



# I-94 Corridor Update

February 25, 2019



# AGENDA

- MDOT Introductions & Instructions
- I-94 Construction Update (2019)
- M-60 at I-94 (2020)
- Lansing Ave & Elm Road project (2021)
- West Ave Alternatives



# 2019 CONSTRUCTION UPDATE





# I-94 M-60 to Sargent Rd







## Cost and Schedule

- Preliminary Budget: \$109,000,000
- Started work on: July 16, 2018
- M-106(Cooper Street) Closes: March 12, 2019
- Anticipated I-94 Traffic Shift: May 31, 2019
- M-106(Cooper Street) Opens: Sept. 17, 2019
- US-127(West Ave) Ramp Detours: Fall 2019
- Anticipated I-94 Open to Traffic: Nov. 23, 2019
- Parnall Road Resurfacing: Spring 2020



# Shoulder Upgrades





# Shoulder Upgrades







# M-60 Crossover





# M-60 Crossover







# Sargent Rd Crossover





# Sargent Rd Crossover







# EB I-94 Piers





# EB I-94 Piers







# Coal Mine Mitigation







# Coal Mine Mitigation







# Bridge Deck Repair





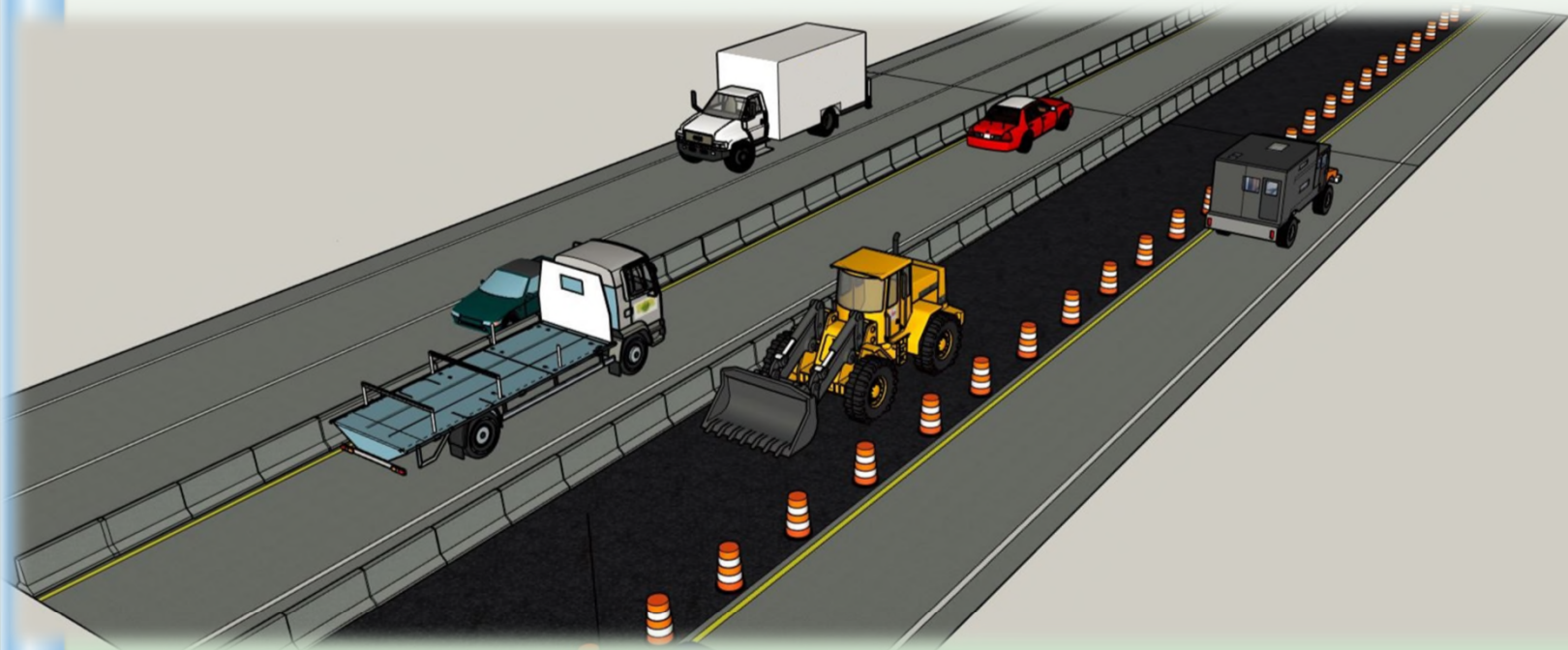


# Bridge Deck Repair





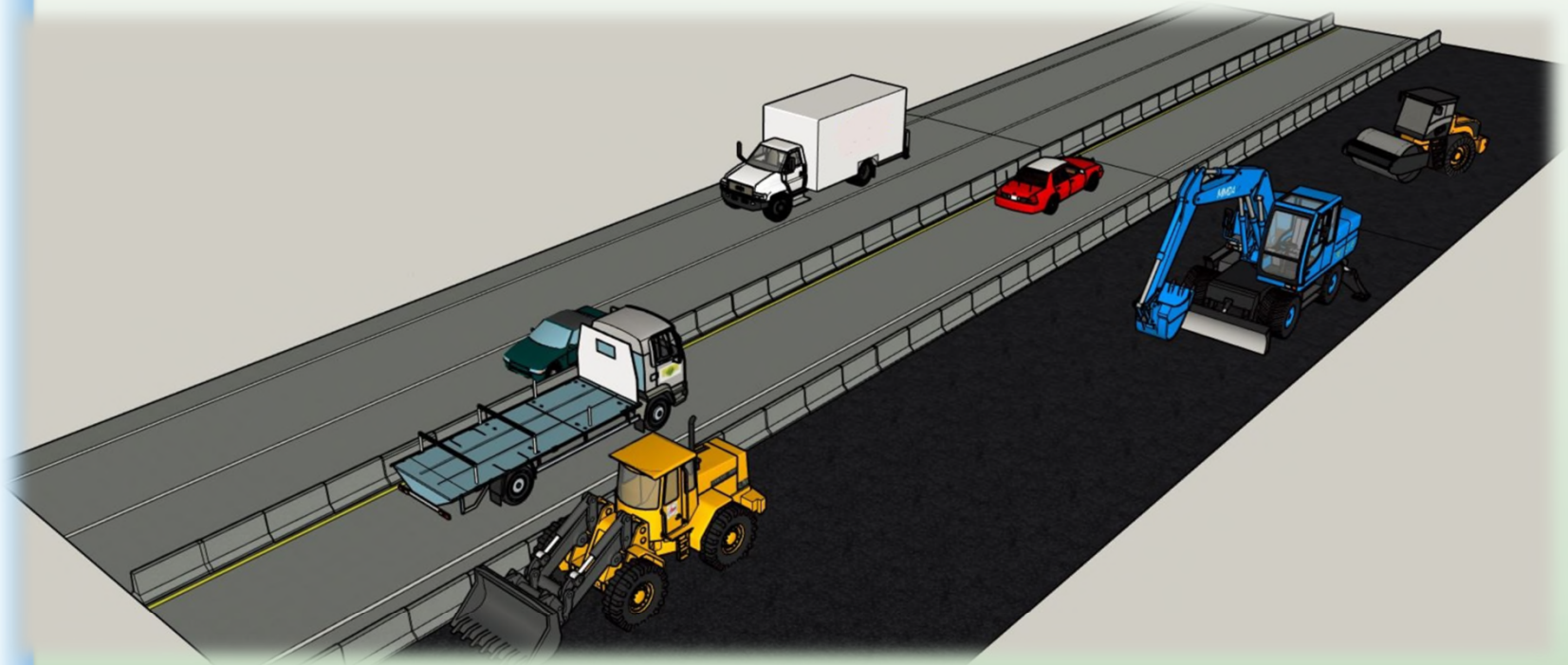
# Traffic Impacts - Daytime







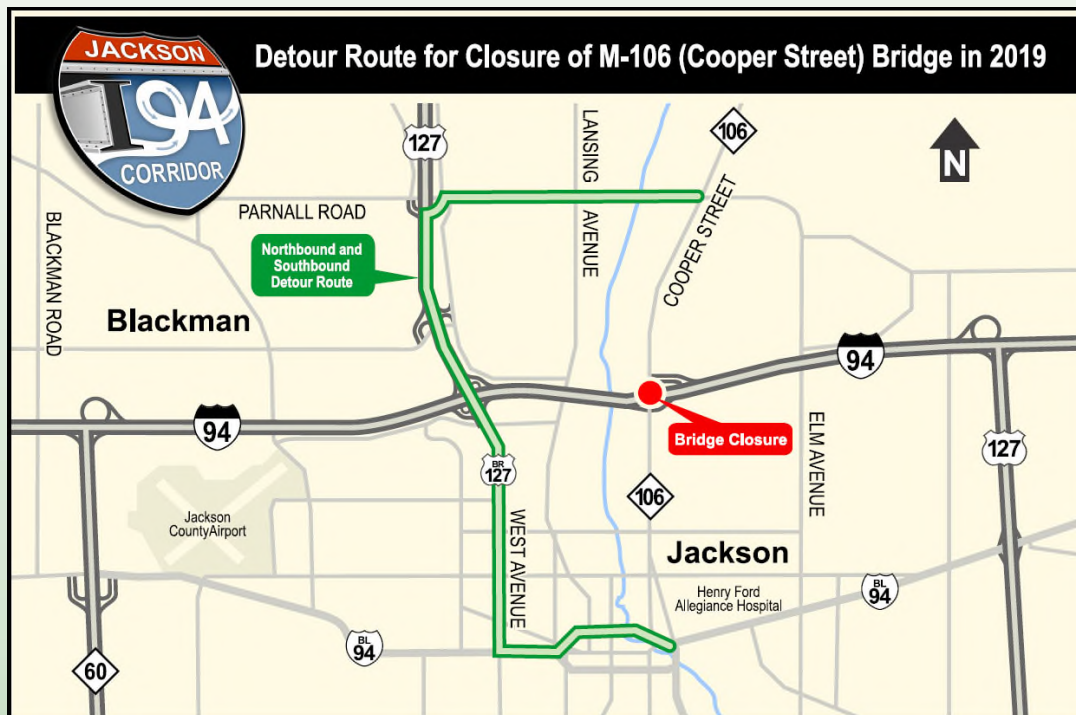
# Traffic Impacts - Nighttime





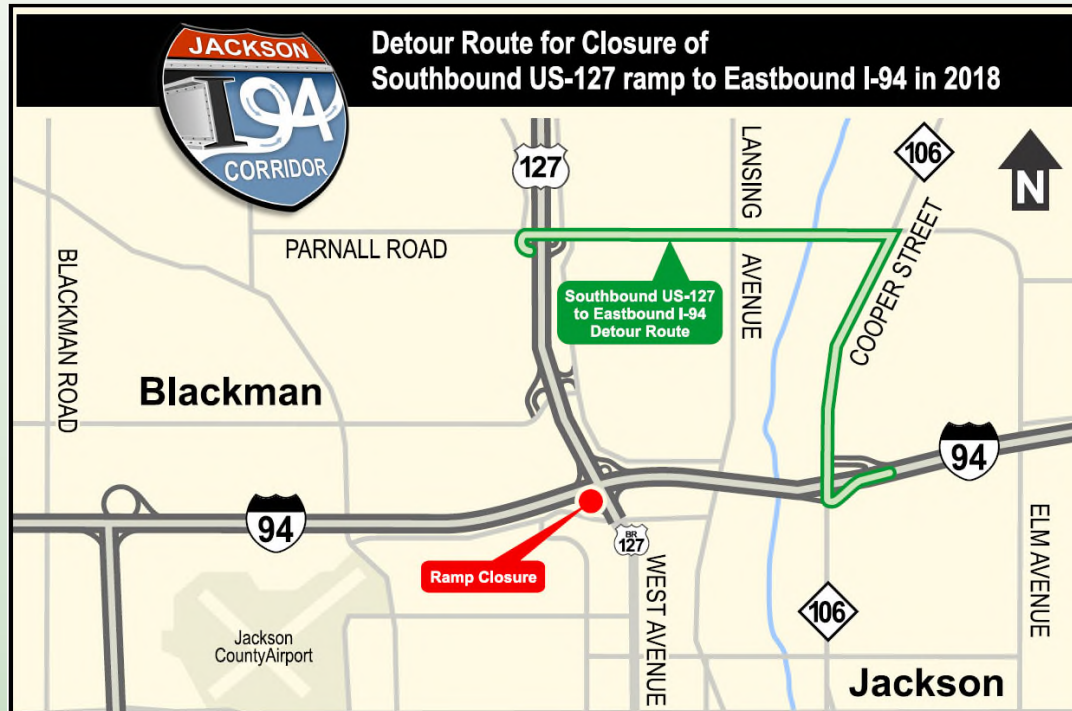


# Traffic Impacts – Detour M-106 (Cooper Street)



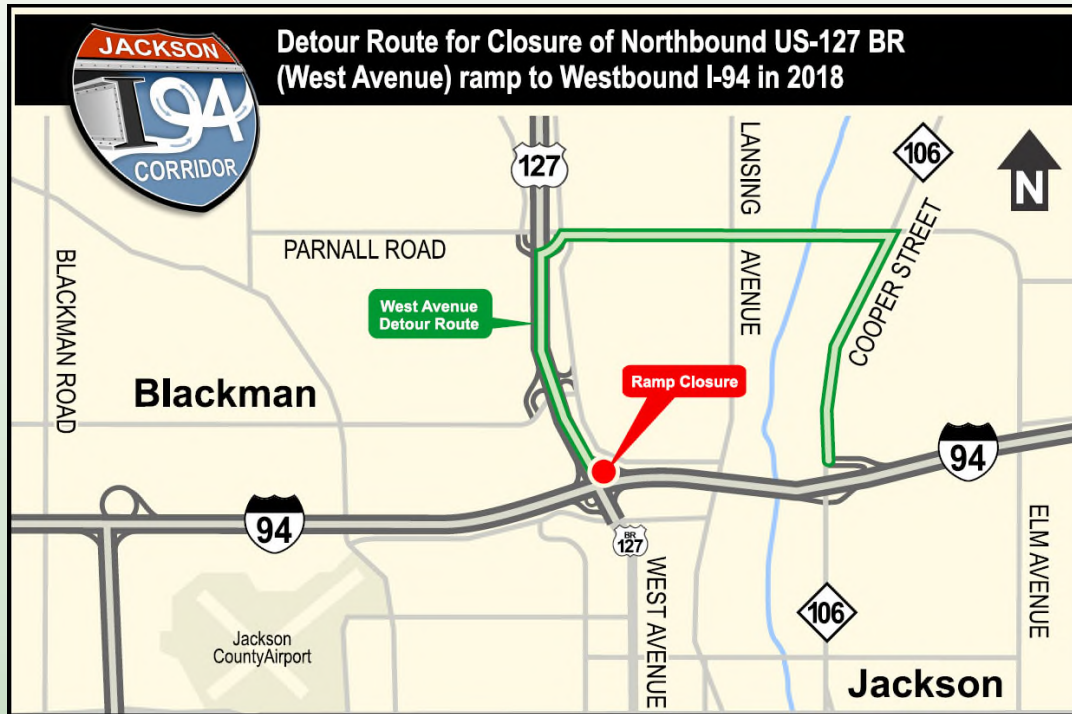


# Traffic Impacts – Detour SB US -127 to EB I-94 (Fall 2019)





# Traffic Impacts – Detour NB West Ave to WB I-94 (Fall 2019)



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

View Other Major Projects

Start: Summer 2018 End: Spring 2020  
Investment: \$109 million

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.

