

2017 Genesee County Planning Forum

Michigan Transportation Asset Management Council

Friday, February 24th
UM-Flint University Center
303 E. Kearsley St, Flint MI 48502

Rog Belknap, TAMC Coordinator



1. TAMC Overview
2. Recent Accomplishments
3. Future Work Program Elements
4. Reporting Genesee County Data
5. Questions & Observations



- **REGISTER NOW!**
 - Spring TAMC Conference
May 25th, Comfort Inn,
Mt. Pleasant, MI
- Nominations for
Individual &
Organization Awards
- 2017 Schedules Are Out
 - PASER Training
 - Local Elected Officials
 - TAMC Meetings
- Reimbursement Requests
for Paved Non-federal aid
are to be submitted
starting March 1
- Please submit your Paved
Non-federal aid data
with/without
reimbursement



Michigan
Transportation Asset
Management Council

Legislature Act in 2002

*All public roads in Michigan will be managed
using the principles of Asset Management*

— Public Act 499



- Act Creates Transportation Asset Management Council – TAMC
- Advisory to Michigan State Transportation Commission
 - Asset Management Process
 - Tools and Education
 - Statewide Asset Management Strategy
 - Federal Aid System First
- Partnership for Deployment with Metro & Regional Planning Agencies



Michigan
Transportation Asset
Management Council

Your TAMC Members



Joanna Johnson
Chair (CRA)



Bill McEntee
Vice Chair (CRA)



Derek Bradshaw
(MAR)



Don Disselkoen
(MAC)



Dale Kerbyson
(MML)



Bob Slattery
(MML)



Jon Start
(MTPA)



Jennifer Tubbs
(MTA)



Brad Wieferich
(MDOT)



Dave Wresinski
(MDOT)



Rob Surber
(DTMB – CSS)



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Support & Partners



TAMC Support Division, Bureau of Transportation Planning (MDOT)



Tim Colling, PhD. P.E.
(MTU - CTT)



Dave Jennett
(DTMB - CSS)





❖ *“An Honest Broker of Data”*

- ✓ Publication of Michigan’s Roads & Bridges Annual Report
- ✓ Reporting Investments – Data Sharing Requirement Part of Act 51 Compliance
- ✓ Interactive Maps, Dashboards & Mobile Accessible Data
- ✓ Road Condition Data on no less than ½ Federal Aid System Annually





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2014-2016 Achievements

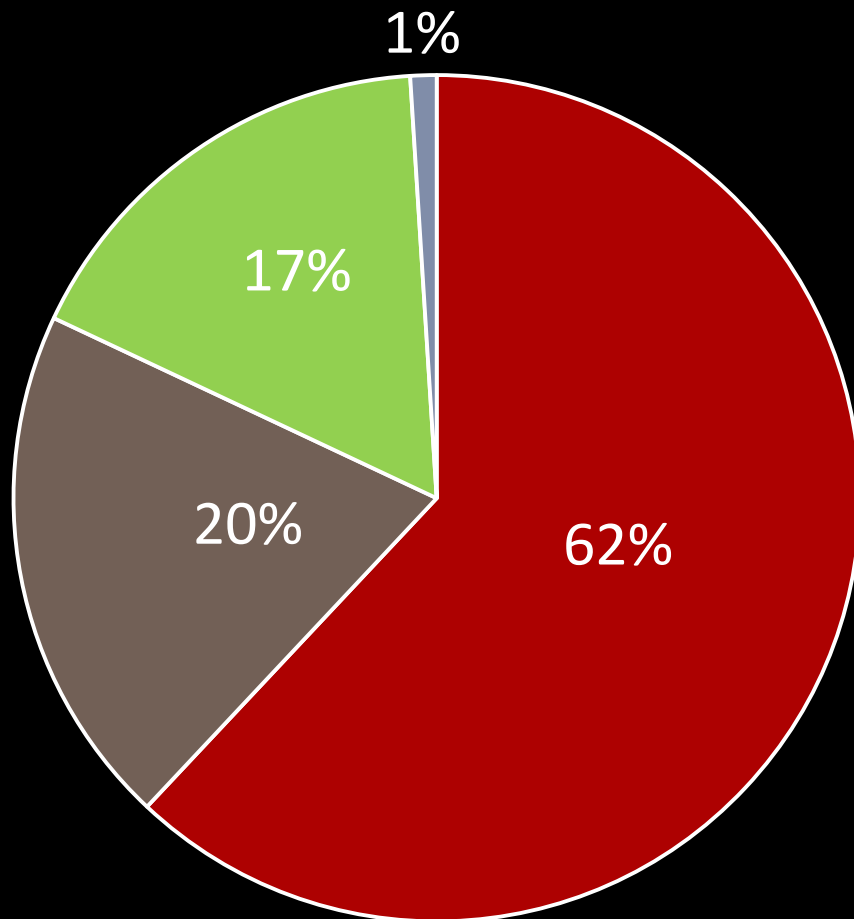


- ✓ Data Collection & Annual Reporting of Roads/Bridges
- ✓ Act 51 Reports & Investment Reporting mechanisms now linked
 - 100% compliance with counties
 - 323 cities & villages in compliance
- ✓ Training Program Highlights ('14-'16):
 - 54 on-site events
 - 2,372 Participants
 - Avg. 45 participants/event
- ✓ Completed Study of Unpaved Roads & Publication of Inventory-based Rating
- ✓ Improved Coordination & Communications
 - Website redesign + mobile apps
 - Regional Conference Calls



