



TAMC Update Michigan Bridge Conference

Tuesday, March 14, 2023

www.michigan.gov/tamc



Michigan
Transportation Asset
Management Council



TAMC's Mission:

To develop and support excellence in managing Michigan's Transportation assets by:

1. Advising the Legislature, State Transportation Commission (STC), Michigan Infrastructure Council (MIC), and Transportation Committees
2. Promoting Asset Management Principles
3. Providing tools and practices for road agencies
4. Collaborate and coordinate with Water Asset Management Council (WAMC) and other asset owners



Strategic Work Program

- TAMC 2022-2024 Strategic Work Program Approved by TAMC on January 5, 2022
- Maintains Core Tenants of TAMC's Commitment to Data Collection, Training and Education through Critical Partnerships
- Continue Deployment of Asset Management Plan Administration
- Policy Updates for PASER Data Collection, Bridges, Culverts and Asset Management Plans



Strategic Work Program

- Where can I find the details of this Program?
- www.Michigan.gov/TAMC



Strategic Work Program

The purpose of this work program is to provide guidance on the strategies, financial and tactical tasks associated with carrying out the TAMC program as required under Michigan law. The Michigan Transportation Asset Management Council 2022 – 2024 Strategic Work Program also provides tactical objectives directing the various committees, contractors, support staff and program partners for the timeframe of 2021 - 2023.

[Read more on the TAMC Strategic Work Program](#) >

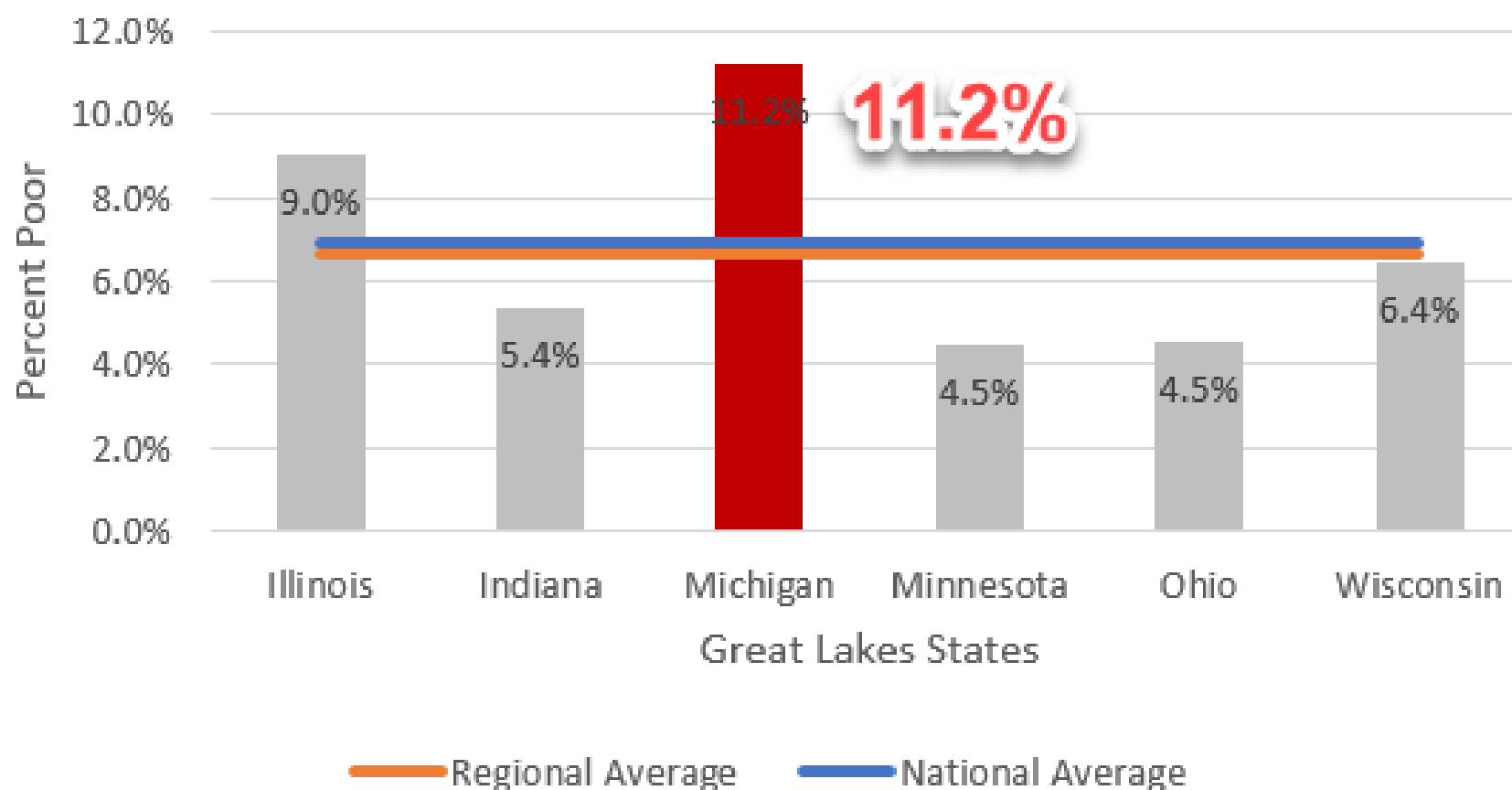
Subscribe for TAMC Updates

Subscribe to receive the most up to date information and updates on the Transportation Asset Management Council!