**23% Project Completion**

### What Is Being Done?

Starting in 2016, 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 Avenue and M-30, 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 80 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:

Photos of Construction Progress

- Nov. 17, 2018
- Oct. 13, 2018
- Oct. 27, 2018
- Dec. 01, 2018

June 11, 2018 Open House - Comments and Questions  
I-94 Public Meeting Boards  
I-94 Project Public Meeting Presentation  
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  
www.michigan.gov/drive  
www.twitter.com/MDOT\_LanJxn

excavation that will take place at this location.

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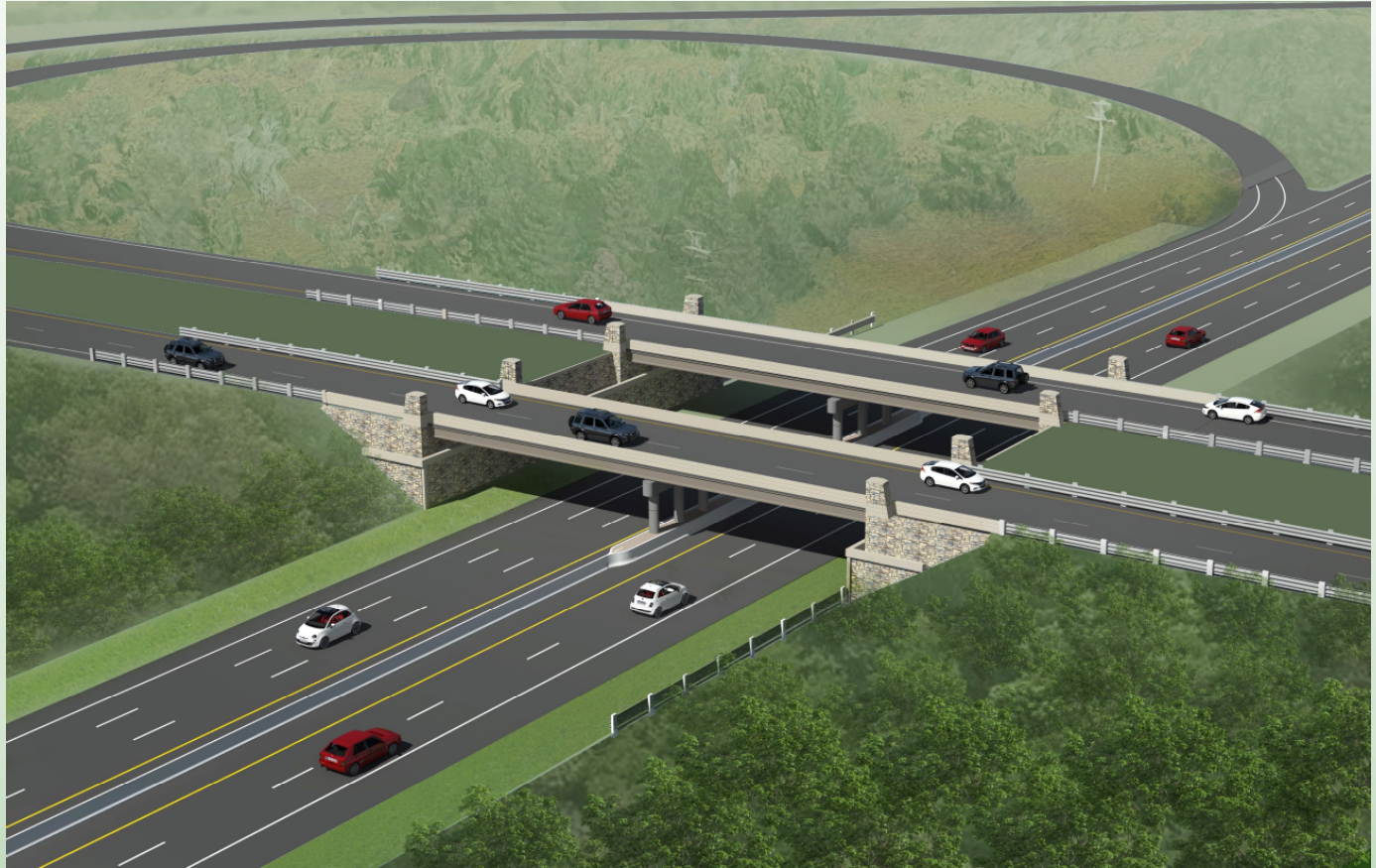
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# M-60 AT I-94 INTERCHANGE



- Construction (Spring 2020)







# M-60 AT I-94 INTERCHANGE

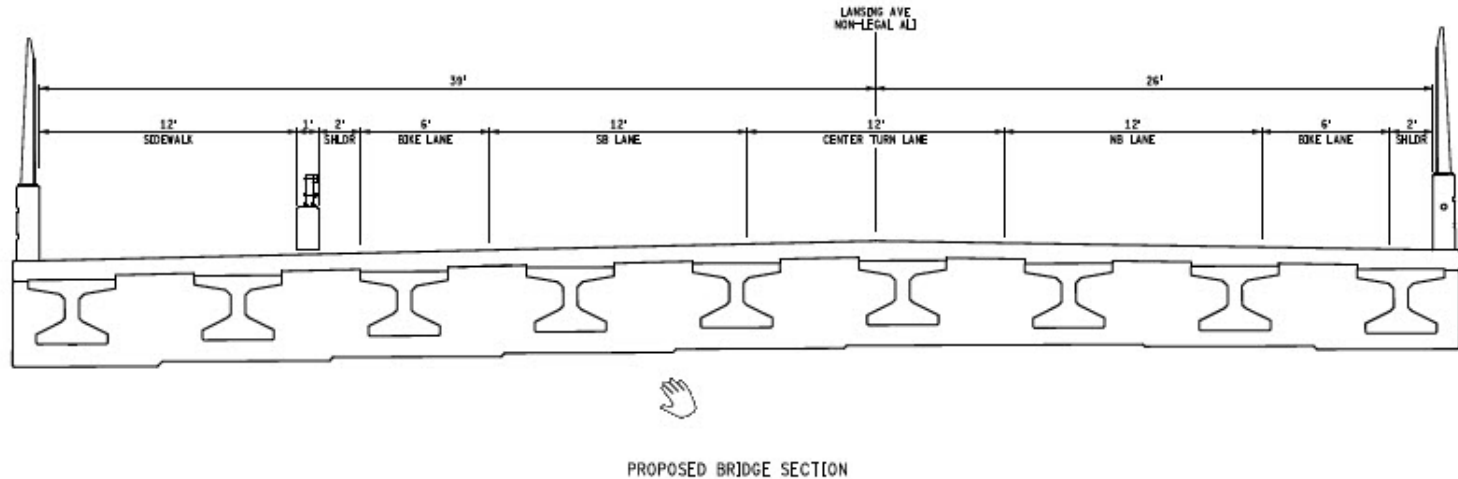


- Construction (Spring 2020)





