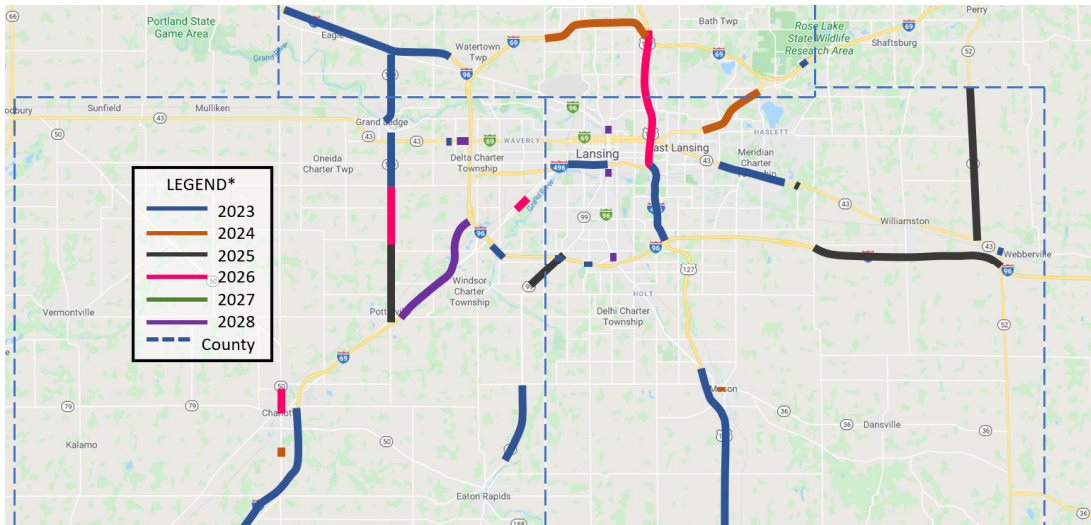




MDOT, Lansing TSC Program Update

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Lansing TSC 5 Year plan



Lansing TSC oversees state trunkline, I, US, and M routes in Eaton, Ingham and Clinton counties.

This first map is an overview of all the pavement and bridge projects the TSC currently has in our 5 year plan. It also includes projects that are currently under construction. The second map zooms in a little so you can see the tremendous amount of work we have planned in the Lansing area.

These projects vary from basic preventive maintenance type work, to major rehabilitation, to full reconstruction with operational improvements.

Major Projects Under Construction

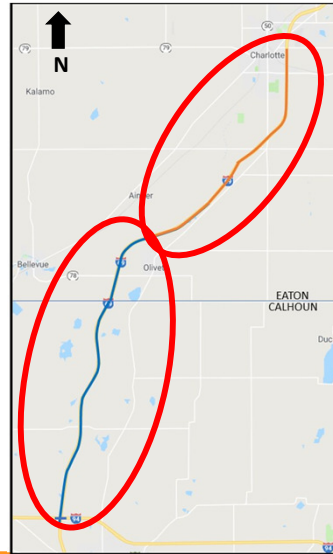


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The 2023 construction season is mainly a continuation of the large projects that we all drove through last year or the year before.

I-69 From I-94 to Island Hwy

- Rural two-lane interstate
- 20,000 - 30,000 vehicles per day
- 24 mile reconstruction
- 26 bridges rehabilitated
- 1 bridge replacement
- Approx. cost: \$210,000,000
- Rebuilding occurs 2021-2023
 - 2021: Ainger Road to Island Highway
 - 2022: I-94 to Ainger Road (northbound)
 - 2023: I-94 to Ainger Road (southbound)



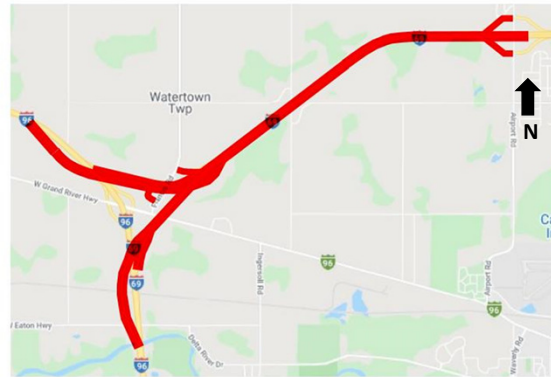
We are currently in year 3 of this 24 mile long project from I-94 to Island Highway, Charlotte, MI. This project was a full reconstruction project that crosses from the Lansing TSC in University Region into the Marshall TSC in the Southwest region.