Budget Overview

FY2017 - \$1,626,400



- Regional Program & Data Collection - \$996,854
- Central Data Agency & Technology - \$322,635 (+\$131,040 grant)
- Training & Educational Activities - \$280,000
- Council Expenses - \$20,540



✓ Continue Tenets of TAMC Program

- Data Collection & Reporting
- Training & Educational Programs

✓ Asset Management Plans

- Develop core plan elements & templates
- Link to Investment Reporting of Asset Management

✓ Analyze Performance of Implemented Improvements using IRT Data & PASER Data

✓ Collect Data on Unpaved Roads

✓ Collect More Data on Non-Federal Aid Eligible Roads

\$250,000 Funding
Increase Requested



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Asset Management Plans

❖ *Determine Core Elements*

- ✓ Inventory
- ✓ Current Condition of Inventory
- ✓ Forecast Condition 3-5 Years
- ✓ Financial Resources
- ✓ Goal Setting
- ✓ Planned Projects (Capital Project List)
- ✓ Alternative Strategies
- Templates for Local Agencies of All Sizes
- Training & Tech Support
- Coordination with Utilities



Asset Management Plan for
Pavement: City of Ann Arbor, MI

PREPARED FOR
MICHIGAN DEPARTMENT OF TRANSPORTATION




Revised Roadway
Asset Management Plan
City of Norton Shores
2016



4814 Henry Street
Norton Shores, MI 49441

Gary Nelund, Mayor
Mark C. Meyers, City Administrator
Gerald A. Bartoszek, Director of Public Works
Terry Sladick, Streets & Drainage Superintendent

Prepared by:
James R. Murphy, Project Engineer
Department of Public Works



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Initial Focus on Largest Road Systems

❖ *“The Top 125”*

- ✓ All 83 Counties
- ✓ 41 Cities
- ✓ MDOT
- Agencies with a minimum of 100 miles of Act 51 Certified Roads
- Comprise 92% of Michigan’s Total Road System
- Account for over 90% of Federal Aid System





Pilot Project 2015 – 5 counties

Inventory-Based Rating (IBR) Goals

- 1. Ratings do not change quickly**
- 2. Rapid collection rate**
- 3. Low collection cost**
- 4. 1 to 10 scale**



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Rating Unpaved Roads

Good

Fair

Poor

on:

