

TRANSPORTATION

“Providing the highest quality integrated transportation services for economic benefit and improved quality of life.”



TRANSPORTATION IS THE BACKBONE OF MICHIGAN'S ECONOMY

- 35% of US/Canada trade flows through Michigan
- Michigan leads all states in trading with Canada, totaling \$70.2 billion in 2011 (11.7% of all U.S./Canada trade)
- \$520 billion in freight is moved each year on Michigan's highways, rail and water ports
- Trucking accounts for 67% of all freight tonnage moved in Michigan



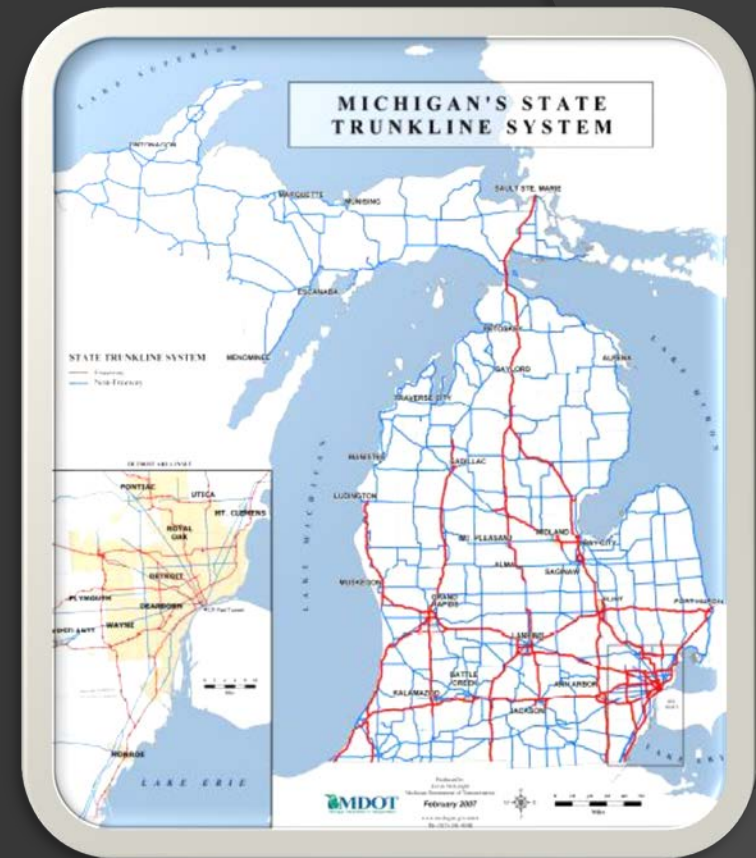
TRANSPORTATION IS THE BACKBONE OF MICHIGAN'S ECONOMY

- Operation of bus transit systems contribute an estimated \$740 million to the economy each year
- Passenger rail is expected to generate between \$1.0-1.5 billion in net economic benefit annually
- Aviation contributes more than \$20 billion/year
- 80% of Michigan tourism is auto-based



STATE TRUNKLINE SYSTEM

- MDOT has jurisdiction over:
 - 9,652 Centerline Miles
 - 31,974 Lane Miles
 - 4,704 Bridges
- MDOT's I, US and M routes carry 50% of all traffic and 65% of commercial traffic



MDOT's responsibility includes preserving and maintaining major corridors that tie the state together...our success serves the entire population.

LOCAL ROADS AND STREETS

- Some 111,000 miles of local roads and streets
 - Nation's 6th largest city street system: 21,000 miles
 - Nation's 4th largest county road system: 90,000 miles
- 36,500 mile federal aid system includes some 27,000 miles under local jurisdiction
- These roads are under the jurisdiction of more than 600 different local agencies



PASSENGER MODES

MDOT assists:

- 78 transit and 38 specialized service agencies, providing over 98 million passenger trips per year in 83 counties
- 3 Amtrak passenger rail routes, serving over 782,000 passengers
- 5 intercity bus systems



PASSENGER MODES (CONT.)

MDOT assists:

- 17 commercial airports, serving over 37 million passengers
 - 209 general aviation airports
 - 4 state-owned airports MDOT oversees
- 26 railroads carrying over 60 million tons of freight per year
 - 4 of the 26 are major freight railroads
- 37 commercial ports, handling 80 million tons per year



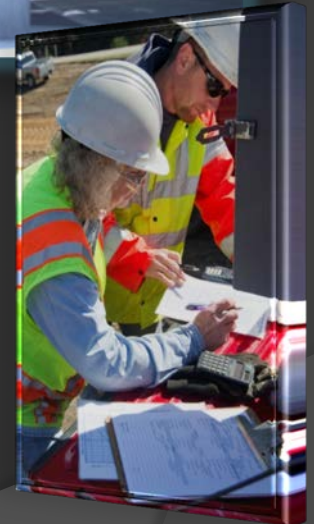
MICHIGAN IS A TRANSPORTATION LEADER

- Asset management
- Capital Preventive Maintenance
- Construction Quality Partnership Training
- Road Quality Forecasting System
- Context-sensitive design solutions
- Performance measurement
- Performance warranties
- Trailway development
- Local Complete Streets policies



BUILDING PARTNERSHIPS

- Contractors/Consultants
- University Research
 - MI Tech, MSU, U of M
- Local Agencies
 - Transportation Asset Mgmt. Council
- Other State Agencies
 - Governor's Intergovernment Coordinating Committee
- Other States/Provinces
 - I-94 operations, Midwest Regional Rail Initiative
- Private Business



PERFORMANCE & ACCOUNTABILITY

- Michigan Dashboard
- Infrastructure Dashboard
- MDOT's Scorecard
- MDOT System Measures
- Asset Management Council
- FHWA Stewardship Agreement
- Good Government in Action

Infrastructure Dashboard

Performance Key:

- 👍 Performance improving
- = Performance staying about the same
- 👎 Performance declining

Click on the links in the table below for more detail.



Economic Growth			
	Prior	Current	Progress
Commercial vehicle traffic in billions of miles	5.74 (2010)	5.74 (2011)	=
Rail freight traffic in millions of tons	52.7 (2009)	60.4 (2010)	👍
Percentage of households with broadband	n/a	67% (2010)	n/a
Percentage of U.S. trucking trade traffic through Michigan international borders	45.7% (2010)	44.9% (2011)	👎

Safety			
	Prior	Current	Progress
Individuals fatally or seriously injured in traffic accidents	6,917 (2010)	6,595 (2011)	👍
Work zone injuries and fatalities	108 (2010)	106 (2011)	👍
Monitored beaches with no closures or unsafe advisories	72% (FY 2011)	76% (FY 2012)	👍

Accountability			
	Prior	Current	Progress
Percentage of road construction projects completed:			
- On time or ahead of schedule	97.2% (2009)	99.6% (2010)	👍
- Within 5% of budget or less	72.7% (2009)	77.8% (2010)	👍

Mobility			
	Prior	Current	Progress
Percentage of traffic incidents cleared in less than 2 hours	88.0% (Nov 2011)	91.5% (Nov 2012)	👍
Passenger air service in and out of Michigan in millions of passengers	37.0 (2010)	37.2 (2011)	👍
Percentage change in passenger rail ridership	8.7% (2010)	7.8% (2011)	👎
Percentage change in bus ridership	-3.65% (2010)	2.3% (2011)	👍

