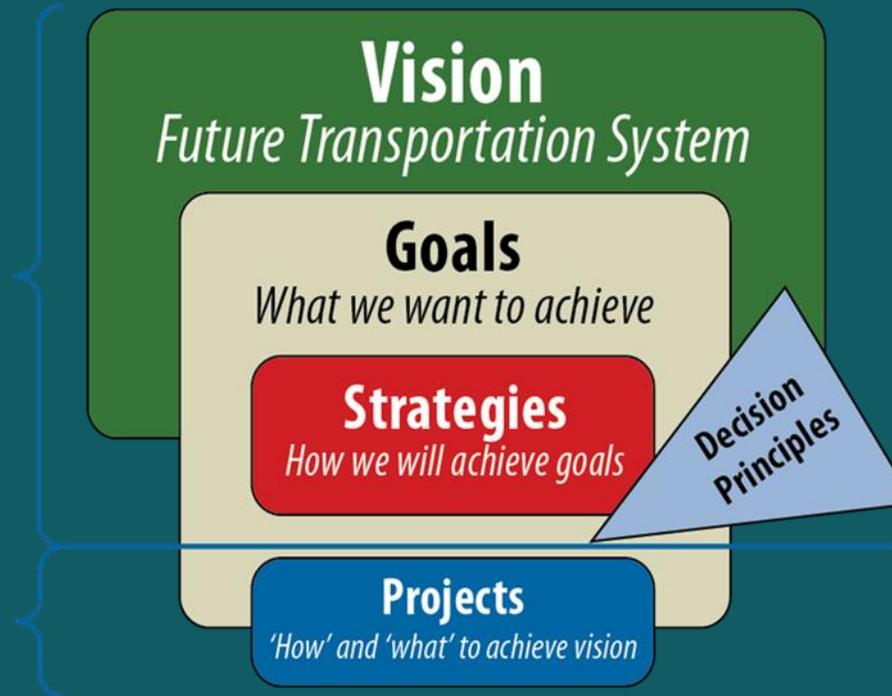


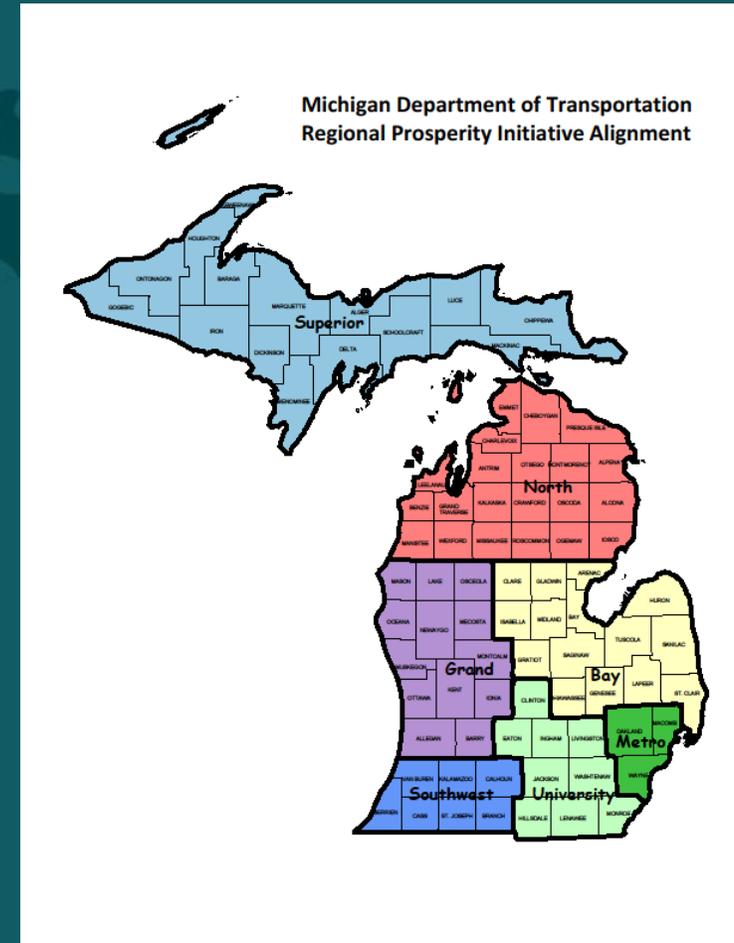
# Grand Region State Long-Range Plan Implementation



