Challenges and Opportunities

March 27, 2013

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Customer Survey: <u>www.mi.gov/mdot</u>



Governor Snyder's State of State



Governor Rick Snyder REINVENTING Getting It Right. Getting It Done.



January 16, 2013

http://www.michigan.gov/snyder

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

	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)	•7

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)	<u>ئ</u>
Monitored beaches with no closures or unsafe advisories	72% (FY 2011)	76% (FY 2012)	* 合
Accountability			
Accountability	Prior	Current	Progress
	Prior	Current	Progress
Percentage of road construction	Prior 97.2% (2009)		Progress



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)	5
Percentage change in passenger rail ridership	8.7% (2010)	7.8% (2011)	5
Percentage change in bus ridership	-3.65% (2010)	2.3% (2011)	公
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	65.2%	64.9%	•2

Number of dam failures

gallons

Raw sewage discharge in billions of

www.michigan.gov/midashboard www.michigan.gov/mdot (2011)

2.45

(2010)

(2012)

7.90

(2011)

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









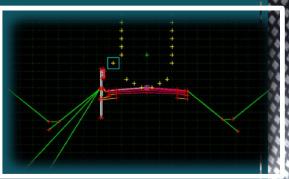
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NEW INITIATIVES

- E-Construction Pilot Contracts using Technology
 - 3D Modeling allows contractors to use GPS for machine grading
 - Electronic bidding saves time & money, reduces errors, eliminates 10,000 pieces of paper per bid
 - I-96 / Latson Road estimates \$100,000 in savings
 - E-Sign technology eliminates 7.4 million sheets of paper & saves \$4M a year
- Strongly embraced performance measures as a tool to drive daily business decisions





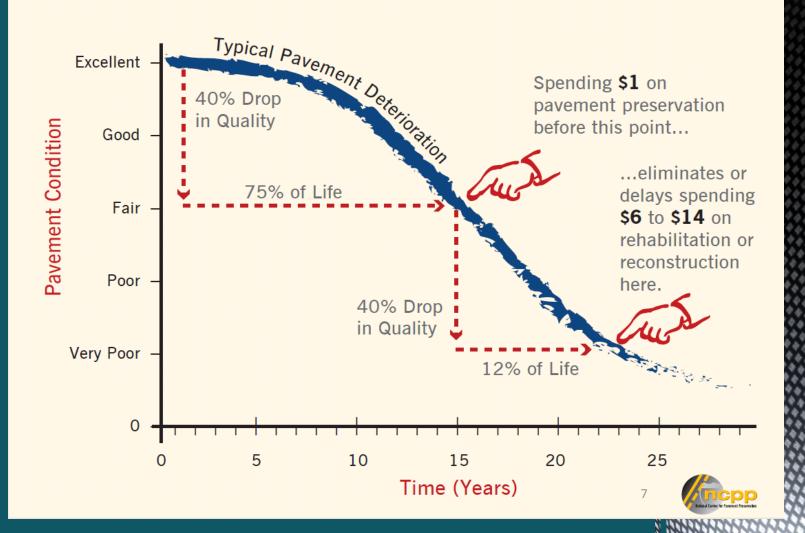


CONSTRUCTION PROGRAM MANAGEMENT

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%	

ASSET MANAGEMENT

PAVEMENT PRESERVATION IS COST EFFECTIVE



This is our goal...



US-31 bridge in Beulah



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



I-75 in Saginaw



US-41 roundabout in Marquette

This is our reality...