The project is a 210M investment that is also addressing 27 bridges.

The first year reconstructed Ainger Rd to Island Hwy
The second year reconstructed NB from I-94 to Ainger Rd
And this year we will be reconstructing SB from I-94 to Ainger Rd.

I-69 From I-96 to Airport Rd.

- Rural two-lane interstate
- Approx. 30,000 vehicles per day
- 5.28 mile reconstruction
- 13 bridges rehabilitated
- Approx. cost: \$65,000,000
- Rebuilding occurs 2021-2023
 - 2021: West Bound to South Bound Ramp
 - 2022: Mainline and ramp reconstruction
 - 2023: Top course of Eastbound and Bridge rehab



Another stretch of I-69 is also in year 3 is from I-96 to Airport Rd in Dewitt (northwest side of Lansing) This was a full road reconstruction This project is almost complete with only the EB top course of paving and some bridge deck rehabilitations left this year.

US-127 Ingham/Jackson CL to M-36

- Rural two-lane interstate
- 22,000 - 35,000 vehicles per day
- 12 mile rehabilitation
- 10 bridges rehabilitated
- Approx. cost: \$67,000,000
- Rebuilding occurs 2022-2023
 - 2022: Drainage work, Resurfacing Kipp Rd north to M-36
 - 2023: Resurfacing from Kipp Rd south to the Ingham/Jackson County Line



6

The next project is on US-127 from M-36 in Mason to the Ingham/Jackson County line in Leslie. This project is in its second year of construction. This roadway is receiving a major road rehabilitation, with extensive drainage improvements and the addition of a median guardrail system as well as preventive maintenance on 10 bridges.

Capital Preventive Maintenance (CPM) and Rehabilitation

1. Kipp Road over US-127
2. Barnes Road over US-127
3. Covert Road over US-127
4. Bellevue Road over US-127
5. M-36 EB (Cedar Street) over US-127
6. M-36 WB (Cedar Street) over US-127
7. Columbia Road over US-127
8. South Street over US-127
9. US-127 over Huntoon Creek
10. US-127 NB Off Ramp over Huntoon Creek

Bridge Work Constructed Part width

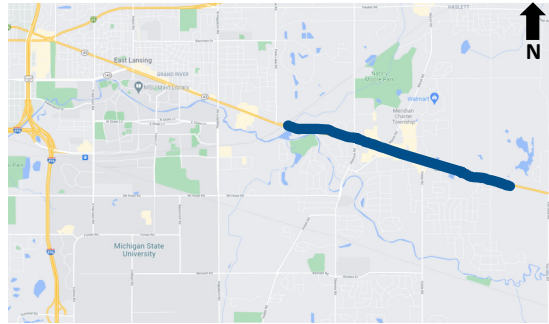
1. M-36 EB (Cedar Street) over US-127
2. M-36 WB (Cedar Street) over US-127
3. Columbia Road over US-127 (Temp Signal)
4. Kipp Road over US-127 (Temp Signal)
5. Bellevue Road over US-127 (Temp Signal)

Bridge Work Constructed with Full Closure & Detour

1. South Street over US-127
2. Barnes Road over US-127
3. Covert Road over US-127

M-43 (Grand River) Park Lake Rd to Oak Pointe Ct

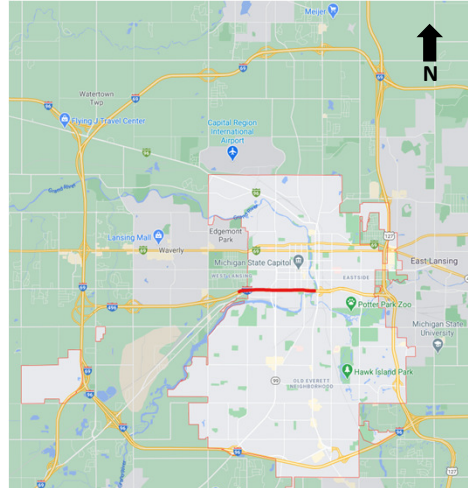
- Urban five-lane
- 16,400 - 25,600 vehicles per day
- 3.2 mile Rehabilitation
- 0.45 miles of full reconstruction
- Approx. Cost: \$15,000,000
- Road work occurs 2022-2023



