



2045 REGIONAL METROPOLITAN TRANSPORTATION PLAN

A long-range vision for our future

The following materials were shared as educational visual aids at the November 8, 2017 transportation public open house. High resolution files of all eight transportation topic infographics and maps are available at movingmidmichigan.org/mediacenter.

Topics include: traffic safety and operations, pavement condition, non-motorized planning (bike and pedestrian paths), congestion management, public transit, freight planning, passenger aeronautics planning, and passenger rail planning.

Produced by the



**TRI-COUNTY REGIONAL
PLANNING COMMISSION**

Planning Mid-Michigan's Future Together Since 1956

PAVEMENT CONDITION

The Tri-County Regional Planning Commission (TCRPC) has staff who are specially trained to use the Pavement Surface Evaluation and Rating (PASER) scale to visually inspect and rate the region's federal-aid roads, along with MDOT, county, city, and village staff. PASER is a 1-10 scale that identifies four major categories of pavement distress: surface defects, surface deformations, cracks, and patches and potholes. The Transportation Asset Management Council (TAMC) then categorizes each PASER rating into a good, fair, or poor definition.

1,970

miles of roads rated

Technicians across the region visually inspected nearly 2,000 miles of federal-aid roads in 2015-16 to survey defects and serious road conditions.

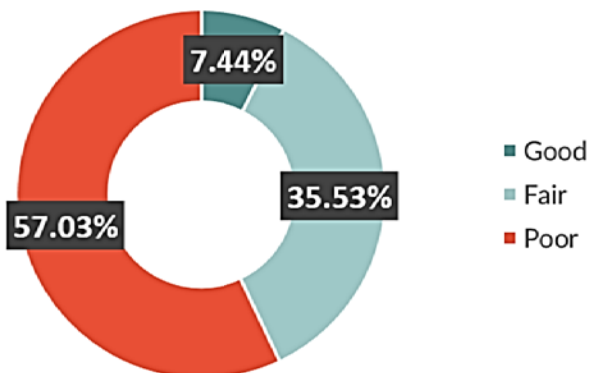
\$14.3M

total reconstruction investment in the tri-county region

TCRPC FY 2017 Data

Condition of Roads in the Tri-County Region

2015-2016 TCRPC Data



What destroys our roads?



Road Rating Trends

From 2010-11 to 2015-16



Why don't we just reconstruct all the bad roads?

Preventative maintenance is significantly more cost-effective than structural improvements or total demolition and reconstruction.

every **\$1** invested on preserving a road in **good** or **fair** condition can save as much as **\$6-14** in reconstruction costs

What is asset management?

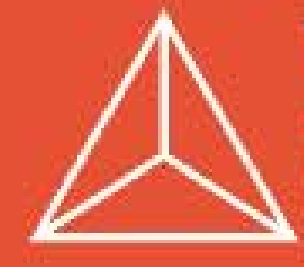
Asset management is the systematic process of developing, operating, maintaining, and upgrading physical objects. In this case, it's weighing the pros and cons of cost versus how long certain road fixes will last, but you do it every day if you make repairs on a car or house!

	10 & 9	8	7 & 6	5	4	3	2	1
PASER	Excellent	Very Good	Good	Fair	Fair	Poor	Very Poor	Failed
TAMC	GOOD			FAIR		POOR		

