



**Samuel Sorensen, PE Jackson TSC Construction Engineer**





## Cost and Schedule

- Preliminary Budget: \$109,000,000
- Anticipated Starting Date: Mid-July
- Anticipated Open to Traffic: November 2019
- Cooper Street Resurfacing: April – May 2019
- Parnall Road Resurfacing: May 2020



## Anticipated Milestone Dates

- **Begin Work in Mid-July**
- **Close and Demo Cooper Street (M-106) Bridge Mid March 2019**
- **Resurface Cooper Street (M-106) April – May 2019**
- **Shift traffic onto new EB lanes by end of May 2019**
- **Open Cooper Street (M-106) to traffic by October 2019**
- **Fully open I-94 by November 23, 2019**
- **Landscaping, Parnall Rd. and other Misc. work in spring 2020**



## I-94 M-60 to Lansing Avenue

3.5 Miles of Major Resurfacing





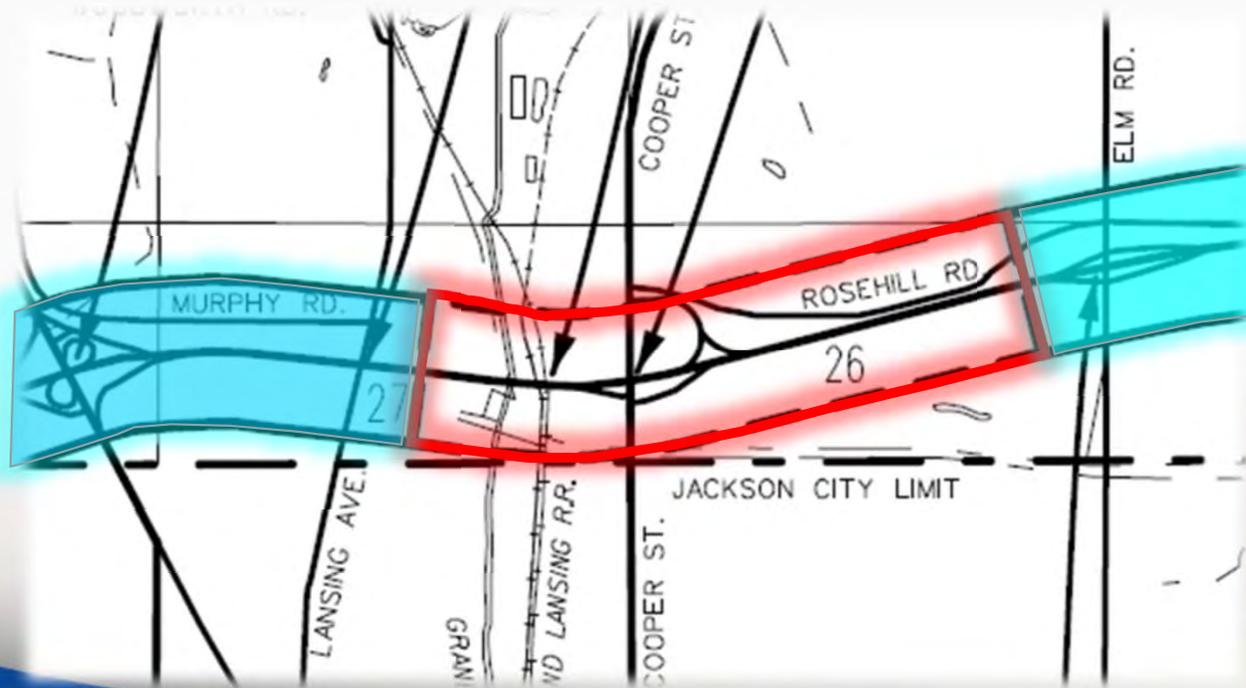
## I-94 M-60 to Lansing Avenue





# I-94 Lansing Avenue to Elm

1.4 Miles of Reconstruction