Conditions			
	Prior	Current	Progress
Percentage of structurally deficient bridges	13.15% (2010)	11.76% (2011)	👍
Percentage of roads in good or fair condition in the paved federal aid system	65.2% (2010)	64.9% (2011)	👎
Number of dam failures	2 (2011)	3 (2012)	👎
Raw sewage discharge in billions of gallons	2.45 (2010)	7.90 (2011)	👎

www.michigan.gov/midashboard

www.michigan.gov/mdot

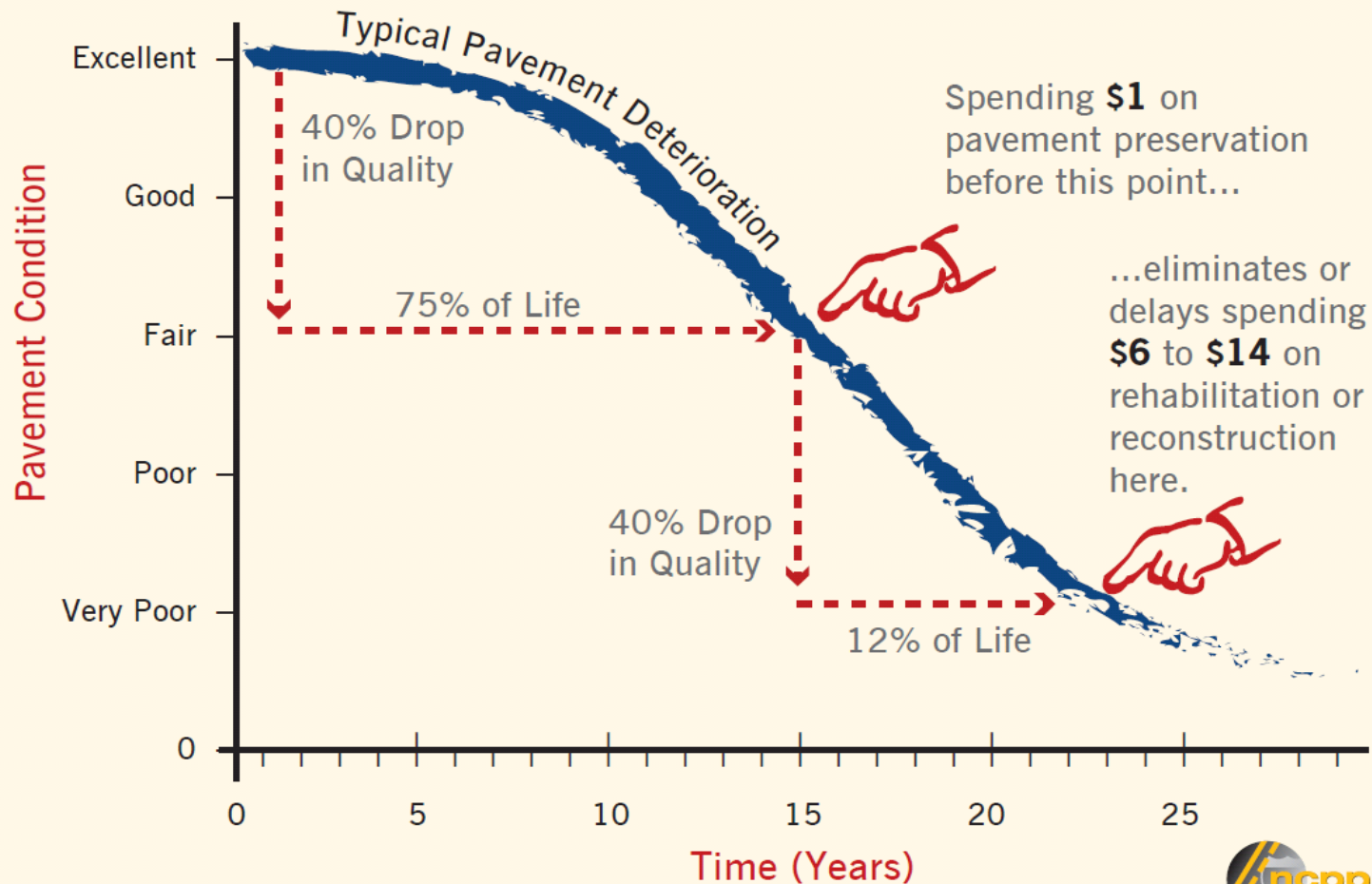
SAVING MONEY

- Major reorganization and innovative cost-saving measures saved \$55 million in 2011 and \$16 million in 2012
 - Asset management
 - Energy efficiency
 - Performance measures
 - Construction warranties
 - Innovative contracts
 - Innovative finance
 - New technologies
 - Partnerships



