

Jackson County 2018 Traffic Summit



MDOT University Region Contact Information

Jackson Transportation Service Center (JTSC)

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(517) 780-7540

Kelby Wallace, P.E. – Manager
Sam Sorensen, P.E. – Delivery Engineer
Jason Pittman, P.E. – Cost and Scheduling Engineer
Jason Fossitt, P.E. – Operations Engineer
Scott Geiger – Maintenance Superintendent
Doug Jordan – Permits Agent
Roslyn Hagood – Traffic and Safety Engineer

**Serving Hillsdale, Jackson, and Lenawee
Counties**

University Region Office

4701 W. Michigan Avenue
Jackson, MI 49201
(517) 750-0401

Paul Ajegba, P.E. – Region Engineer

Jeff Reid, P.E. - Associate Region Engineer of
Development

Steve Palmer, P.E. – Associate Region Engineer of
Delivery

**Serving Clinton, Eaton, Hillsdale, Ingham,
Jackson, Lenawee, Livingston, Monroe,
and Washtenaw Counties**



Agenda

Jackson County Traffic Summit – Blackman Township Hall
November 1, 2017, 1:00 p.m.

- I. Welcome
 - Kelby Wallace, TSC Manager
 - **Introductions**
 - **Purpose of Meeting**
 - **Revenue and Pavement Strategy**
 - Stephanie Palmer, University Region Operations Engineer
 - **Towards Zero Deaths (TZD)**
 - Steve Shaughnessy, MDOT Safety Programs
 - **Local Safety Funds**
- II. Review of 2017 Construction Season
 - Sam Sorensen, Delivery Engineer
 - **MDOT Projects**
 - **MDOT News release e-mails**
 - Local Agency Representatives
 - **Local Agency Projects**
- III. Preview of 2018 Construction Season
 - Jason Pittman, Cost and Scheduling Engineer
 - **MDOT Projects**
 - Local Agency Representatives
 - **Local Agency Projects**
- IV. JCDOT 2017-2018 Construction
 - Angela Kline, Director of Engineering
- V. Region 2 Planning Commission Update
- VI. Open Discussion
 - Kelby Wallace, TSC Manager

Legislature Revenue Enhancement

Fuel Taxes & Vehicle Registration

- 2017 to 2021
 - Gasoline = \$0.263/gallon
 - Diesel = \$0.263/gallon,
 - Avg. Registration = \$120 (20% increase)
- 2022 and beyond
 - \$0.263/gallon plus start inflation index increase

Legislature Revenue Enhancement

	Add'l Estimated Pump and Registration Revenue	Proposed Additional General Fund Contribution	Total Estimated Additional Revenue
2017	\$465 million	\$0	\$465 million
2018	\$600 million	\$0	\$600 million
2019	\$600 million	\$150 million	\$750 million
2020	\$600 million	\$325 million	\$925 million
2021	\$600 million	\$600 million	\$1.20 billion
2022	\$600 million + inflation index	\$600 million	\$1.20 billion

Estimated Add'l Funding Splits Per Act 51

	MDOT (40%)	Counties (40%)	Cities (20%)
2017	\$186 M	\$186 M	\$93 M
2018	\$240 M	\$240 M	\$120 M
2019	\$300 M	\$300 M	\$150 M
2020	\$370 M	\$370 M	\$185 M
2021	\$480 M	\$480 M	\$240 M
2022	\$480 M	\$480 M	\$240 M

MDOT Strategic Direction

FHWA Performance Measures

- 95% of Interstate Freeway pavements in good/fair condition

MDOT University Region Long Term Strategy (Includes all 9 counties)

Major Road Projects

• **\$140M**

Capital Preventative Maintenance

• **\$19M**

Bridge Projects

• **\$50M**

Low Volume Resurfacing

• **\$5M**

Corridor Approach

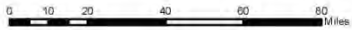
• **I-94**
• **I-75**

Four Tiers of Stratification




Tier Designation

-  Interstates
-  Non Interstate Freeways
-  Non-Freeway NHS
-  Non NHS



Statewide Long Term Trunkline Pavement Condition Forecast

- 
- Currently about 75% good/fair
 - Previous funding scenario
 - 30% of pavements statewide in good/fair condition
 - With additional revenue
 - 40% of pavements statewide in good/fair condition

Toward Zero Deaths (TZD): a National Strategy on Highway Safety

Michigan Department of Transportation
University Region

MDOT's 2010 Strategic Plan adopted the focus:
“Move Michigan Toward Zero Deaths...”



MICHIGAN DEPARTMENT OF TRANSPORTATION

Strategic Areas of Focus

Leadership
Align the organization to carry out the MDOT mission, achieve the vision and demonstrate the values.

Strategies

- Establish clear, measurable and aligned performance goals and desired outcomes across the organization.
- Regularly evaluate organizational performance.

Safety
Move Michigan toward zero deaths through the incorporation of safety in all our transportation efforts.

Strategies

- Foster communication, coordination and collaboration with our public and private safety partners to achieve the goal.
- Prioritize MDOT safety investments toward those with the highest probability to move us toward the goal of zero deaths.



Toward Zero Deaths[™]
National Strategy on Highway Safety

What should our goal be?