# I-94 Lansing Avenue to Elm





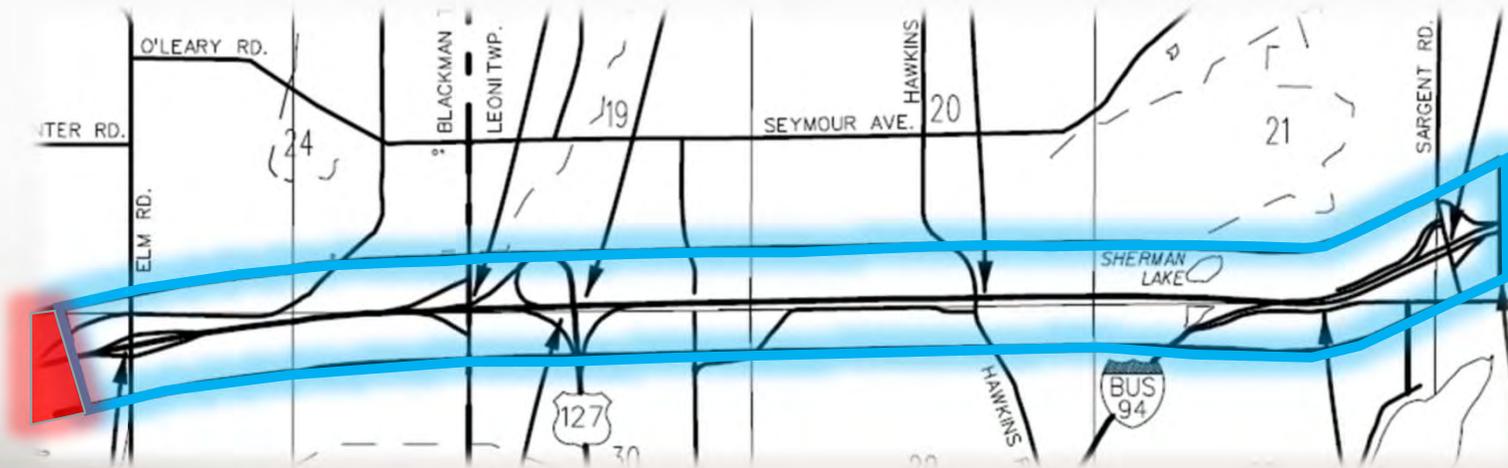
## I-94 Lansing Avenue to Elm





# I-94 Elm Road to Sargent Road

4.3 Miles of Major Resurfacing





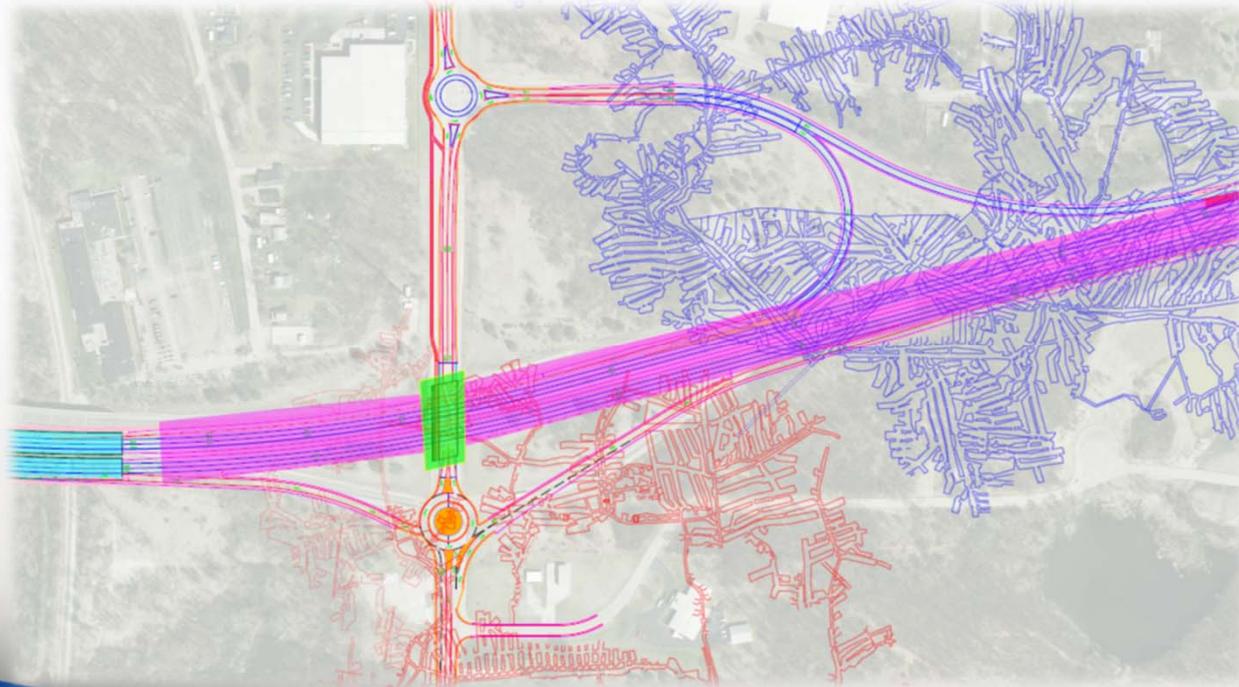
# I-94 Elm Road to Sargent Road





## Mine Mitigation

- **Cooper Bridge over I-94 – Grouting under the structure**
- **Approximately ½ mile of reconstruction over mines with Continuously Reinforced Concrete Pavement**





# Mine Mitigation

## Potential Equipment



**Bore Hole Image of Void**



# Continuously Reinforced Concrete Pavement





## Traffic Impacts

- **Maintain two lanes of traffic during daytime hours**
- **Single lane closures at night**
- **Nighttime I-94 detours for Cooper Street (M-106) demolition and beam placement**
- **Utilize Stopped Traffic Advisory System**
- **Penalties**
  - **60 day detour of West Ave interchange loop ramps**
  - **Cooper St. closed between 3/19 – 10/19**