Surface Width

Drainage Adequacy

Structure Adequacy

Roadsoft/LDC provides the IBR 1 – 10 number

Michigan's Performance Measure Dashboards

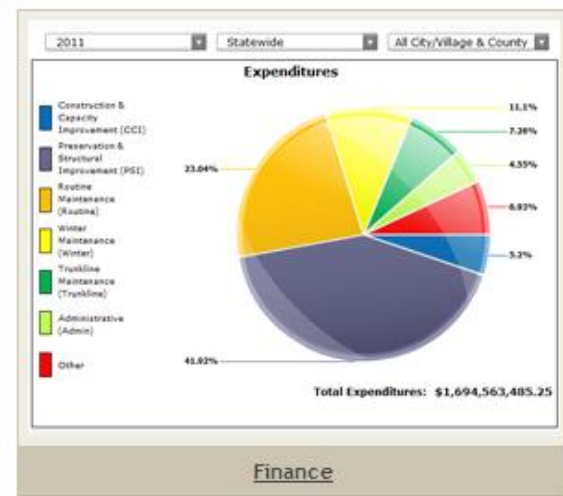
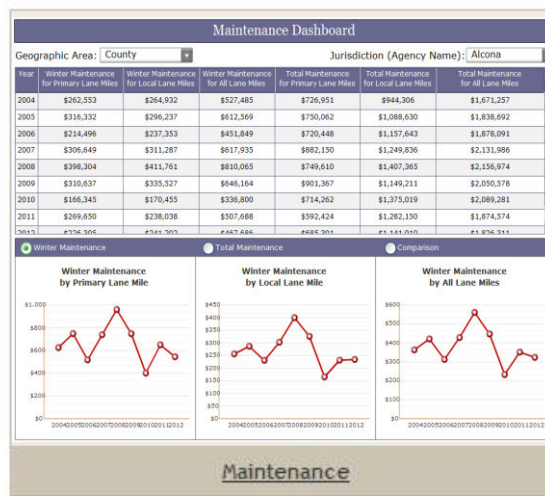
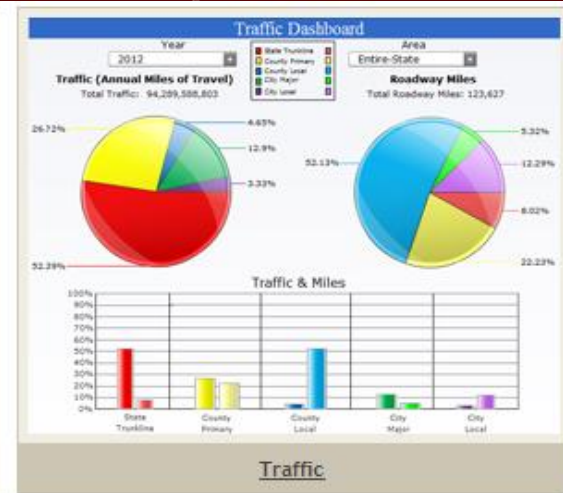
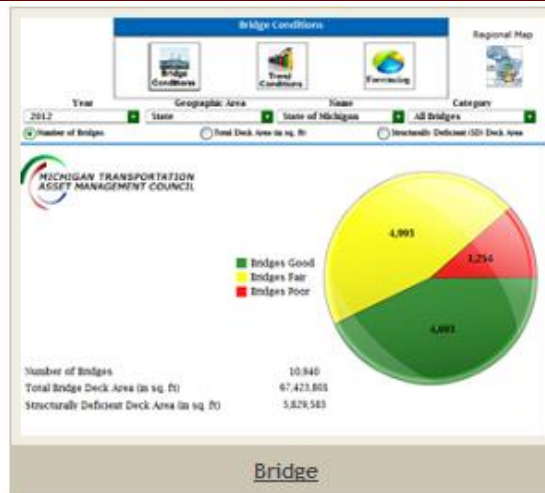
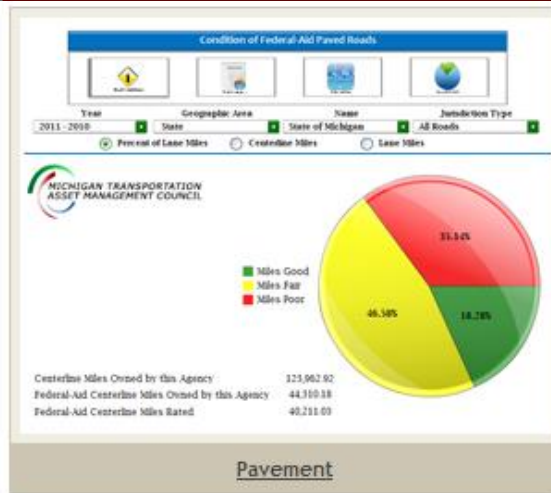


Transportation Asset Management Council MI Transportation Reporting Portal

Michigan.gov

The Official State of Michigan Website

Subscribe to TAMC Updates Login



Michigan's Interactive PASER Maps



Transportation Asset Management Council
MI Transportation Reporting Portal

Michigan.gov

The Official State of Michigan Website

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Council ▾ Investment Reporting ▾ Data Access ▾ Education and Training ▾ Communication ▾

Search:

Enter a document or meeting name.