http://www.michigan.gov/mdot/0,4616,7-151-9615_11261_45350-308369--,00.html

<https://www.youtube.com/watch?v=odKDsbjKWps>

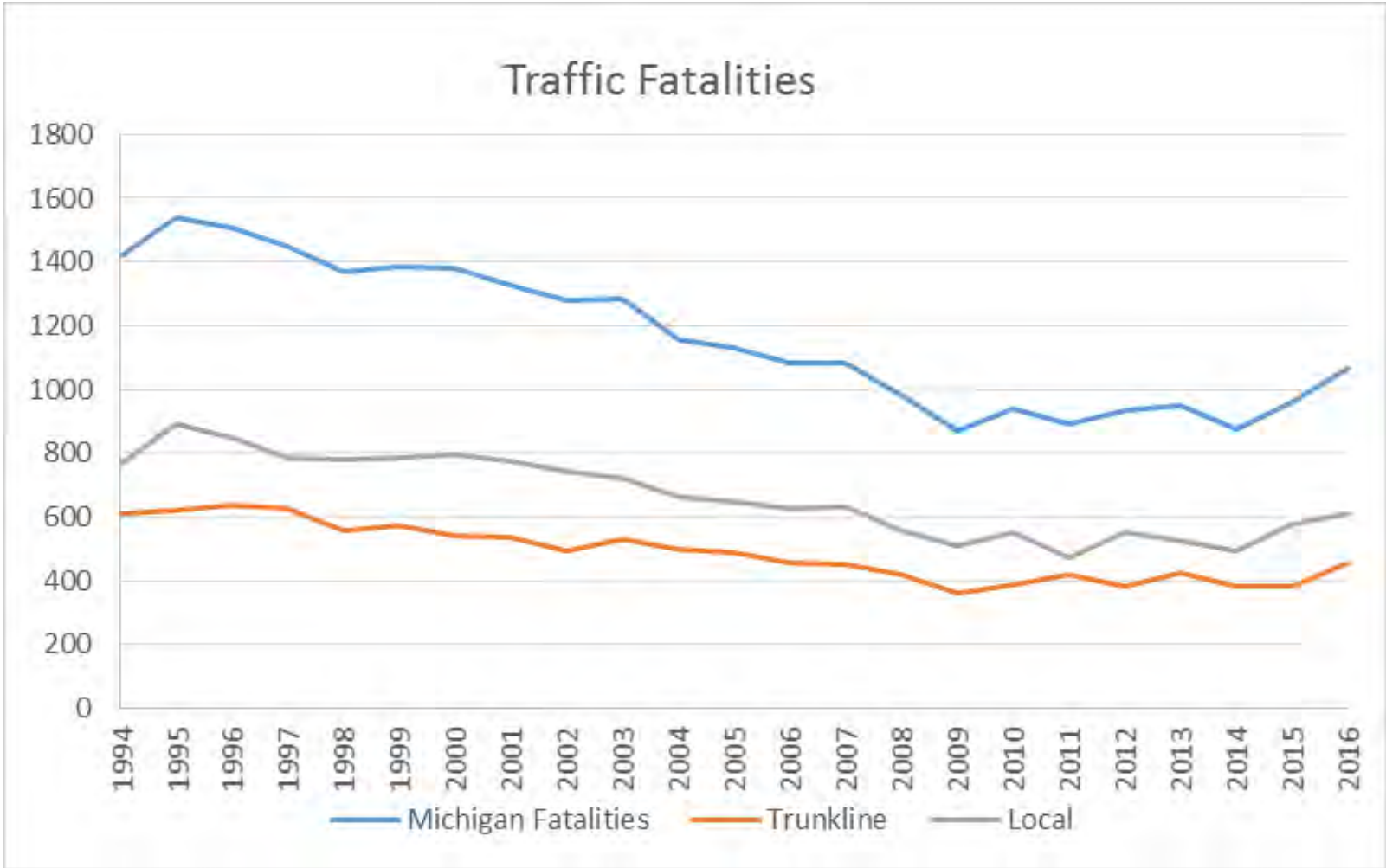
Source: UMTRI



What is our Michigan Goal?

- In 2012, Michigan's Statewide Goal was revised to reduce traffic fatalities and serious injuries from:
 - 889 (K) and 5,706 (A) in 2011
 - 750 (K) and 4,800 (A) in 2016

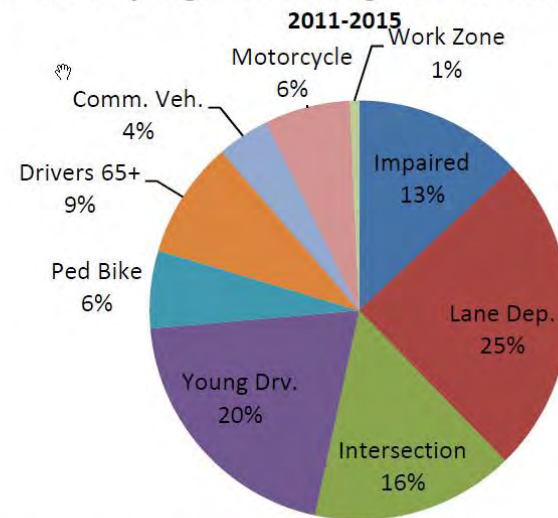




University Region's focus areas

- Lane departure crashes
- Intersection crashes
- Ped/Bike crashes

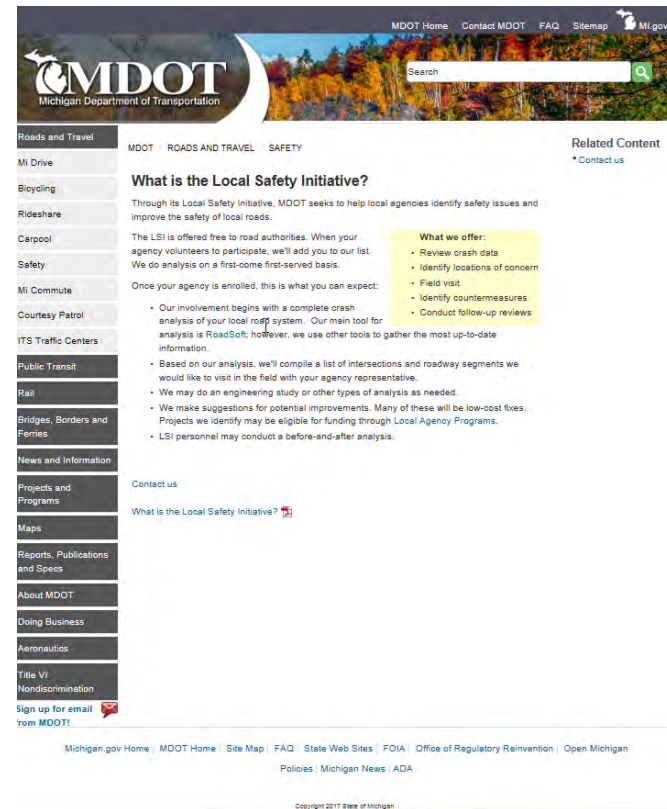
University Region Percentage Fatalities & A Injuries



Crashes can be in multiple emphasis areas

Local Agency Assistance

- MDOT's Local Safety Initiative (LSI) Program
 - Free program to local agencies
 - MDOT helps analyze crashes
 - MDOT suggests countermeasures
- MDOT's Local Agency Safety Program
 - Highway Safety Improvement Program
 - High Risk Rural Roads Program




The screenshot shows the MDOT website page for the Local Safety Initiative (LSI). The page features a navigation menu on the left with categories like Roads and Travel, Mi Drive, Bicycling, Rideshare, Carpool, Safety, Mi Commute, Courtesy Patrol, ITS Traffic Centers, Public Transit, Rail, Bridges, Borders and Ferries, News and Information, Projects and Programs, Maps, Reports, Publications and Specs, About MDOT, Doing Business, Aeronautics, Title VI, and Nondiscrimination. The main content area is titled "What is the Local Safety Initiative?" and provides a detailed overview of the program, including its purpose, how it works, and the services offered. A search bar is visible at the top right, and a "Contact us" link is located at the bottom right of the main content area. The footer contains various links and copyright information.

Outreach

- Educational materials are available for distribution
 - Fact sheet
 - Postcards
 - Various other materials

SAFETY FACT SHEET

Together we are Moving Michigan



What is Toward Zero Deaths?


Toward Zero Deaths (TZD) is a statewide safety campaign based on the national strategy on highway safety intended to influence driver behavior and improve safety. With more than 35,000 fatalities occurring on U.S. highways each year, roadway safety remains one of the most challenging issues facing Michigan, and the nation.