# Stopped Traffic Advisory System Message Boards

**FREE FLOW**  
Speeds > 45mph  
**LEFT  
LANE  
CLOSED**

**SLOW**  
Speeds < 45mph  
**CAUTION  
SLOWED  
TRAFFIC**

**STOP & GO**  
Speeds < 15mph  
**CAUTION  
STOPPED  
TRAFFIC**

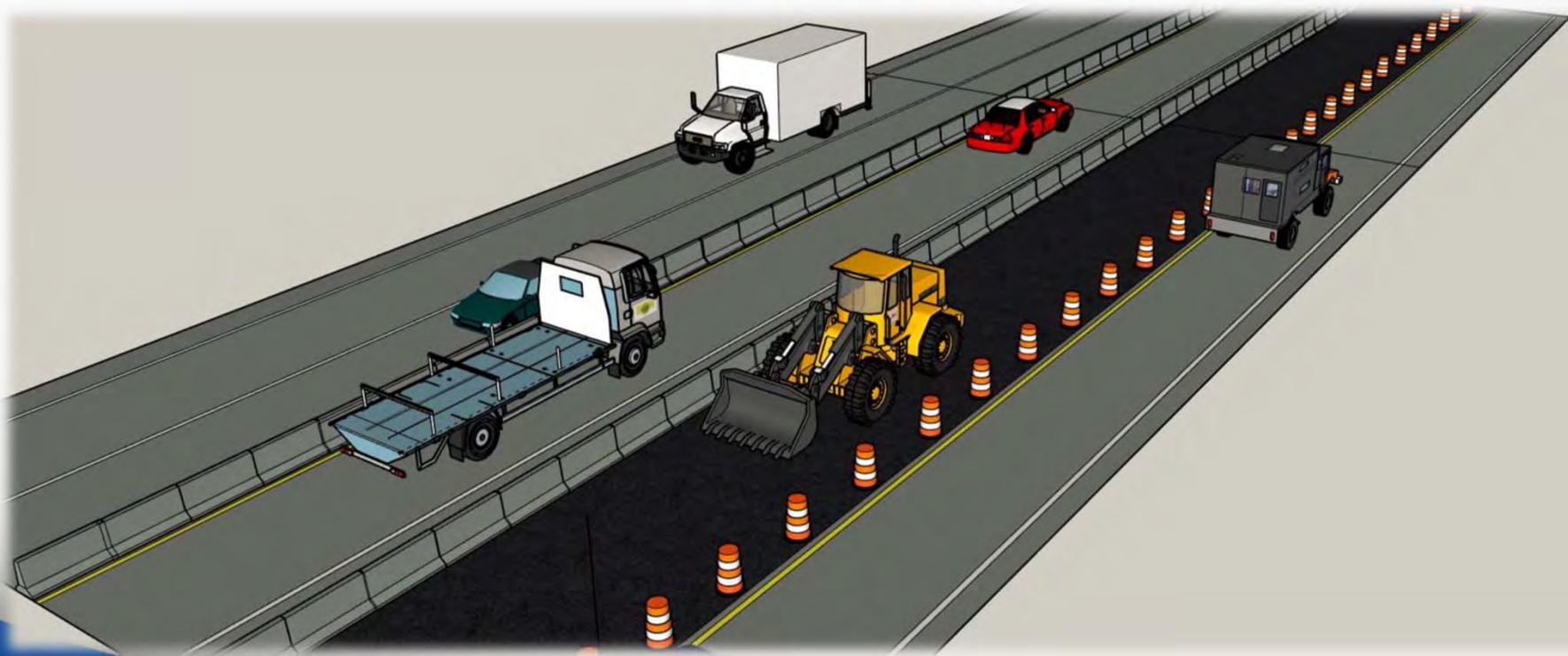
**2  
MILES  
AHEAD**

**X  
MILES  
AHEAD**

**X  
MILES  
AHEAD**

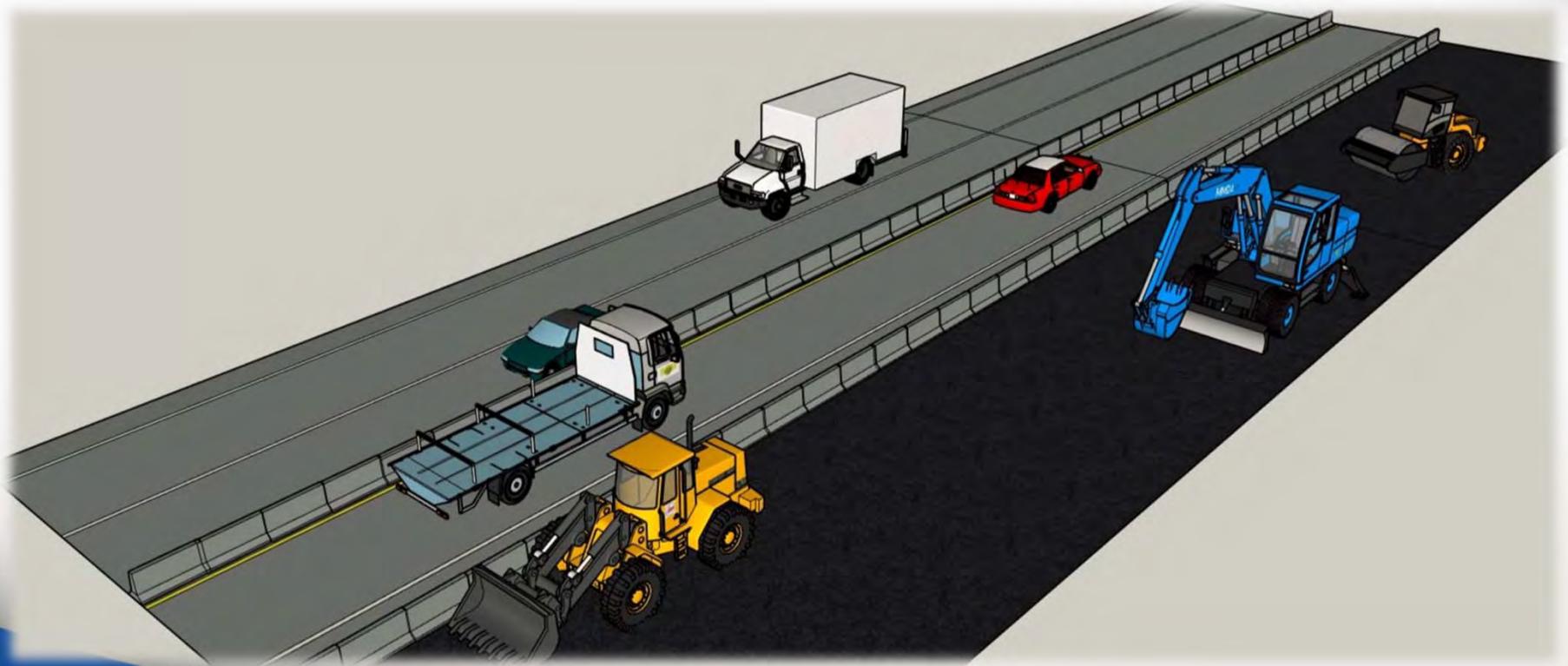


## Traffic Impacts – Daytime



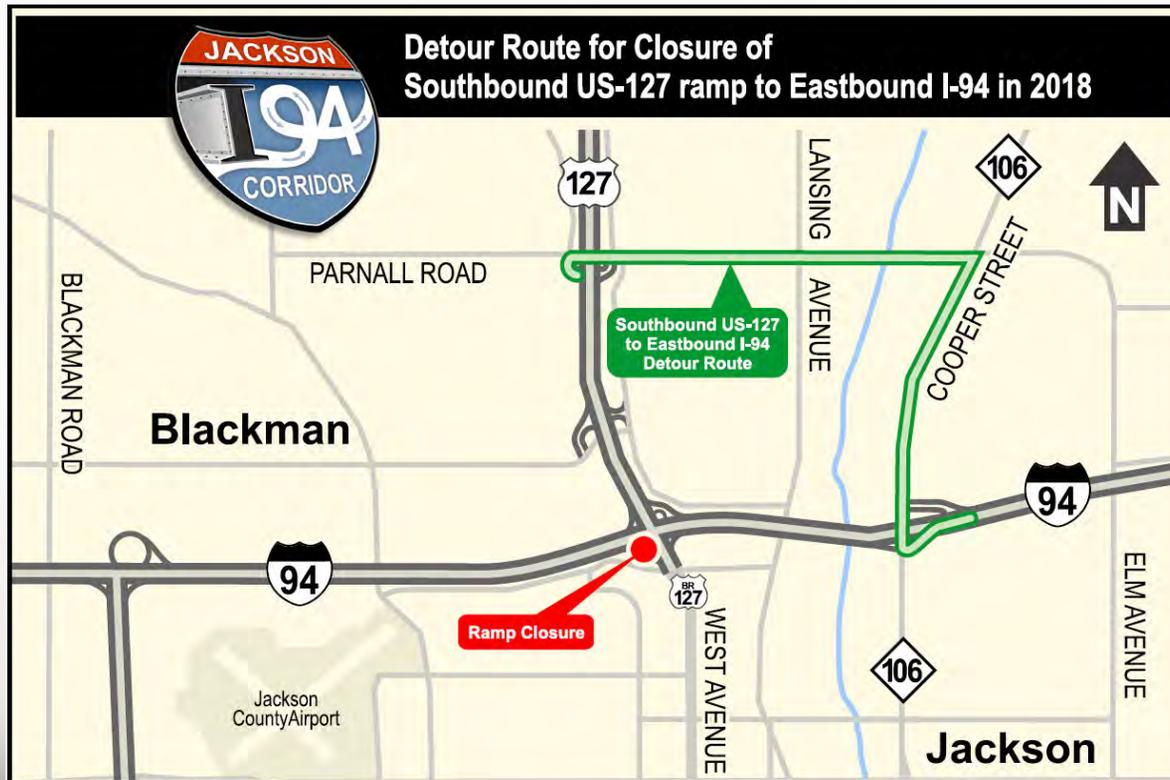


# Traffic Impacts – Nighttime



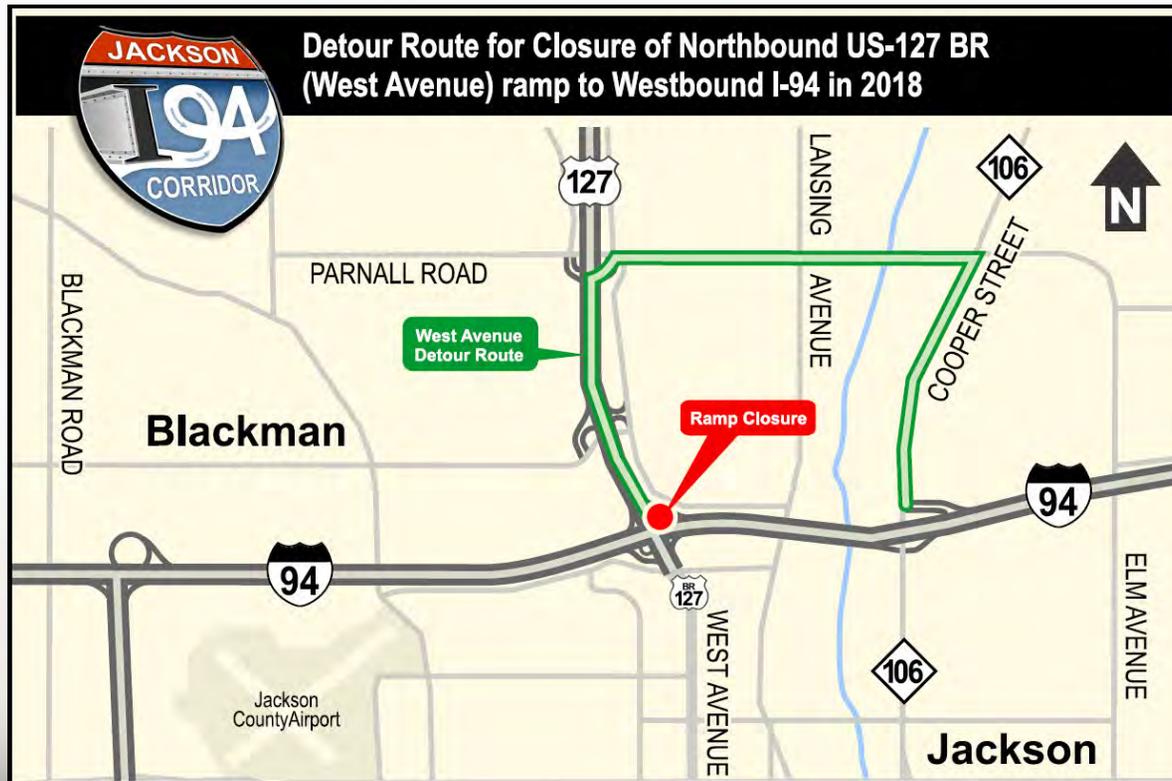


# Traffic Impacts – SB US-127 - EB I-94 Fall of 2018



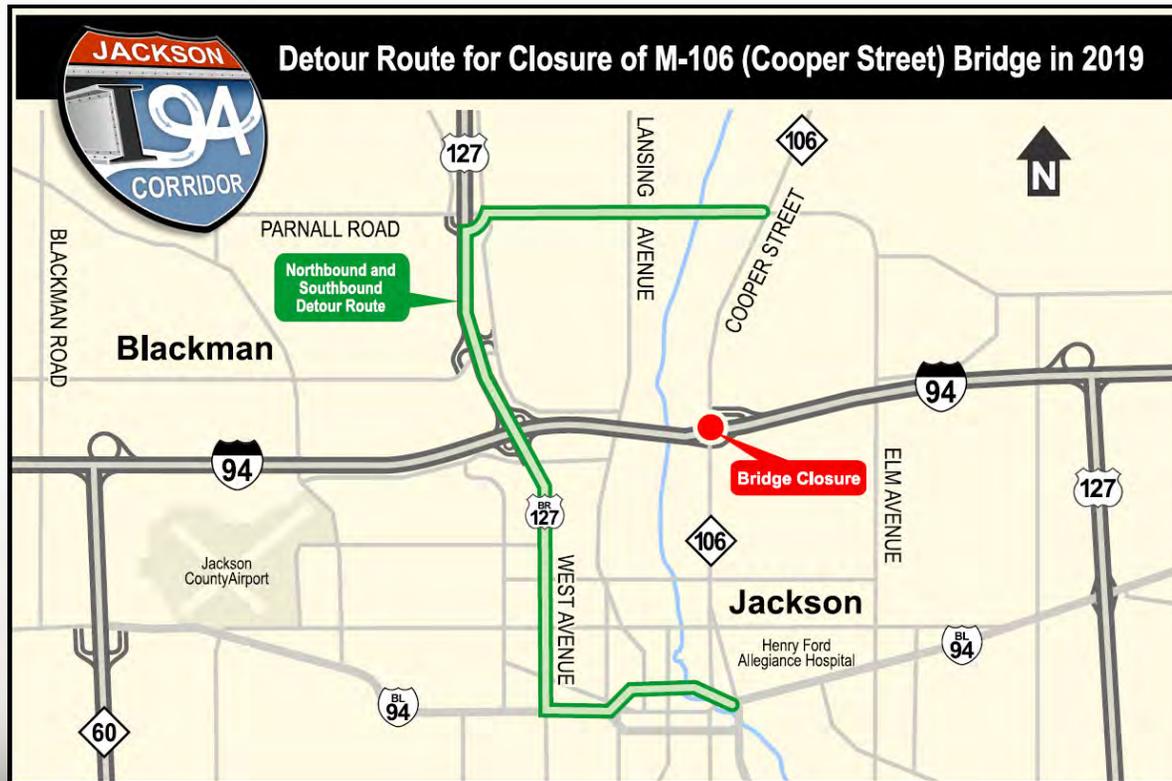