Year 2 of work on M43 in Meridian Township is underway. This project is a major rehabilitation project with 2 areas of reconstruction that were built last year to raise the road to prevent future flooding. The project required extensive coordination with the local community as well as the County who were also replacing the Okemos Road bridge just south of M-43. This year they are finishing up sidewalk ramps, CATA bus stops, Pedestrian Refuge islands, and paving the remaining bad sections. Paving will be in late June or after the 4th of July due to some festivals we are working around.

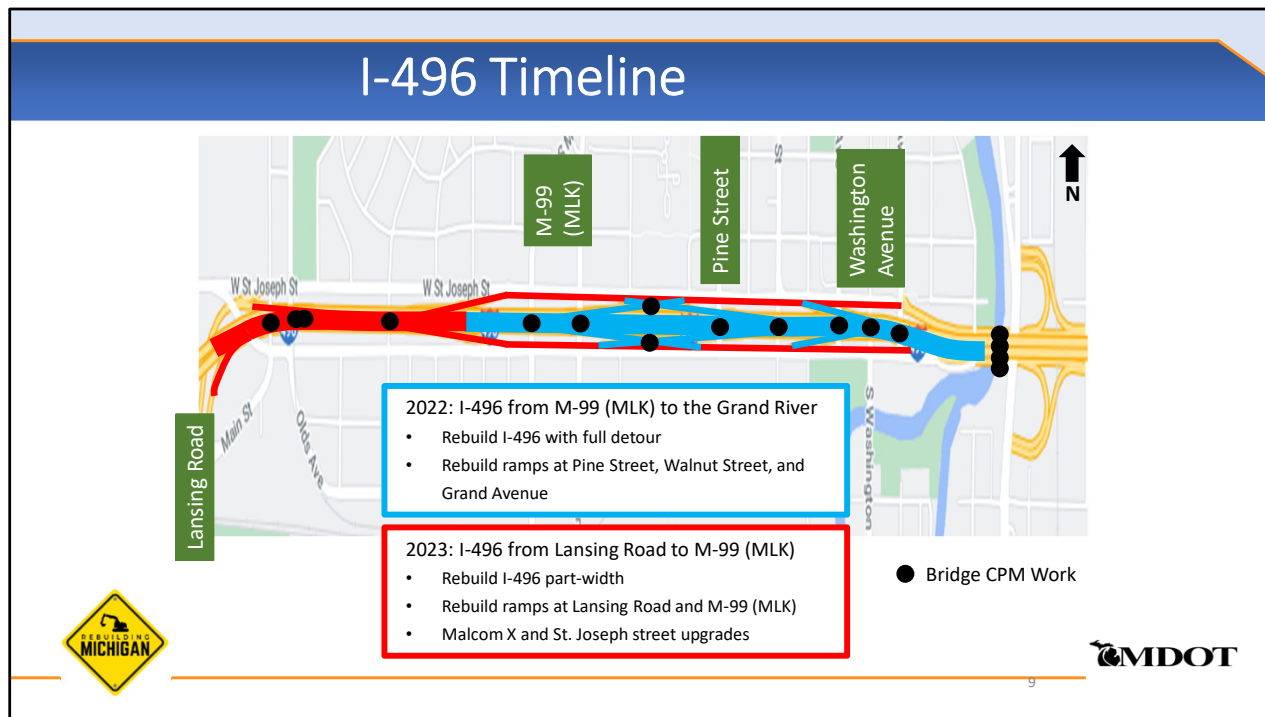
I-496 Lansing Rd to the Grand River

- Urban two-lane interstate
- 60,000 - 65,000 vehicles per day
- 2 mile reconstruction
- 17 bridges rehabilitated
- Approx. cost: \$82,000,000
- Rebuilding occurs 2022-2023
 - 2022: M-99 (MLK) to Grand River
 - 2023: Lansing Rd to M-99 (MLK)



8

And the last project that has entered year 2 of construction is the I-496 project from Lansing Rd to the Grand River.