ASSET MANAGEMENT

PAVEMENT PRESERVATION IS COST EFFECTIVE

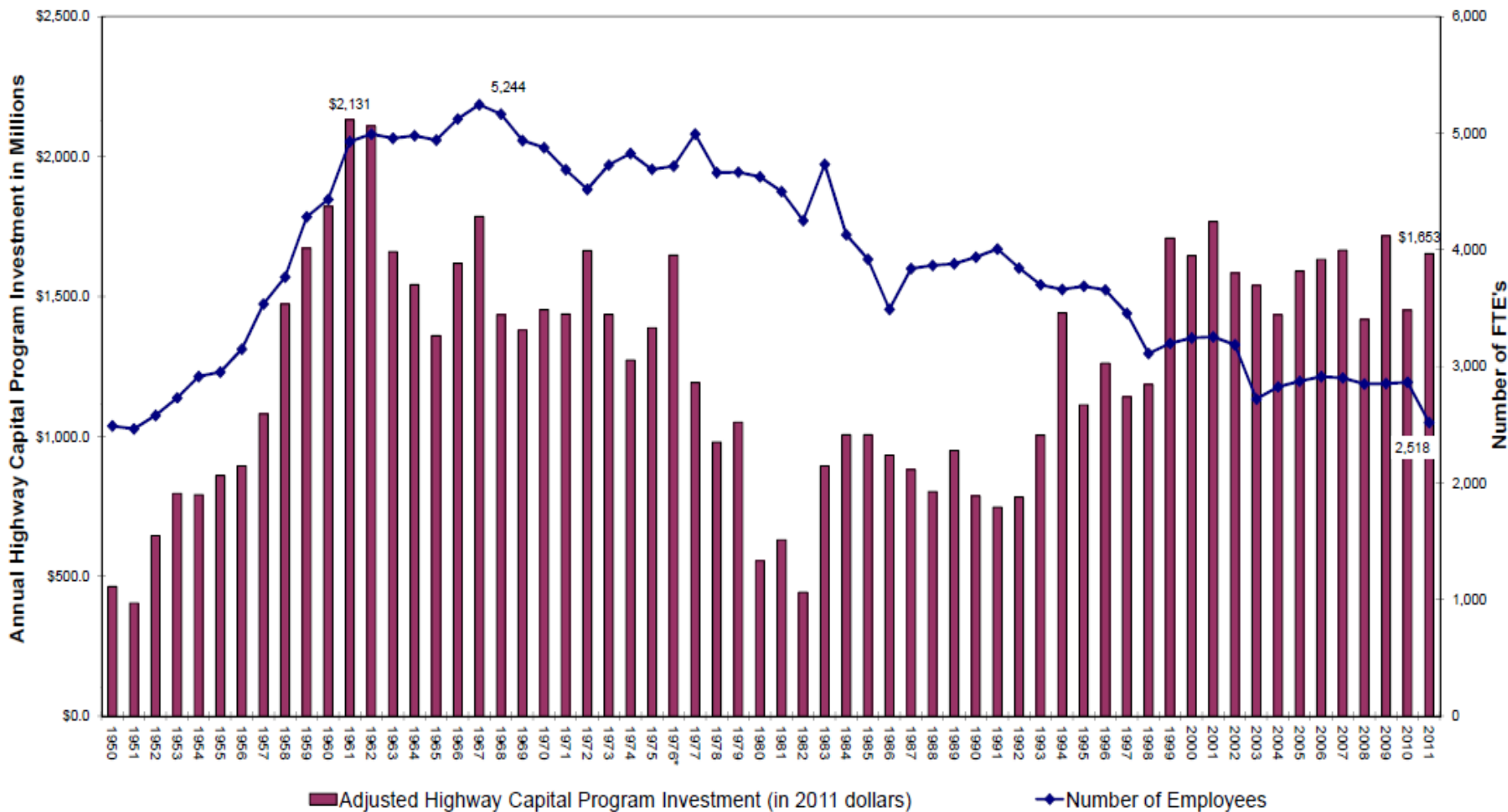


CONSTRUCTION PROGRAM MANAGEMENT

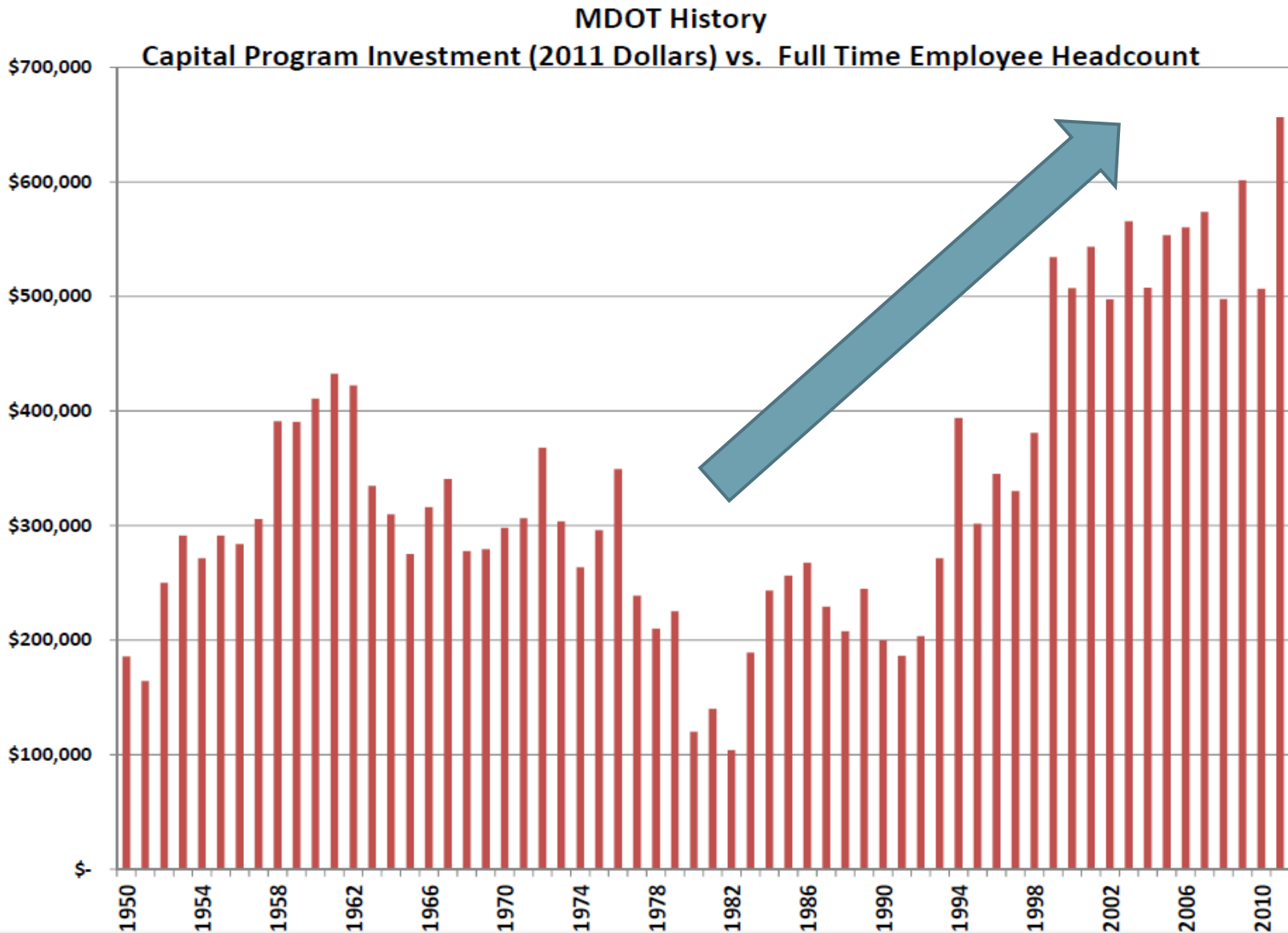
Six Year Summary of MDOT Projects

Calendar Year	Original Contract Cost	Final Contract Cost	Percent Difference
2007	\$777,582,980.29	\$810,428,814.94	4.22%
2008	\$967,285,996.11	\$983,915,828.12	1.72%
2009	\$726,981,046.84	\$750,956,601.62	3.30%
2010	\$615,818,269.64	\$615,142,561.83	-0.11%
2011	\$833,072,906.02	\$842,999,015.92	1.19%
2012	\$771,130,483.23	\$768,530,401.94	-0.34%

History of MDOT Highway Capital Program Investment Compared to Number of Full Time Employees



INVESTMENT PER FTE IN 2011 IS TRENDING POSITIVELY



THIS IS OUR GOAL...



US-31 bridge in Beulah



I-75 in Saginaw



**M-55 bridge over US-131 as
it joins the Cadillac bypass**



US-41 roundabout in Marquette

THIS IS OUR REALITY...



Plywood Under I-375 Bridge



Congestion at I-96 & US-23



Michigan pothole



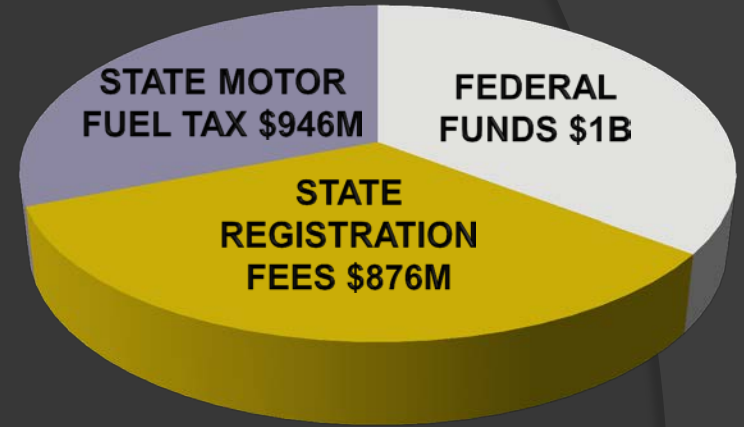
**Crumbling Five Mile Road bridge
over I-275 in Livonia**

HOW DO WE GET THERE FROM HERE?

