

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



Michigan
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Management Council

Announcements

- **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



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Michigan's Road System

❖ *Michigan – A Home Rule State*

- 83 Counties
- 533 Cities and Villages
- 1,240 Townships
- MDOT
- 14 Planning Regions
- 15 Metro Planning Agencies
- Consultants & Contractors
- 617 Road-Owning Agencies
 - 122,000+ miles of public roads
 - 11,000+ public bridges





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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



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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



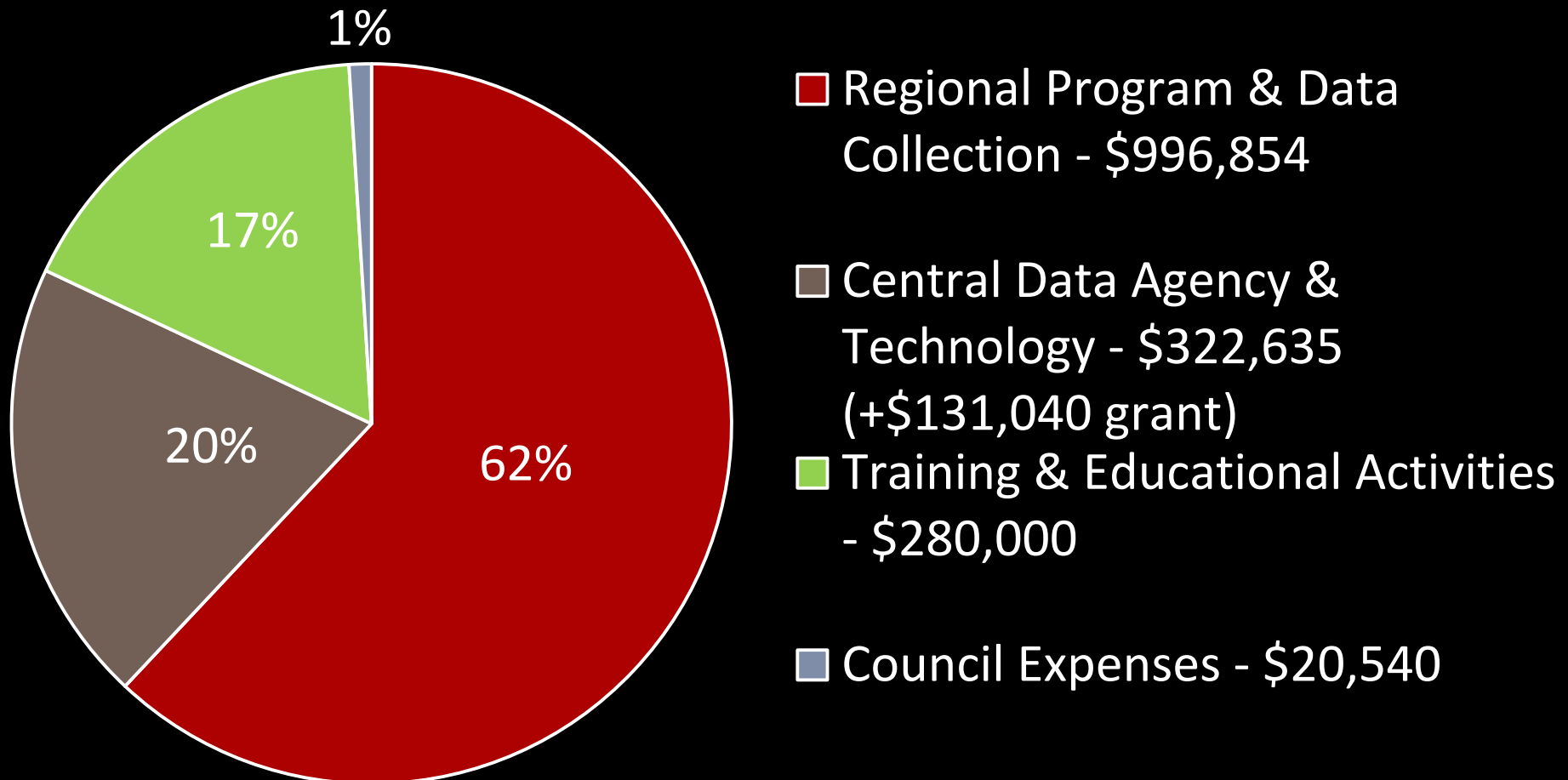
- ✓ Data Collection & Annual Reporting of Roads/Bridges
- ✓ Act 51 Reports & Investment Reporting mechanisms now linked
 - 100% compliance with counties
 - 323 cities & villages in compliance
- ✓ Training Program Highlights ('14-'16):
 - 54 on-site events
 - 2,372 Participants
 - Avg. 45 participants/event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