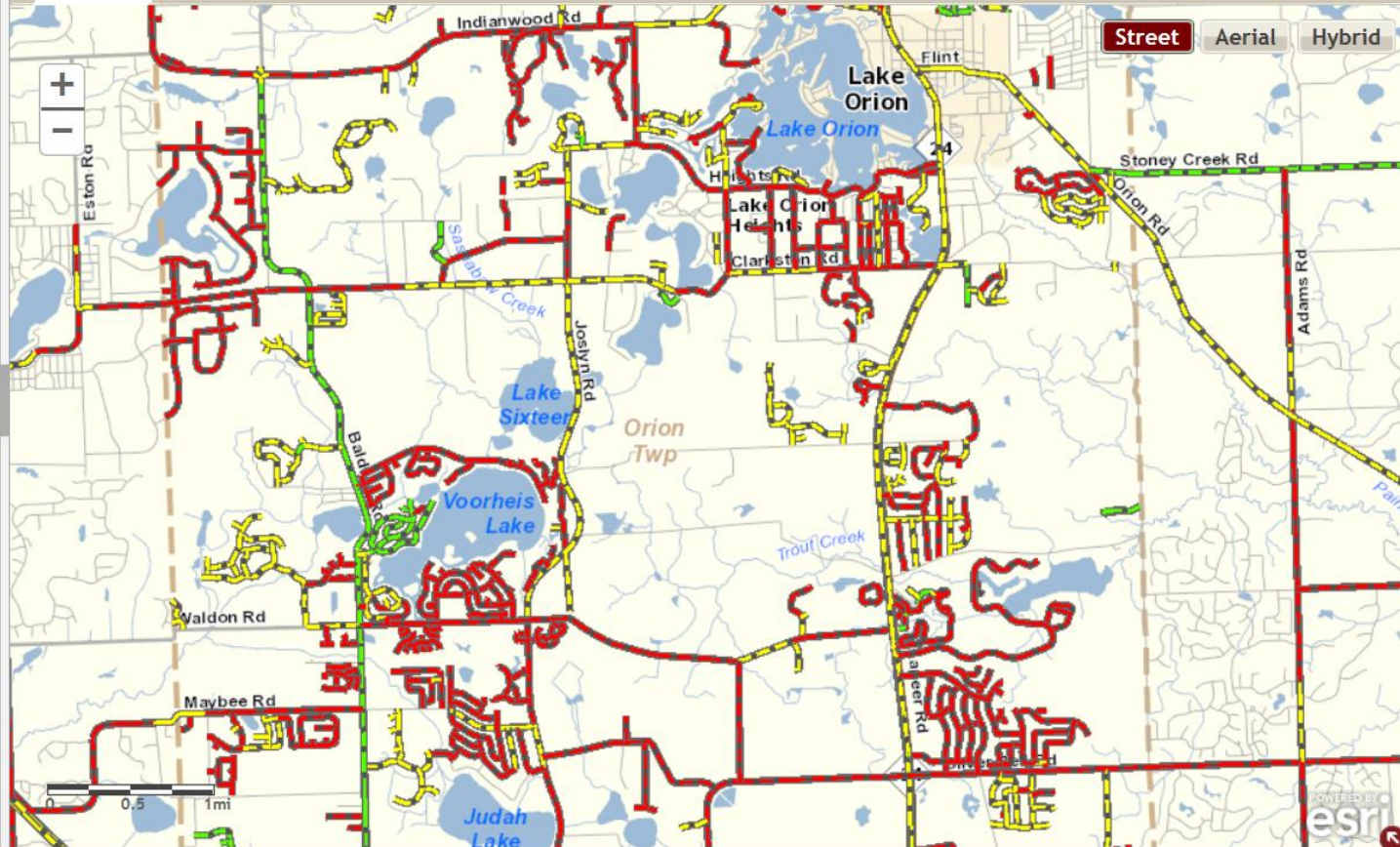
Print Navigation Info

search address, city, zip, and more

Map Results



Street Aerial Hybrid



Legend

PASER - Road Condition

Most Current:

- Poor
- Fair
- Good

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www.michigan.gov/tamc



GENESEE COUNTY METROPOLITAN PLANNING COMMISSION

SEARCH

- Improving Communities/Housing
- Environmental
- Transportation
- Documents & Public Notices

SITE MAP

- Plans & Documents
 - 2040 Long Range Transportation Plan
 - Transportation Improvement Program
 - Regional Non-Motorized Plan
- Transportation Programs

CONTACT OUR STAFF

OUR STAFF

QUICK LINKS

- LONG RANGE TRANSPORTATION PLAN
- TRANSPORTATION IMPROVEMENT PROGRAM
- REGIONAL NON-MOTORIZED PROJECTS
- RIDESHARE
- TRAFFIC COUNTS

TRANSPORTATION



TRANSPORTATION PROJECTS

LEARN MORE



PAVEMENT CONDITIONS

LEARN MORE



TRAFFIC COUNTS

LEARN MORE



2016 ANNUAL LISTING OF PROJECTS

LEARN MORE




Your Data Available Online:

<http://gcmpc.org/pavement-conditions/>

2016 PASER Survey
 of Genesee County

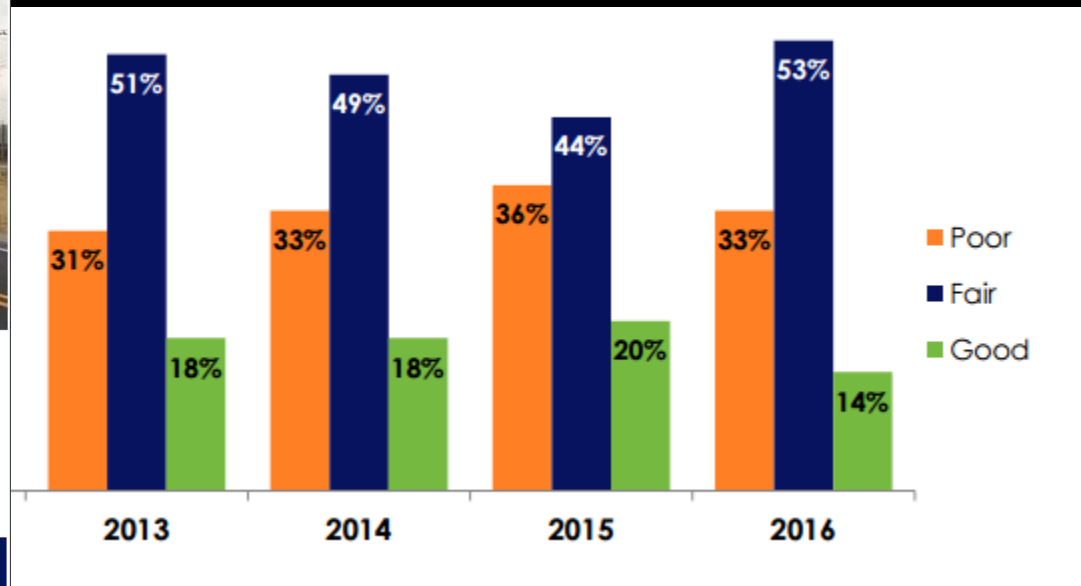
GCMPC
 GENESEE COUNTY METROPOLITAN
 PLANNING COMMISSION



GENESEE COUNTY METROPOLITAN ALLIANCE

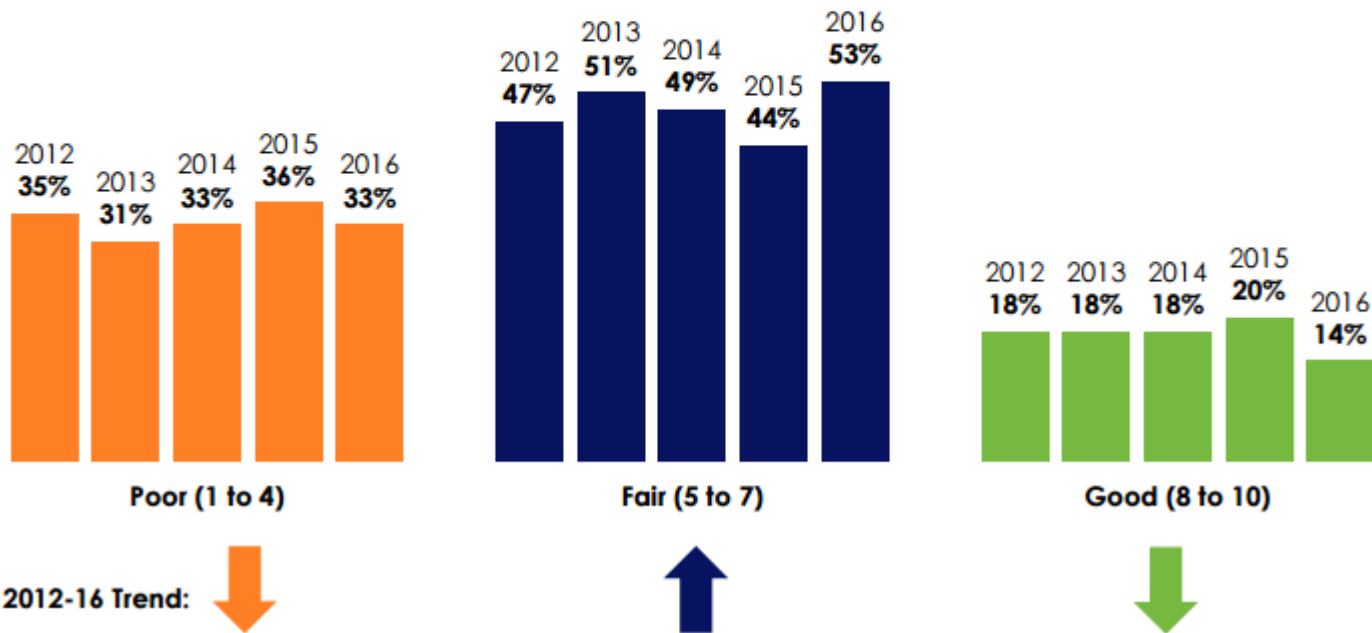
MICHIGAN TRANSPORTATION ASSET MANAGEMENT COUNCIL

Prepared by the Genesee County Metropolitan Planning Commission
www.gcmpc.org | October 2016



2016 PASER Survey of Genesee County
All Federal Aid Roads

PASER Ratings 2012-2016



Reporting Conditions

Genesee County 2016 PASER Ratings			
PASER Rating	Prescribed Fix	Total Lane Miles	Percentage of PASER Lane Miles
1 to 4	Structural Improvements	897.47	33%
5 to 7	Capital Preventative Maintenance	1422.58	53%
8 to 10	Routine Maintenance	384.35	14%

- In 2016, approximately 33% (897.47 lane miles) of the Federal Aid System received a PASER rating between 1 and 4. This represents a decrease of 2% as compared to the 2012 rating distribution in the same category.
- In 2016, approximately 53% (1422.58 lane miles) of the Federal Aid System received a PASER rating between 5 and 7. This represents an increase of 6% as compared to the 2012 rating distribution in the same category.
- In 2016, approximately 14% (384.35 lane miles) of the Federal Aid System received a PASER rating between 8 and 10. This represents a decrease of 4% as compared to the 2012 rating distribution in the same category.



Michigan Transportation Asset Management Council

Act 51 & Data Development

MDOT Department of Transportation

Michigan.gov Home | ADARS Home | Contacts | FAQs | Help | Welcome, BelknapR | Sign Out

Notices | Report Status | Report Contact | Verify/Submit Report | Change Agency FY | Approve/Reject Report | County: Oceana | FY End: 12/31/15

Capacity Improvements | Township Mileage | Township Expenditures | **Asset Management**

ASSET MANAGEMENT

No Data/Project Exist for the Reporting Period

The Total Project Cost is required for work completed to open the road to traffic during the fiscal year (i.e. no other work needs to be done for this project number).
Improvement Type: This will be the most significant for the project (i.e. multiple improvement type could be done for the project).
This page must be completed for fiscal years ending after September 30, 2014.
For more information about the Asset Management page please [click here](#).