# LANSING AVE OVER I-94



- Construction schedule Spring 2021





# LANSING AVE OVER I-94



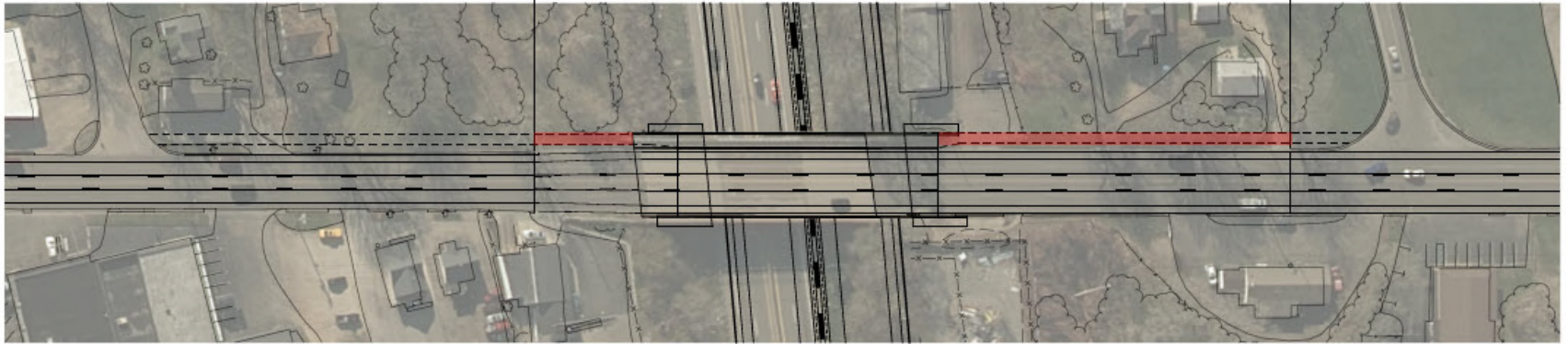
ROYAL DR

SHIRLEY DR

LIMITS OF LANSING RD RECONSTRUCTION

EB  
I-94

WB  
I-94



EB  
I-94

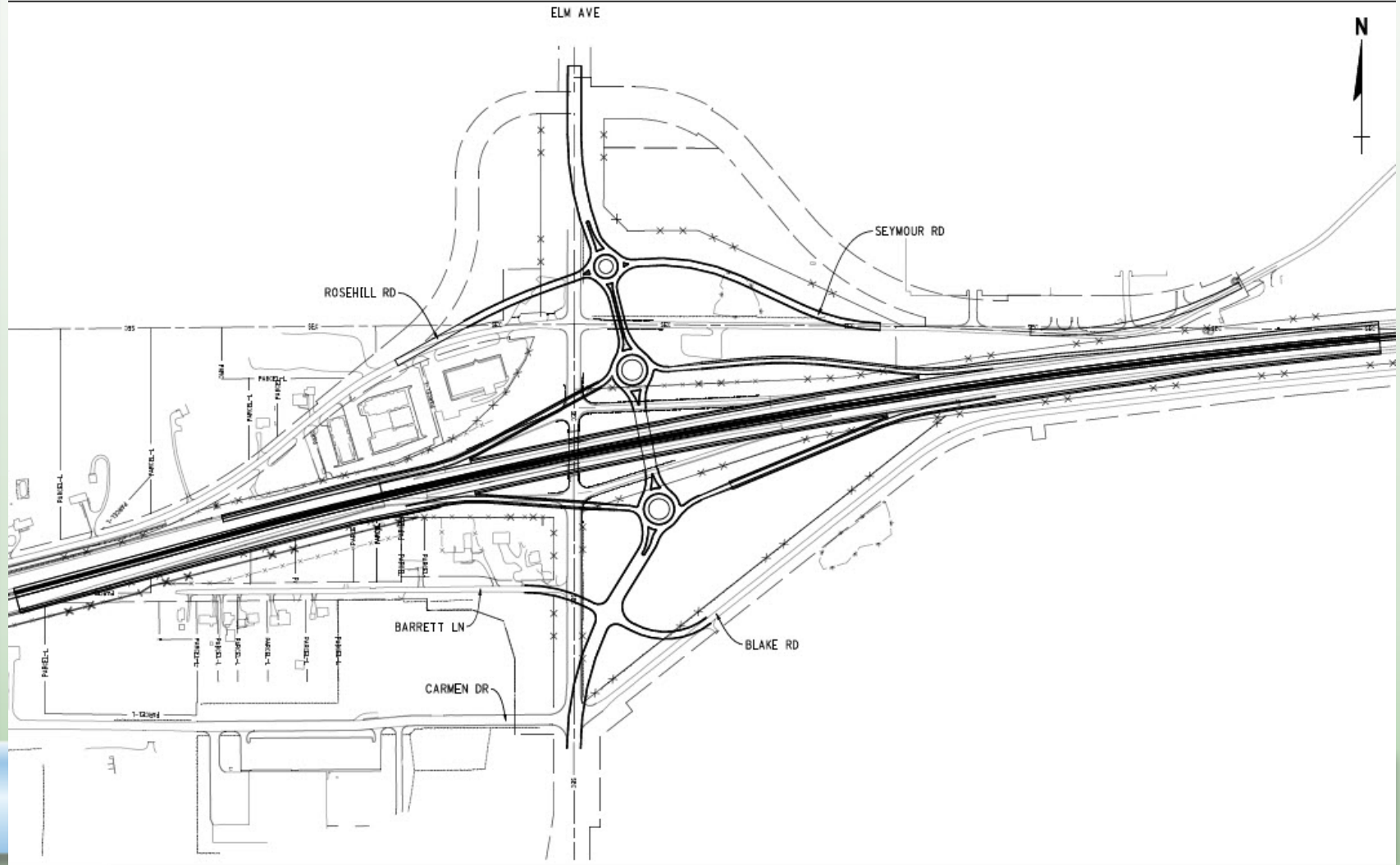
WB  
I-94

LANSING RD

LANSING RD



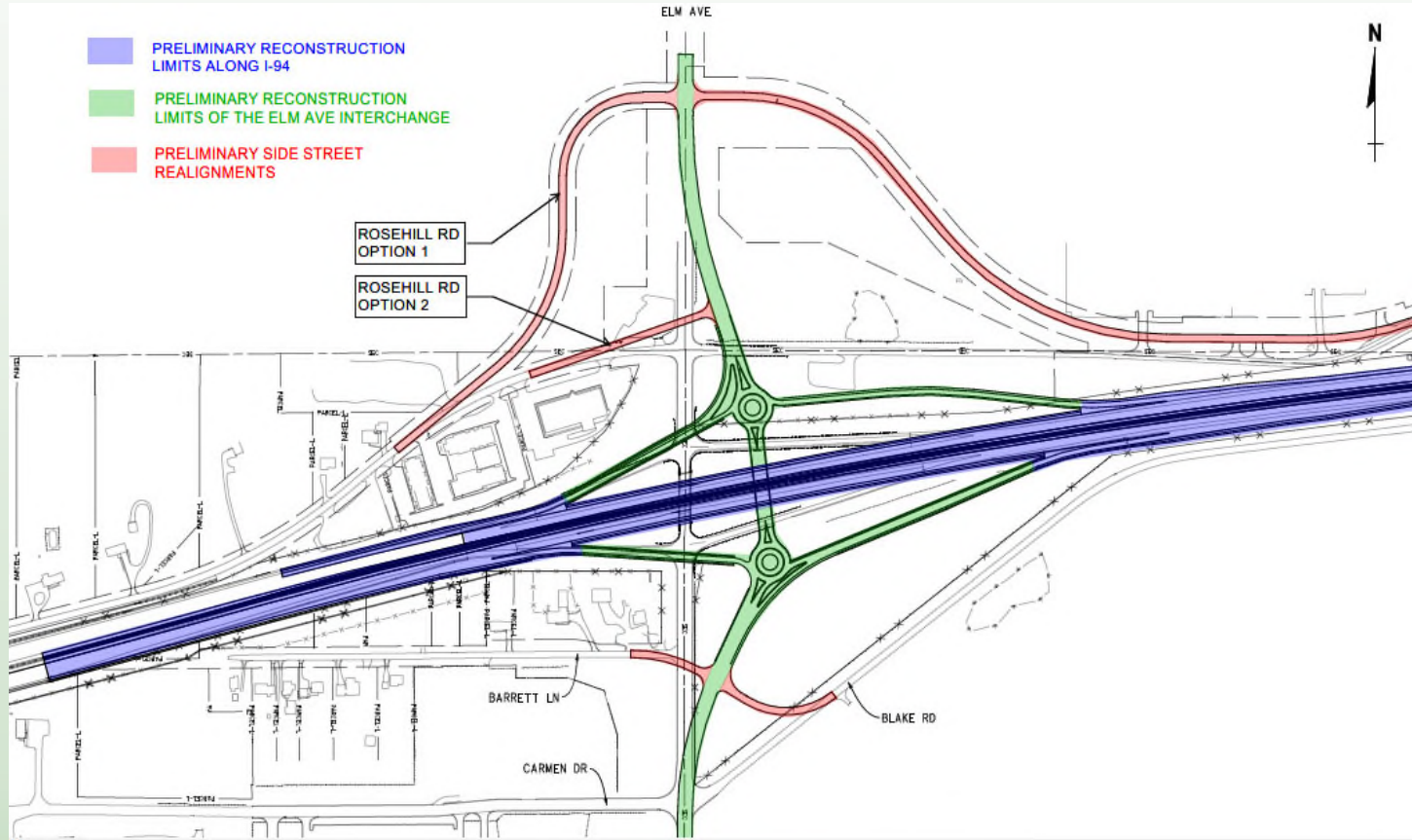
# ELM ROAD INTERCHANGE PREFERRED CONCEPT