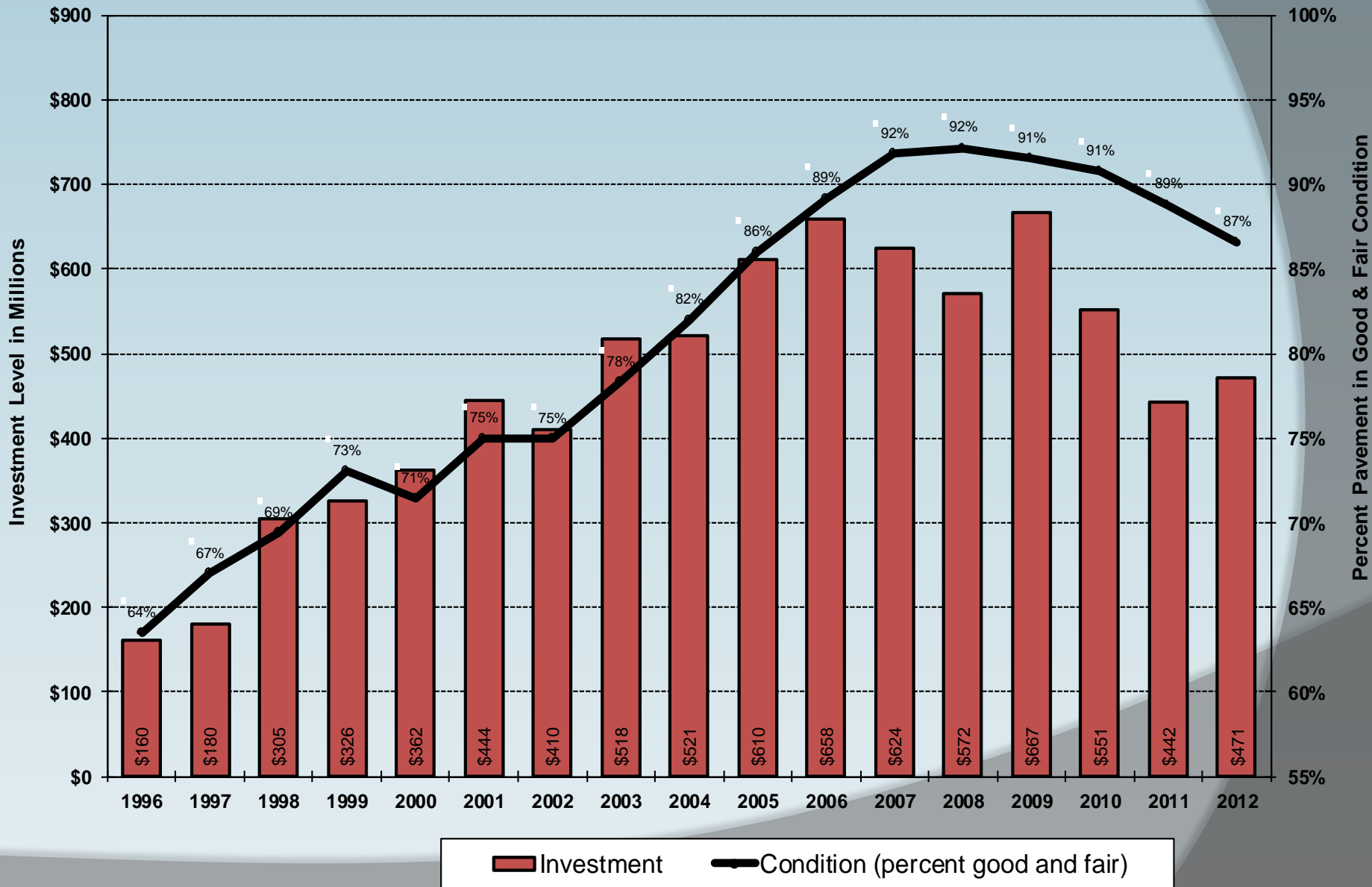


TRANSPORTATION FUNDING

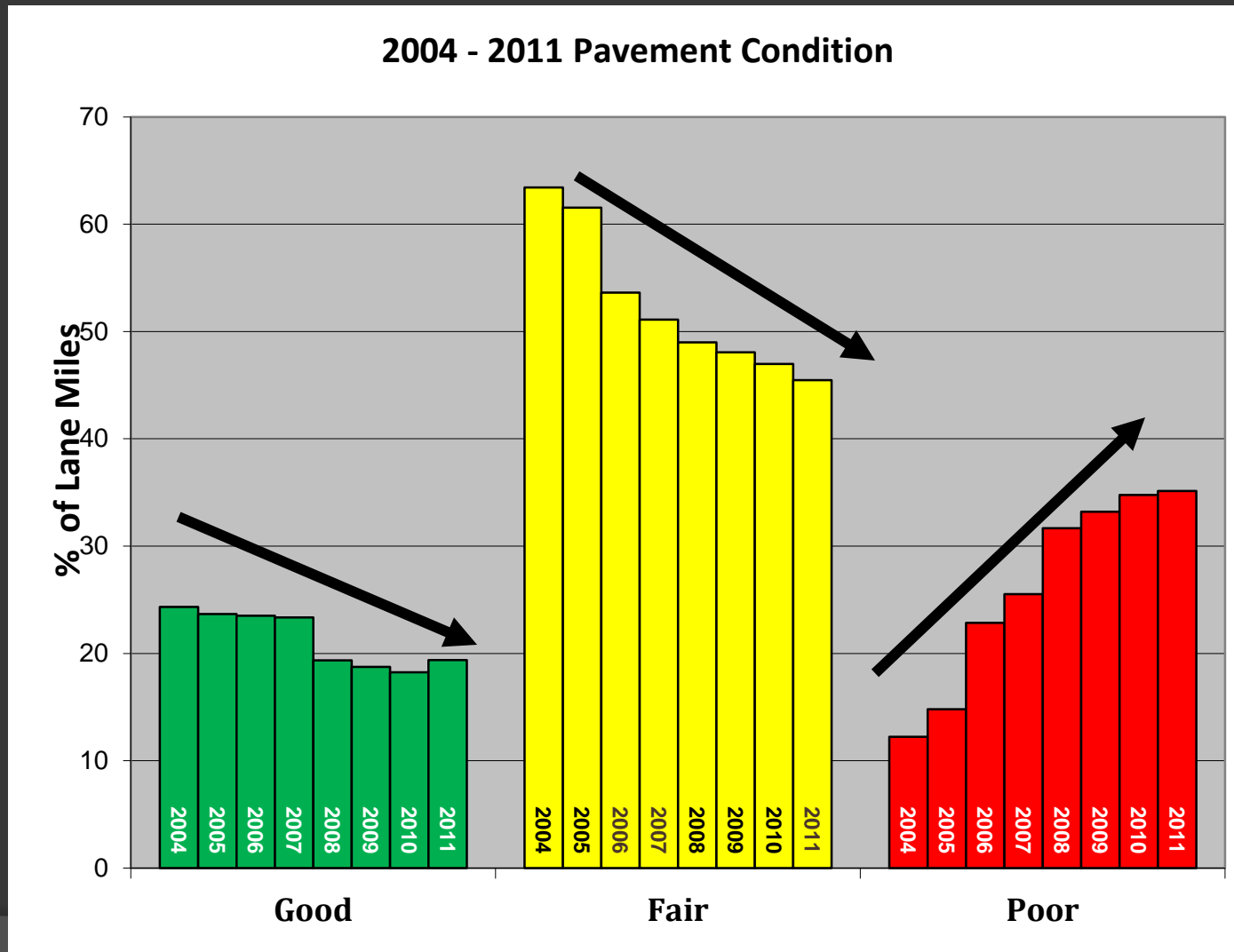
- Roads and Bridges
 - Federal funds: \$1 billion
 - Includes \$250 million for local agencies
 - State motor fuel taxes: \$946 million
 - State registration fees: \$876 million
- Bus and Rail – Federal funds, state restricted funds from fuel taxes, registrations, sales taxes and local millages (\$98 million)
- Aviation – Federal funds, state fuel taxes and registration fees (\$12.1 million)



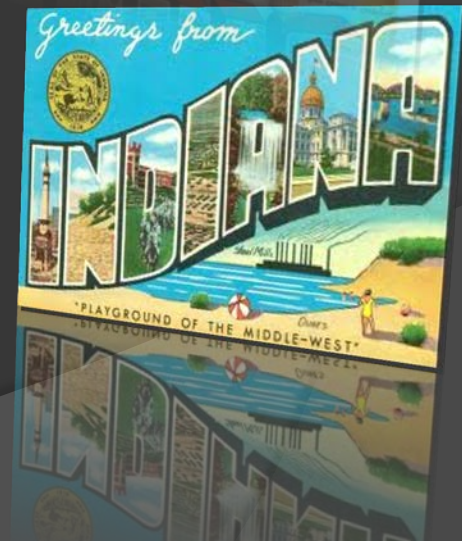
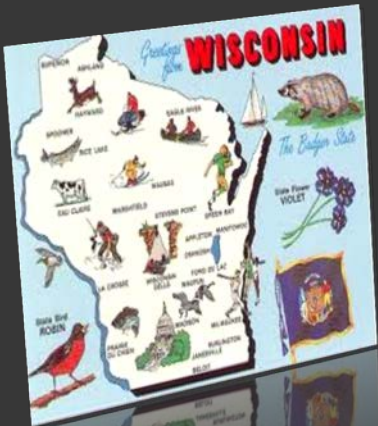
PAVEMENT PROGRAM INVESTMENT LEVEL VS. ACTUAL TRUNKLINE PAVEMENT CONDITION



WHAT IS THE CONDITION OF MICHIGAN'S ROADS?



HOW DOES MICHIGAN COMPARE?