Improvement Type	Project ID	Total Project Cost	Date Open To Traffic	Pavement Type
Multiple Course Chip Seal		\$20,061.08	06/30/2015	Asphalt
Multiple Course Chip Seal		\$26,261.34	06/30/2015	Asphalt
Multiple Course Chip Seal		\$29,436.10	06/30/2015	Asphalt
Multiple Course Chip Seal		\$27,047.97	06/30/2015	Asphalt
Multiple Course Chip Seal		\$32,802.47	06/30/2015	Asphalt
Multiple Course Chip Seal		\$24,242.32	06/30/2015	Asphalt
Multiple Course Chip Seal		\$24,363.34	06/30/2015	Asphalt
Multiple Course Chip Seal		\$24,538.82	06/30/2015	Asphalt

[State Web Site](#)
[Privacy Policy](#)

DEPARTMENT OF TRANSPORTATION
LANSING
(Date)

Dear Street Administrator:

The (Act 51 Agency) is in non-compliance with the Act 51 reporting requirements. I have rejected the ADARS report for the following reason:

The (Act 51 Agency) has not complied with the Asset Management reporting requirement found in MCL Section 241.625(6).

To fulfill this requirement, please complete the following steps:

- Go to the Investment Reporting Tool (IRT) and enter the road and bridge projects completed during the fiscal year ended (insert year after Oct 1, 2015).
- In the IRT, update the status of road and bridge projects to "completed" (even if there were no projects to report during this period).
- In ADARS, on the Asset Management page, uncheck the box "No Data/Project Exist for the Reporting Period". Leave the page and select it again to have the information loaded from the IRT.
- In ADARS, on the Asset Management page, verify all road project data from the IRT is now present and enter cost information for those projects and resubmit your ADARS report.
- NOTE: If there were no IRT road projects, then checking the box indicating "No Data/Project Exist and enter cost information for those projects and resubmit your ADARS report.

Please contact Roger Belknap, TAMC Coordinator, at (317) 375-2249, or rbelknap@dot.state.mi.us if you have any questions about how to bring your agency back into compliance with Act 51 Asset Management reporting requirements.

Information on training for filling out the IRT (including on-line materials) can be found at: <http://www.mdot.state.mi.us/ADARS/Training>

The due date for creating and resubmitting your report is (month) 15, after which the (Act 51 Agency) will continue to be in non-compliance and future disbursements of MIF will be withheld.

Please let me know if you have any questions.

Thank you.

Lee Cole, Financial Specialist
MDOT, Financial Operations Division
(317) 335-2556

Cc: Roger Belknap
Dave Jensen
Gay Taylor

- ✓ Integration of Investment Reporting Tool (IRT) and Act 51 Reporting (ADARS)
- ✓ MDOT performing compliance reviews
- ✓ Standardizing Asset Management within MDOT communication
 - ❖ Typically 3 categories of non-compliance
 - ❖ Customer Support
- ✓ Roadsoft Compatible



What is Compliance??

1. Reporting Completed Road & Bridge Projects in the TAMC Investment Reporting Tool
2. Updating Reporting Status
3. Adding Project Costs into the ADARS System
4. Submit ADARS Report to MDOT



Status

[New: Click here to view IRT Training Videos](#)

Status for: ▾

Data Completion Status

Reporting Year	Road Data	Bridge Data	HPMS Data
2016	Complete	Complete	Complete
2015	Complete	Complete	Complete
2014	Complete	Complete	Complete
2013	Complete	Complete	Complete
2012	Complete	Complete	Complete
2011	Complete	Complete	Complete
2010	Complete	Complete	Complete
2009	Complete	Complete	Complete
2008	Complete	Complete	Complete
2007	Complete	Complete	Complete
2006	Not Complete	Not Complete	Complete
2005	Not Complete	Not Complete	Complete

Road Investments

Treatment Year	Project Class	Miles
2007	SI	0.816
2008	SI	0.599
2009	SI	0.691
2010	MSI	0.121
2010	SI	1.248
2011	MSI	1.023
2012	MSI	1.193
2014	MSI	0.051
2015	MSI	0.087
2016	MSI	0.62



Name: Roger Belknap Jurisdiction: Genesee, Burton, Flint, Flushing, Grand Blanc

Logout

Investment Reporting ▾ Data Access ▾ Admin ▾

Search:
 Enter a document or meeting name.

Data

[New: Click here to view IRT Training Videos](#)

Road Bridge Send Get HPMS

Select or Right-Click a row to Edit or Delete that Treatment.

Add Edit Delete Save Cancel Export to Excel Project ID/Name: Search

Filters

Jurisdiction: Treatment Year: Project Classification: Improvement Type:

1 10

Date Open to Traffic: 10/20/2015 Multi-Year Plan: No
Project Classification: MSI Life Expectancy in Years: 15
Improvement Type: Multiple Course HMA Overlay on Composite Pavement
Surface Type After Treatment: Asphalt Project ID/Name: 1019

Comments:

Description:

Road Name	Treatment Length	# Lanes	PR Ref #	BMP	EMP	Ref. Length	Required HPMS
Minnesota Ave	0.075	2	1535507	0.593	0.518	0.075	No

Date Open to Traffic: 10/20/2015 Multi-Year Plan: No
Project Classification: MSI Life Expectancy in Years: 15
Improvement Type: Multiple Course HMA Overlay on Composite Pavement
Surface Type After Treatment: Asphalt Project ID/Name: 1009