[Subscribe for TAMC Updates and Information!](#)

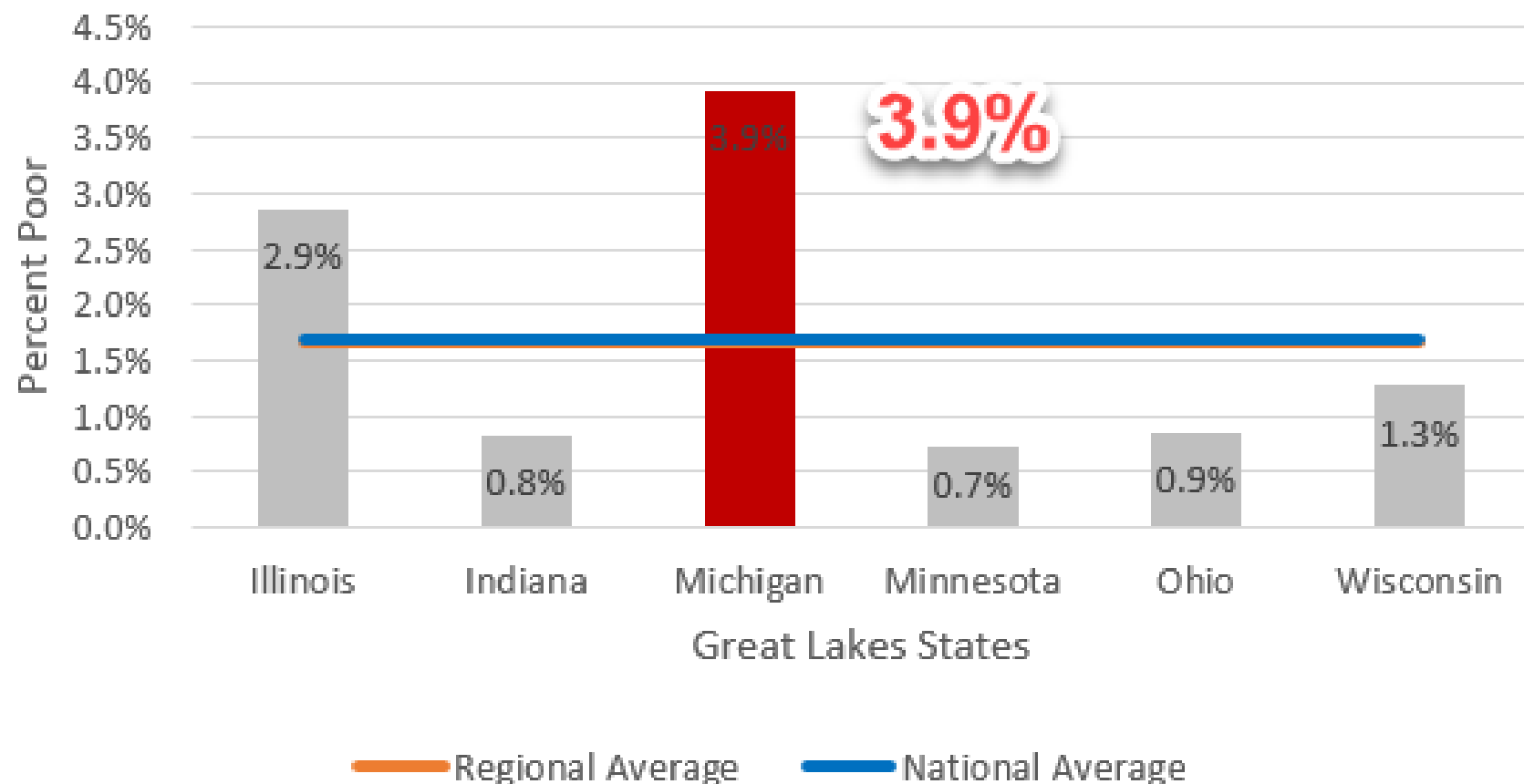
Annual Report – Condition Reporting

2022 Percent Poor Bridges (NBI 4 or Less)



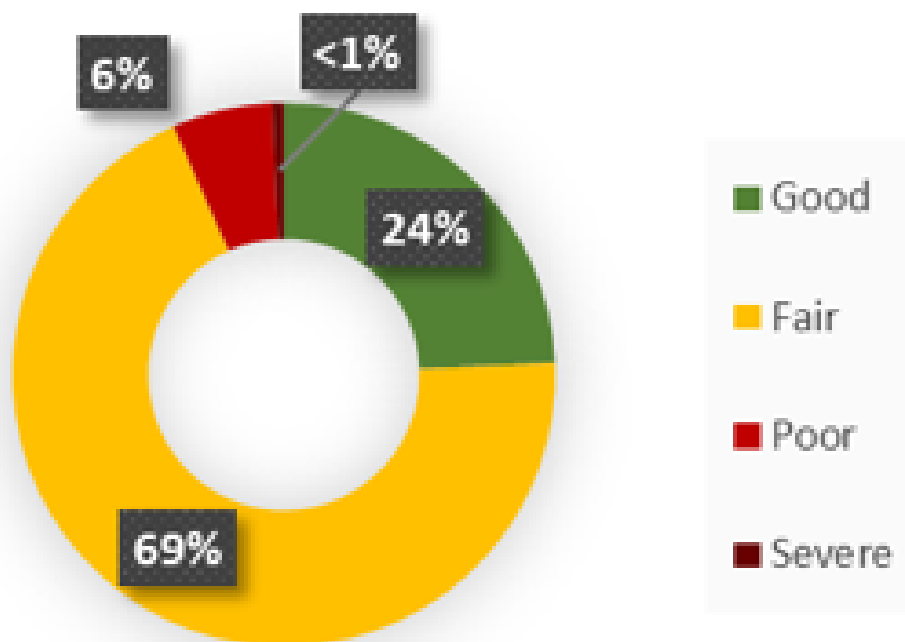
Annual Report – Condition Reporting

