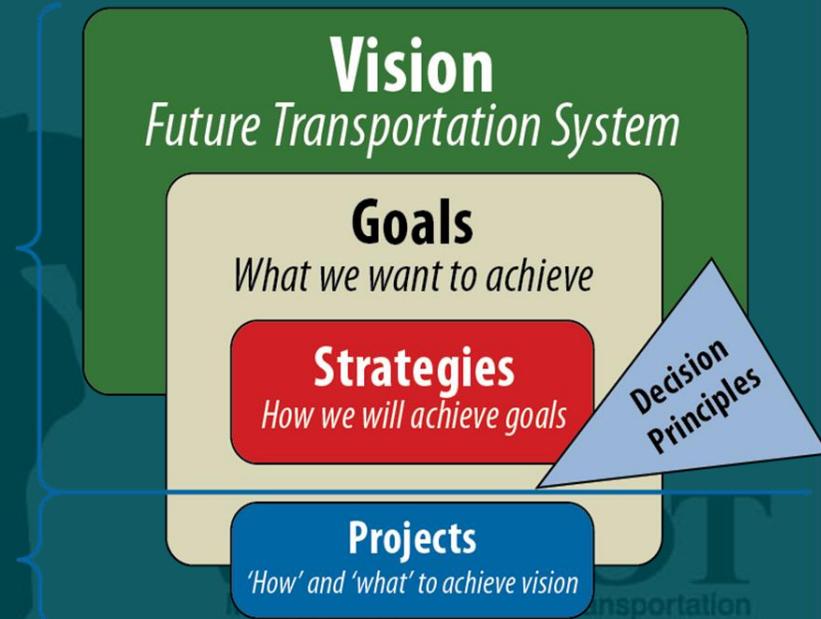




Moving Michigan Forward

2040
State Long-Range
Transportation Plan



OVERVIEW

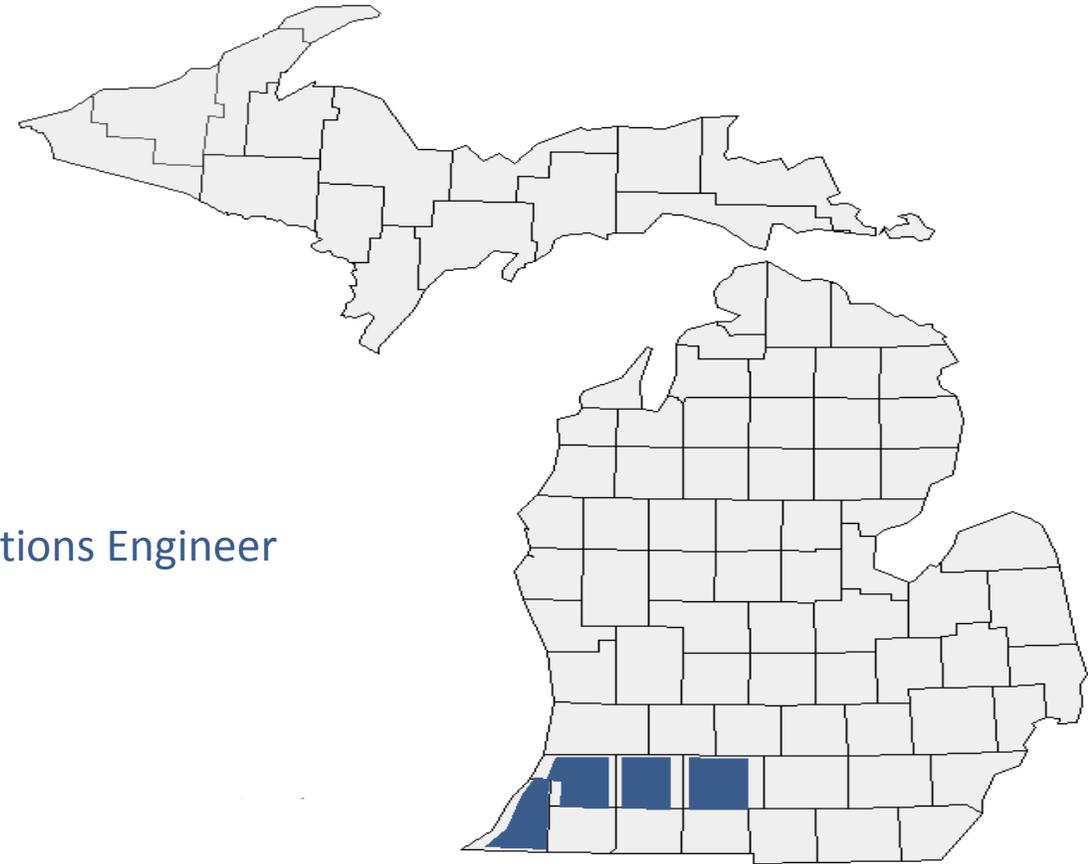
- I-94 Corridor Safety Review Project
- I-94 in Berrien County
- I-94/40th Street Interchange
- M-86 Historic Bridge Relocation
- 2017 Project Preview in Albion