Plywood Under I-375 Bridge



Michigan pothole

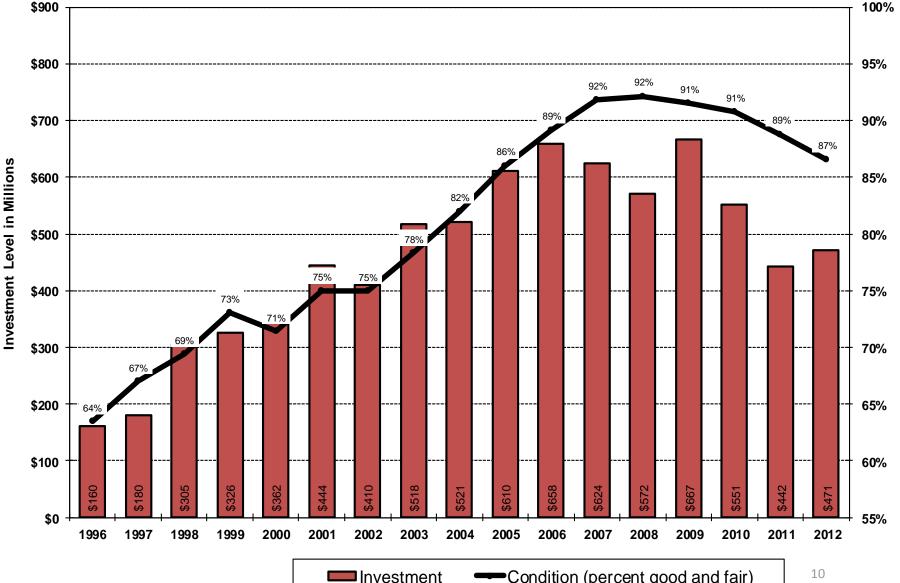


Congestion at I-96 & US-23



Crumbling Five Mile Road bridge over I-275 in Livonia

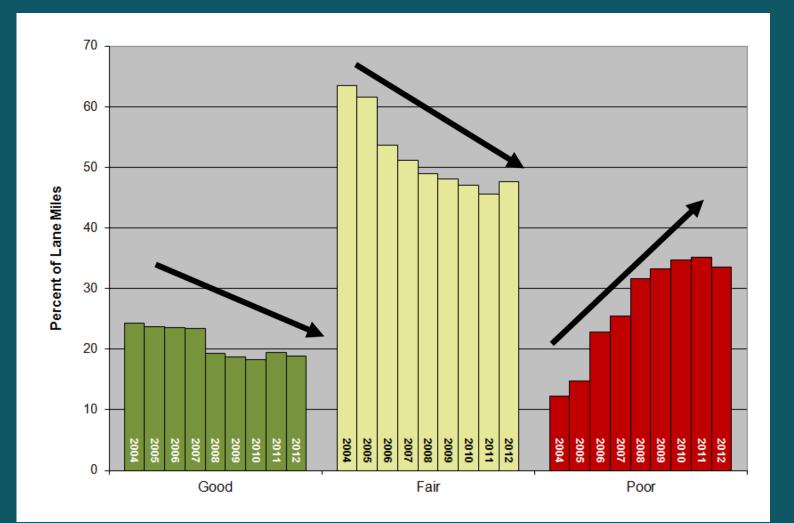
PAVEMENT PROGRAM INVESTMENT LEVEL VS. **ACTUAL TRUNKLINE PAVEMENT CONDITION**



Condition (percent good and fair)

Percent Pavement in Good & Fair Condition

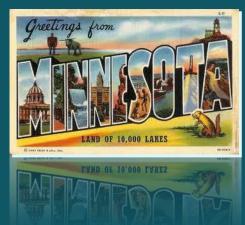
What is the Condition of Michigan's Roads?

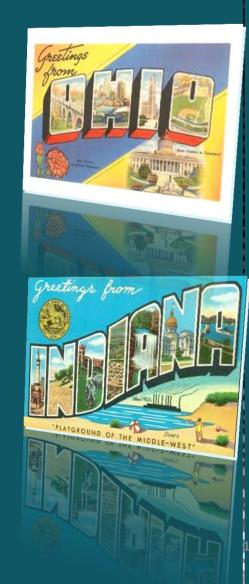


How does Michigan compare?