2022 Percent Severe Bridges (NBI 3 or Less)



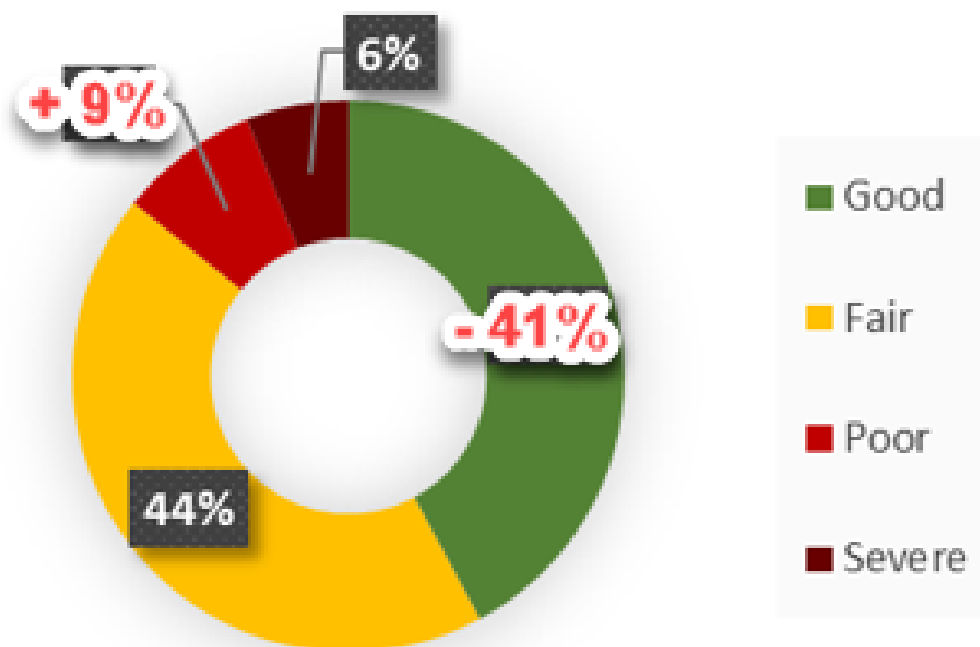
Annual Report – Condition Preliminary Reporting

2022 Trunkline Bridge Condition



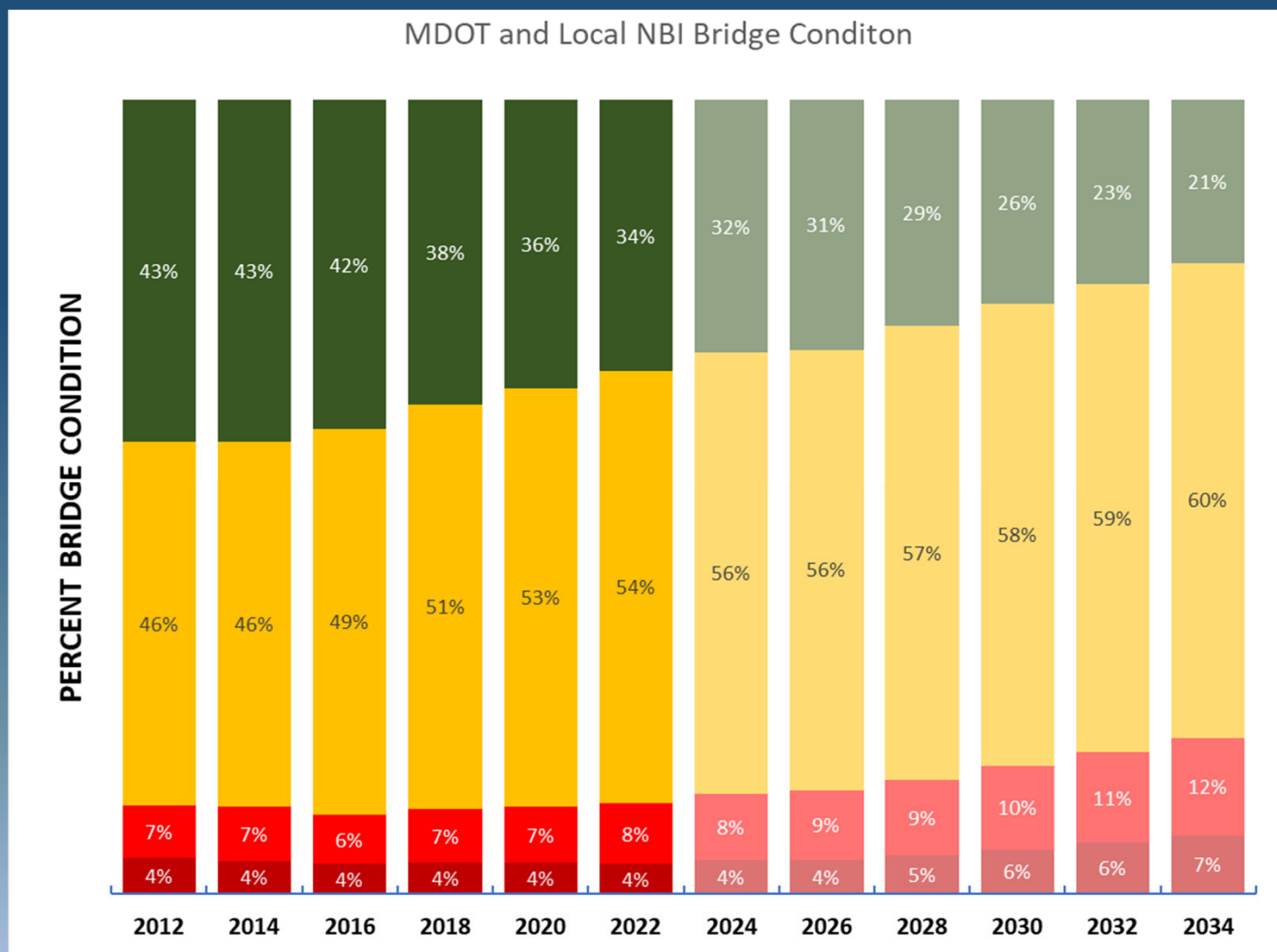
Annual Report – Condition Preliminary Reporting