Most fatal crashes occurred on dry roadways (75.6 percent) and in clear weather conditions (61.7 percent)

The number one cause of accidental deaths for children ages 0-15 in Michigan is motor vehicle crashes.

68.2 percent of pedestrians killed in 2014 were male, most pedestrian crashes occur between 6 and 7 p.m., and Saturday is the deadliest day of the week for pedestrians.


In 2014, 72.9 percent of drinking drivers involved in crashes were male, most fatal had been drinking (HBD) crashes occur between 2 and 3 a.m., and Saturday has the highest number of HBD fatal crashes.



Single-lane roundabouts in Michigan not only reduce fatal and incapacitating crashes by 66 percent, but they also provide an economic benefit of almost \$600,000 per year per roundabout, based on crash reduction and user cost delay.

Double lane roundabouts increase the economic benefit to more than \$1.5 million per year per roundabout.


Crashes on curved roadways account for more than 25 percent of all traffic deaths every year. In an effort to reduce crashes on curved roadways, road agencies install a variety of countermeasures to keep your vehicle on the road.



Contrastive Roadable Strips
55 percent reduction in lane departures



Curve Delineation
Reduction in crashes by 20 percent



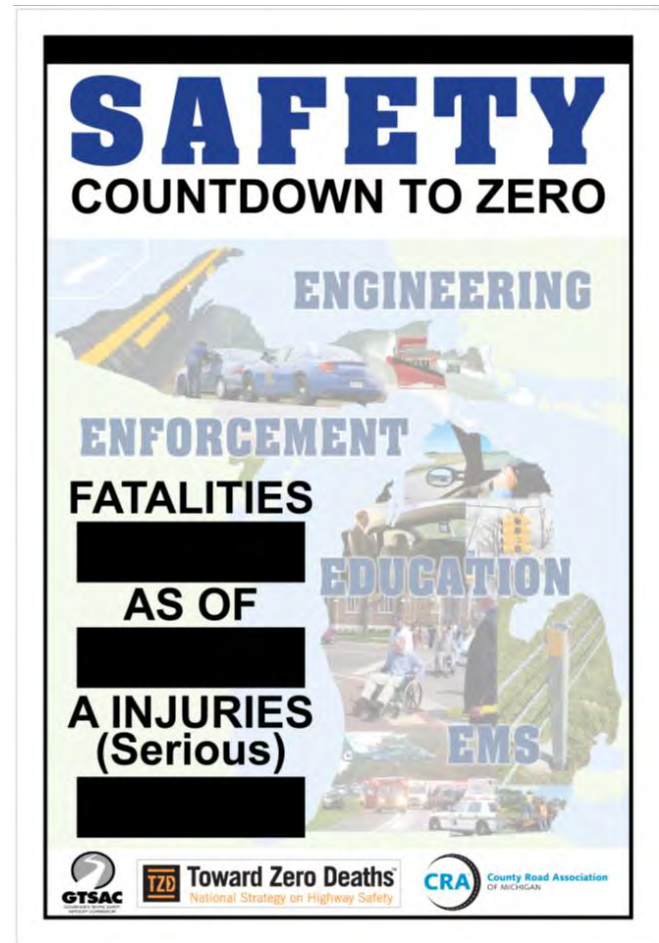
Speed Warning System
Almost 50 percent reduction in crashes



High-Friction Surfaces
35 percent fewer wet roadway crashes

Outreach

- MDOT posts the fatality and serious injury statistics on freeway messages signs and in every office
- Statewide goal to have a Countdown To Zero poster in each county road commission





Toward Zero Deaths™
National Strategy on Highway Safety



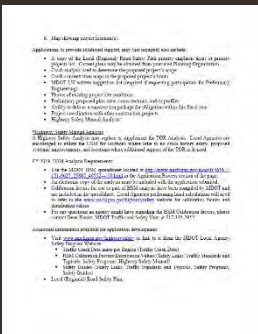
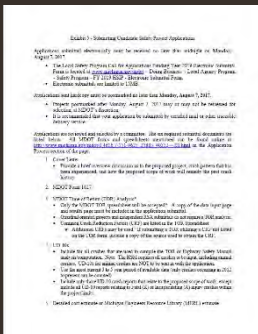
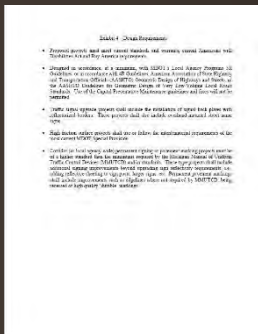
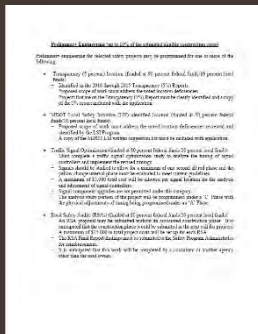
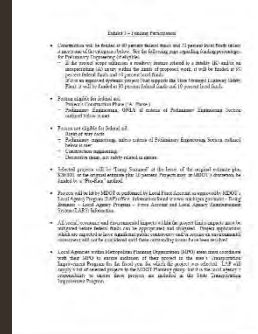
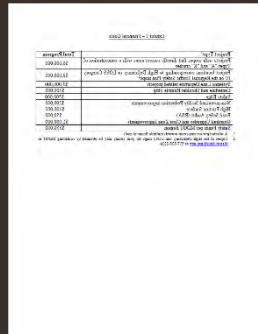
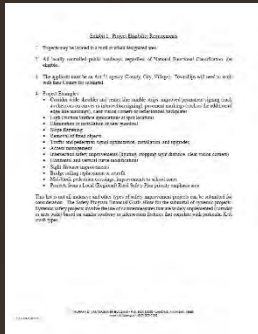
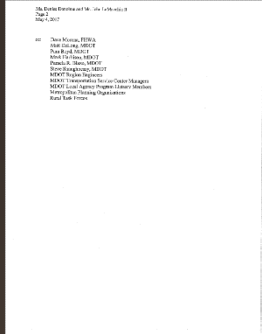
Local Agency Programs

Pamela R. Blazo, P.E.
MDOT LAP Safety Engineer
517-335-2224
blazop@Michigan.gov

Local Safety Money



Call for Projects Letter



6 Required Documents

Cover Letter

Location Map

Form 1627

Cost Estimate

Time of Return (TOR) and/or Highway Safety Manual (HSM) analysis


UD-10s (crash reports)