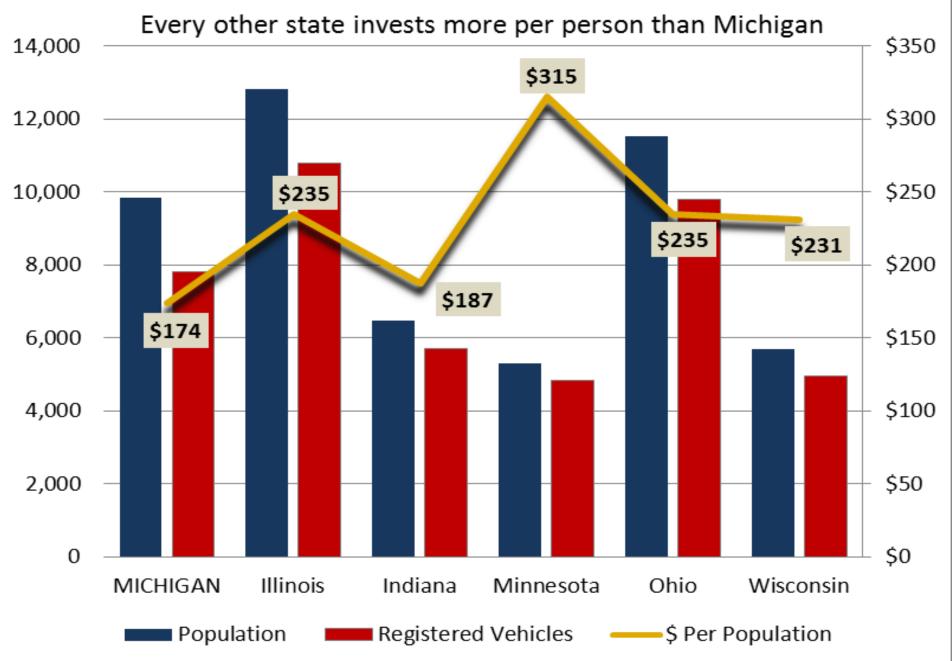




REGIONAL COMPARISON

STATE	STATE PROFILE (thousands)				STATE INVESTMENT ALLOCATION (thousands)		
		Registered		Lane	Total	Funding	Funding Per
	Population	Vehicles	Annual VMT	Miles	Funding	Per Pop.	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