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Budget Overview

FY2017 - \$1,626,400





✓ Continue Tenets of TAMC Program

- Data Collection & Reporting
- Training & Educational Programs

\$250,000 Funding
Increase Requested

✓ 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



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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

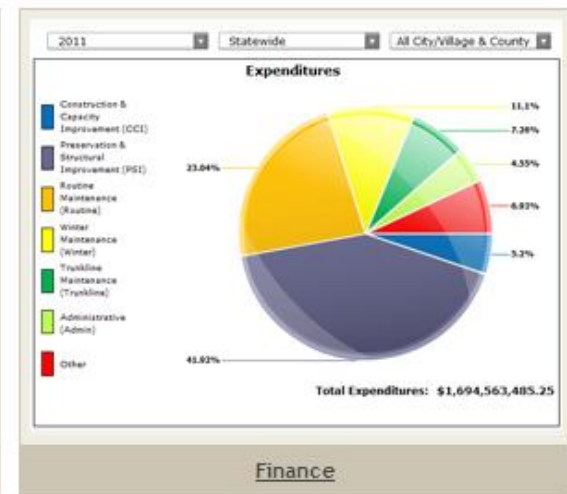
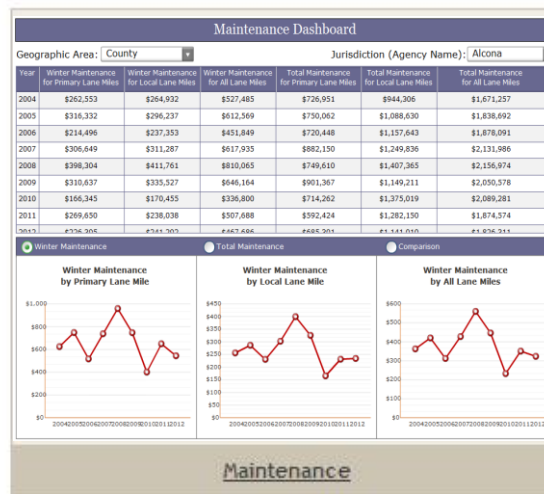
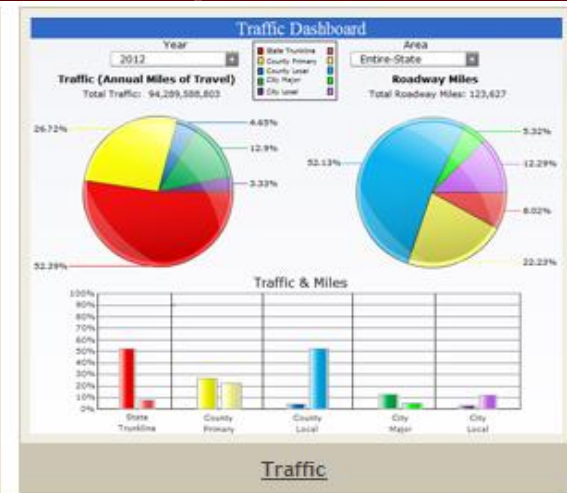
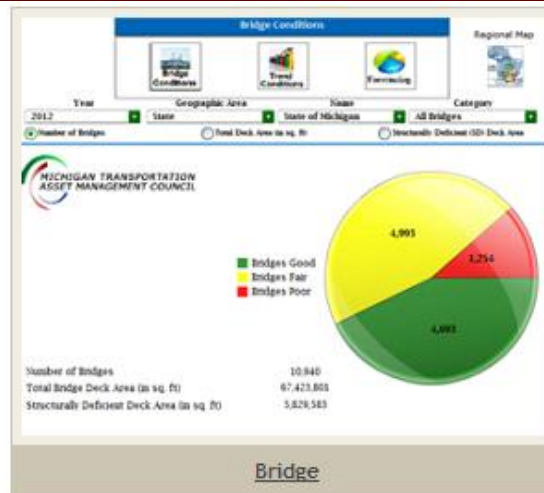
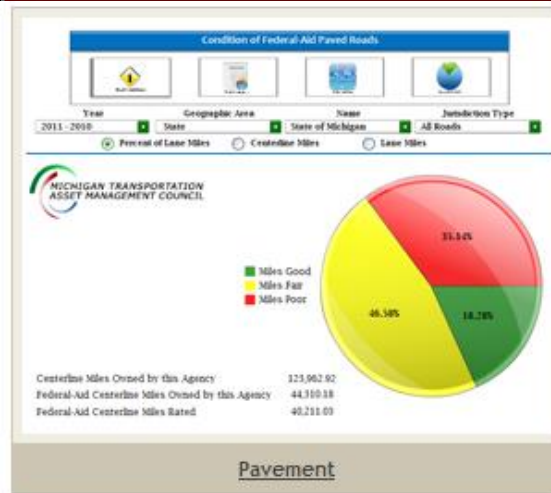