Moving Michigan Forward
2040 State Long-Range Transportation Plan





I-94 Corridor



➤ Corridor Safety Review

Steve Brink | Region Traffic, Safety and Operations Engineer

Corridor Safety Review

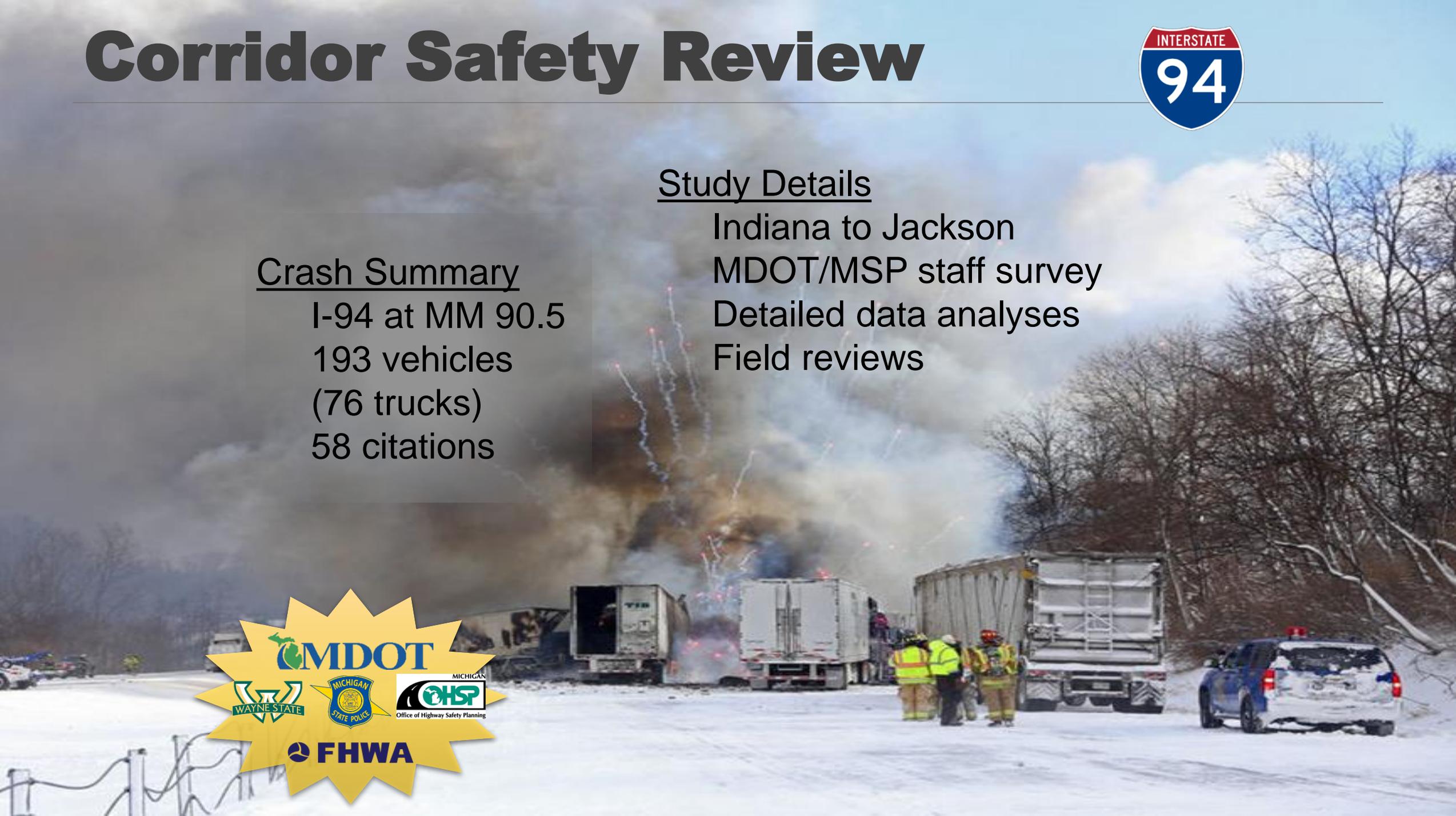


Study Details

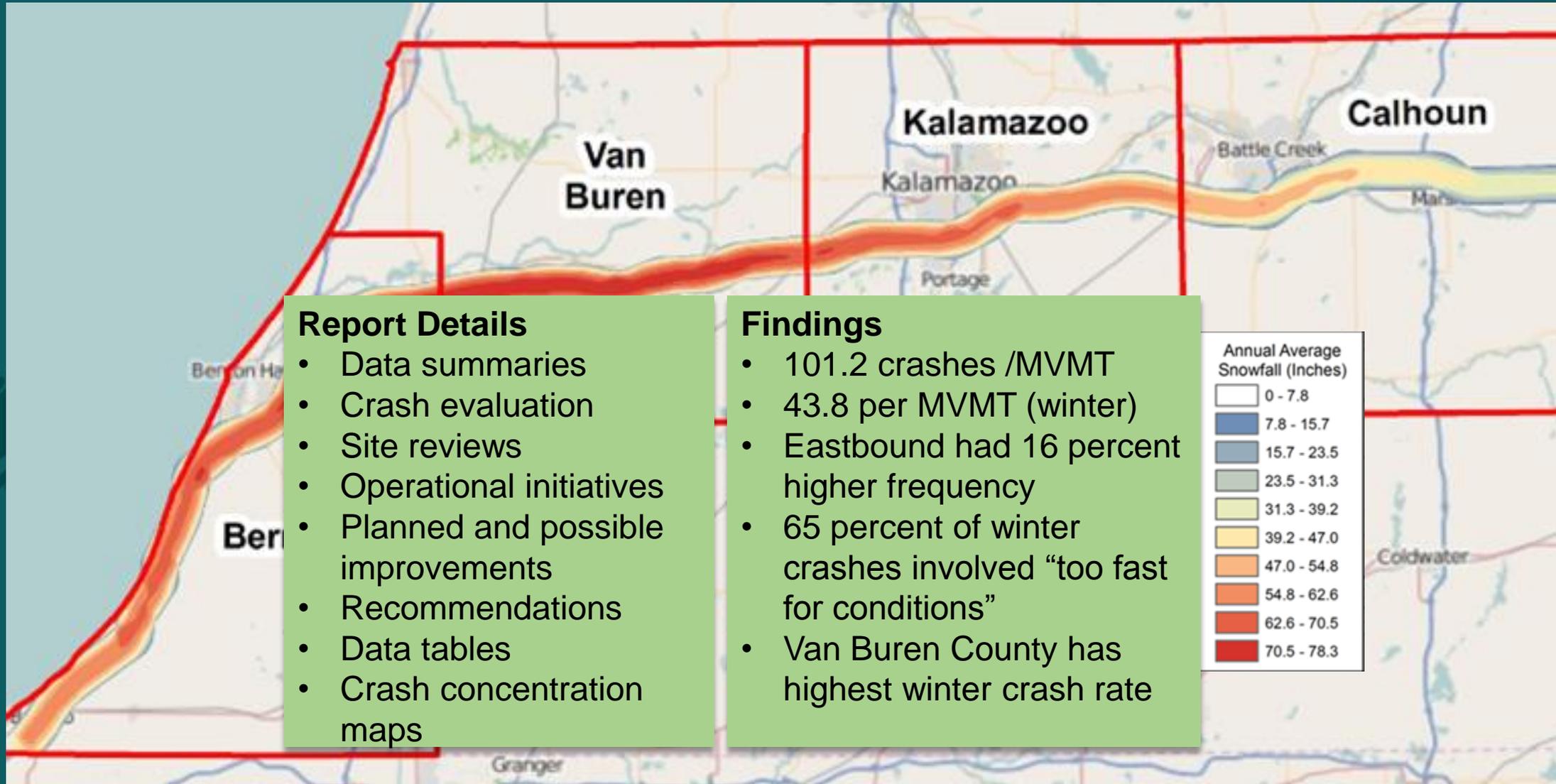
Indiana to Jackson
MDOT/MSP staff survey
Detailed data analyses
Field reviews

Crash Summary

I-94 at MM 90.5
193 vehicles
(76 trucks)
58 citations



Corridor Safety Review



Corridor Safety Review

- Recommendations

- Continue data-driven crash mitigation efforts
- Continue improving operational and roadway maintenance
- Continue improving driver behavior