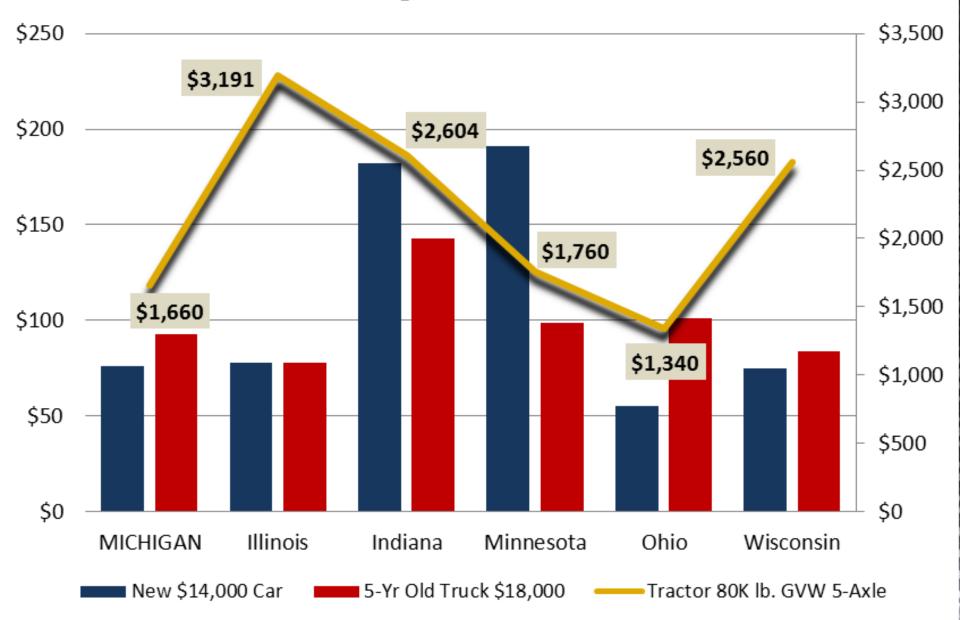


System Size, Traffic, & Dollars Invested

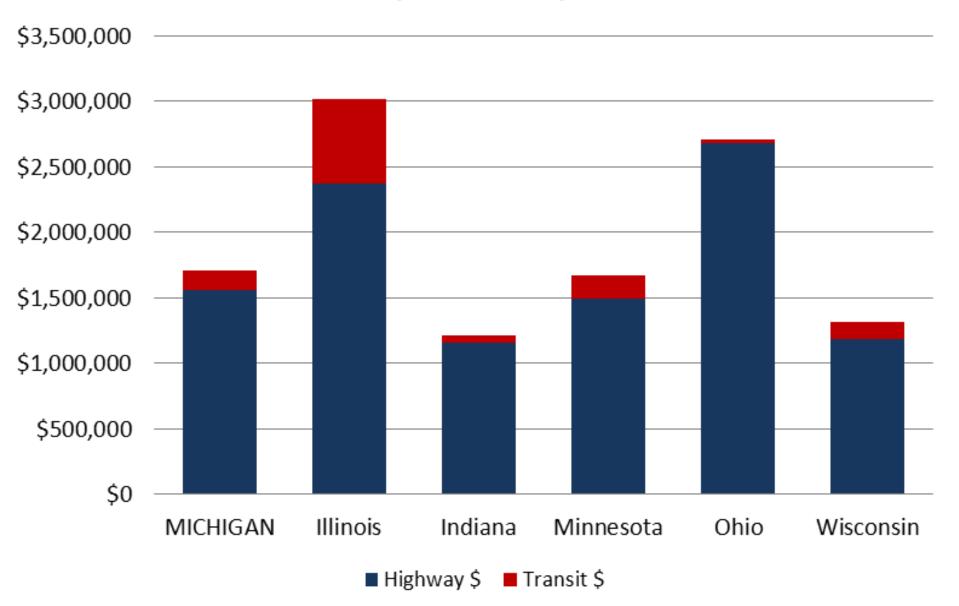
MI system size & traffic are like OH and IL, but fewer dollars are invested per lane