Finding Potential Project Locations

Local (Regional) Traffic Safety Plan

Highway Safety Manual Network Screening Maps

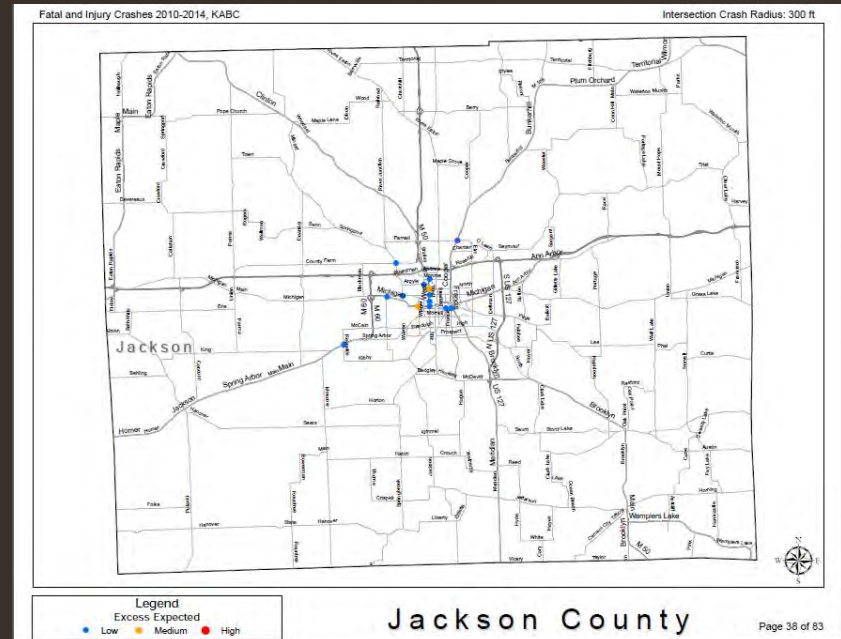

**Moving Towards Zero Deaths on
Region 2 Local Roads
2017 Regional Transportation Safety Plan**



Region 2
Planning Commission

MDOT
Michigan Department of Transportation

August 2017
www.opusinternational.com



Regional Transportation Safety Plan

➤ Top Local Road Locations for each Emphasis Area (Appendix B)

➤ County specific summary (Appendix D)

B-3

Non-Motorized (pedestrians, bicyclists, carriages)

Location Type	County	Road(s)	Extent	5-year K & A
Seg	Hillsdale	Montgomery Rd	East of Galmore Rd	1
Seg	Hillsdale	Hillsdale Rd	Reading Rd to Reynolds Rd	1
Seg	Hillsdale	Homer Rd	Maumee St to Blackmer Dr	1
Seg	Hillsdale	Knowles Rd	Sterling Rd to Addison Rd	1
Seg	Jackson	Brown Rd	Clinton Rd to Sibley Rd	1
Seg	Jackson	Michigan Ave	West Court St to I-94 Interchange	2
Seg	Jackson	Sears Rd	Bowerman Rd to Moscow Rd	1
Seg	Jackson	Wisner St	Monroe St to Argyle St	1
Seg	Jackson	Brown St	Michigan Ave to Wildwood Ave	1
Seg	Lenawee	Main St	Slee Rd to Wimple Rd	1
Int	Lenawee	Church St & Ann St	-	1
Seg	Lenawee	Sutton Rd	Raisin Center Hwy to Oakridge Dr	1
Int	Jackson	Edward Ave & Wildwood Ave	-	2

Single Vehicle Crashes (run-off-road crashes)

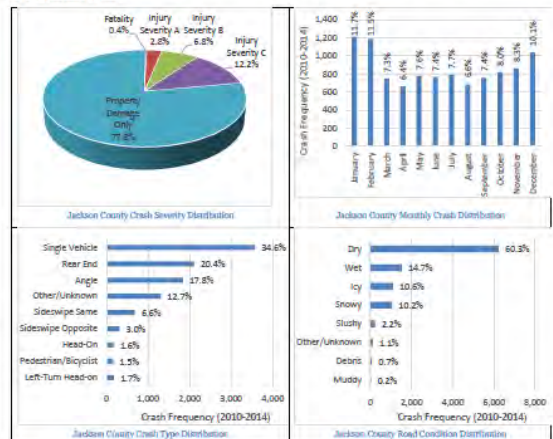
Location Type	County	Road(s)	Extent	5-year K & A
Seg	Hillsdale	Hillsdale Rd	Bear Lake Rd to Card Rd	2
Seg	Hillsdale	Adams Rd	West of Lake Pleasant Rd	2
Seg	Jackson	Bowerman Rd	Cochran Rd to Tripp Rd	2
Seg	Jackson	Chapel Rd	Michigan Ave to Idaho Ln	2
Seg	Jackson	Michigan Ave	Chapel Rd to Dearing Rd	2
Seg	Jackson	Dearing Rd	Michigan Ave to McCain Rd	2
Seg	Jackson	Page Ave	Russell St to Ann St	2
Seg	Jackson	Wolf Lake Rd	Page Ave to Burgett Ln	2
Seg	Lenawee	Valley Rd	Black Hwy to Occidental Hwy	2
Seg	Lenawee	Stearns Hwy	Kingsbury Rd to Deerfield Rd	2

D-1

Appendix D – Non-Trunkline County Summaries (2010-2014)

Jackson County Summary

Jackson County experienced more than half (10,324 of 17,351) of the crashes reported on Region 2 Non-Trunkline roads during the analysis period. The summary statistics provided here mirror those for the region as a whole fairly closely. However, this county experienced a greater proportion of rear end, angle, and sideswipe same type crashes when compared to the region as a whole. The following figures would suggest that crashes in this county peak during the winter months, as supported by the monthly distribution and the significant portion occurring under icy, wet, or snowy road conditions. Additionally, single vehicle, rear end, and angle crashes account for roughly 73 percent of all crashes in the county on non-trunkline roads.