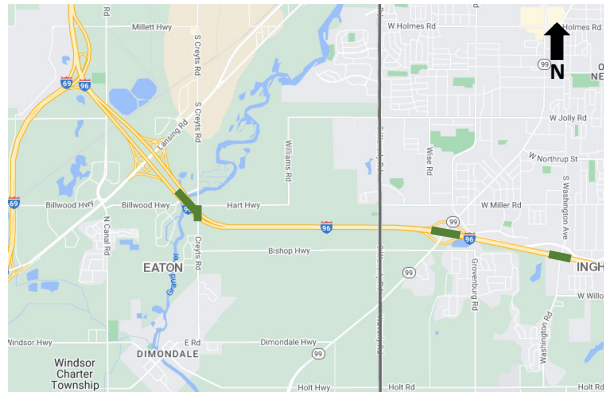


The 2022 work focused on rebuilding I-496 under a full closure between MLK (M-99) and the Grand River. This years focus is rebuilding I-496 part-width between Lansing Rd and MLK (M-99) and resurfacing Malcom X and St Joseph service drives to a better condition than they were prior to construction.

Bridge CPM work for the 17 structures will also be finishing up this year and will be sequenced to avoid conflicts with proposed detour routes.

I-96 Bridges at Billwood Hwy, M-99, and Washington Rd

- 2 Bridges Reconstructed
 - EB & WB over the Grand River and Billwood Hwy
- 4 Bridges Repaired
 - M-99 and Washington Rd
- 32,000 - 42,000 vehicles per day
- Estimated cost: \$40,000,000
- Rebuilding occurs 2023-2025



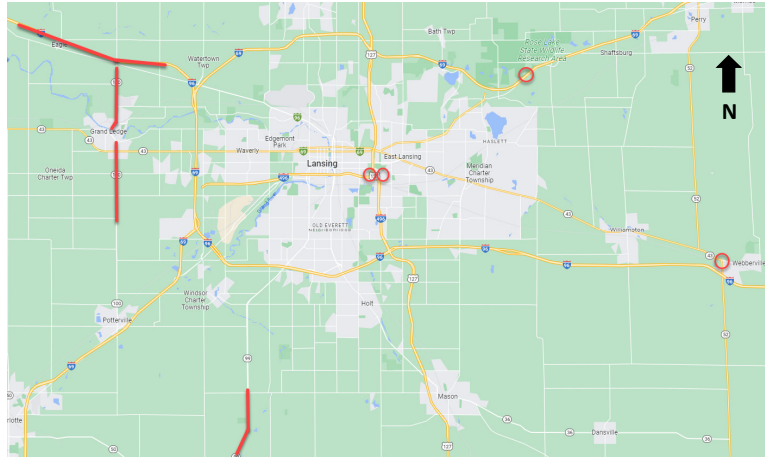
10

The only Major project that has started this year is the Full replacement of the I-96 bridges over the Grand River and Billwood Hwy.

The project also includes repairs to the I-96 bridge over M-99 and Washington Ave.

Additional Projects in Construction

- I-96 Wacousta to the County Line
 - Concrete Patching
- M-99 Petrieville to Columbia
 - Indirect lefts, Patching SB, Resurface NB
- M-43/M-52 Intersection
 - New signal and turn lane
- M-100
 - Signal and turn lane at M-43, Resurfacing from Willow to Strange
- M-100
 - Resurfacing Main St to Grand River
- I-69 over Peacock Rd
- US-127/I-496 Ramp Bridges