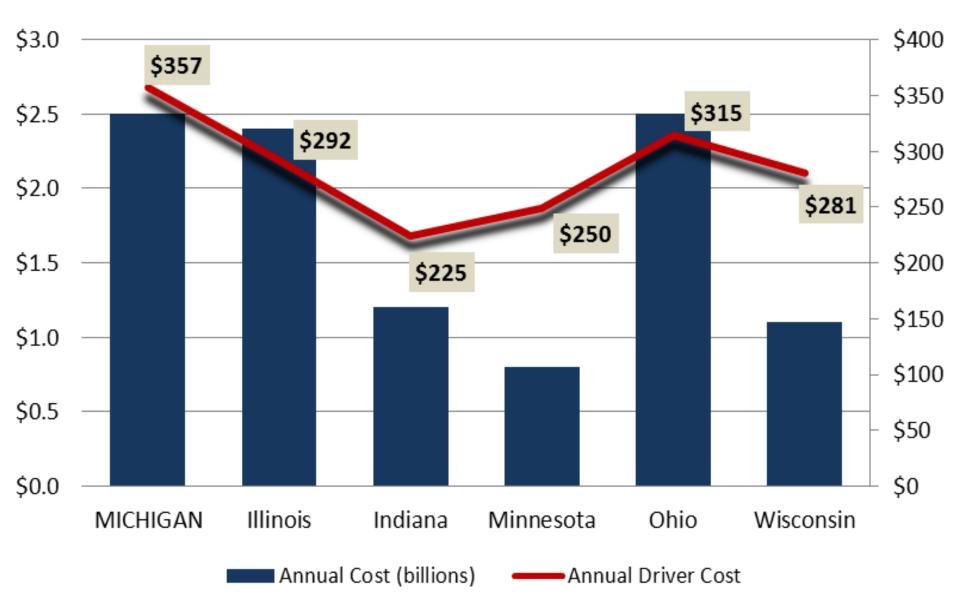
Sample State Vehicle Registration Fees



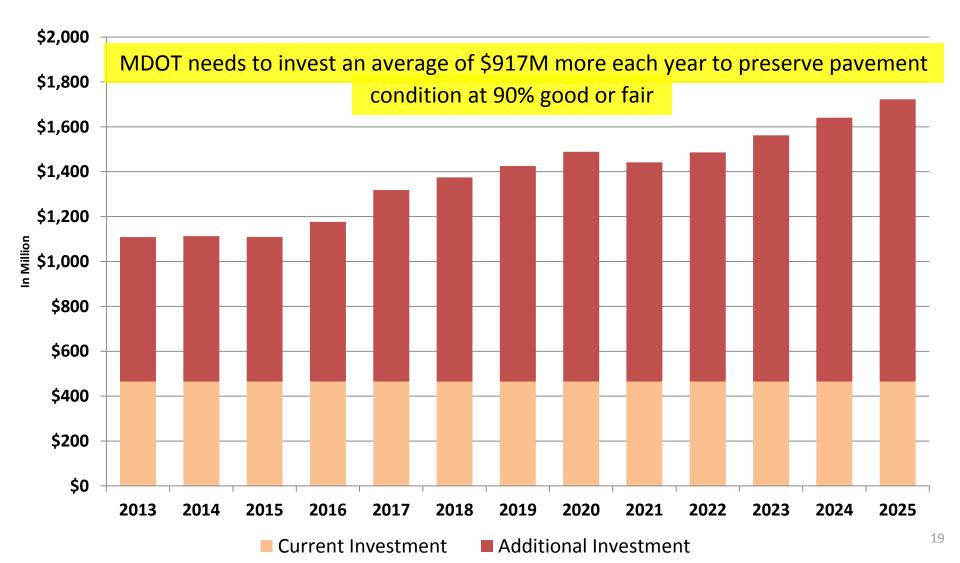
State Transportation Investment Allocation (thousands)



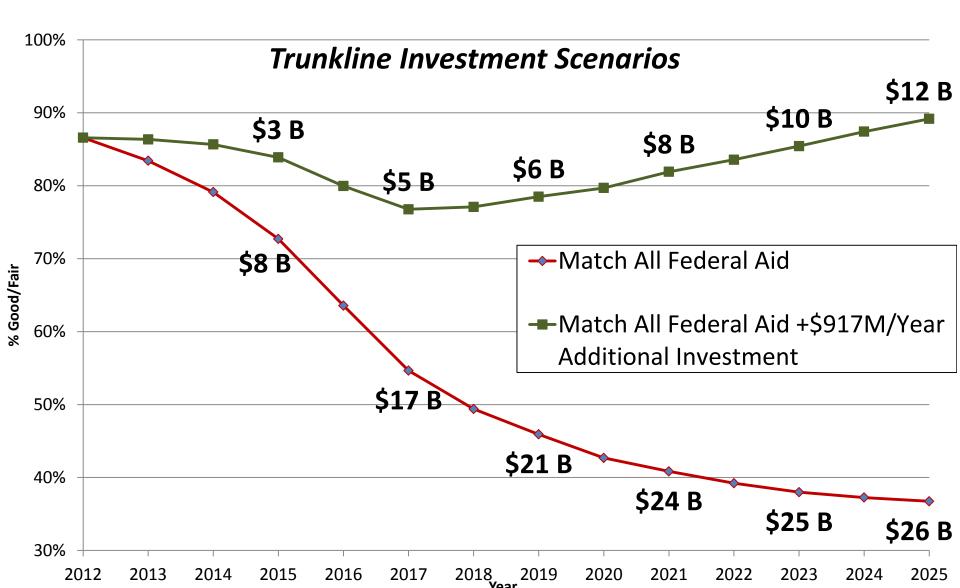
State Comparison of Vehicle Repair Costs



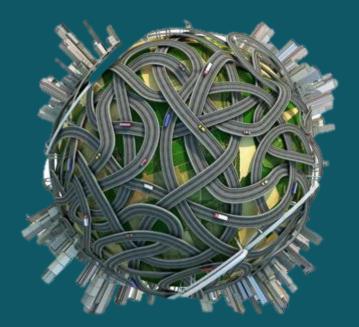
MDOT Shortfall for Pavement Preservation



Pay Now or Pay Later











Customer Service is Important Please take our customer survey: <u>www.mi.gov/mdot</u>