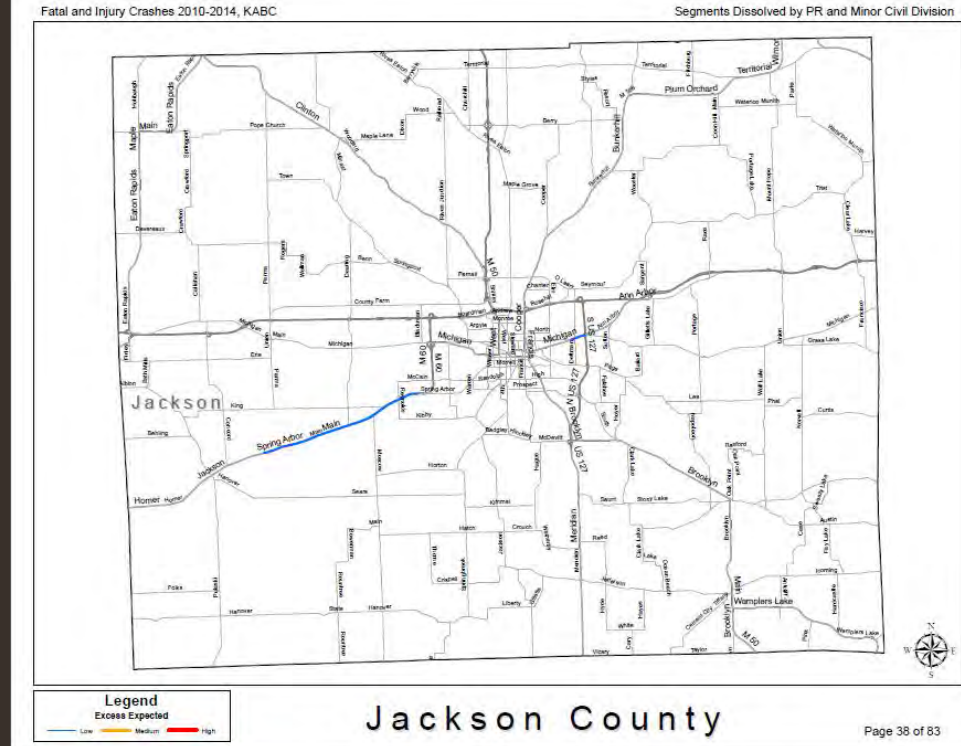
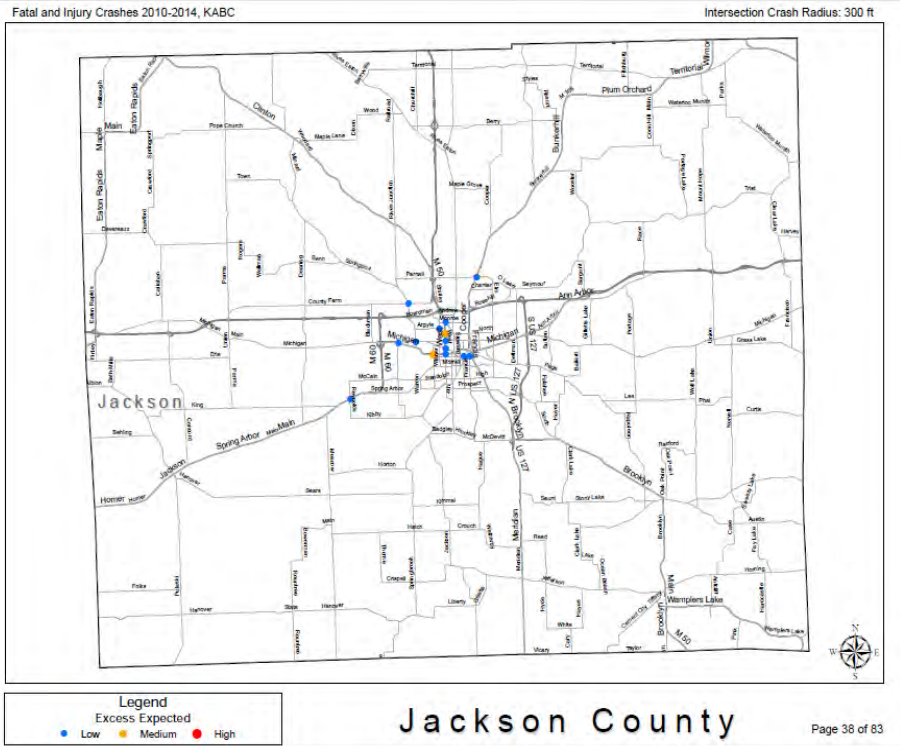


D-2

Location Type	Road(s)	Extent	5-year K & A
Int	Trail St & Blackstone St	-	3
Int	McCain Rd & Dearing Rd	-	2
Int	Morrell St & Wisner St	-	2
Int	Wesley St & Jackson St	-	2
Int	Lausing Ave & Blackstone St	-	2
Seg	W Michigan Ave	Chapel Rd to Dearing Rd	3
Seg	Hanover Rd	Moscow Rd to Reynolds Rd	3
Seg	Robinson Rd	Spring Arbor Rd to Dresden Dr	3
Seg	Wisner St	Monroe St to Argyle St	3
Seg	Wolf Lake Rd	Page Ave to Burgett Ln	3
Seg	Concord Rd	I-94 Interchange to Etie Rd	2
Seg	Michigan Ave	West Court St to I-94 Interchange	2
Seg	Michigan Ave	Hendershot Rd to Harrington Rd	2
Seg	Chapel Rd	Michigan Ave to Idaho Ln	2
Seg	Dearing Rd	Maci Blvd to I-94 Interchange	2
Seg	Michigan Ave	Dearing Rd to Sandstone Rd	2
Seg	Dearing Rd	Michigan Ave to McCain Rd	2
Seg	Bowerman Rd	Cochran Rd to Tripp Rd	2
Seg	Moscow Rd	Folks Rd to Buckman Rd	2
Seg	Bohne Rd	Kalmbach Rd to Sager Rd	2

HSM Network Screening Maps

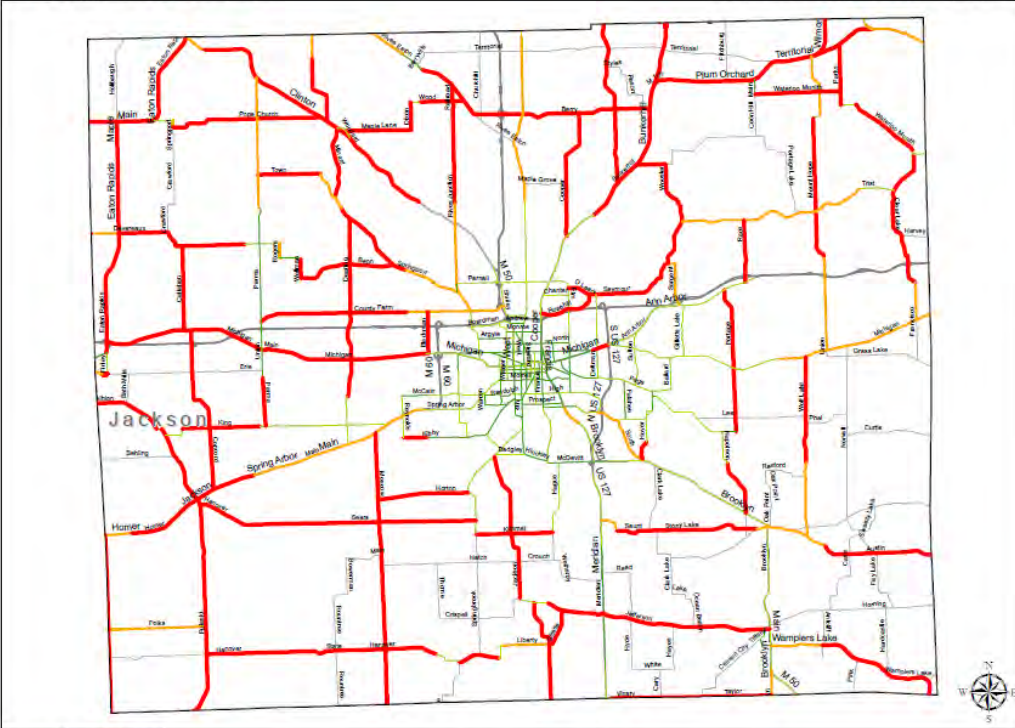
Excess Expected Crashes (Spot Treatments)