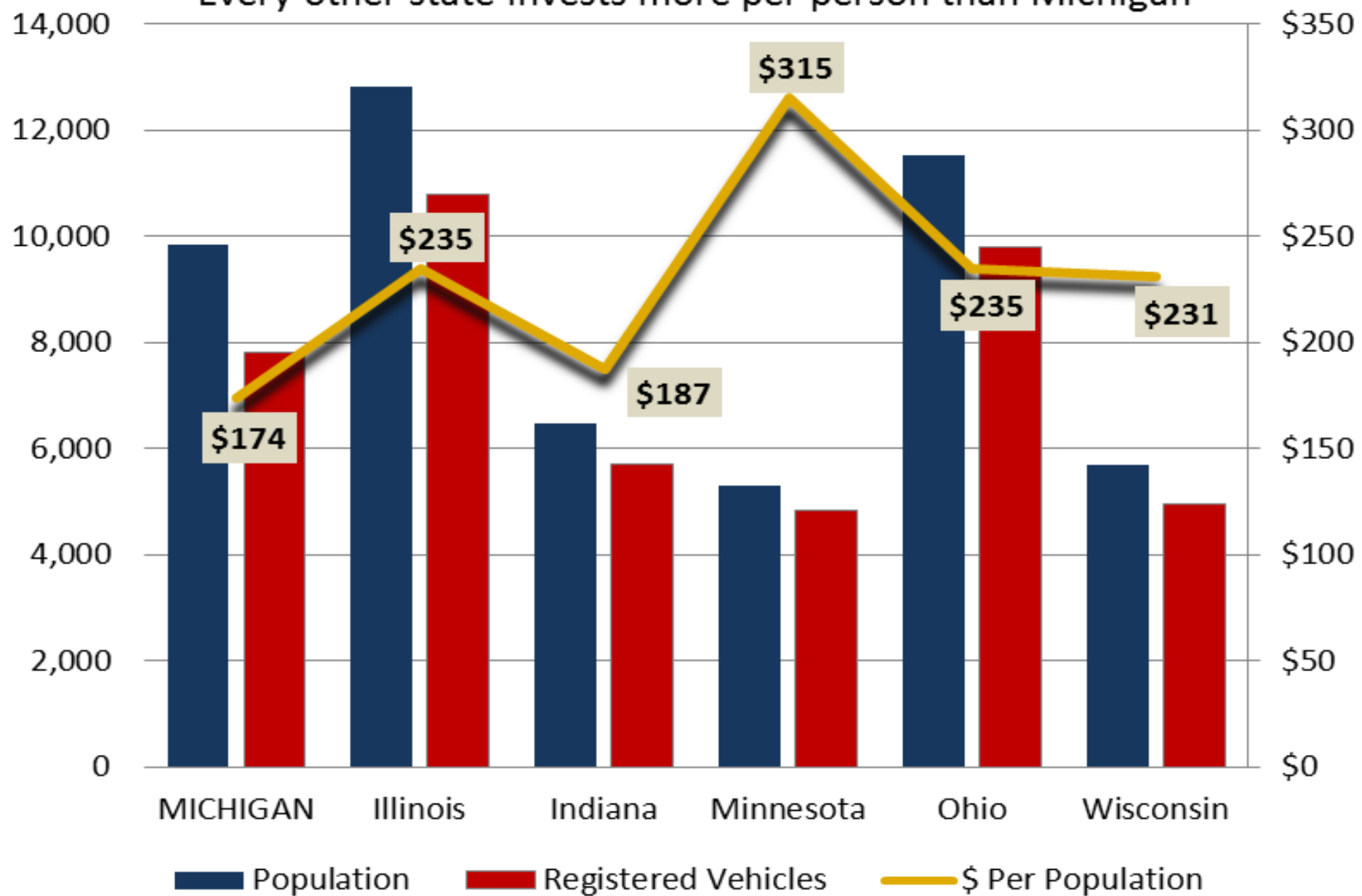


REGIONAL COMPARISON

STATE	STATE PROFILE (thousands)				STATE INVESTMENT ALLOCATION (thousands)		
	Population	Registered Vehicles	Annual VMT	Lane Miles	Total Funding	Funding Per Pop.	Funding Per Lane Mile
MICHIGAN	9,834	7,822	97,567,000	257	\$1,709,199	\$174	\$6,651
Illinois	12,831	10,789	105,788,000	293	\$3,017,527	\$235	\$10,299
Indiana	6,484	5,698	75,761,000	200	\$1,215,322	\$187	\$6,077
Minnesota	5,304	4,848	56,632,000	284	\$1,672,190	\$315	\$5,888
Ohio	11,537	9,800	111,836,000	262	\$2,706,474	\$235	\$10,330
Wisconsin	5,687	4,968	59,420,000	237	\$1,315,897	\$231	\$5,552

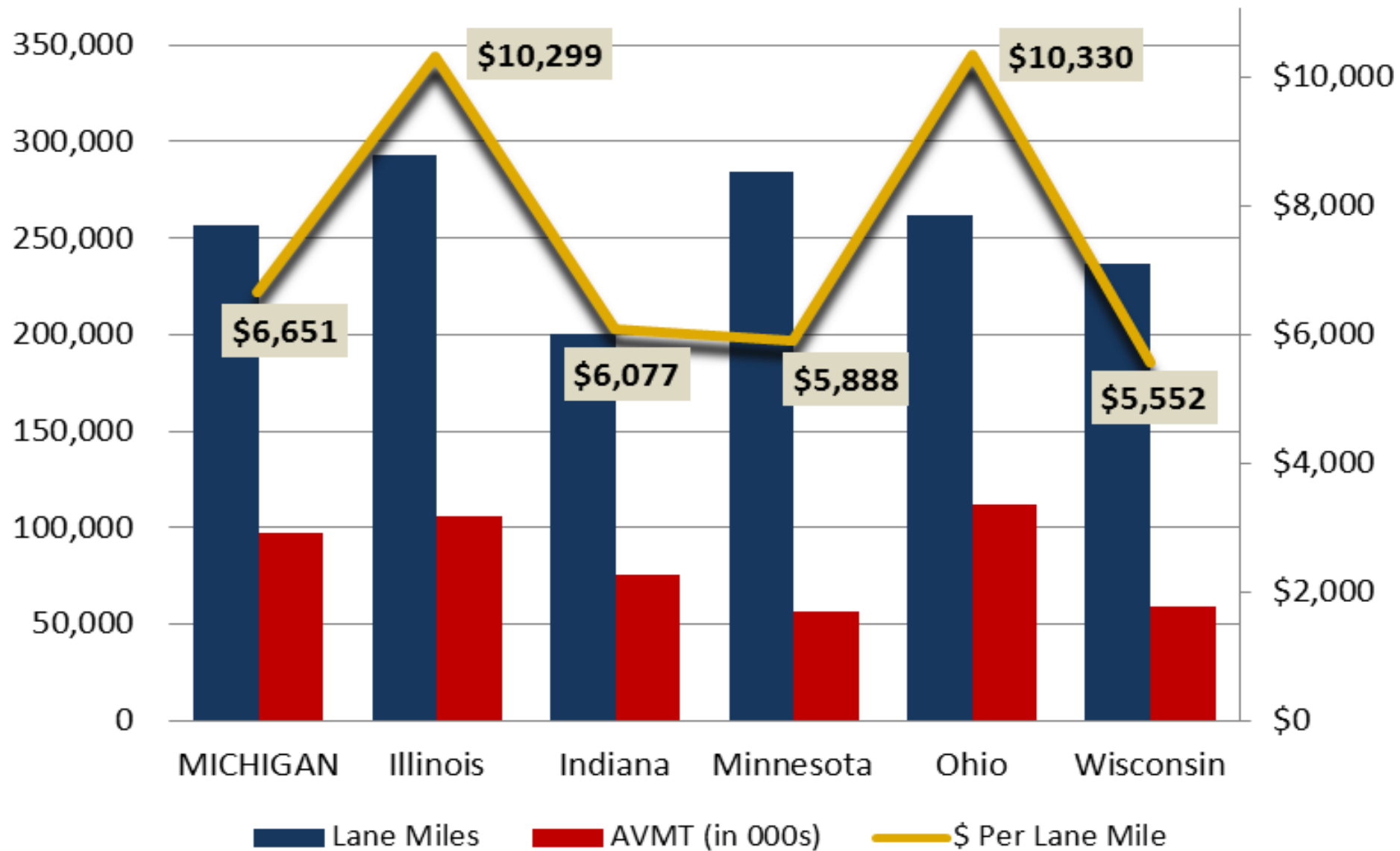
Population, Registered Vehicles, & Dollars Invested