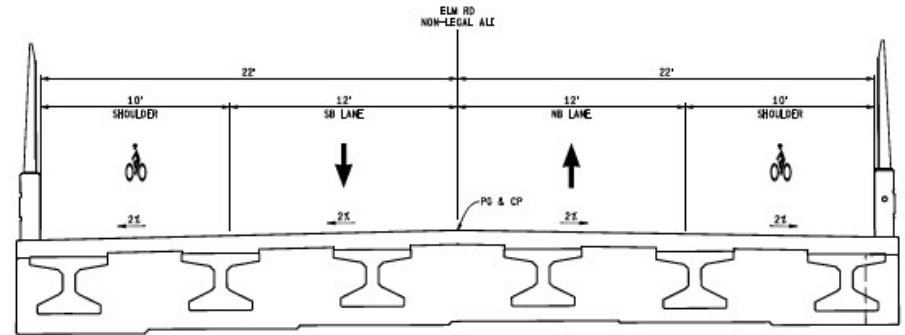
# ELM ROAD INTERCHANGE OPTIONS DISMISSED



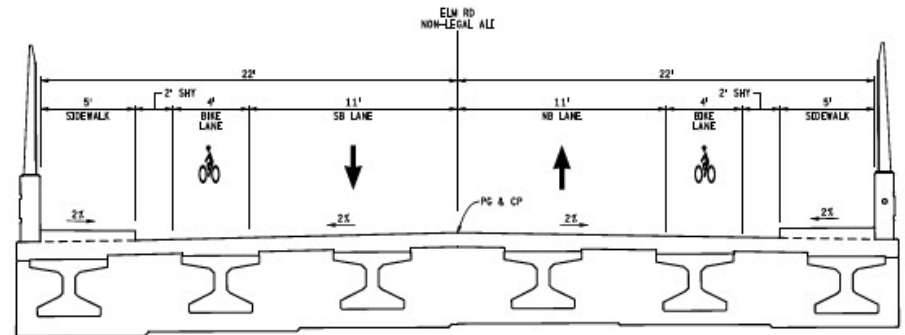


# ELM ROAD INTERCHANGE

Construction  
schedule  
Spring 2021



SECTION A-A  
PROPOSED BRIDGE SECTION



SECTION A-A  
FUTURE BRIDGE SECTION





# West Ave Previous Alternatives

DEIS Preferred Alternative