HSM Network Screening Maps

Fatal and Injury Crashes 2010-2014, KABC

Segments Dissolved by PR and Minor Civil Division



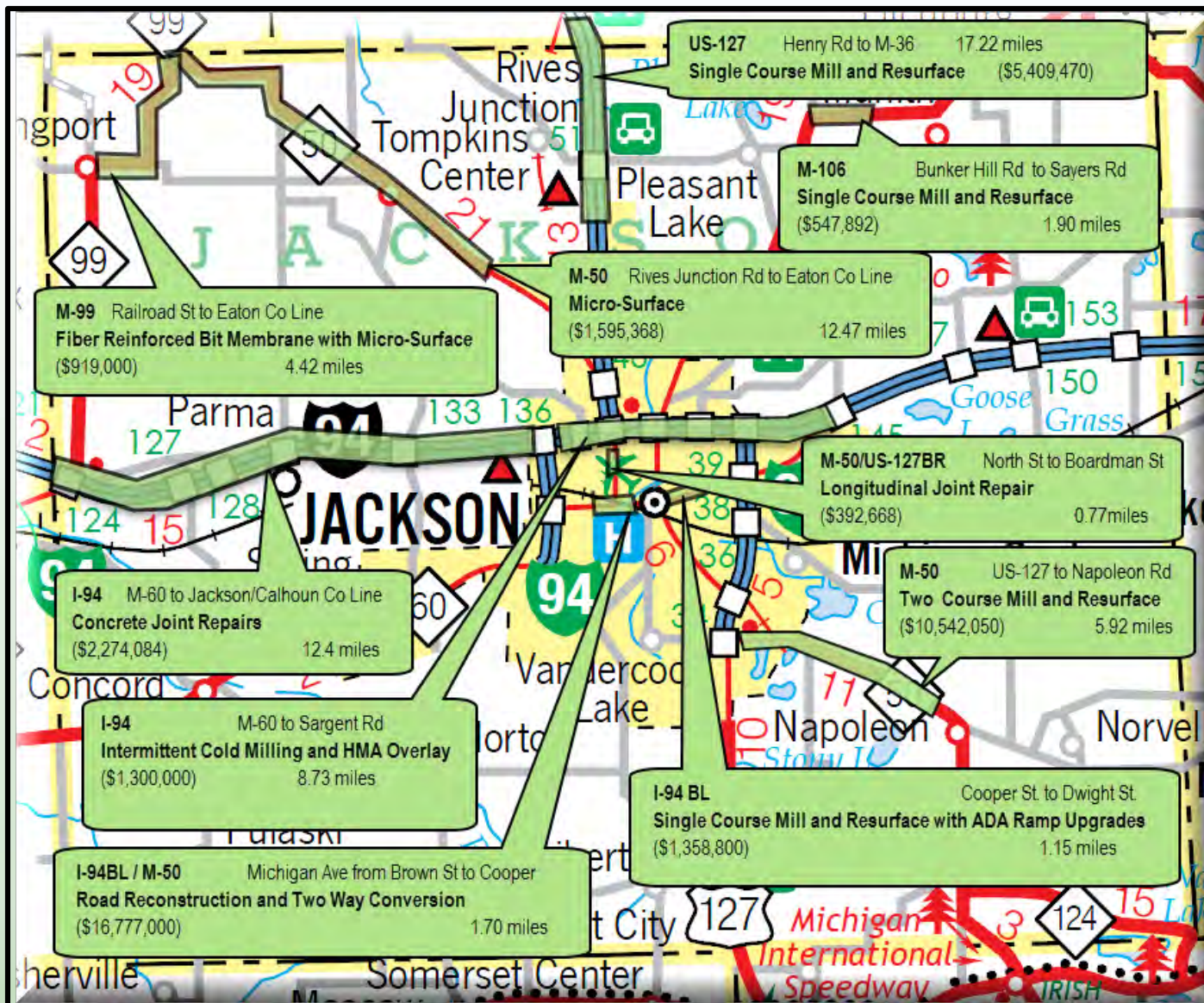
Level of Service Safety
I II III IV

Jackson County

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Level of Service Safety
(LOSS)
(Systemic Treatments)

MDOT 2017 Projects





**M-99 east of Springport
Fiber Mat with Micro-Surface**



Google







www.Michigan.gov/mdot

http://www.michigan.gov/mdot/ MDOT - Michigan Departm...

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News and Information

- U.S. Army TARDEC and MDOT continue partnering on advanced vehicle technology
- Four MDOT projects recognized with national awards
- MDOT carpool lot off I-75 at Adams Road closed for resurfacing Oct. 2
- Advisory: International Bridge closing to vehicle traffic during foot races
- Final Adopt-A-Highway cleanup of year starts Saturday