Comments:

Description:

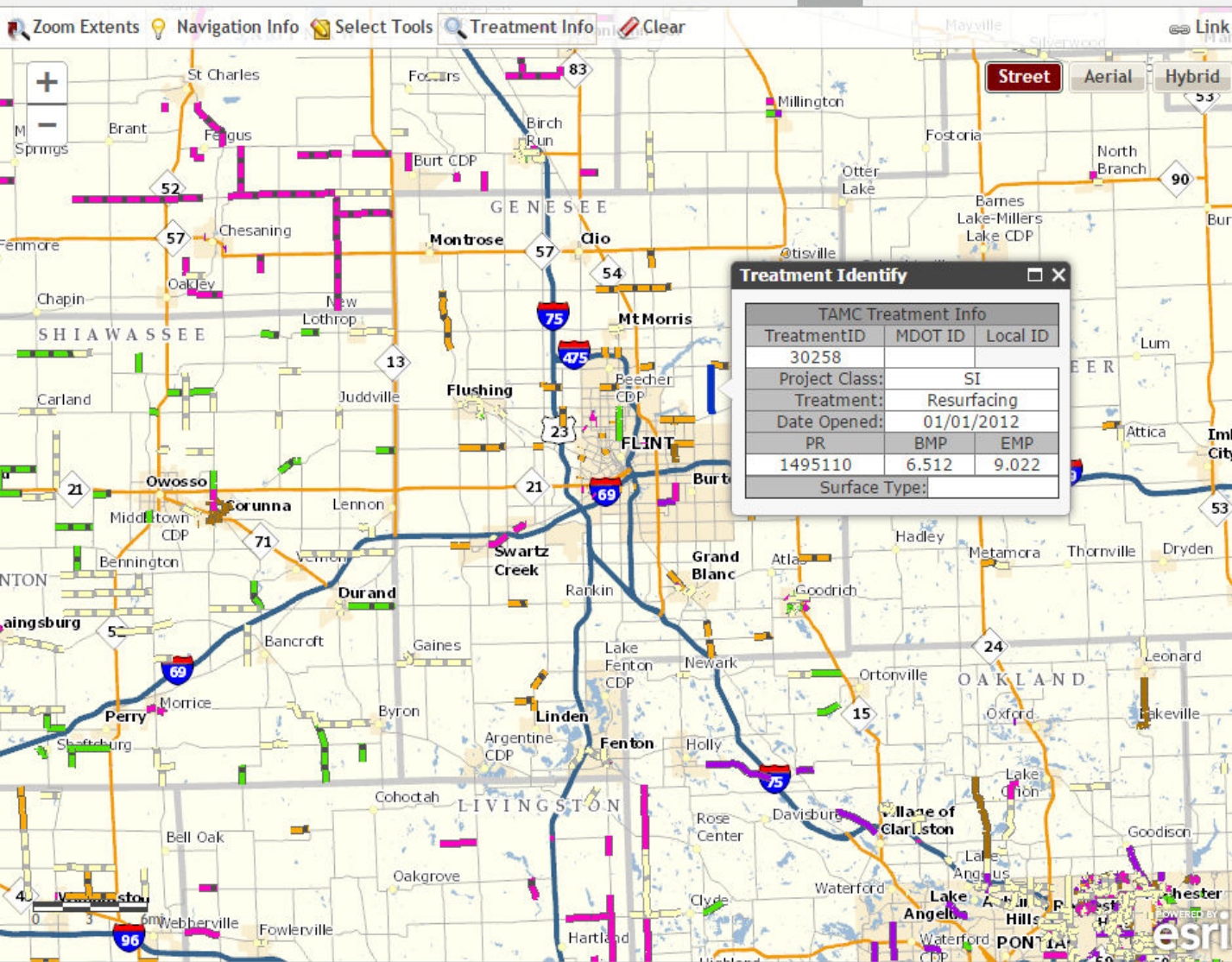
Road Name	Treatment Length	# Lanes	PR Ref #	BMP	EMP	Ref. Length	Required HPMS
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Layers

Toggle layer visibility by clicking the corresponding checkbox.

- TAMC
 - Planned
 - 2016
 - 2015
 - 2014
 - 2013
 - 2012
 - 2011
 - 2010
 - 2009
 - 2008
 - 2007
 - 2006
 - 2005
 - 2004 or Before
 - Non-Fed-Aid-TAMC
 - Fed-Aid-TAMC
 - Trunkline
 - Region
- Paser
- Bridges
- NFC
- HPMS Sample Segments



TAMC Treatment Info		
TreatmentID	MDOT ID	Local ID
30258		
Project Class:	SI	
Treatment:	Resurfacing	
Date Opened:	01/01/2012	
PR	BMP	EMP
1495110	6.512	9.022
Surface Type:		



Act 51 Reporting System ADARS



ASSET MANAGEMENT

No Data/Project Exist for the Reporting Period

The Total Project Cost is required for work completed to open the road to traffic during the fiscal year (i.e. no other work needs to be done for this project number).