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The Official State
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Subscribe to TAMC Updates Login



www.michigan.gov/tamc

Michigan's Interactive PASER Maps



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Search: Enter a document or meeting name.

Print Navigation Info

Street Aerial Hybrid

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

search address, city, zip, and more

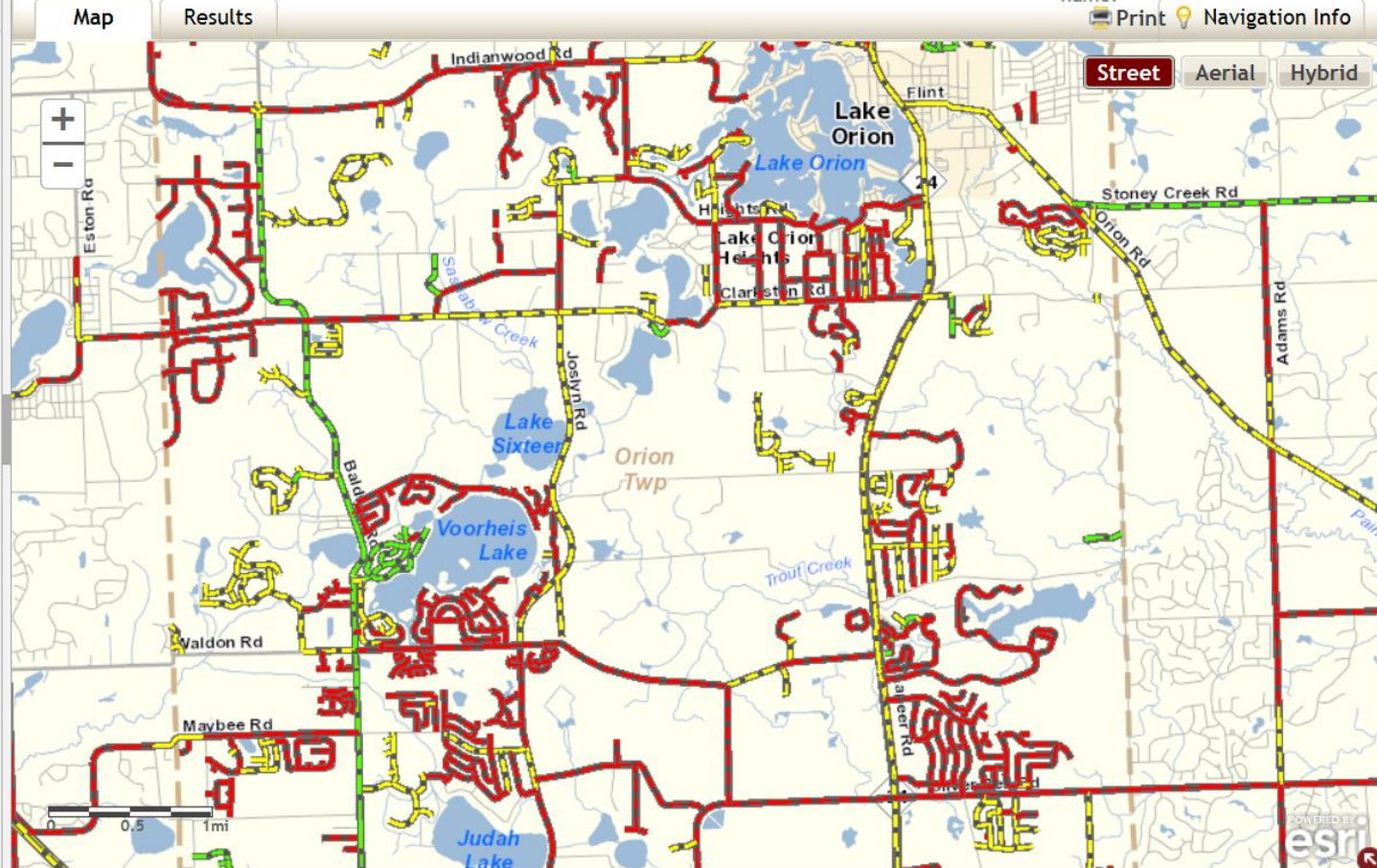


Legend

PASER - Road Condition

Most Current:

- Poor
- Fair
- Good



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www.michigan.gov/tamc



GENESEE COUNTY METROPOLITAN
PLANNING COMMISSION

- 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

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PAVEMENT
CONDITIONS

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TRAFFIC
COUNTS

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2016 ANNUAL
LISTING OF PROJECTS

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Reporting Conditions



Your Data Available Online:

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

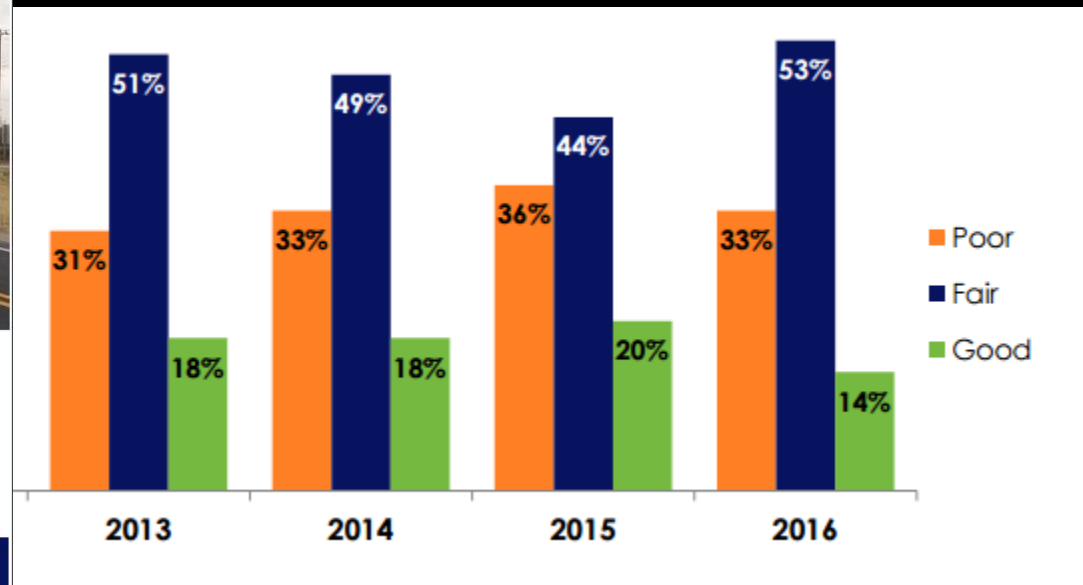
2016 PASER Survey
of Genesee County

GCMPC
GENESEE COUNTY METROPOLITAN
PLANNING COMMISSION



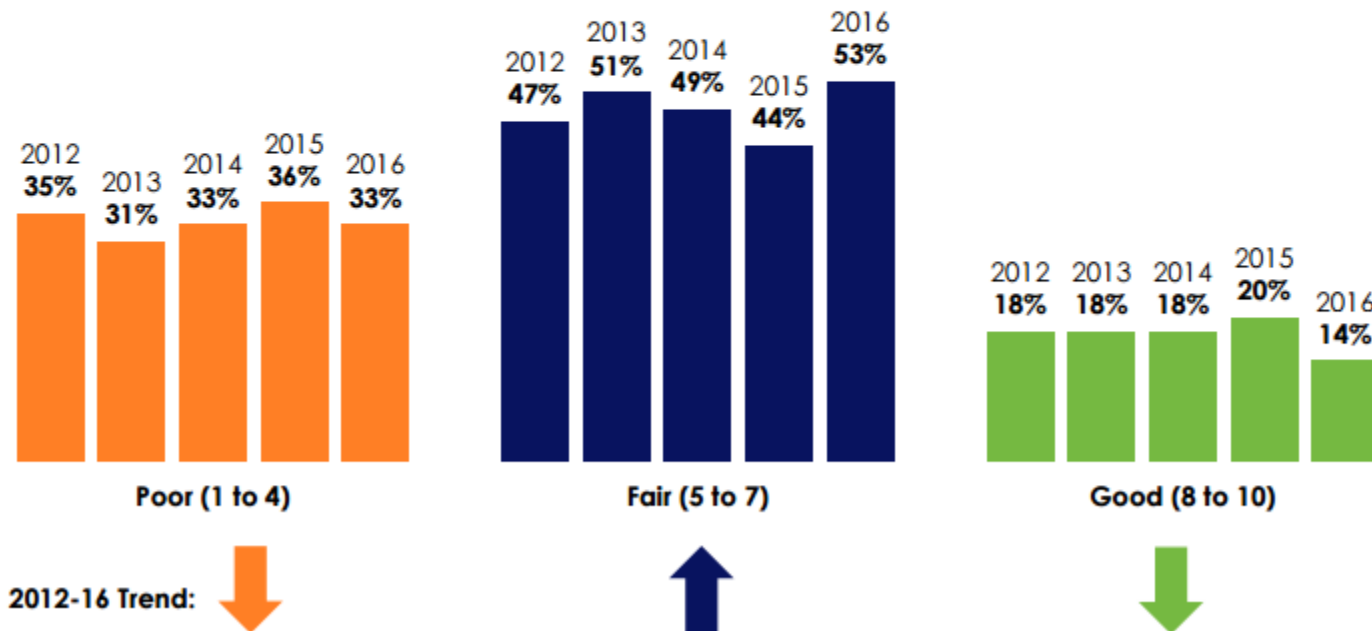
Prepared by the Genesee County Metropolitan Planning Commission
www.gcmnpc.org | October 2016



Reporting Conditions

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 of Michigan
DEPARTMENT OF TRANSPORTATION
LANDING**
(Date)

RICK GUTTORF
DIRECTOR

MIKE T. STECKLE
DIRECTOR

Dear Street Administrator:

The (Act 51 Agency) is in noncompliance 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 247.636a(7).