Every other state invests more per person than Michigan

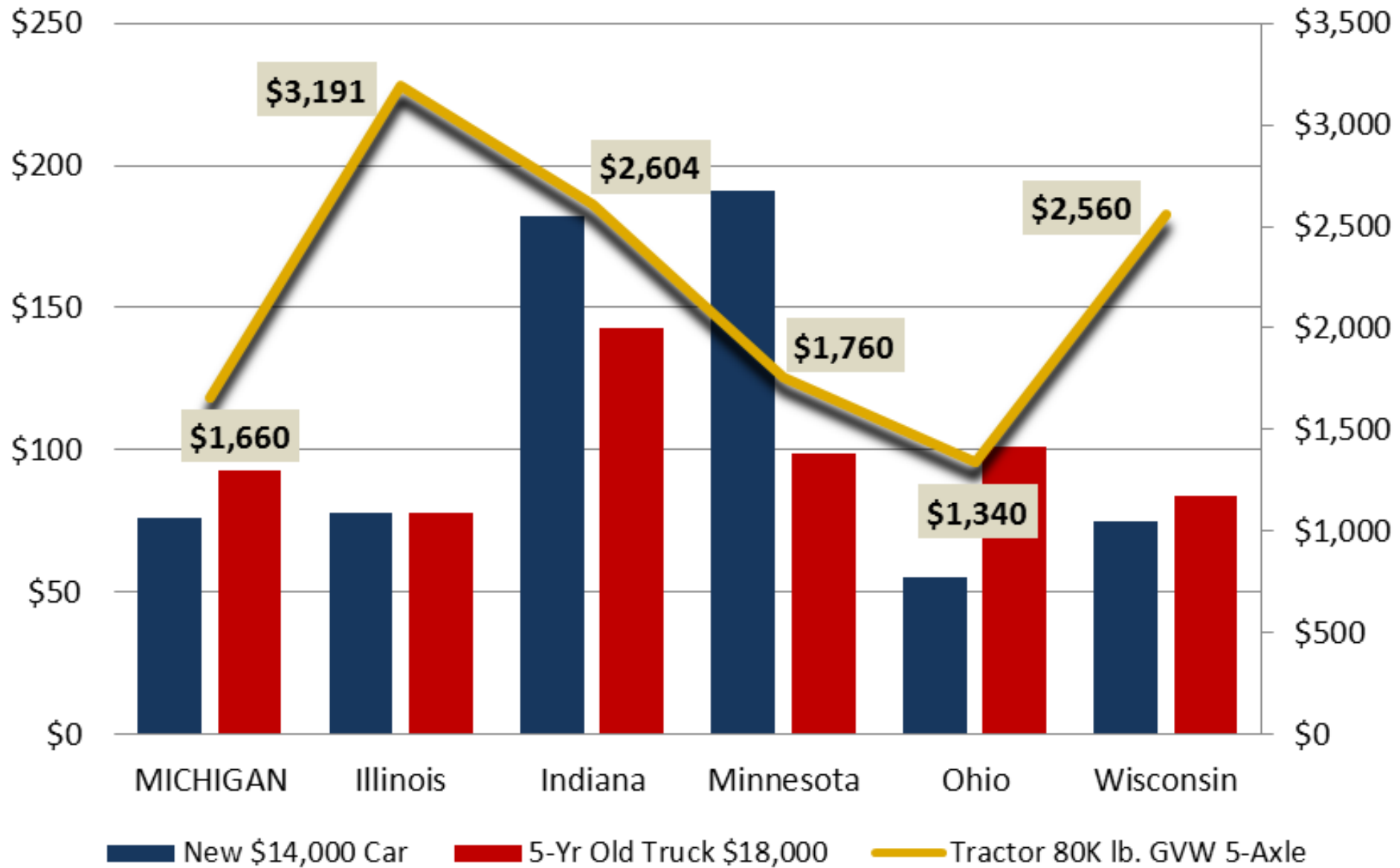


System Size, Traffic, & Dollars Invested

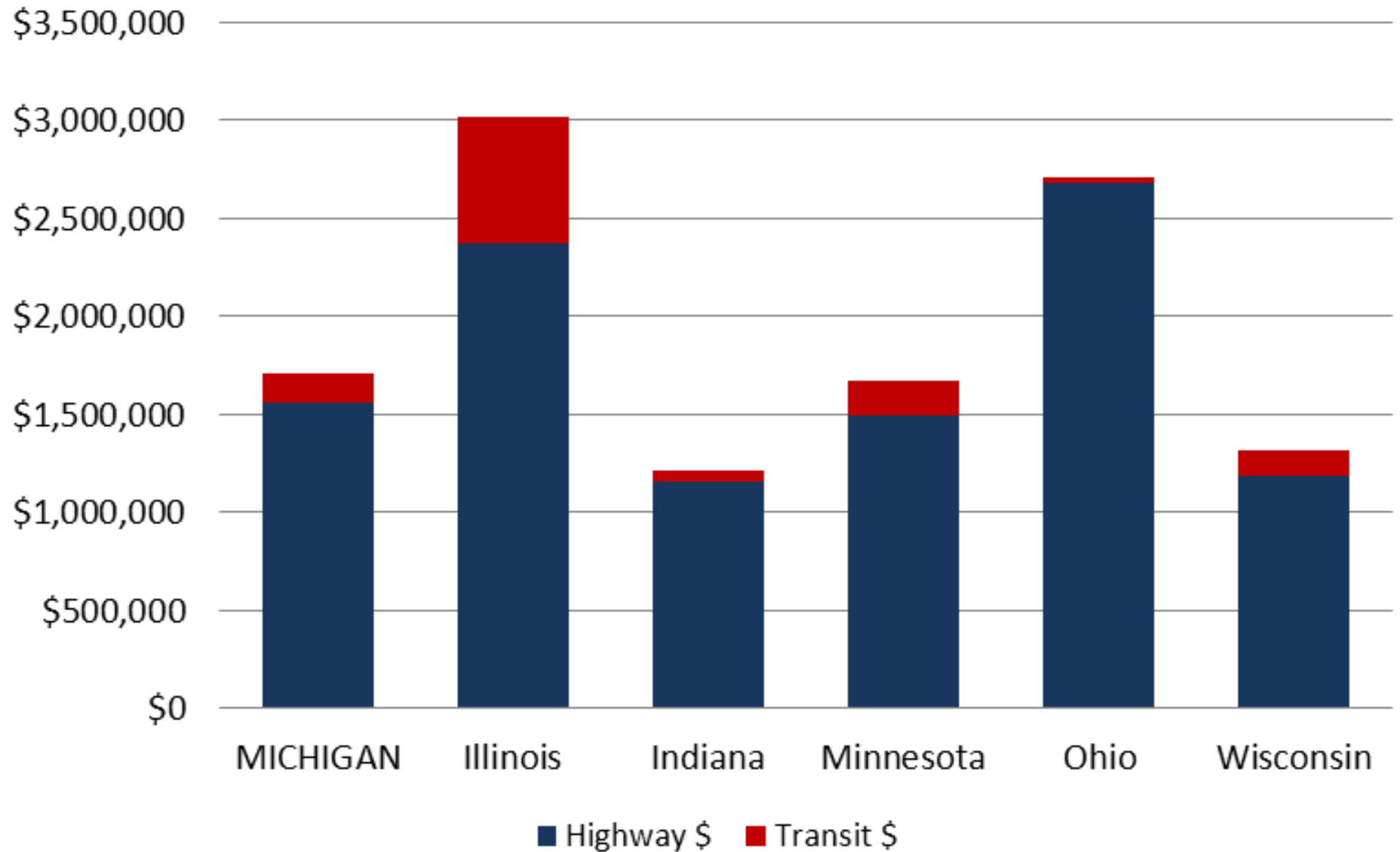
MI system size & traffic are like OH and IL, but fewer dollars are invested per lane