2022 Local Agency Bridge Condition

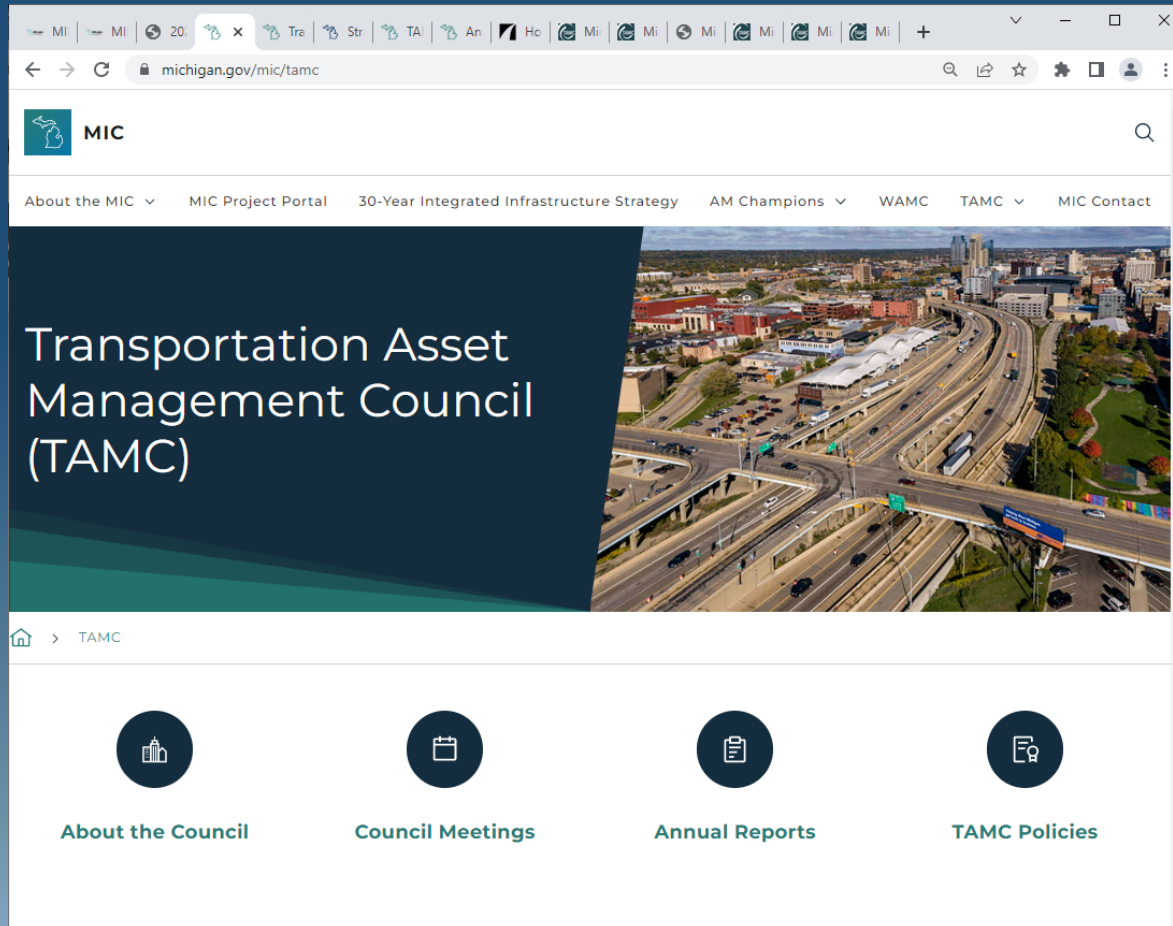


Annual Report – Condition

Preliminary Reporting



TAMC Website – Updated and Merged with the MIC



1. Public Website

- Mobile ready – phones & tablets

2. Updated Annually

- Road and Bridge conditions in May
- Other data sets in the Fall

TAMC Website Interactive Map & Dashboards

TAMC News and Upcoming Events

- [Policy for Collection of Roadway Surface Condition Data \(2023\)](#)
- [Policy for Collection of Culvert Inventory and Condition Data \(2023\)](#)

TAMC Support

[TAMC Contact Information](#)



Dashboards

Condition, operation, and investment in Michigan's public road system.



Interactive Maps

Create and view an up-to-date road and bridge condition map.



Reporting Hub

MiLogin Access for Investment Reporting Tool (IRT), Act 51 Distribution and Reporting System (ADARS), Non-Trunkline Federal Aid (NTFA).



Training Opportunities

To promote the use of asset management practices among Michigan's road owning agencies, TAMC, in partnership with Michigan Technological University, offer a variety of training programs that have the components to meet the needs of TAMC's audience as well as prepare participants and certify their competence to perform annual data collection activities.