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 (sometime 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 for the Reporting Period" is still valid and you may resubmit your ADARS Report.

Please contact Roger Balknap, TAMC Coordinator, at (517) 373-2249, or rbalknap@mdot.state.mi.us if you have 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 tutorials) can be found at: <http://tamp.michigan.gov/act51/tamc/tutorials>

The due date for correcting and resubmitting your report is (month) 15, after which the (Act 51 Agency) will continue to be in noncompliance and future disbursements of MTF will be withheld.

Please let me know if you have any questions.

Thank you.

Lori Cole, Financial Specialist
MDOT, Financial Operations Division
(517) 335-2556

Cc: Roger Balknap
Dave Bennett
Gay Taylor

MURRAY D. VAN WORMER BUILDING • P.O. BOX 30000 • LANSING, MICHIGAN 48209
WWW.MICHIGAN.GOV • (517) 373-2000

LANSING OFFICE

- ✓ 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



Transportation Asset Management Council

MI Transportation Reporting Portal

Michigan.gov

The Official State
of Michigan Website

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

Logout

Investment Reporting ▾ Data Access ▾ Admin ▾

Search:
Enter a document or meeting name.

Status

Status for: Grand Blanc ▾

Update Finished

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

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:

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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Transportation Asset Management Council

MI Transportation Reporting Portal

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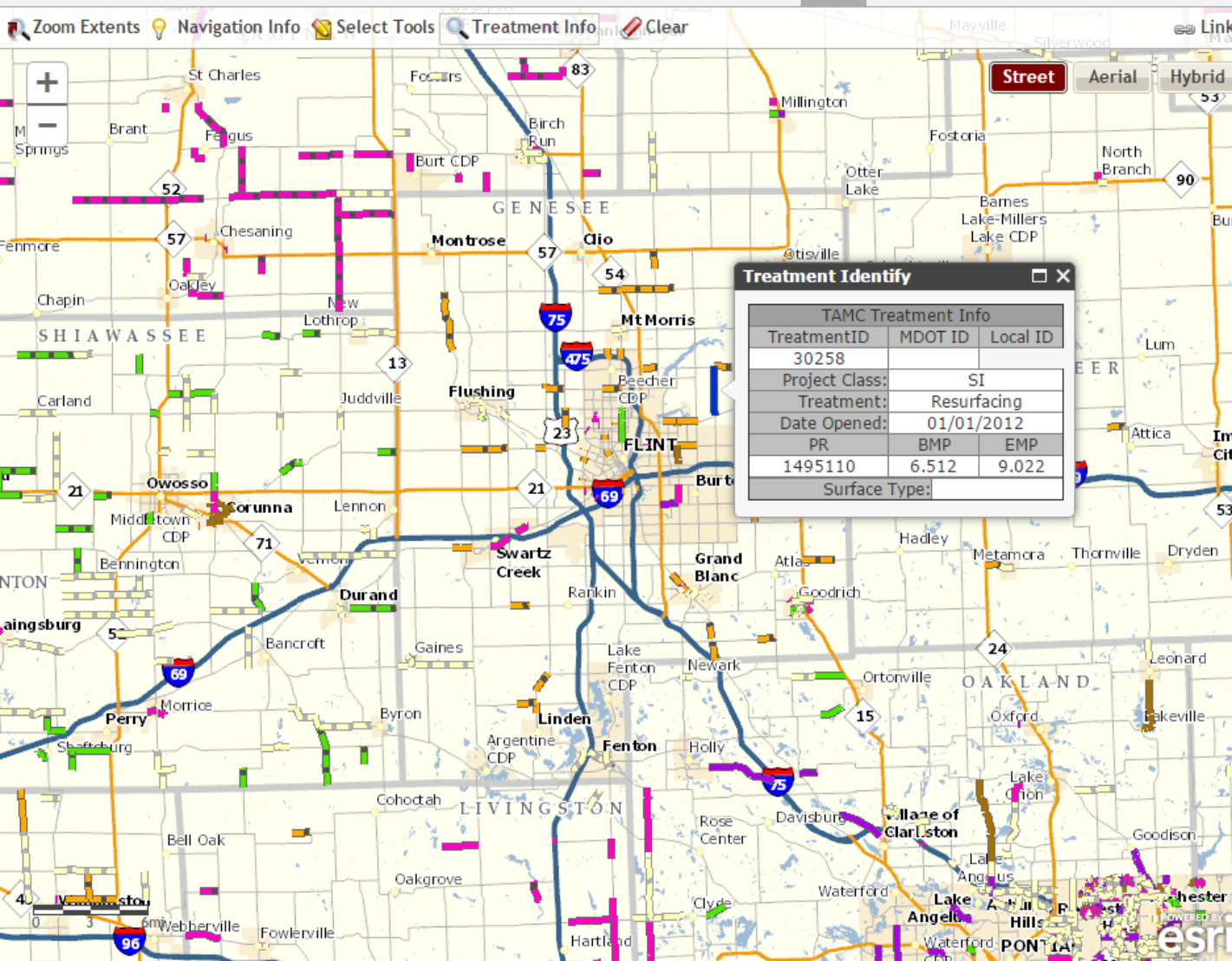
The Official State of Michigan Website