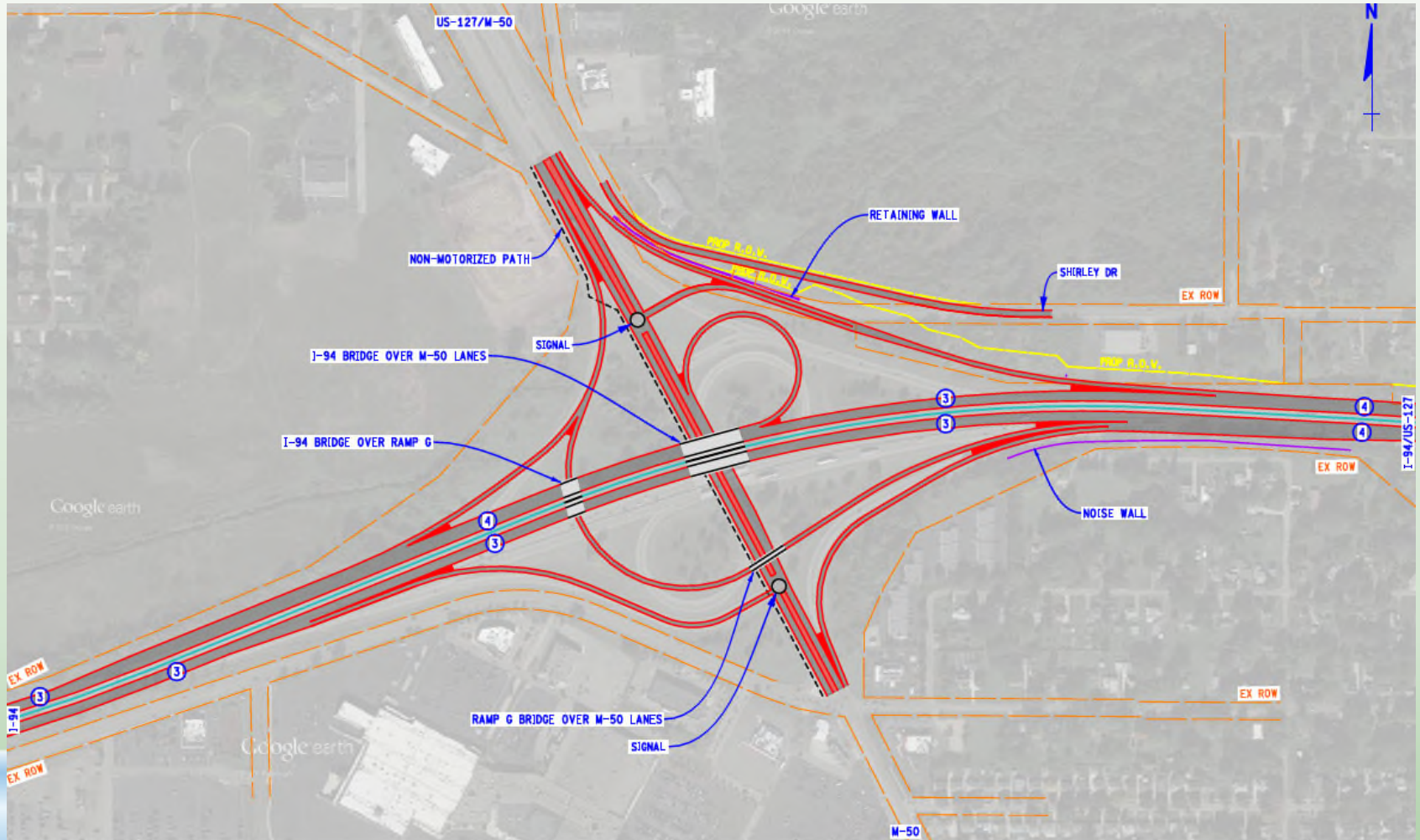


CBC Selected Alternative





# Alt 1: Fly-Through



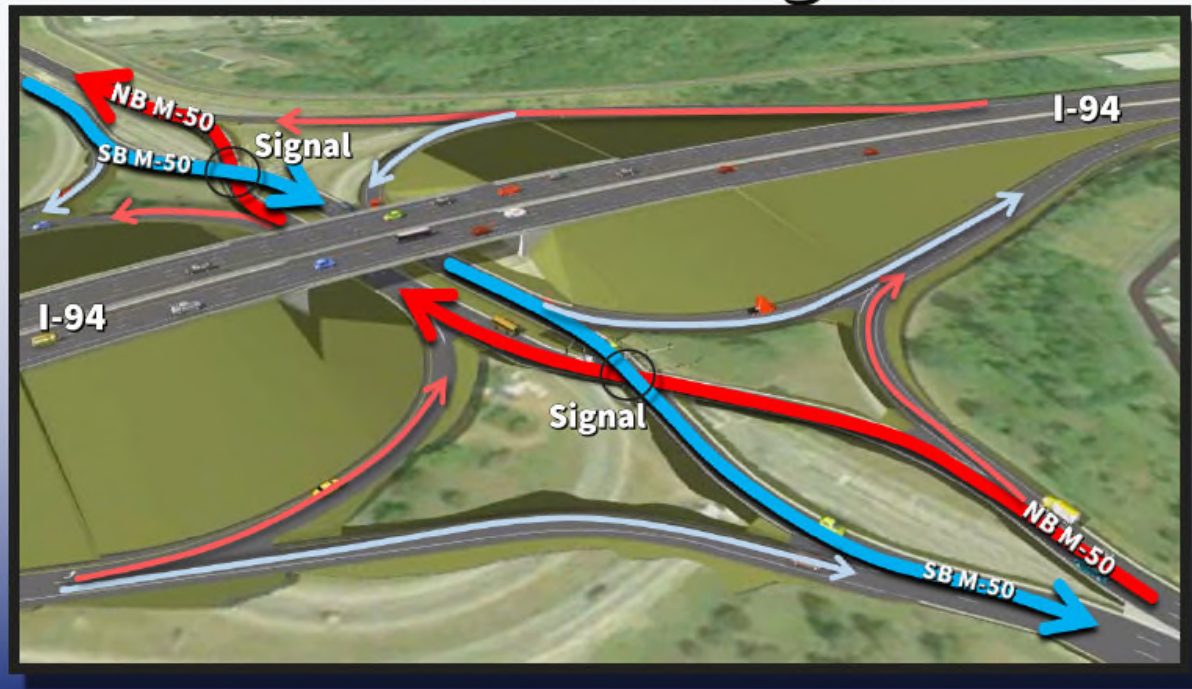


# DIVERGING DIAMOND INTERCHANGE



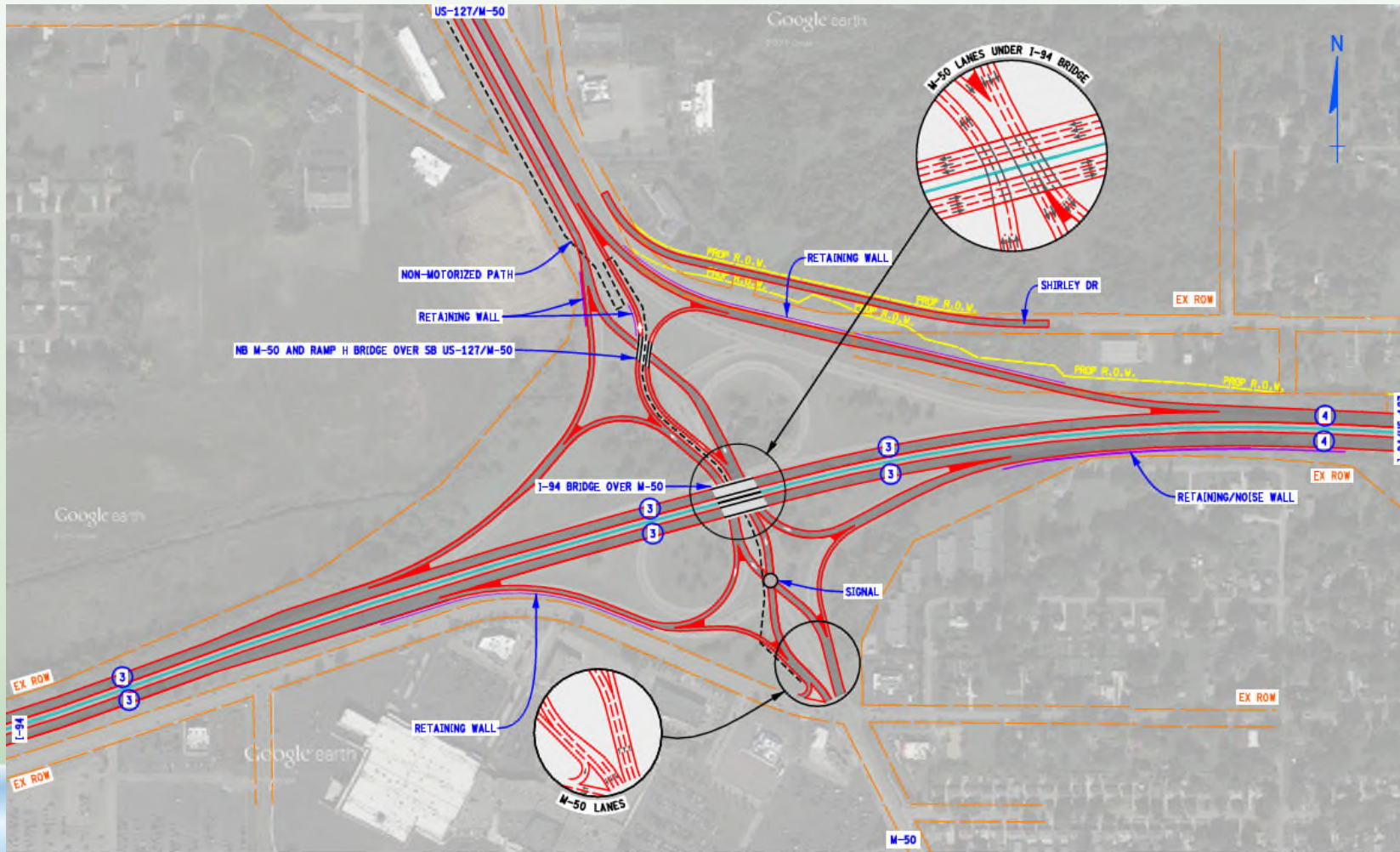
Southbound movements in **BLUE**  
Northbound movements in **RED**