[Read more on the TAMC Training Opportunities](#) >

TAMC Dashboards



The dashboards depicted below show the condition, operation, and investment in Michigan's public road system. Pavement condition information is based on paved surface ratings for state highways as well as roads under the jurisdiction of Michigan's counties, cities and villages. Statewide there are over 10,000 public road bridges. Bridge conditions are based on bi-annual inspections of state, county, city and village owned bridges. The number of traffic accidents is a measure of how effectively the road system is performing. Maintenance is required to keep roads and bridges performing as intended. These activities include: snow removal, patching, grading, and mowing. Capital investments are necessary to extend the useful life of any asset including roads and bridges. The financial pie charts illustrate how investments in the road and bridge system are made.



Pavement



Bridge



Traffic



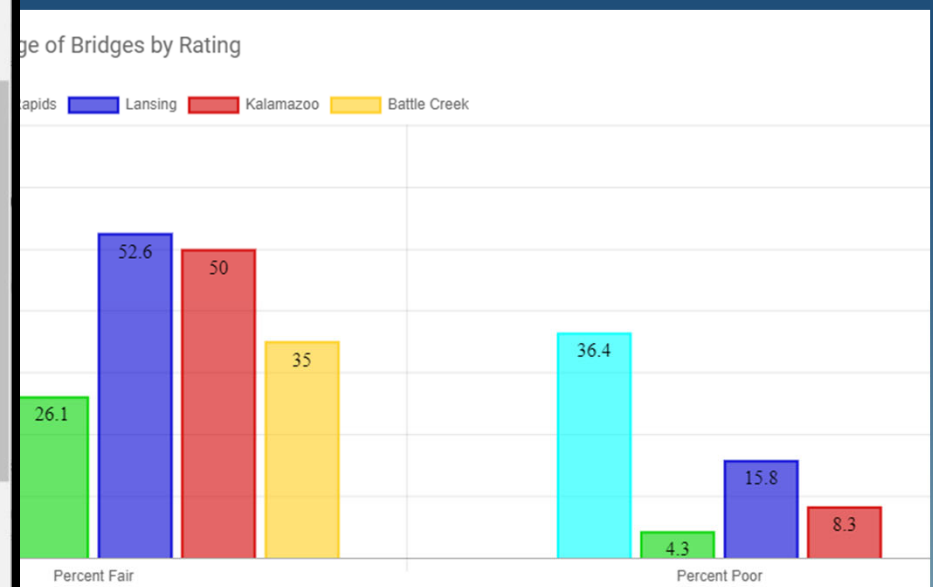
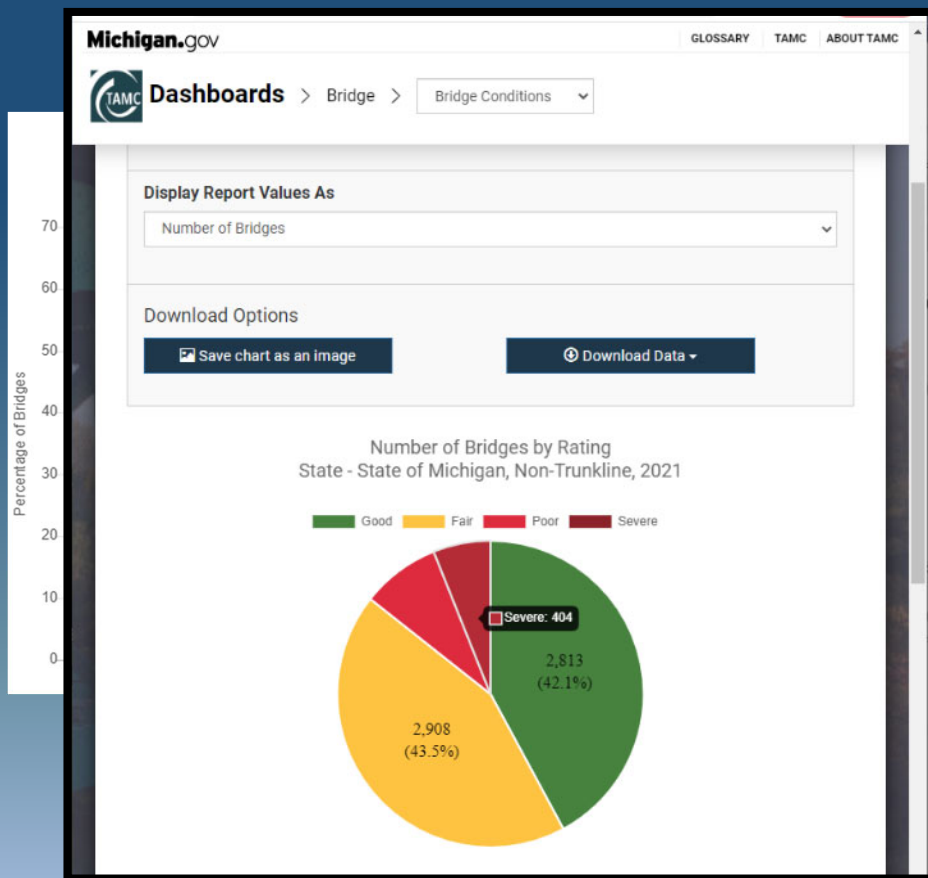
Safety