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2040 State Long-Range Transportation Plan



# New MDOT Grand Region boundary as of Oct. 1, 2015



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# Nonmotorized bridge over M-66 in Ionia on an abandoned railroad grade



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# Accessibility: ADA sidewalk ramp improvements coordinated with roadway project construction



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# Environment: Cypress Road removal with M-231 project, with upland and wetland habitat restoration



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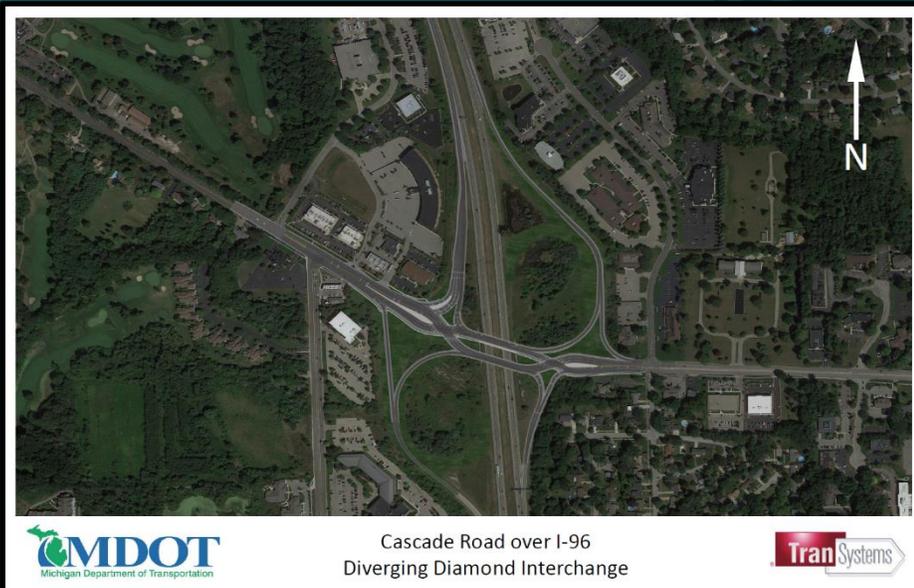
# Nonmotorized and Environment: Hart-Montague Trail improvements and stream erosion mitigation



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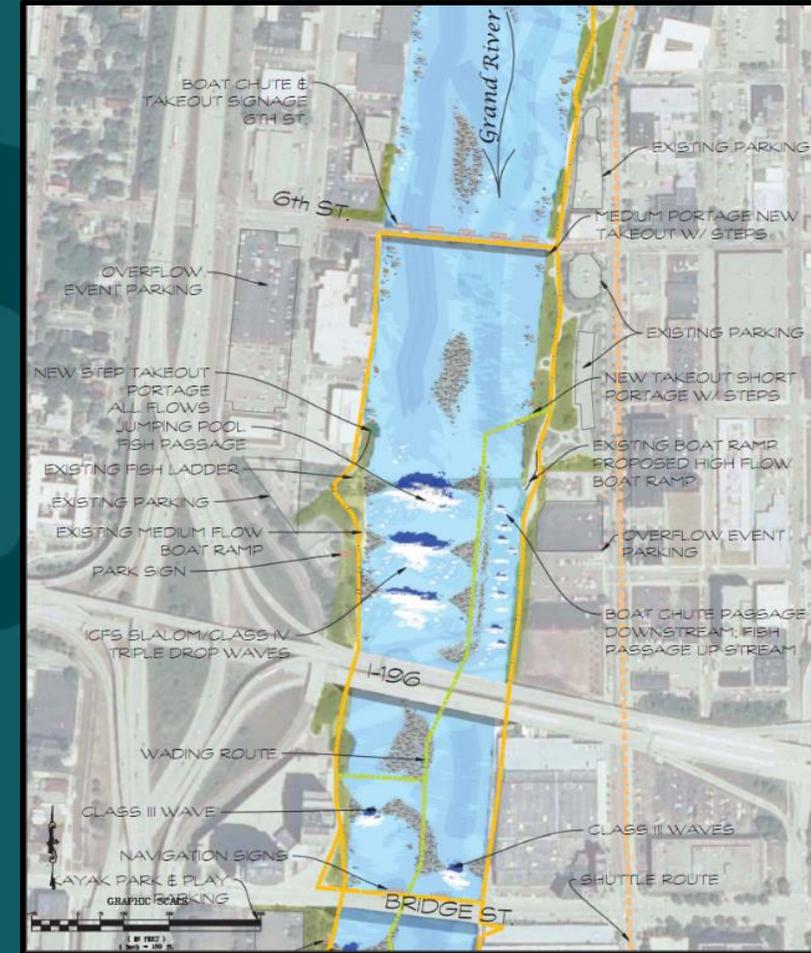
# Safety: I-96/Cascade Road Diverging Diamond Interchange in Grand Rapids Township