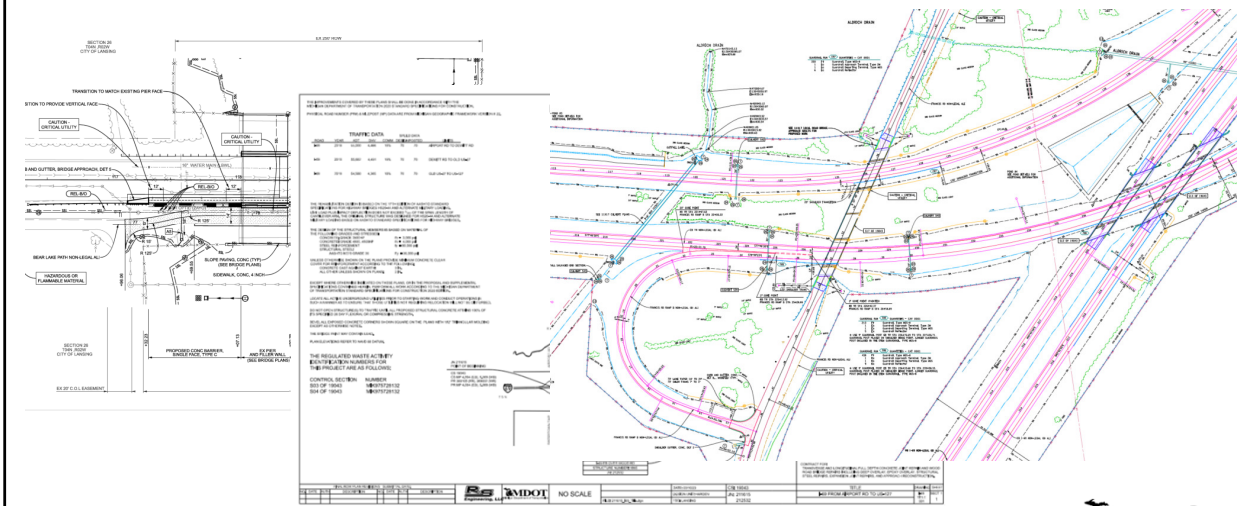
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11

- I-96 Wacousta to the County Line
 - Concrete Patching
- M-99 Petrieville to Columbia
 - Indirect lefts, Patching SB, Resurface NB
- M-43/M-52 Intersection
 - New signal – starting this week
- M-100
 - Signal and turn lane work at M-43, Resurfacing from Willow to Strange
 - Signal starting now paving in June

- M-100
 - Resurfacing Main St to Grand River
 - July Letting
- I-69 over Peacock
- S01 S02 on 127/496

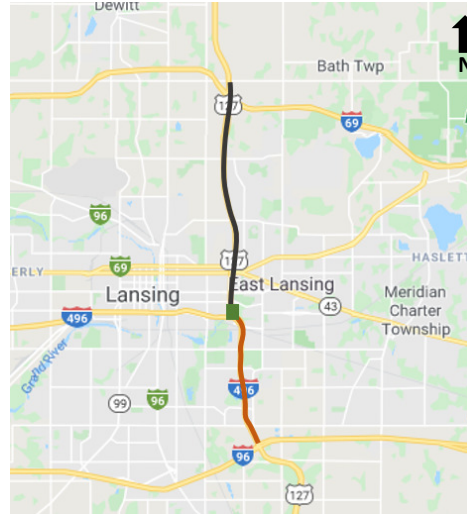
Major Planned Projects



Looking ahead to the major projects that are in the planning and design phases.

Planned I-496/US-127 Corridor Work

- SB US-127 to WB I-496 and EB I-496 to NB US-127 Ramps Structures
 - Construction 2023
- I-96 to I-496 Reconstruction with Operational Improvements
 - Construction 2023-2025
- I-496 to I-69 Rehabilitation
 - Construction 2026-2027

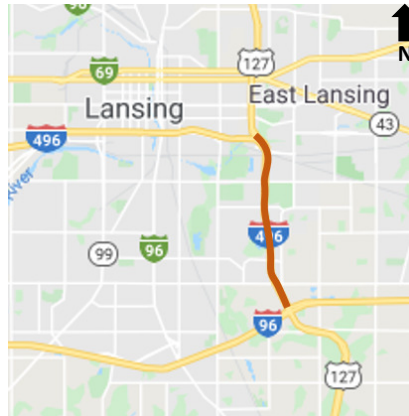


13

The US-127 corridor will be completed in 3 phases. The first phase is under construction right now, it is the green dot. This project is to replace the bridges on the SB US-127 to WB I-496 and EB I-496 to NB US-127 ramps. It is anticipated to be completed by 4th of July.

I-496/US-127 Reconstruct from I-96 to I-496

- Existing: Two-lane interstate
- Proposed: Three-lane Interstate
- 40,000 - 45,000 vehicles per day
- 3.7 mile Reconstruction
- 18 bridges
- Estimated cost: \$178,000,000
- Rebuilding occurs 2023-2025



14

The next phase is I-496/US-127 from I-96 to I-496 and is anticipated to be let in July of 2023. This stretch will be a full reconstruct. The project will be adding a 3rd lane, replacing 5 bridges, and widening 6 bridges, and conducting preventive maintenance of the remaining 7 bridges. The project will also be implementing several operational improvements that will make this area much safer and also alleviate the daily peak hour congestion that occurs NB in the morning and SB in the evening.