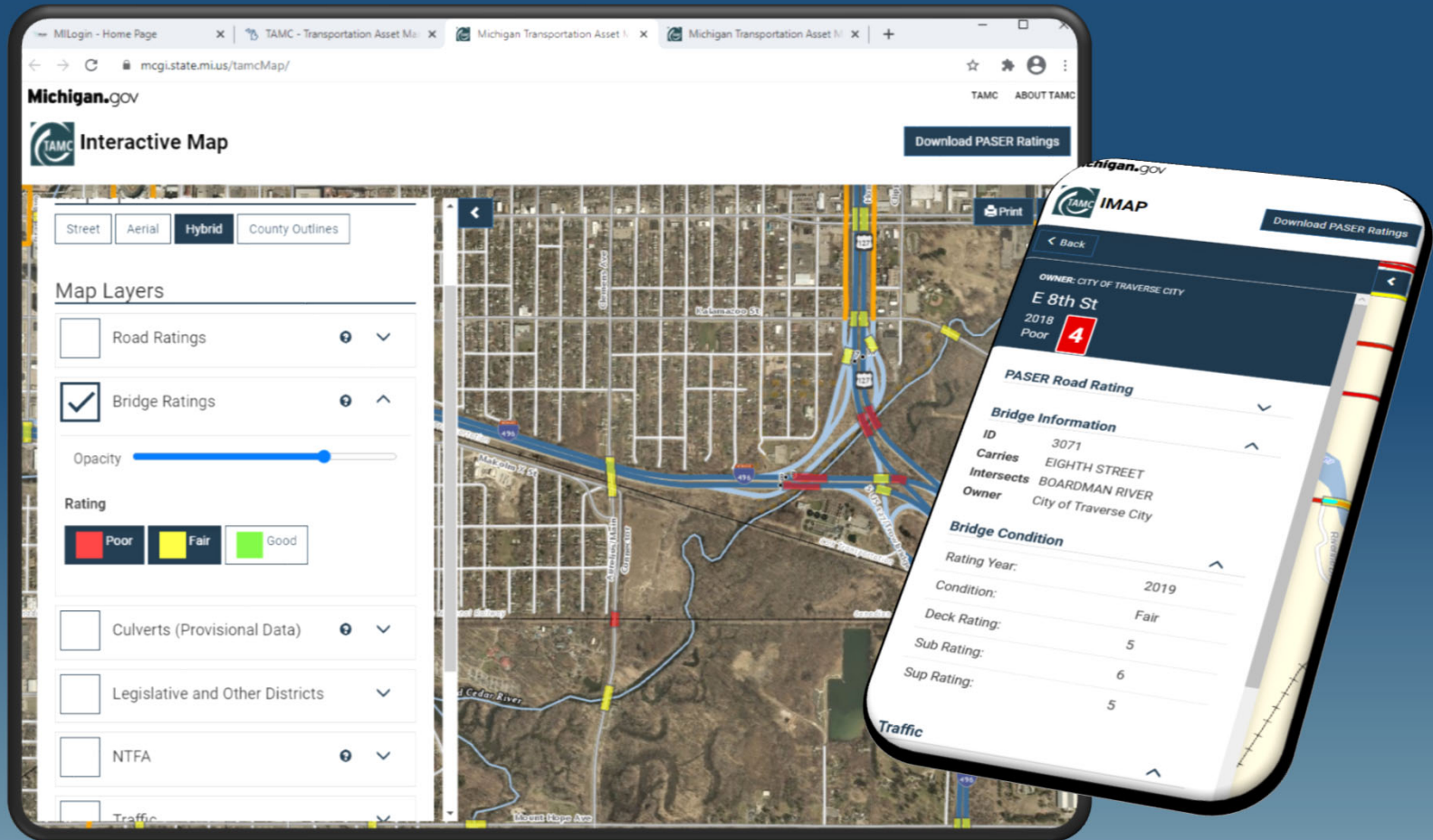
Maintenance



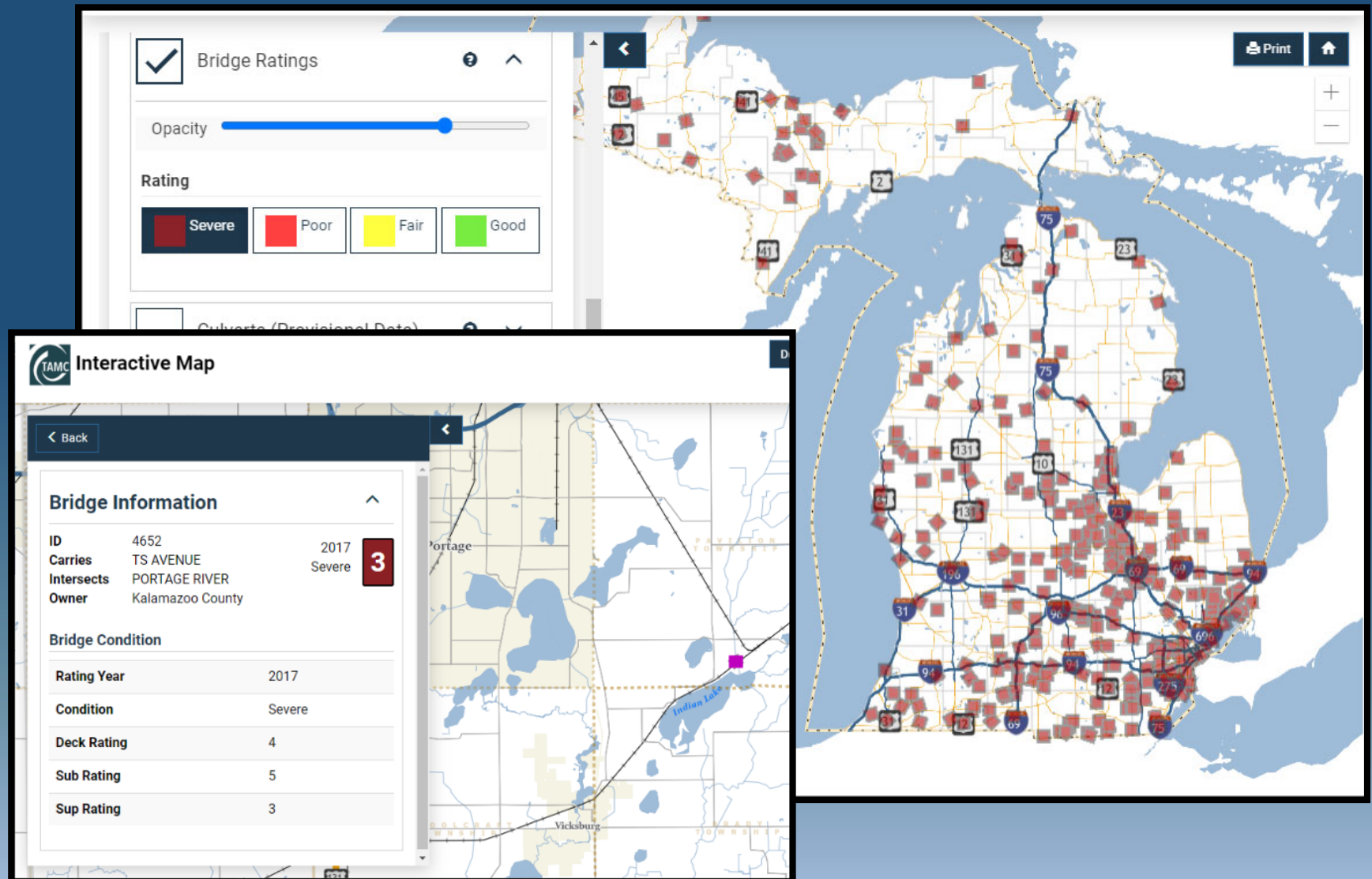
Example dashboard images



TAMC Interactive Map



Interactive Map - Severe Bridges



Culvert Inspection and Reporting

- Non-NBI Structures less than 20 feet in span length
 - Roadsoft
 - Preferred for large inventories and pipe type structures.
 - CTT/MTU training available
 - MiBridge (10 to 20 feet)
 - May be preferred if small number of structures (City) or if structure type is more traditional bridge elements (beam, deck, abutments,etc.)

Culvert Inspection and Reporting



Michigan Non-NBI Culvert Structure Inspection Guide



Updated 2022!

Clarified text and tables based on user feedback

Added comparison tables between NBI Rating Guidelines and Michigan Non-NBI Culvert Structure Inspection Guide

Created “Rating Cards” that can be printed and taken into the field (Appendix C)

Asset Management Guide for Local Agency Bridges in Michigan



sponsored by **Michigan Transportation Asset Management Council**
prepared by **TranSystems Corporation**
updated by **Center for Technology & Training**

2022

Updated 2022!

Checked and updated or removed outdated resource links

Worked with MDOT to update policy and procedure descriptions

Replaced Sample Plan with a sample plan created by the template used in the Bridge AM Plan training

Asset Management Plan: Act 51 Mandate

- Transportation Asset Management Plan (TAMP)
- Public Act 325 of 2018
 - Defines 7 elements of Asset Management Plan
 - Required by agencies w/ 100+ miles
 - TAMC charged with establishing schedule of due dates, TAMP Template, & Training