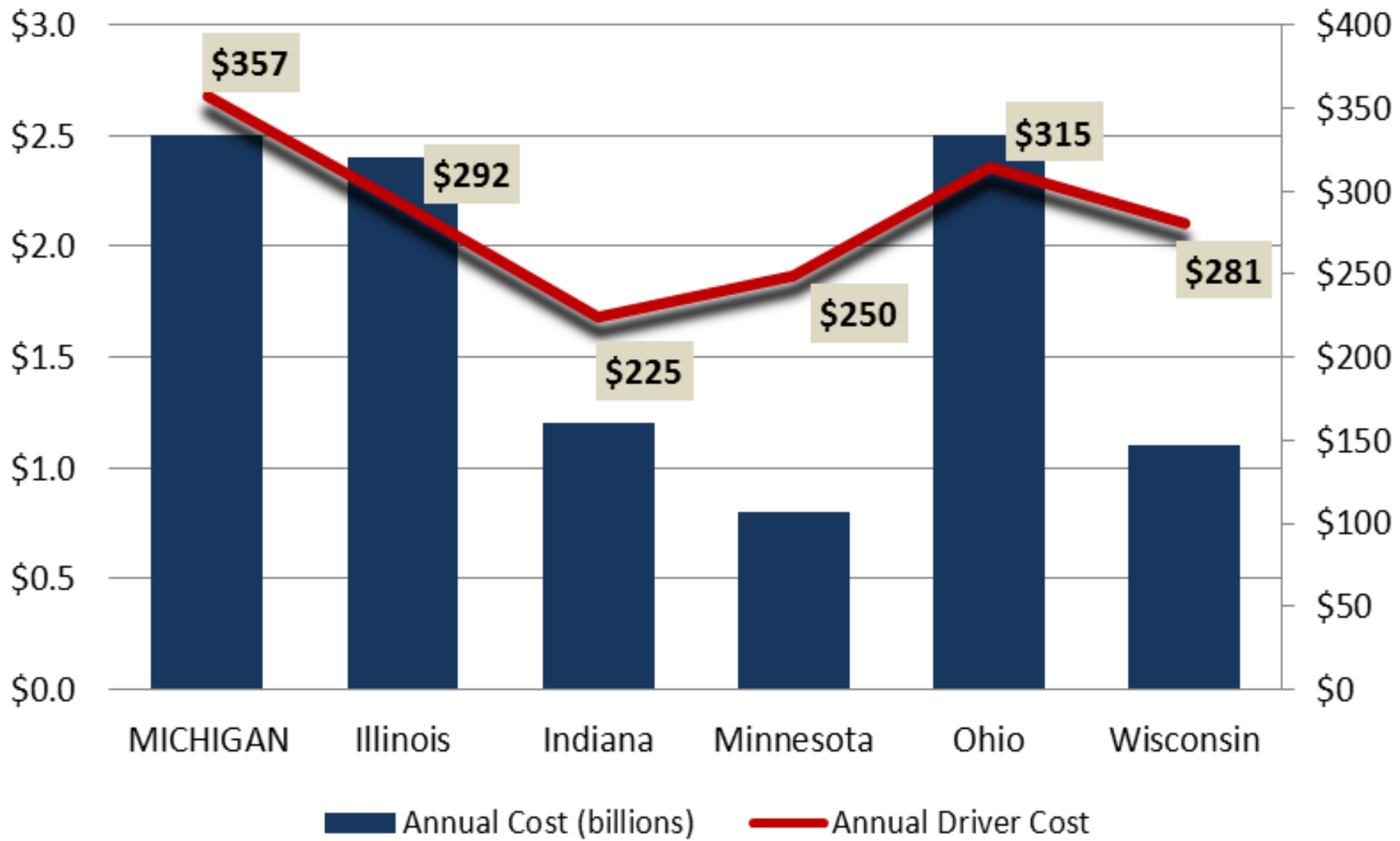
Sample State Vehicle Registration Fees



State Transportation Investment Allocation (thousands)



State Comparison of Vehicle Repair Costs

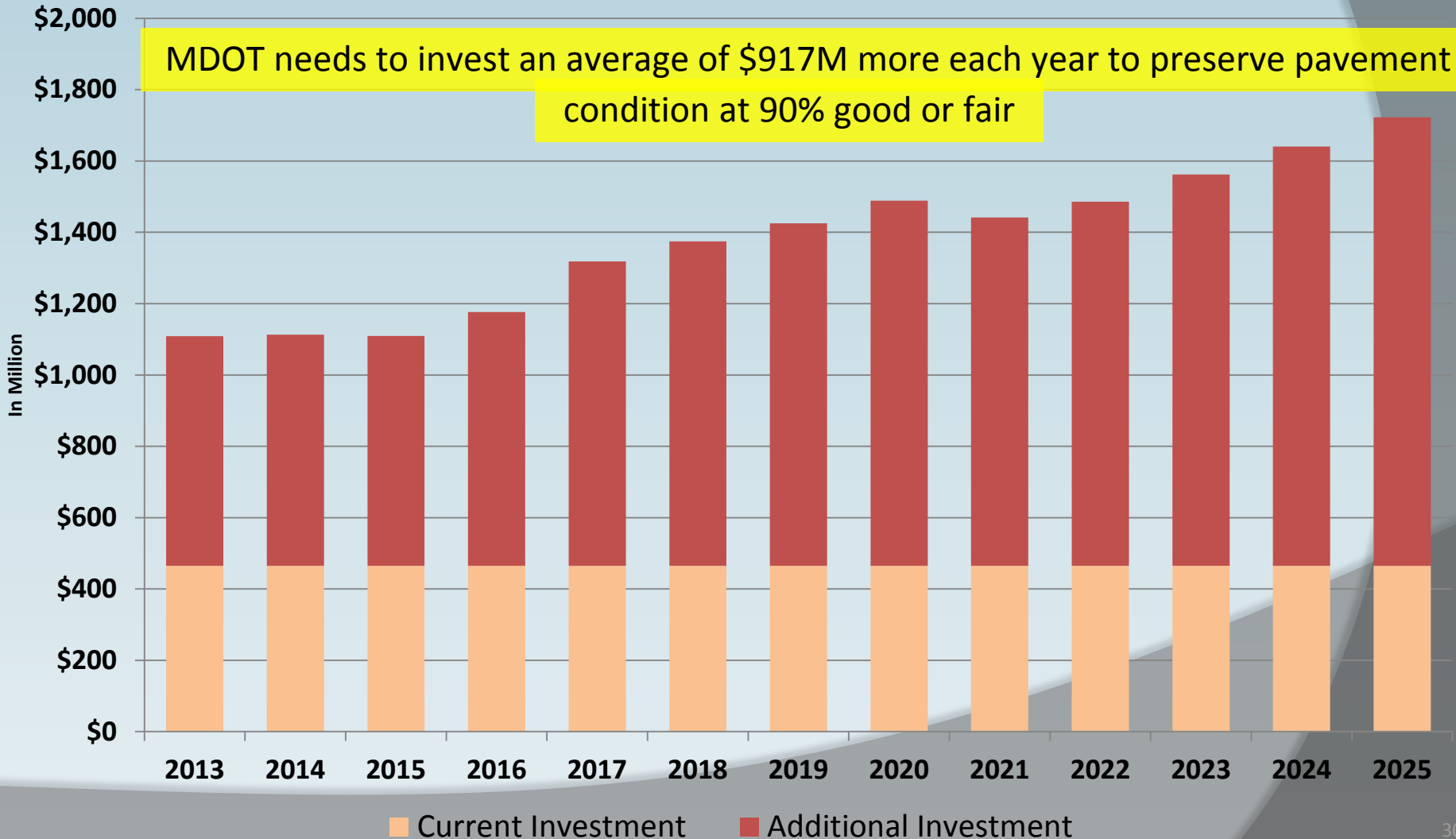


HOW WILL MICHIGAN COMPETE?