Improvement Type: This will be the most significant for the project (i.e. multiple improvement type could be done for the project).

This page must be completed for fiscal years ending after September 30, 2014.

For more information about the Asset Management page please [click here](#).

Improvement Type	Project ID ↕	Total Project Cost	Date Open To Traffic	Pavement Type
Multiple Course Chip Seal	96-P00061 96-S00061	\$319,848.36	08/19/2015	Asphalt ▲
Multiple Course Chip Seal	97-P00062 97-S00062	\$120,973.43	08/19/2015	Asphalt
Multiple Course Chip Seal	98-P00063 98-S00063	\$152,642.65	08/19/2015	Asphalt
	87-W50558	\$202,418.00	08/15/2015	Asphalt
Single Course Micro-Surfacing	76-W50161	\$280,964.86	07/17/2015	Asphalt
Single Course Micro-Surfacing	67-W50162	\$190,176.40	07/10/2015	Asphalt
	78 W50146	\$311,137.28	11/26/2014	Concrete
Reconstruct Non Freeway	67 W50140	\$2,156,266.79	11/16/2014	Composite ▼





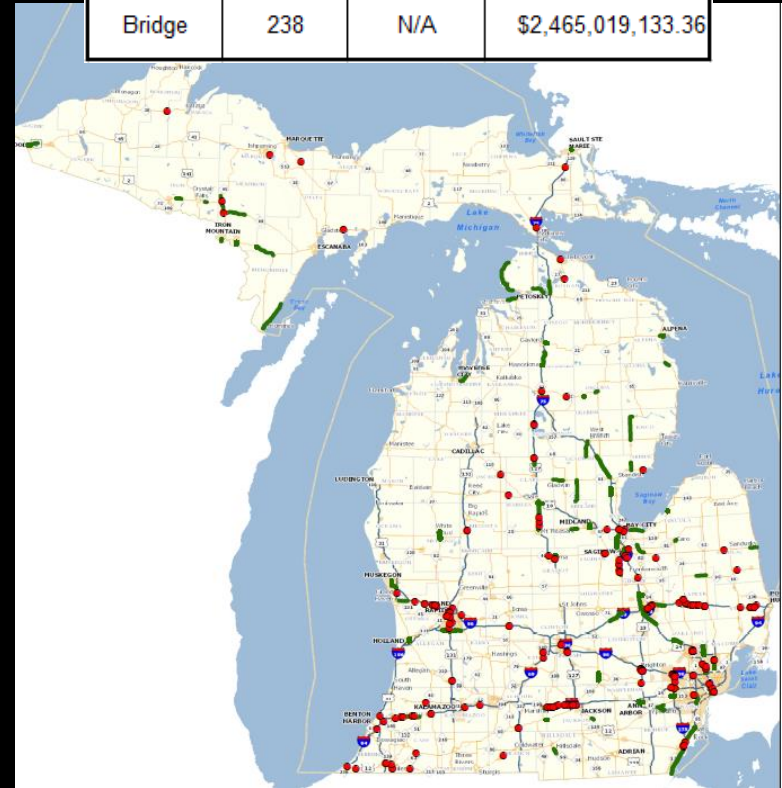
A Mountain of Data – So What?

Summary Stats from IRT Compliance Report as of 1/19/2017

CALENDAR Year	Project Status (Planned or Completed)	Road Miles of All Projects	Road Miles (SI)	Road Miles (CPM)	Total Number of Agencies with Projects
2019	Planned	142.0	73.1	68.9	20
2018	Planned	368.0	154.4	213.6	54
2017	Planned	599.7	257.9	341.7	73
2017	Completed	59.3	53.1	6.2	10
2016	Planned	1084.9	263.3	819.5	73
2016	Completed	1437.5	434.2	1003.2	124
2015	Completed	5234.0	1694.1	3539.9	258
2014	Completed	2930.4	948.1	1977.2	153
2013	Completed	3172.6	927.0	2230.1	128

Preliminary MDOT 2016 IRT Data Summary
(12/6/2016)

Project Type	Number of Projects	Centerline Miles	Cost of Projects
Road	60	572.5	\$246,810,736.86
Bridge	238	N/A	\$2,465,019,133.36



FISCAL YEAR - ADARS Stats from AM Report in ADARS

Reporting Year	Number Projects	Total Cost
2016 Reporting Year	408	\$85,142,594.48
2015 Reporting Year	3147	\$575,534,608.18



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Response to PA 499 of 2002

*All public roads in Michigan will be managed
using the principles of Asset Management*

— Public Act 499



- IRT Developed for all agencies to comply with Act 499 of 2002
- Reporting of Conditions AND Investments by Act 51 Agencies to Michigan State Transportation Commission & Legislature
 - 42,345 projects reported since IRT was developed
 - 23,000 miles of Preservation Projects
 - 18,000 miles of Reconstruct & Heavy Rehab
 - 1,461 bridge projects
- Future: Data Driven Decisions & Quantifying Performance in a Learning Environment



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**Questions?
Observations?**



Rog Belknap, TAMC Coordinator
belknapr@michigan.gov
(517) 230-8192

www.michigan.gov/tamc