The project will reconstruct NB in 2024 and SB in 2025. There will likely be some work this fall in preparation for the major work starting next year.

US-127 Rehabilitation from I-496 to I-69

- Urban two-lane interstate
- 50,000 - 55,000 vehicles per day
- 6.1 mile Rehabilitation
- 17 bridges
- Estimated cost: \$75,000,000
- Rebuilding occurs 2026-2027

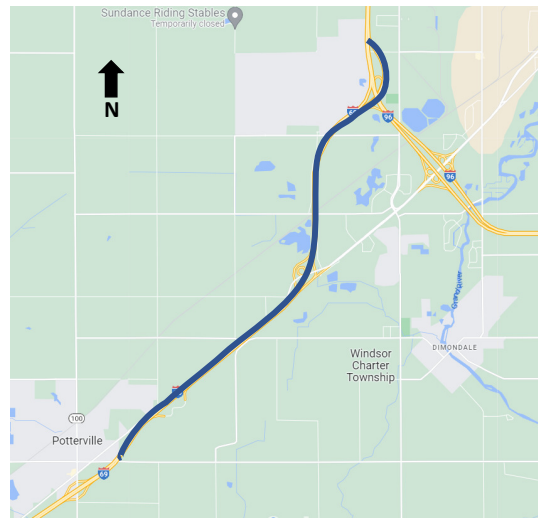


15

The last phase of the US-127 corridor improvements will be a major rehabilitation project from I-496 to Clark Rd (just north of the I-69 Interchange). This project also includes preventive maintenance work on 15 bridges as well as the replacement of the 2 bridges that cross the Red Cedar River.

I-69 Reconstruction from Vermontville to I-96

- Two-lane interstate
- 25,000 - 30,000 vehicles per day
- 6 miles long
- 8 Bridges
- Estimated cost: \$76,000,000
- Rebuilding occurs 2028-2029



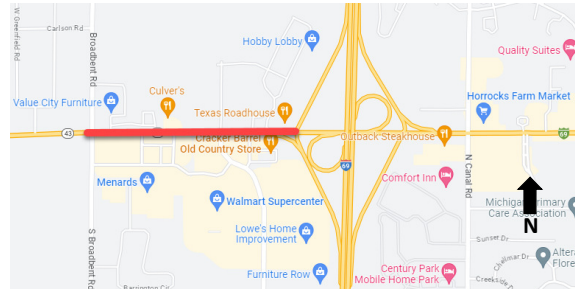
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16

Looking a little further out, the next major Freeway project currently in the 5 year plan for Lansing TSC is on I-69 from Vermontville Hwy in Potterville to I-96 on the SW side of Lansing. This project is programmed to be a full reconstruction project and will include the interchanges and preventive maintenance on the Bridges.

Operations Projects in Development

- M-43 Broadbent to M-43/I-96/I-69 Interchange
 - Boulevard



- I-96 Cedar St Interchange
 - Improvements between Cedar and Pennsylvania



17

A couple of operations projects we anticipate coming in 2028 as well, and will be starting preliminary work on soon is creating a Blvd section on M-43 from the Freeway to Broadbent in Delta Township

And also, the Cedar St exit on I-96. We will be looking at possible changes to make that interchange operate more efficiently between Cedar St and Pennsylvania.

Additional Projects in Development

- I-69BL Hagadorn to Marsh (2024) – Resurfacing
- WB I-96 Meridian to M-52 (2025) – Resurfacing
- M-100 I-69 to Doane Hwy (2025) – Resurfacing
- M-100 Doane Hwy to Strange Hwy (2026) – Resurfacing
- M-52 M-43 to Lovejoy (2025) – Resurfacing
- M-99 Holt to Edgewood (2025) – Reconstruction/Resurfacing
- M-78 Sharkey St to Battle Creek River (2026) – Reconstruction/Resurfacing
- M-21 Morton to Scott Rd (2027) – Reconstruct



We have many more project in various stages of development, here is a list of many of those, it is not all inclusive.

Lansing TSC 5 Year plan