- Site-Specific Recommendations and Options

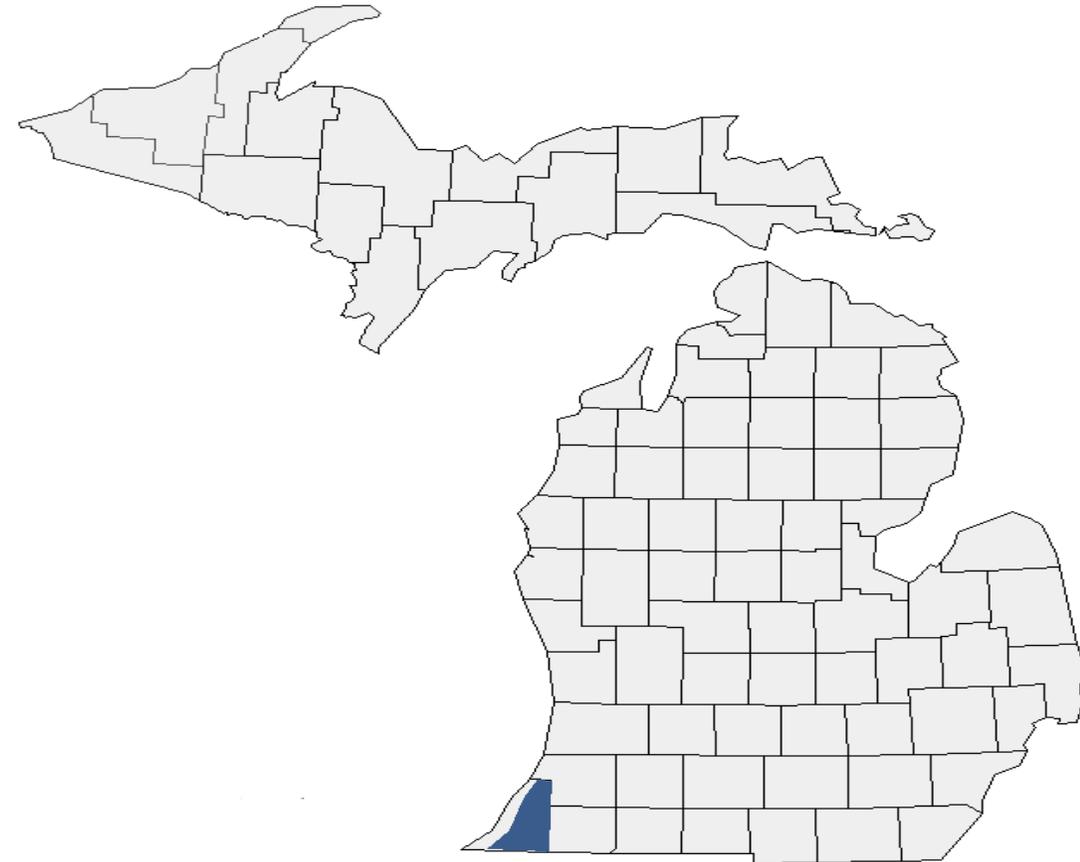
- Upcoming Related Projects This Year

- Environmental sensor stations
- Resurfacing and super correction MM 16-23
- Resurfacing MM 81-88
- 40th Street interchange (Exit 88)
- High-friction treatments
 - US-131 interchange
 - Mile 92-93
- Signing upgrades in Kalamazoo and Calhoun counties