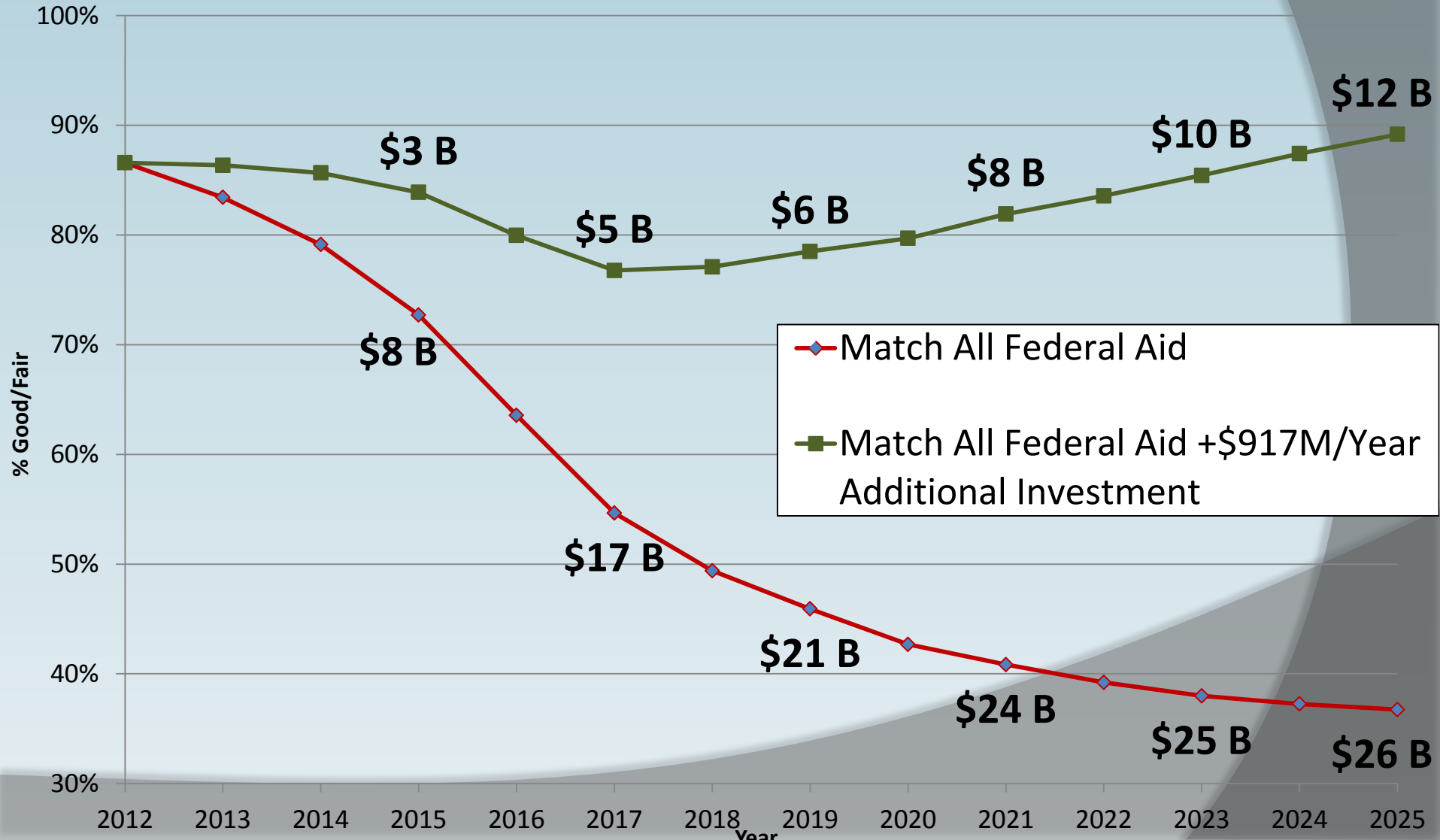
MDOT SHORTFALL FOR PAVEMENT PRESERVATION

MDOT needs to invest an average of \$917M more each year to preserve pavement condition at 90% good or fair



PAY NOW OR PAY LATER

Trunkline Investment Scenarios

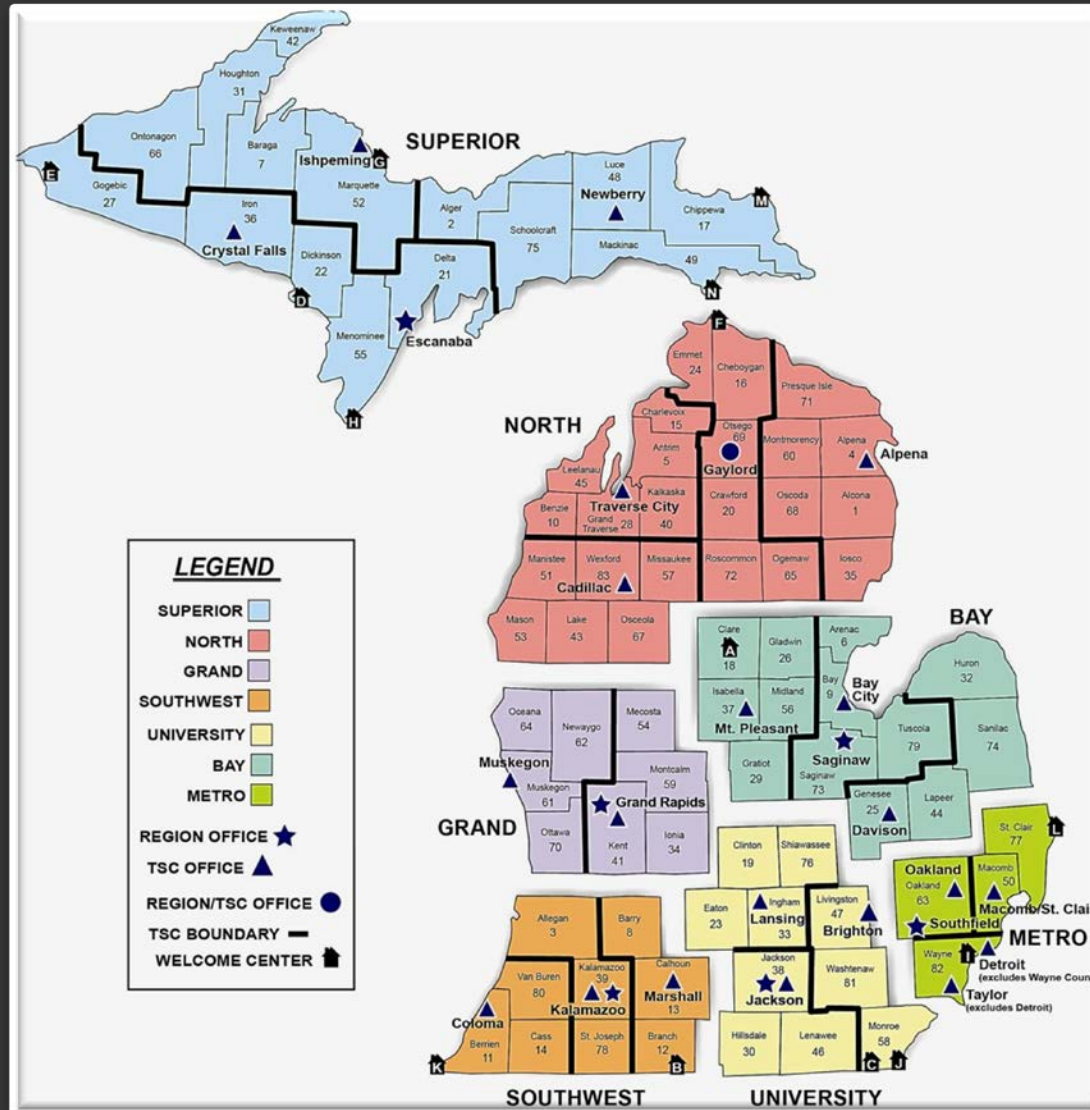


CONSISTENT CALL FOR ACTION

- 2011 Special Message on Infrastructure
- 2011 Report “Michigan’s Road Crisis: What Will It Cost to Maintain our Roads and Bridges”
- 2013 State of the State
- 2014 Budget Proposal



WE'RE POSITIONED TO SERVE...



www.michigan.gov/mdot

WE'RE HERE TO HELP...

Lansing Office

425 W. Ottawa
Lansing, MI 48933
Phone: 517-373-2114

Bay Region Office

55 E. Morley Drive
Saginaw, MI 48601
Phone: 989-754-7443

Grand Region Office

1420 Front Ave., N.W.
Grand Rapids, MI 49504
Phone: 616-451-3091

Metro Region Office

18101 W. Nine Mile Road
Southfield, MI 48075
Phone: 248-483-5100

North Region Office

1088 M-32 East
Gaylord, MI 49735
Phone: 989-731-5090

Southwest Region Office

1501 E. Kilgore Road
Kalamazoo, MI 49001
Phone: 269-337-3900

Superior Region Office

1818 3rd Ave. North
Escanaba, MI 49829
Phone: 906-786-1800

University Region Office

4701 W. Michigan Ave.
Jackson, MI 49201
Phone: 517-750-0401

OTHER RESOURCES

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- **Twitter**: Statewide - www.twitter.com/MichiganDOT
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Questions?