# Traffic Impacts – West Ave to WB I-94 Fall of 2018





# Traffic Impacts – Cooper (M-106) Detour March 2019 – October 2019





# I-94 Beautification





# I-94 Beautification





# I-94 Beautification





# I-94 Beautification





# I-94 Beautification



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## I-94 Road and Bridge Reconstruction, Jackson County

[View Other Major Projects](#)

Start: Summer 2018 End: Spring 2020

Local, national and international trade traffic on I-94 in Jackson has increased substantially since the freeway opened to traffic in 1960. The current corridor is, in part, functionally obsolete and is scheduled to be upgraded to current design standards in the next seven to 10 years. MDOT is beginning another series of projects to update this corridor, with the goal to balance safety, mobility, lifecycle costs, aesthetics, and environmental sustainability. The current project will begin in summer 2018 and last through spring 2020.



### What is Being Done?

Starting in 2018, the Michigan Department of Transportation (MDOT) will make improvements to I-94 in Jackson County, including:

- Reconstructing 1.4 miles of freeway between Lansing Avenue and Elm Road.
- Resurfacing 3.5 miles between Lansing Road and M-60, and resurfacing 4 miles between Elm Road and Sargent Road.
- Rebuilding and redesigning the I-94/Cooper Street interchange, including the addition of new roundabouts on each side of the new bridge and reconstructing each of the ramps.
- Replacing the bridge over the Grand River.



As part of the project, I-94 will be shifted approximately 60 feet south of its current location. The widening of Cooper Street and the bridge reconstruction over the Grand River will require right-of-way acquisition, primarily on the south side of I-94.

### How Traffic Will Be Affected:

Construction will take place in stages to minimize the disruption to motorists and residents.

During construction, two lanes will be open in each direction the majority of the time, with short-term single-lane closures possible at off-peak times.

Cooper Street will be detoured at I-94 during construction due to the large amount of rock excavation that will take place at this location.

### Additional Information:

- [Construction brochure](#)
- [YouTube Video I-94 Improvements](#)
- [I-94 Road and Bridge Construction FAQs](#)

### News:

[Meeting June 11 to discuss I-94 reconstruction and improvement project in Jackson](#)

### Contact Us:

Jackson Transportation Service Center at 517-780-7540

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