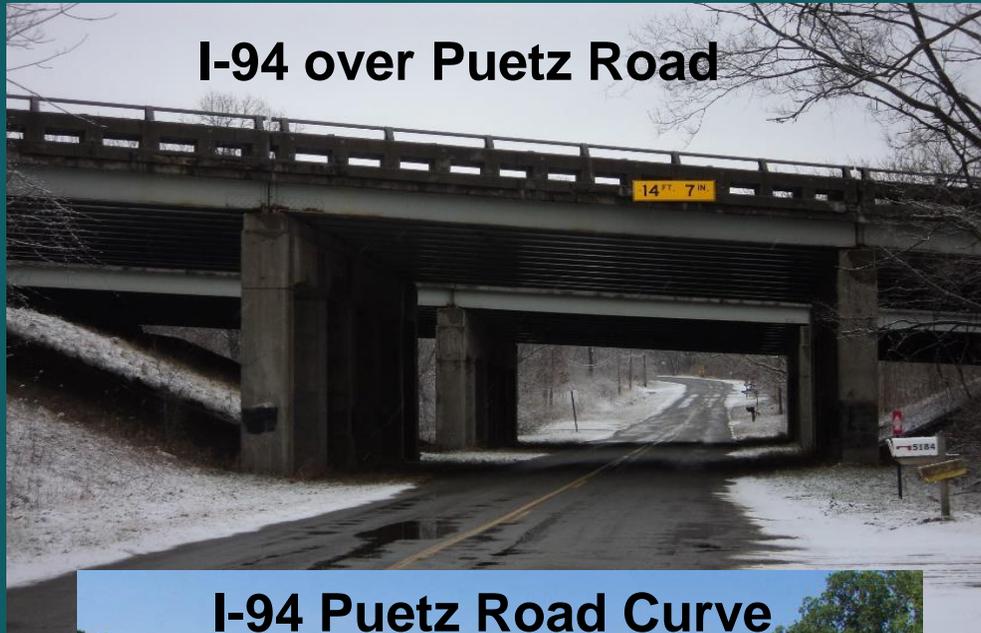
Berrien County



➤ Westbound I-94 from MM 16 to 23

Pete Pfeiffer |

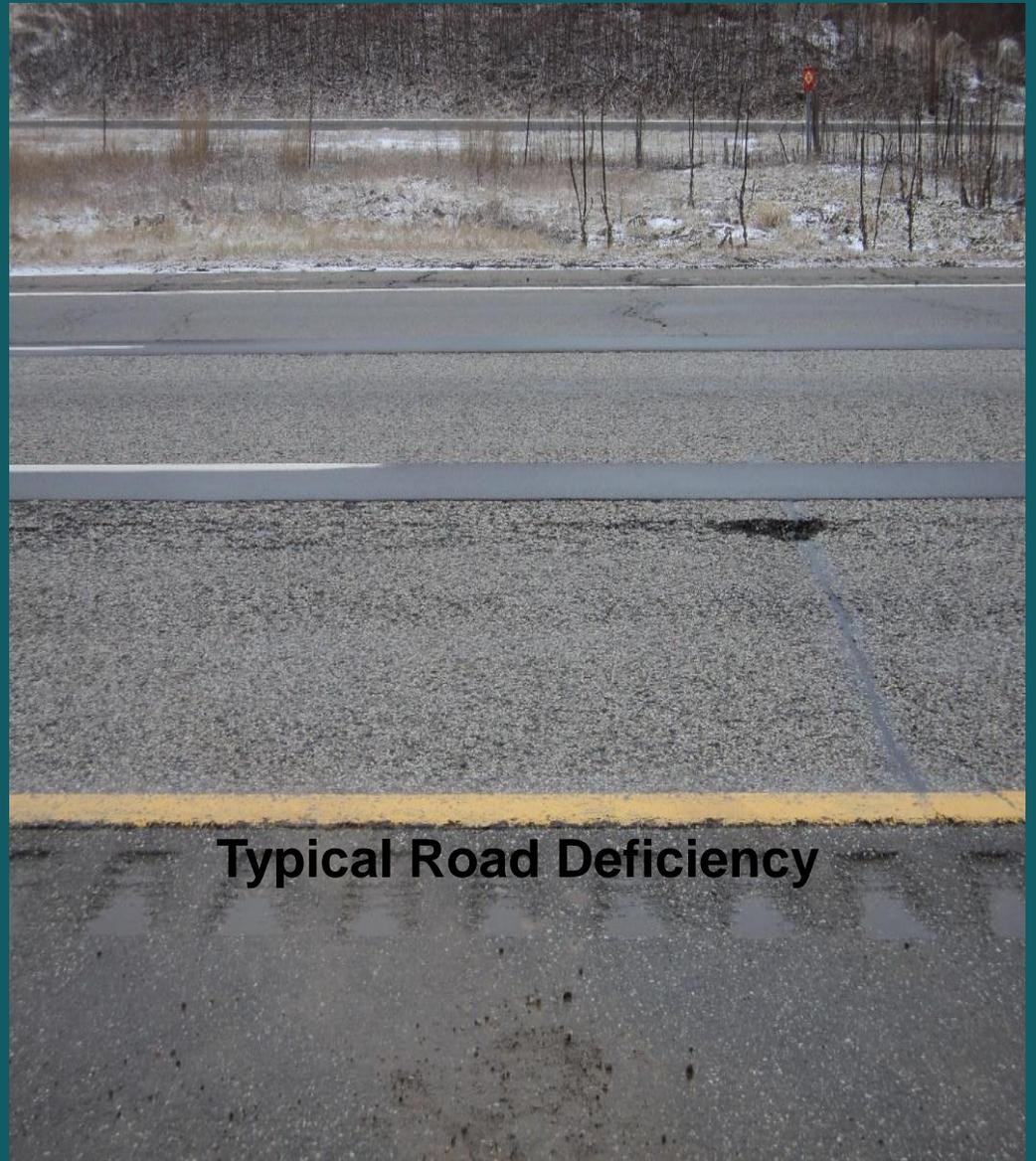
Coloma Business Office



I-94 over Puetz Road



I-94 Puetz Road Curve



Typical Road Deficiency

Westbound I-94 from MM 16 to 23



- ❖ Bid price: \$13.9 million
- ❖ Start date: March 2016
- ❖ Completion: October 2016
- ❖ 7.36 miles of HMA cold milling and overlay
- ❖ Geometric improvement at Puetz Road curve
- ❖ Puetz Road and Lost Dunes structure widening and rehabilitation
- ❖ Five-year materials and workmanship pavement warranty