- TAMP Template
 - Pavement Plan + Bridge Plan + Compliance Plan
 - Pulls Data from MiBRIDGE & Roadsoft
 - Customizable, Word-format
 - Bridge & Pavement Plan Workshops



TAMP— 3 Year Schedule

- ❖ Certify 100 miles of road
- ❖ All 83 county road agencies
- ❖ 39 of Michigan's largest cities
- ❖ Training Opportunities
- ❖ TAMC TAMP Template



Michigan
Transportation Asset
Management Council

Public Act 325 of 2018 Updated TAMP Submission Schedule
Groups A, B, and C
January 2023

Group A Due October 1, 2023

1. Alger County Road Commission
2. City of Ann Arbor
3. Baraga County Road Commission
4. Bay County Road Commission
5. Berrien County Road Department
6. Calhoun County Road Commission
7. Cheboygan County Road Commission
8. Clinton County Road Commission
9. City of Dearborn Heights
10. Dickinson County Road Commission
11. City of Farmington Hills
12. Genesee County Road Commission
13. City of Grand Rapids
14. Hillsdale County Road Commission
15. Huron County RC
16. Iosco County RC
17. City of Jackson
18. Road Commission of Kalamazoo County
19. City of Kentwood
20. City of Lansing
21. Lenawee County RC
22. City of Livonia
23. Macomb County Department of Roads
24. Mason County RC
25. Midland County RC
26. Monroe County RC
27. Muskegon County Road Commission
28. City of Norton Shores
29. Oceana County RC
30. Osceola County Road Commission
31. Ottawa County RC
32. City of Portage
33. City of Romulus
34. City of Royal Oak
35. Sanilac County RC
36. City of Southfield
37. St. Joseph County Road Commission
38. City of Troy
39. City of Walker
40. Wayne County Road Commission
41. City of Wyoming

