintain Roadsoft-IRT Data Submission Protocols	1%	
Task 2: TAMC QR Data Collection Support	2%	
Task 3: Update Bridge AM Guide	4%	
Task 4: AM Domestic State of Practice Study	45%	
Task 5: Undefined Staff Support	49%	
Task 6: Attend and Participate in TAMC Council Meeting	10%	
Task 7: Attend and Participate in TAMC Committee Meeting	20%	
Task 8: Project Management & Monthly Reporting	9%	

Current Tasks Completed

Correspondence regarding PASER/IBR submission, held a PASER QR update meeting regarding design of the Roadsoft LDC QR process, worked on the AM Domestic State of Practice study – researching local agencies, testing study methods on the first states, developing a presentation for Data committee and reviewing report, prepared and attended Council, ACE Committee, and Data committee meetings, March reporting and general project management.

Project’s Financial Summary

April Expense Reimbursement Submitted	\$8,358
Total Project Expenses to Date	\$16,936
Contract Balance Available	\$111,489