- ❖ Traffic volume
 - ❖ Westbound I-94: **22,675** ADT
 - I-94 WB from MM16 to MM23

Traffic Impacts

- ❖ Ramps **closed** and **detoured**
- ❖ Maintain **two lanes** on I-94 (except at night)
- ❖ Lost Dunes Road **signalized**
- ❖ Puetz Road **detoured**



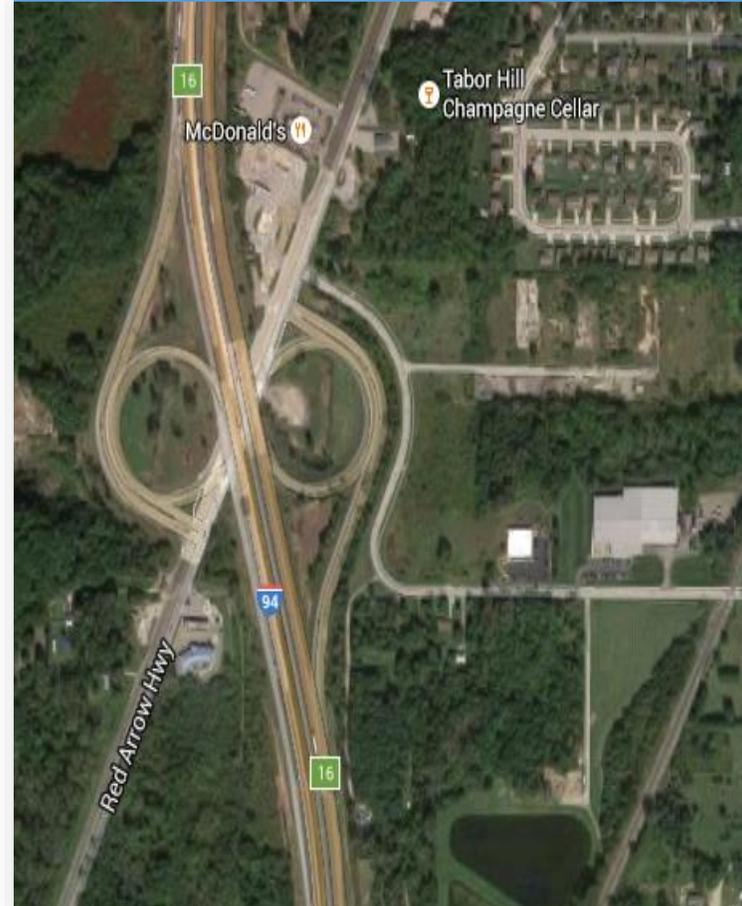
Westbound I-94 from MM 16 to 23

Community Impacts

Stevensville



Bridgman



Westbound I-94 from MM 16 to 23

Business Relations

- ❖ Prior to project start: Distribute construction brochures
- ❖ Answer business questions during brochure handout