Stay Connected

mi Drive
Construction & Traffic

f t y

Report potholes on state roads such as:
23 24 75

Traffic Lane Management Project
FlexRoute23

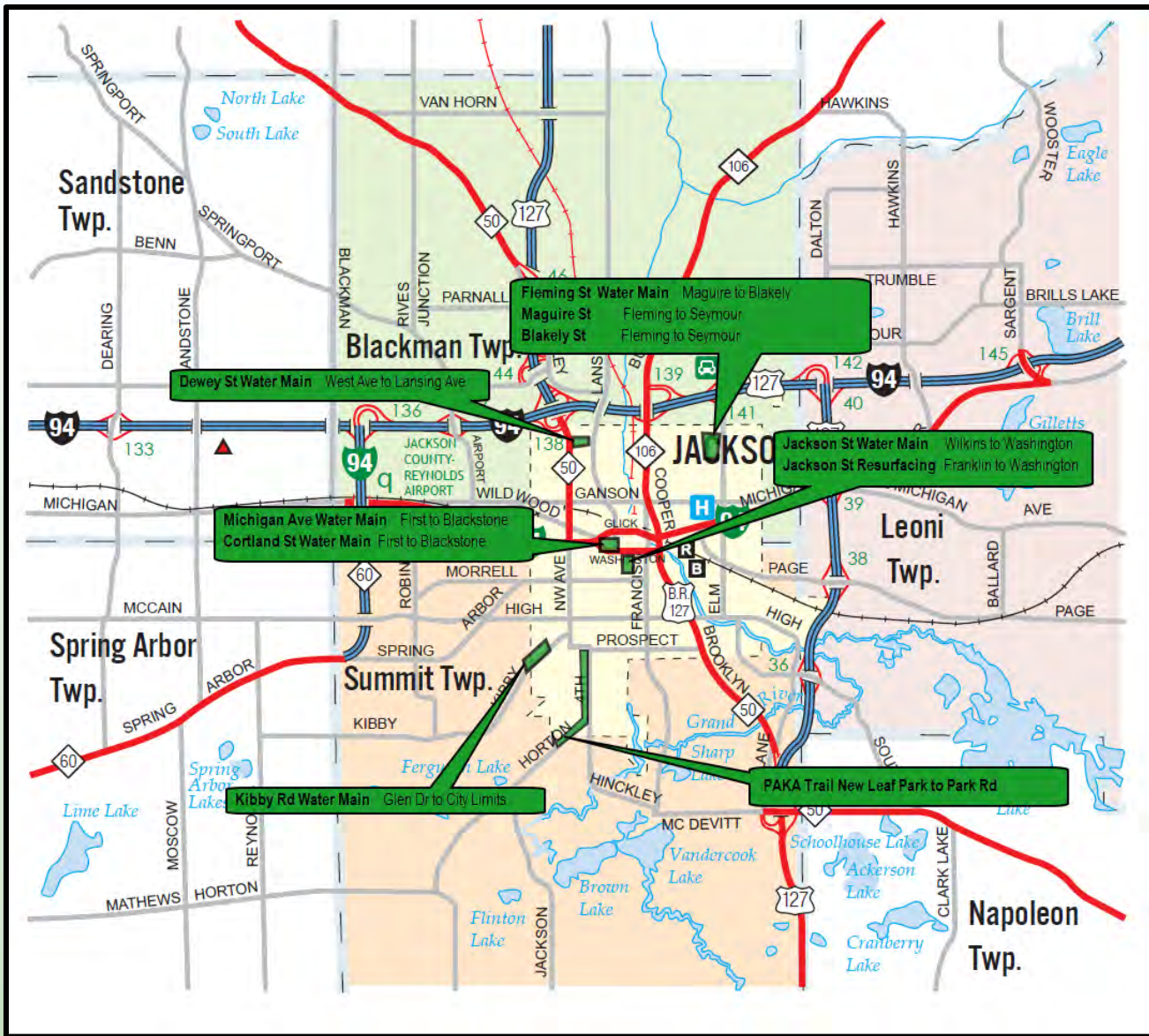
planet

720 Toward Zero Deaths
October 3, 2017

w.michigan.gov/mdot/

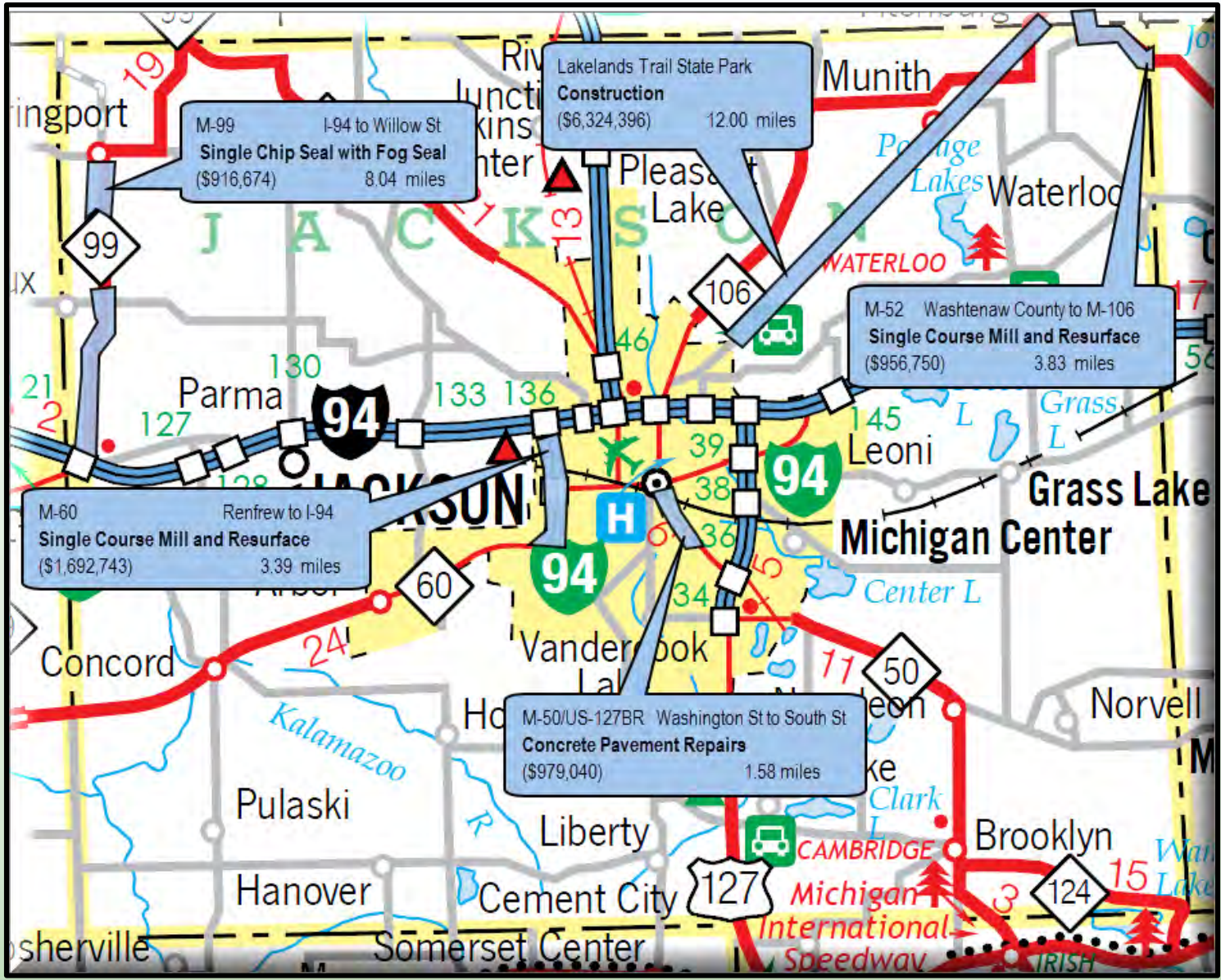
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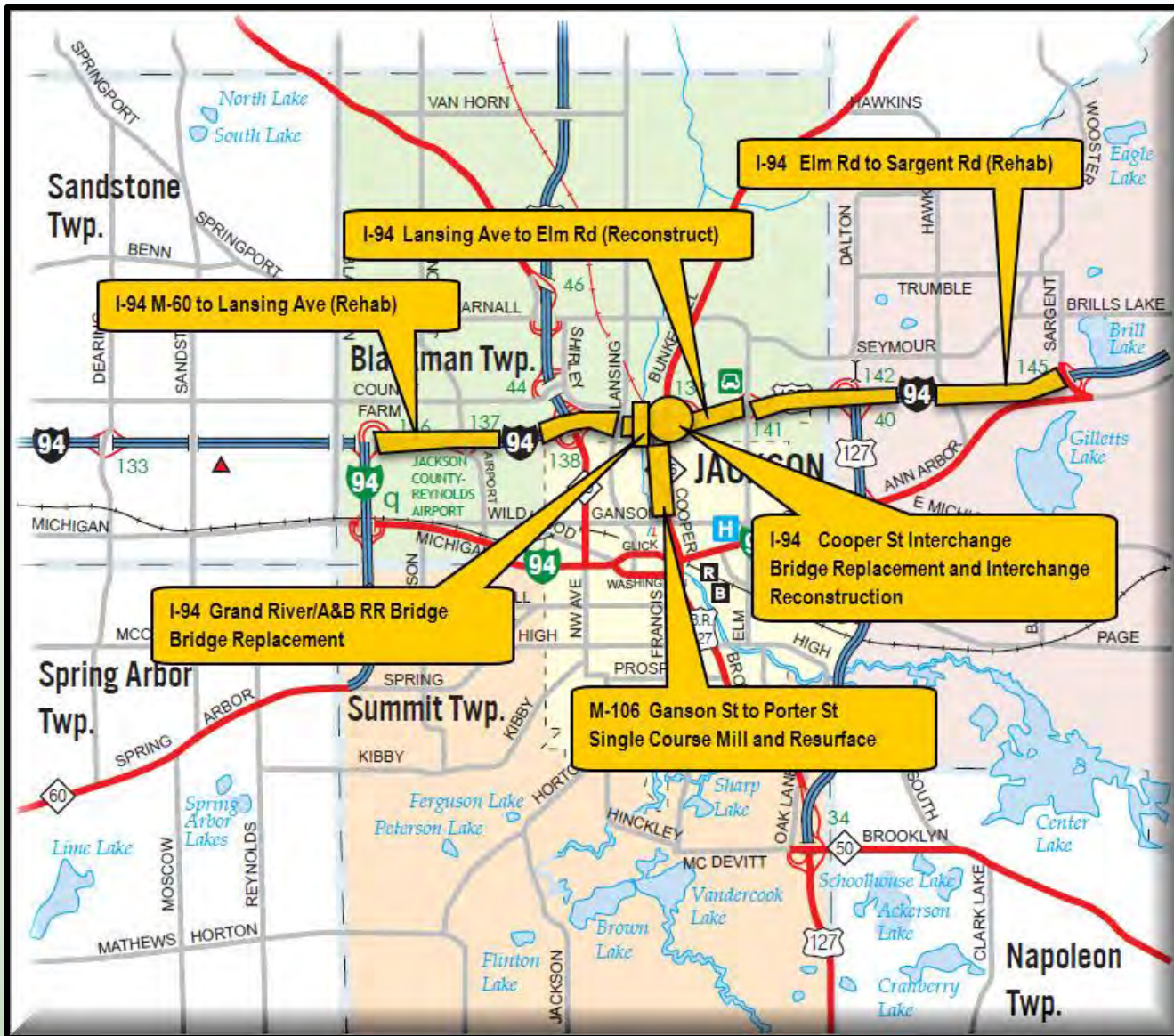
2017 PROJECTS