Group B Due October 1, 2024

1. Alcona County RC
2. Alpena County RC
3. Arenac County RC
4. City of Battle Creek
5. Benzie County RC
6. City of Burton
7. Charlevoix County Road Commission
8. Clare County RC
9. City of Dearborn
10. City of Detroit
11. Emmet County RC
12. City of Garden City
13. Gogebic County Road Commission
14. Gratiot County RC
15. Houghton County Road Commission
16. Ionia County RC
17. Isabella County RC
18. City of Kalamazoo
19. Kent County RC
20. Lake County RC
21. Leelanau County Road Commission
22. Livingston County Road Commission
23. Mackinac County Road Commission
24. Marquette County Road Commission
25. Menominee County Road Commission
26. Missaukee County Road Commission
27. Montmorency County Rd Comm
28. Newaygo County Road Commission
29. Road Commission of Oakland County
30. Ontonagon County Road Commission
31. Otsego County RC
32. City of Port Huron
33. City of Rochester Hills
34. City of Roseville
35. City of Saginaw
36. Shiawassee County Road Commission
37. City of St. Clair Shores
38. City of Taylor
39. Van Buren County Road Commission
40. Washtenaw County Road Commission
41. Wexford County Road Commission

Group C Due October 1, 2025

1. Allegan County RC
2. Antrim County RC
3. Barry County RC
4. City of Bay City
5. Branch County Road Commission
6. Cass County Road Commission
7. Chippewa County Road Commission
8. Crawford County Road Commission
9. Delta County Road Commission
10. Eaton County Road Commission
11. City of Flint
12. Gladwin County Road Commission
13. Grand Traverse County Road Comm
14. City of Holland
15. Ingham County RC
16. Iron County RC
17. Jackson County DOT
18. Kalamazoo County Road Commission
19. Keweenaw County Road Commission
20. Lapeer County RC
21. City of Lincoln Park
22. Luce County RC
23. Manistee County Road Commission
24. Mecosta County Road Commission
25. City of Midland
26. Montcalm County Road Commission
27. City of Muskegon
28. City of Novi
29. Ogemaw County Road Commission
30. Oscoda County RC
31. City of Pontiac
32. Presque Isle County Road Commission
33. Roscommon County Road Commission
34. Saginaw County Road Commission
35. Schoolcraft County Road Commission
36. St. Clair County Road Commission
37. City of Sterling Heights
38. Tuscola County RC
39. City of Warren
40. City of Westland

Bridge & Culvert Asset Management Training Schedule

Bridge Asset Management Plan (2 hr)
May 4 and December 5

Bridge Asset Management Plan Workshop (2 hrs/day)
May 8-11

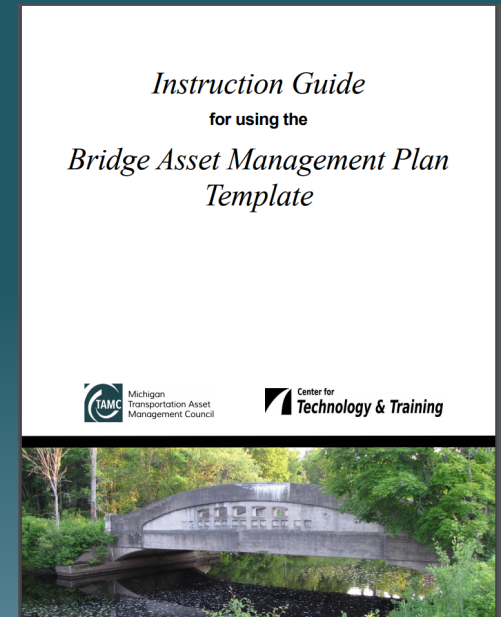
Updating a Bridge, Pavement, or Compliance Plan (2hrs)
May 23, August 15, December 7

Culvert Condition Assessment Webinar (2.5 hours)
August 29

*New training for those who have plans that need to be updated

TAMP Template Required Elements

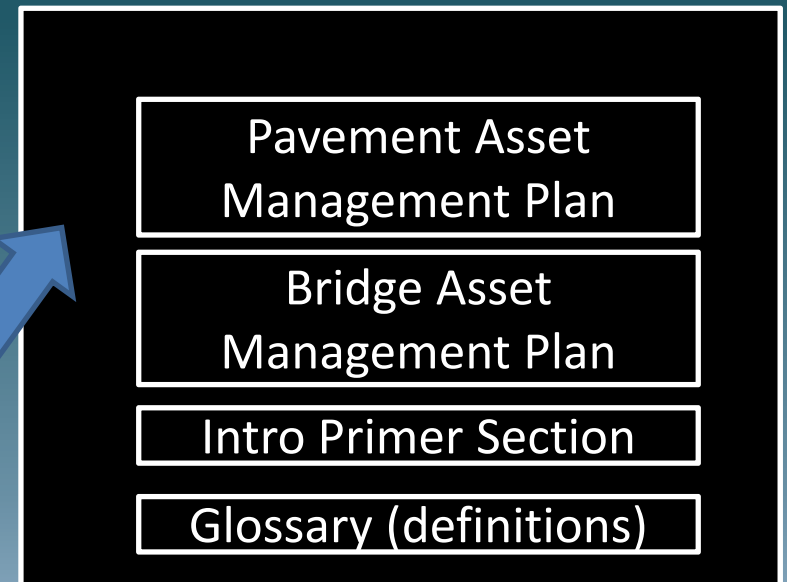
1. Asset Inventory
2. Performance Goals
3. Risk of Failure Analysis - NEW
4. Anticipated Revenue and Expenditures
5. Performance Outcomes
6. Coordination Clause - NEW
7. Proof of Adoption by Governing Agency



TAMC TAMP Template



Compliance Plan



Resources



Website:

www.Michigan.gov/TAMC



TAMC Help Desk:

(517) 335-3741



MI Login IRT Password Reset

1-800-968-2644



Email:

MDOT_TAMC@Michigan.gov

Questions?