Westbound I-94 from MM 16 to 23

www.michigan.gov/mdot

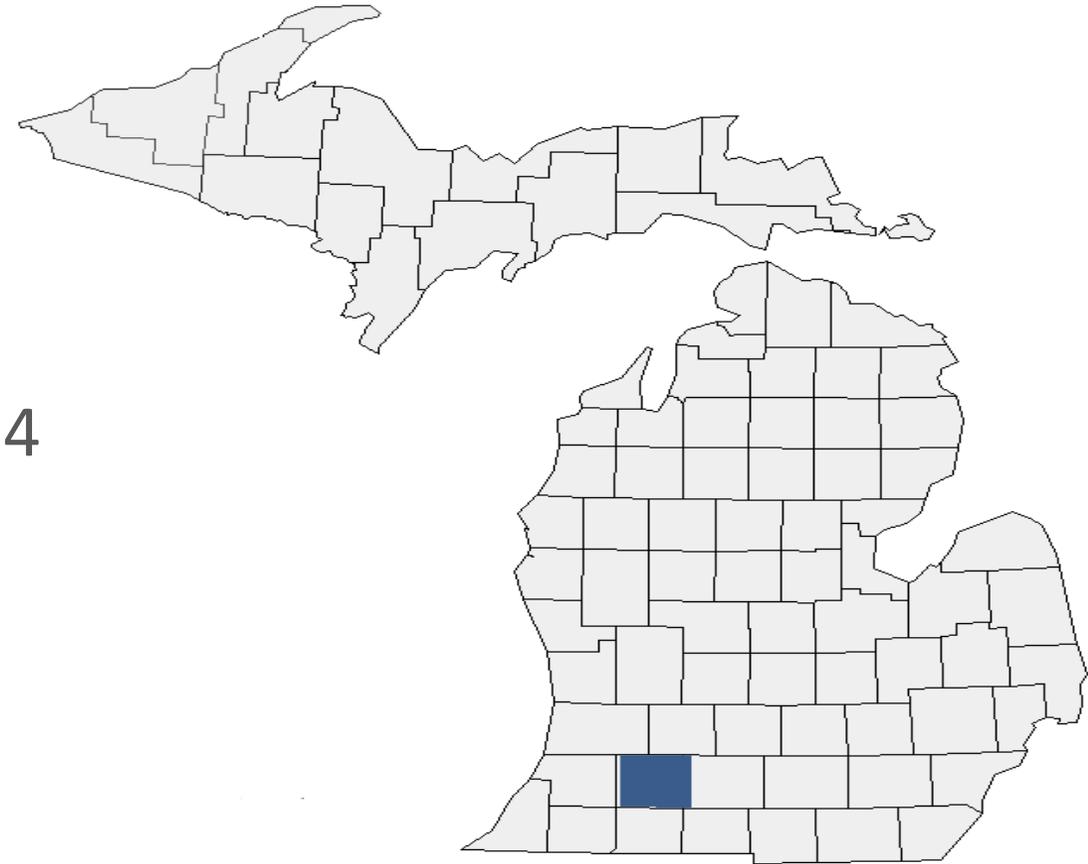
Communication Plan

- ❖ News releases/milestone news releases
- ❖ Mi Drive/LCAR



Westbound I-94 from MM 16 to 23

www.michigan.gov/mdot



➤ 40th Street (E. Michigan Avenue) over I-94

Pete Pfeiffer | Kalamazoo TSC



- ❖ Bid price: \$12.2 million
- ❖ Start date: March 2016
- ❖ Completion: Sept. 30, 2016
- ❖ DBE 5 percent
- ❖ Traffic volume
 - ❖ I-94: 56,100 ADT
 - ❖ E. Michigan Avenue: 3,000 ADT

Westbound I-94 from MM 16 to 23



40th Street (E. Michigan Avenue) over I-94

Community Impacts

- ❖ Local **detours** for ramps
- ❖ East  **Open** throughout project



40th Street (E. Michigan Avenue) over I-94

Business and Public Relations

- ❖ Meetings with local businesses
- ❖ E-mail network for information
- ❖ Social media updates
- ❖ Construction brochures