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# Partnerships: Westbound I-196 over the Grand River and the river restoration project in Grand Rapids



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# Funding Partnerships/Project Coordination: I-196 in Grand Rapids, with federal ARRA funds for the I-196 freeway and local funding for sidewalks



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# Transit: Proposed Laker Line BRT along M-45 in Grand Rapids and Ottawa County



**LAKER LINE BUS RAPID TRANSIT (BRT)**  
 LOCALLY PREFERRED ALTERNATIVE (LPA) - GRAND RAPIDS, MICHIGAN

**LAKER LINE STATION**  
**LAKER LINE & SILVER LINE STATION**  
 BRT PRIORITY LANE  
 BRT MIXED TRAFFIC  
 1/4-1/2 MILE KEY CORRIDOR ACTIVITY CENTERS

The locally preferred Laker Line BRT alignment will connect the Grand Valley State University (GVSU) Allendale Campus through the City of Walker (Standale), into the west side of GVSU Pew Campus, through downtown Grand Rapids, then terminating at the GVSU Center for Health Science Campus on Medical Mile.

**LAKER LINE BRT DESCRIPTION**

<b>Length:</b> 13.3 miles	<b>Cost Effectiveness:</b> \$0.68 per rider (FTA Rating = High)
<b>Number of Stations:</b> 14	<b>Station-Area Population Density:</b> 3,364 people per sq. mi. (average)
<b>Frequency:</b> 6 minute peak 10-15 minute off peak	<b>Station-Area Job Density:</b> 9,271 jobs per sq. mi. (average)
<b>Number of BRT Vehicles:</b> 13	<b>Key Corridor Demographics:</b> Zero-Car Households: 16% Low-Income Population: 31% Minority Population: 24%
<b>Capital Cost (YOE 2014):</b> \$64.2 million	
<b>Annual Operating Cost (YOE 2014):</b> \$4.0 million (Annual system cost + 3.1%)	
<b>Average Daily Ridership:</b> 13,000 (+13% over existing Routes 50 & 51)	

**Michigan's first Bus Rapid Transit (BRT) opened in August 2014. Under budget & ahead of schedule. 40% increase in corridor ridership since opening.**

www.lakerline.org

Source: Street Centerlines, Water, & Political Boundaries - RTIS 2013  
 By: Nicholas Morozov - The Rapid, 2015



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 2040 State Long-Range Transportation Plan



# Multi-Modal: M-231 bridge over the Grand River with multi-use (nonmotorized) lane in Ottawa county



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2040 State Long-Range Transportation Plan



# Innovation: I-96 bridge slide project at M-50



*M-50 over I-96  
August 2, 2014  
Michael Eastman*



*M-50 over I-96  
August 31, 2014  
Michael Eastman*



*M-50 over I-96 Bridge Slide  
October 18, 2014  
Michael Eastman  
skycapture@gmail.com*

**Moving Michigan Forward**  
2040 State Long-Range Transportation Plan



**Innovation:** I-96 carpool lot expansion at M-50,  
with on-site water run-off mitigation  
and I-96/M-44 carpool lot solar panels