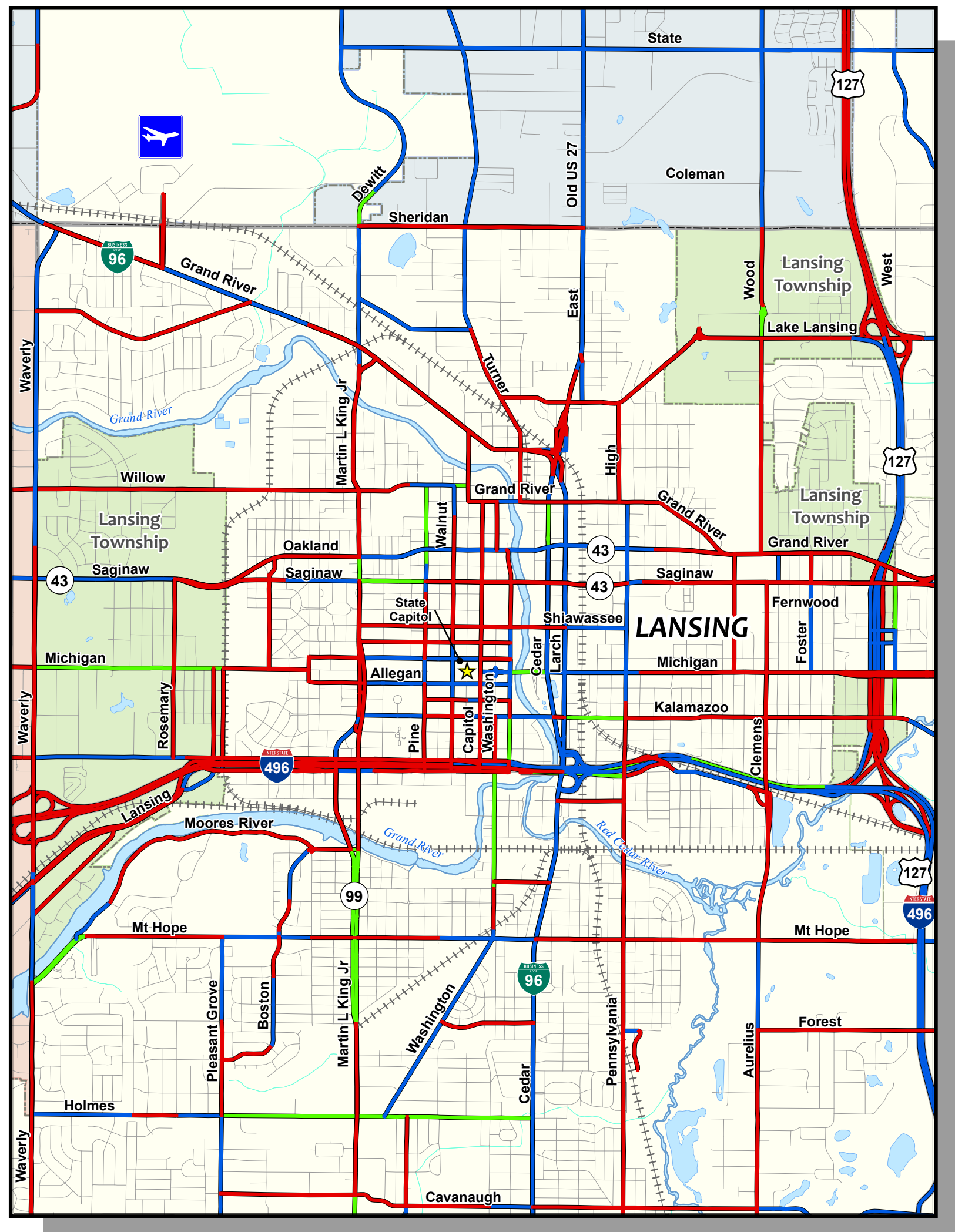


PASER vs. TAMC Rating Scale

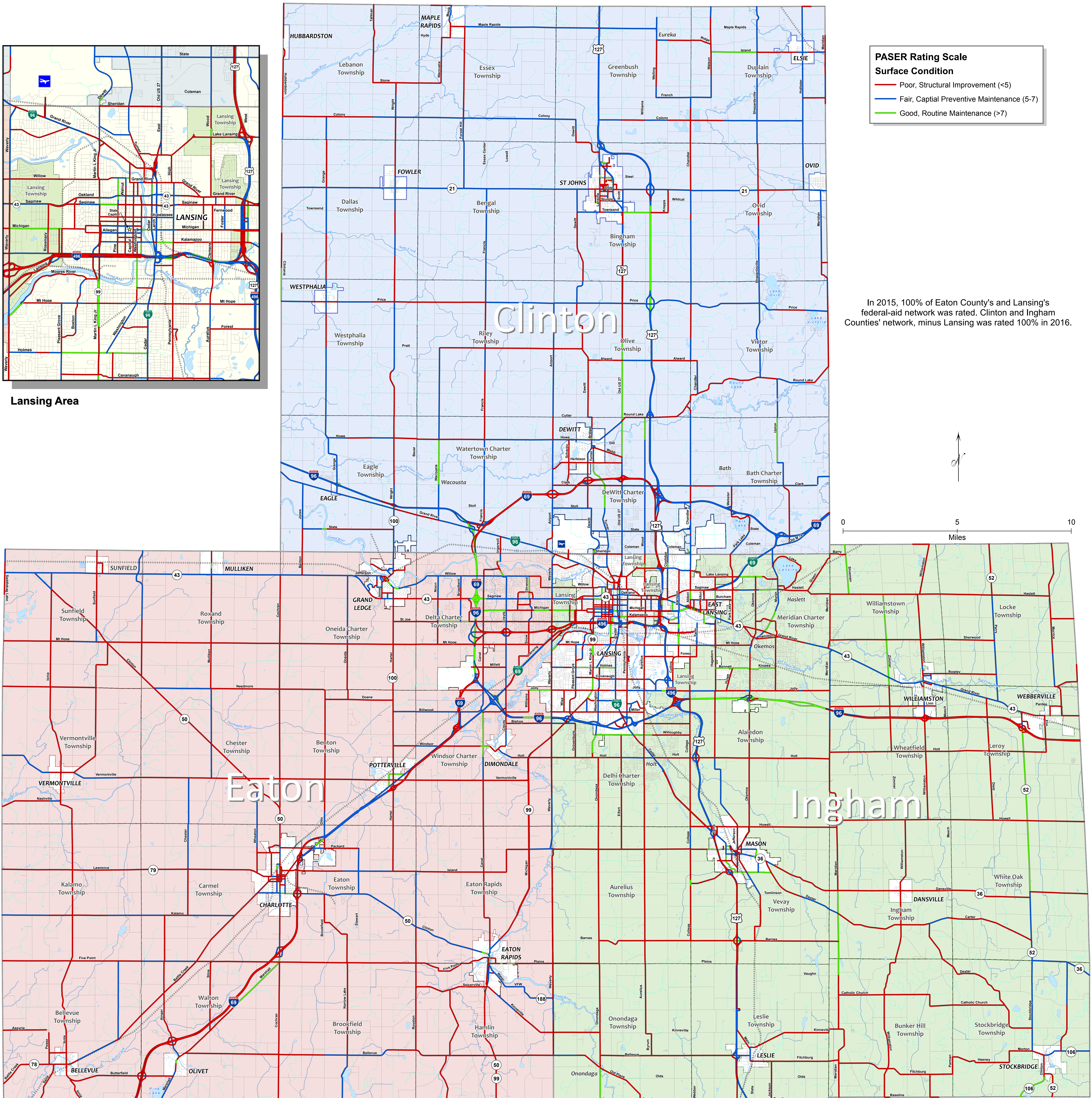




ROADWAY PAVEMENT CONDITION (2015-16) FOR CLINTON, EATON, AND INGHAM COUNTIES



Lansing Area



PASER Rating Scale	
Surface Condition	
—	Poor, Structural Improvement (<5)
—	Fair, Capital Preventive Maintenance (5-7)
—	Good, Routine Maintenance (>7)

In 2015, 100% of Eaton County's and Lansing's federal-aid network was rated. Clinton and Ingham Counties' network, minus Lansing was rated 100% in 2016.



0 5 10
Miles