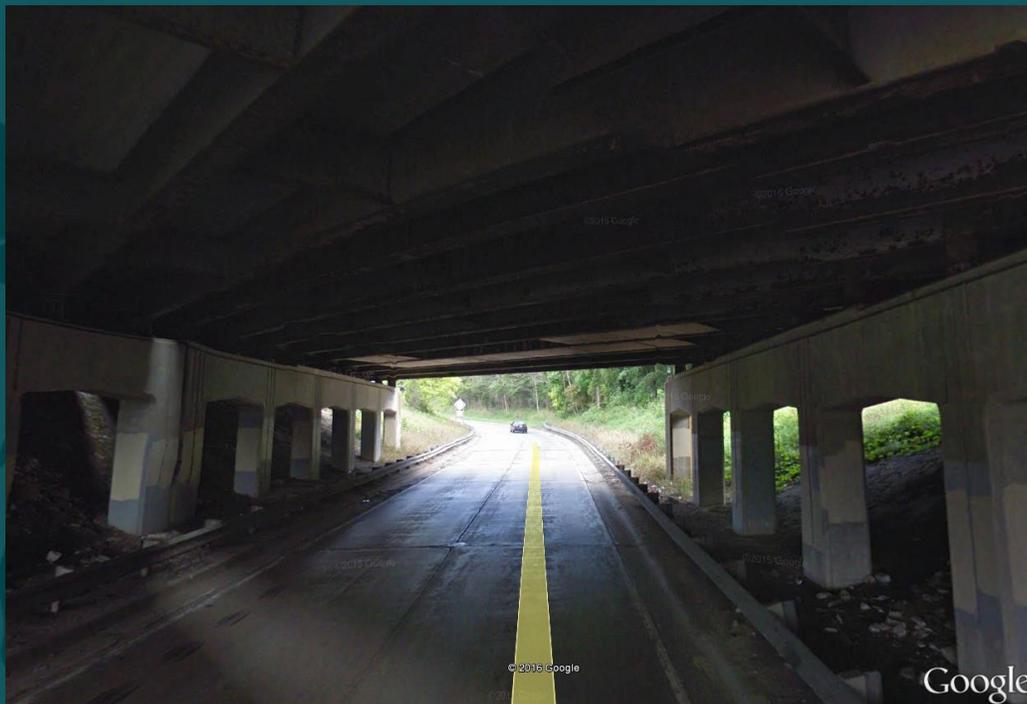


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Public Benefits

- ❖ Improve traffic flow
- ❖ Improve safety
- ❖ Improve ride quality



Innovations

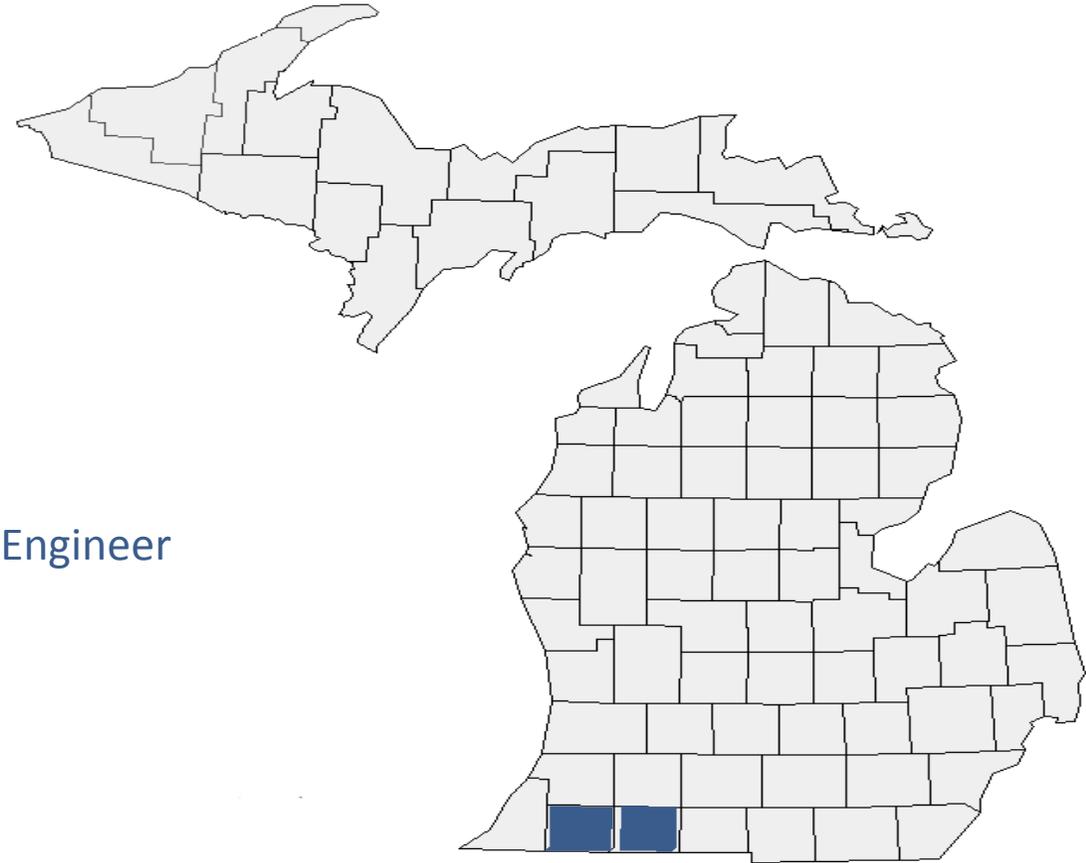
- ❖ Precast bridge elements
- ❖ Military security clearance for workers near Fort Custer