Other Local Agency 2017 Projects

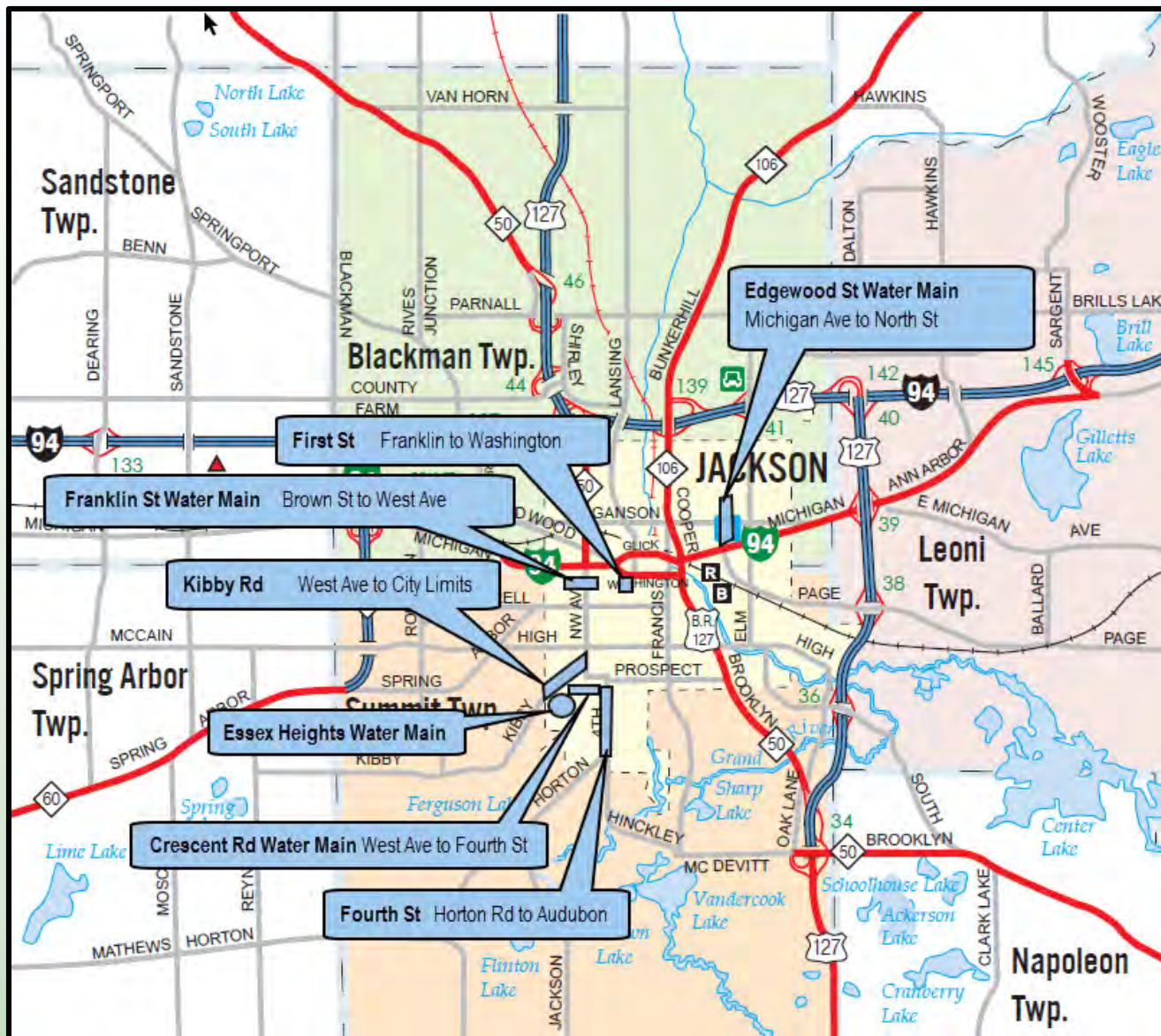
MDOT 2018 Projects





CITY OF JACKSON

2018 PROJECTS



Other Local Agency 2018 Projects

Region 2 Planning Commission Update

OPEN DISCUSSION