## Traffic Flow Diagram





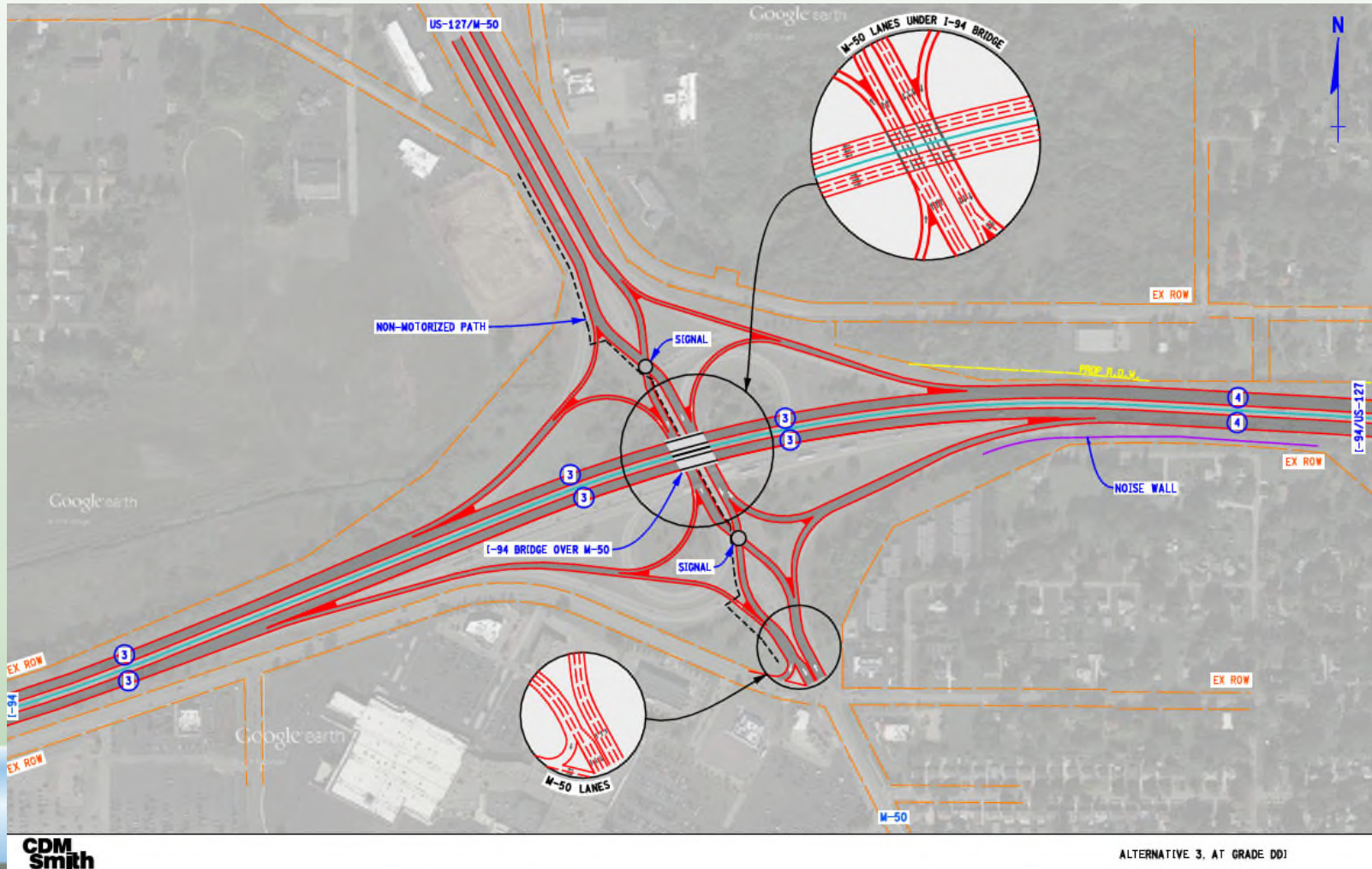
# Alt 2: Grade Separated DDI







# Alt 3: Diverging Diamond Interchange (DDI)





# SINGLE POINT URBAN INTERCHANGE

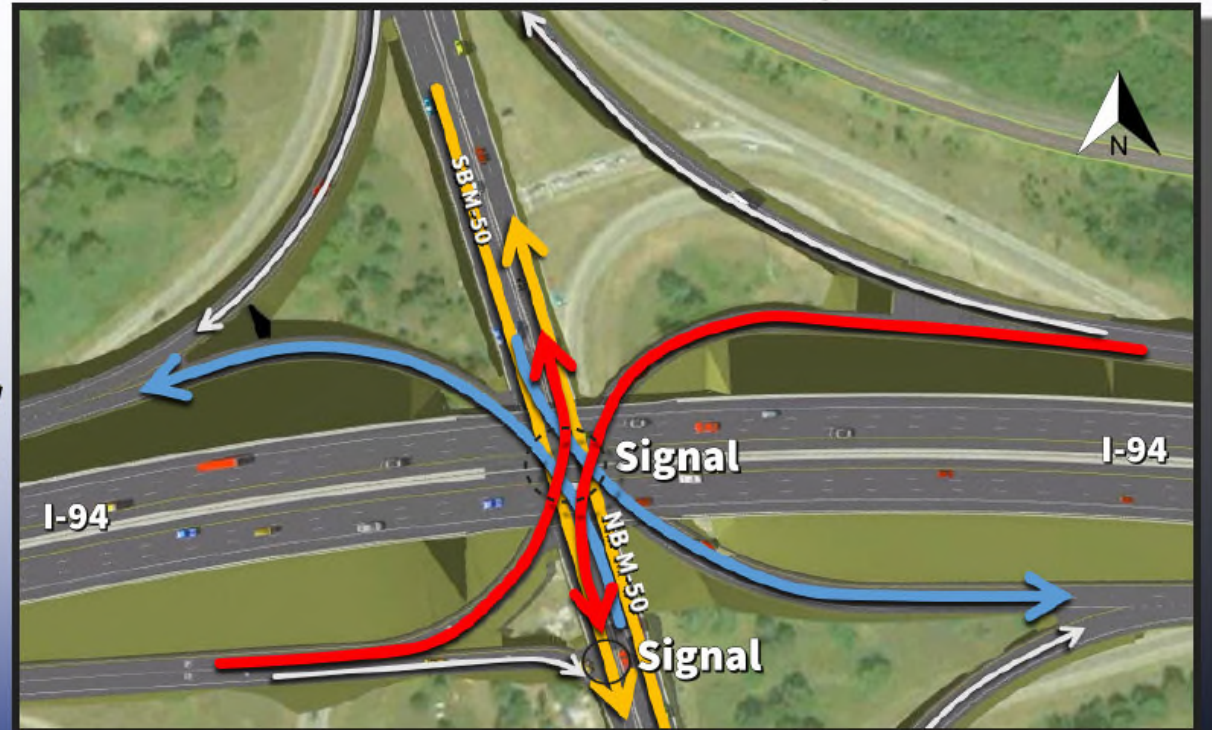


## Traffic Flow Diagram

Phase A shown in **Red**

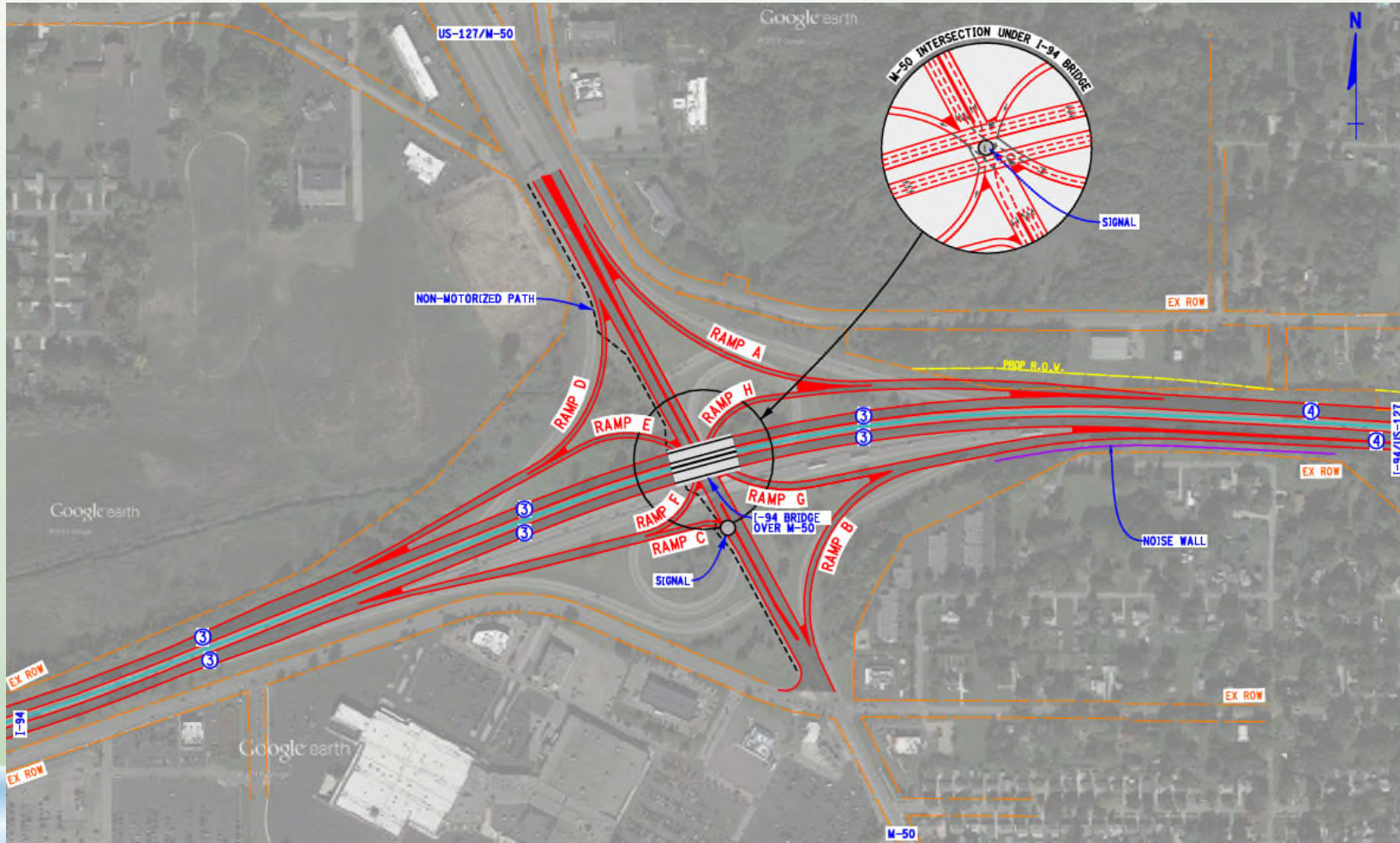
Phase B shown in **Yellow**

Phase C shown in **Blue**





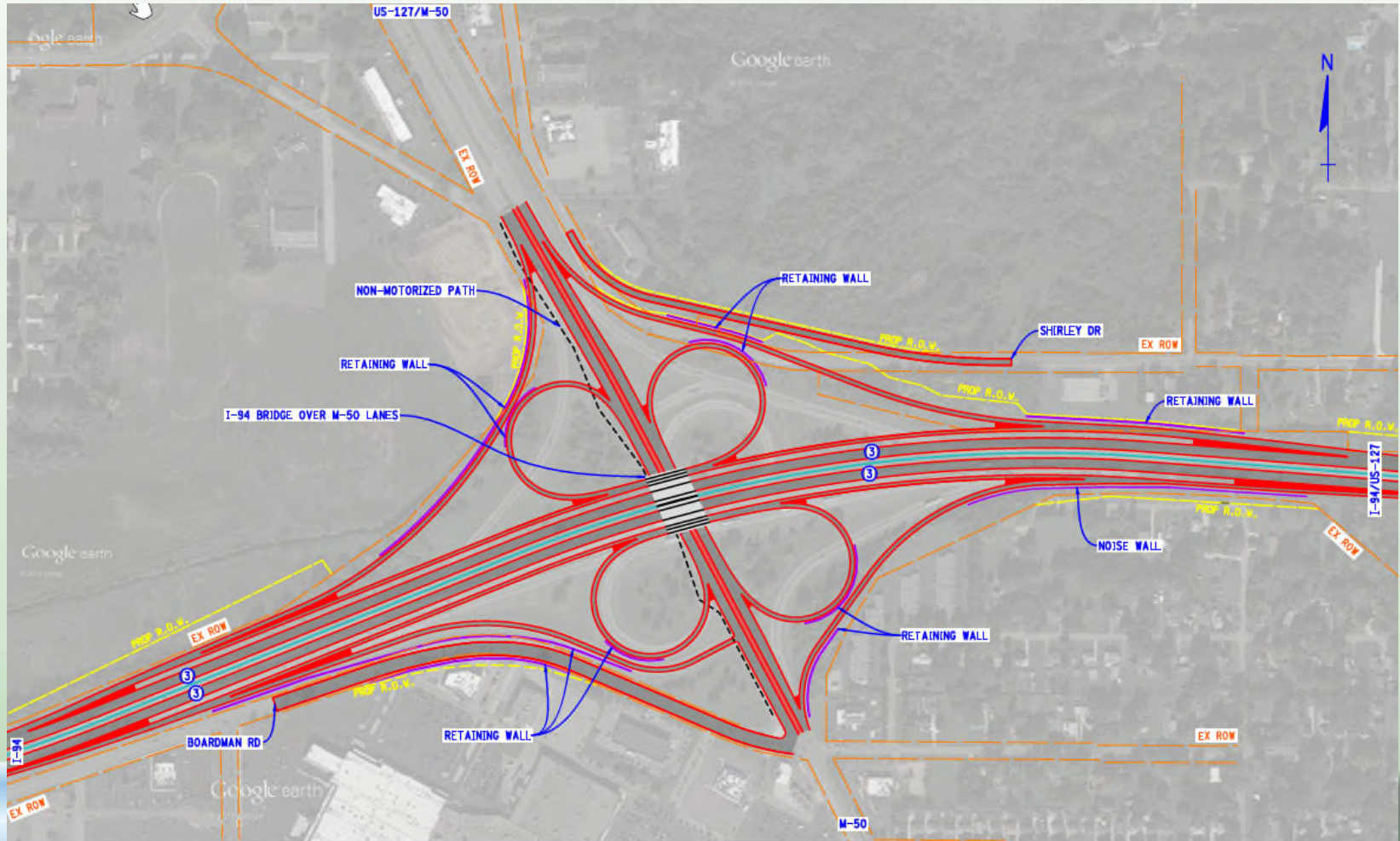
# Alt 4: Single Point Urban Interchange (SPUI)







# Alt 5: Cloverleaf







# Preliminary Alternative Comparison

Alternatives	CBC Evaluation Criteria						Other Criteria		
	Anticipated Crash Reduction from Existing	Provides Free-flow SB US-127 to EB I-94 Movement	Reduce Signals on US-127	ROW Impact (acres)	Cost	Avg Vehicle Delay (sec)	Constructability Ranking*	At-Grade, Non-Signalized Path Crossings	
No Build	N/A	No	N/A	0	\$0	AM 19.6 PM 30.9	N/A	N/A	
	-18%	Yes	No (2)	6.43	\$66.2M	AM 22.5	Low	0	
						PM 37.4			
Alt. 2 Grade Separated DDI	-18%	Yes	Yes (1)	6.43	\$79.2M	AM 17.8	Low	2	
						PM 29.1			
Preferred Alternatives Alt. 3 At Grade DDI	-28%	No	No (2)	0.84	\$61.3M	AM 21.3	Medium	2	
						PM 29.3			
Alt. 4 SPUI	-17%	No	Yes (1)	1.53	\$63.6M	AM 19.9	High	0	
						PM 27.2			
Alt. 5 Cloverleaf	-35%	No	Yes (0)	11.08	\$94.5M	AM 16.8	Medium	3	
						PM 28.3			



- Comment cards
- Cooper Street bridge over I-94 closing the week of March 11<sup>th</sup>!!!!