**SECURITY
CLEARANCE
REQUIRED**

**TO ENTER THIS
AREA!**

Cass and St. Joseph Counties



➤ M-86 Historic Bridge Relocation

Andy Stamm | Southwest Region Construction Engineer

Historic Pony Truss



❖ Built in **1923**

❖ National Register



M-86 Historic Bridge Relocation

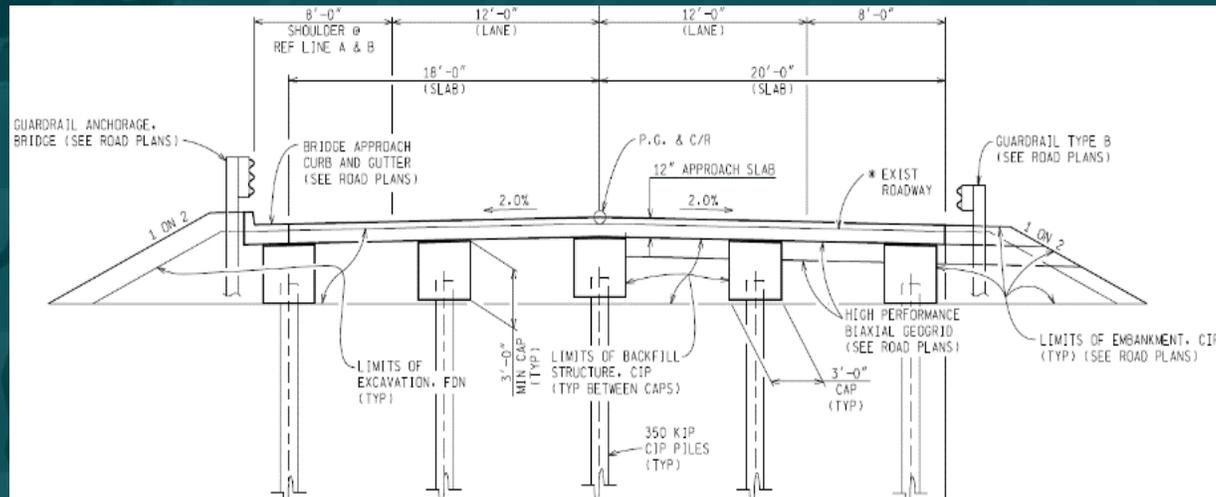
www.michigan.gov/mdot



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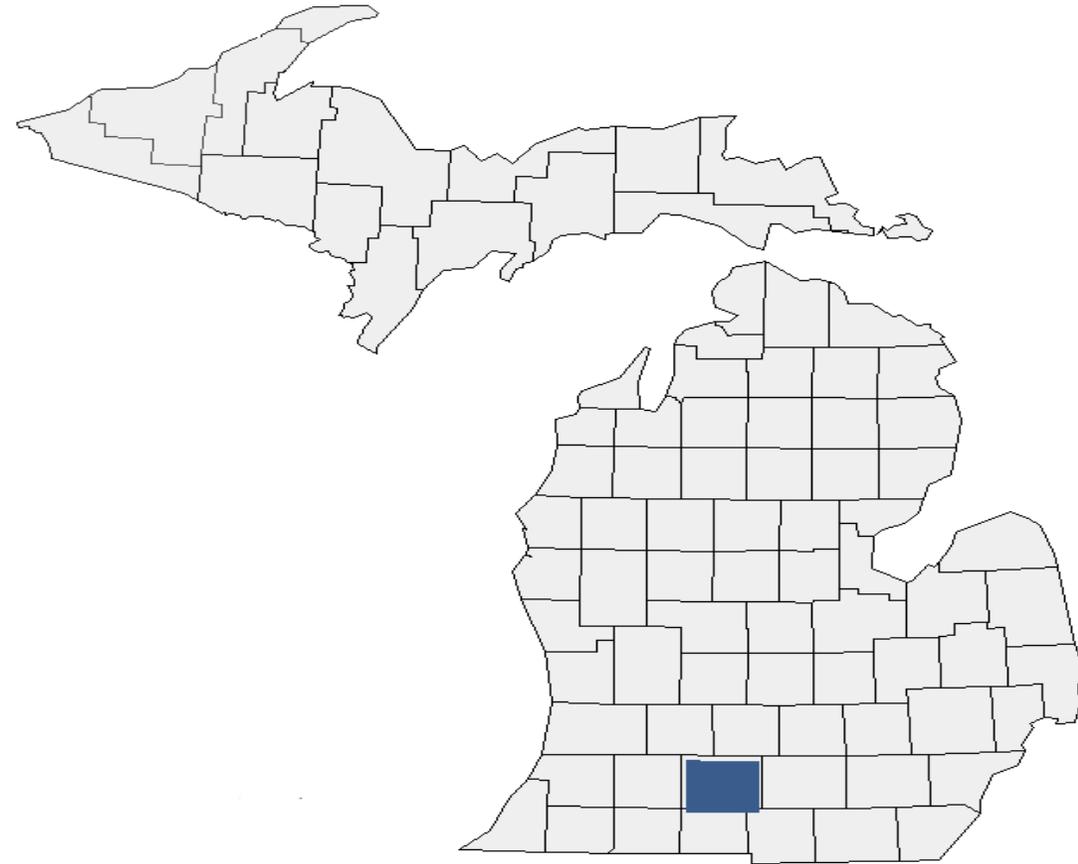
Innovations

- ❖ Bulb T beams with carbon fiber composite cables
- ❖ Pile-supported bridge approaches



➤ M-99 (Superior Street) Reconstruction

Mark Dionise | Marshall TSC





M-99 (Superior Street) Reconstruction

- Construction: 2017
- Cost estimate: \$4 million (0.37 Miles)
- Key items:
 - Historic brick paver replacement = **SHPO!!**
 - Municipal **water main** replacement
 - **Four-lane to three-lane** conversion
 - ADT = **5,800**
 - Project collaboration
 - City of Albion and Albion College
 - New hotel development
 - **Railroad** coordination