Logout

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

Investment Reporting ▾ Data Access ▾ Admin ▾

Search:
Enter a document or meeting name.



address, city, zip, and more

Road Data Bridge Data Map Tools

Region Jurisdictions:
Genesee ▾

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

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Act 51 Reporting System ADARS



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Notices | **Report Status** | **Report Contact** | **Verify/Submit Report** | **Change Agency FY** | **Approve Reject Report** | **County: Genesee** | **FY End: 09/30/15**

◀ | **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	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	▼

◀ | | ▶



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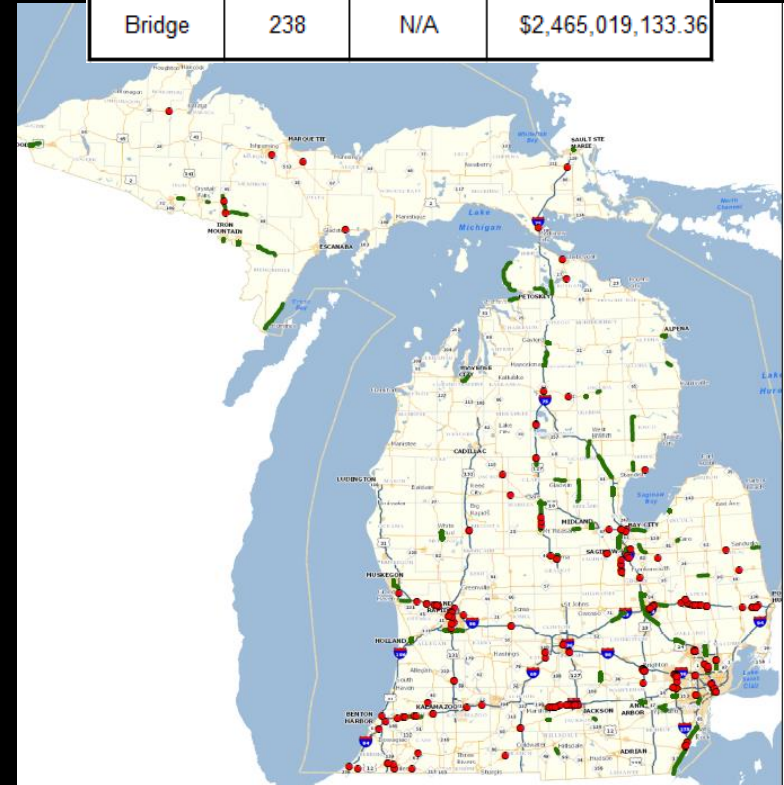
A Mountain of Data – So What?

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



Michigan
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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

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