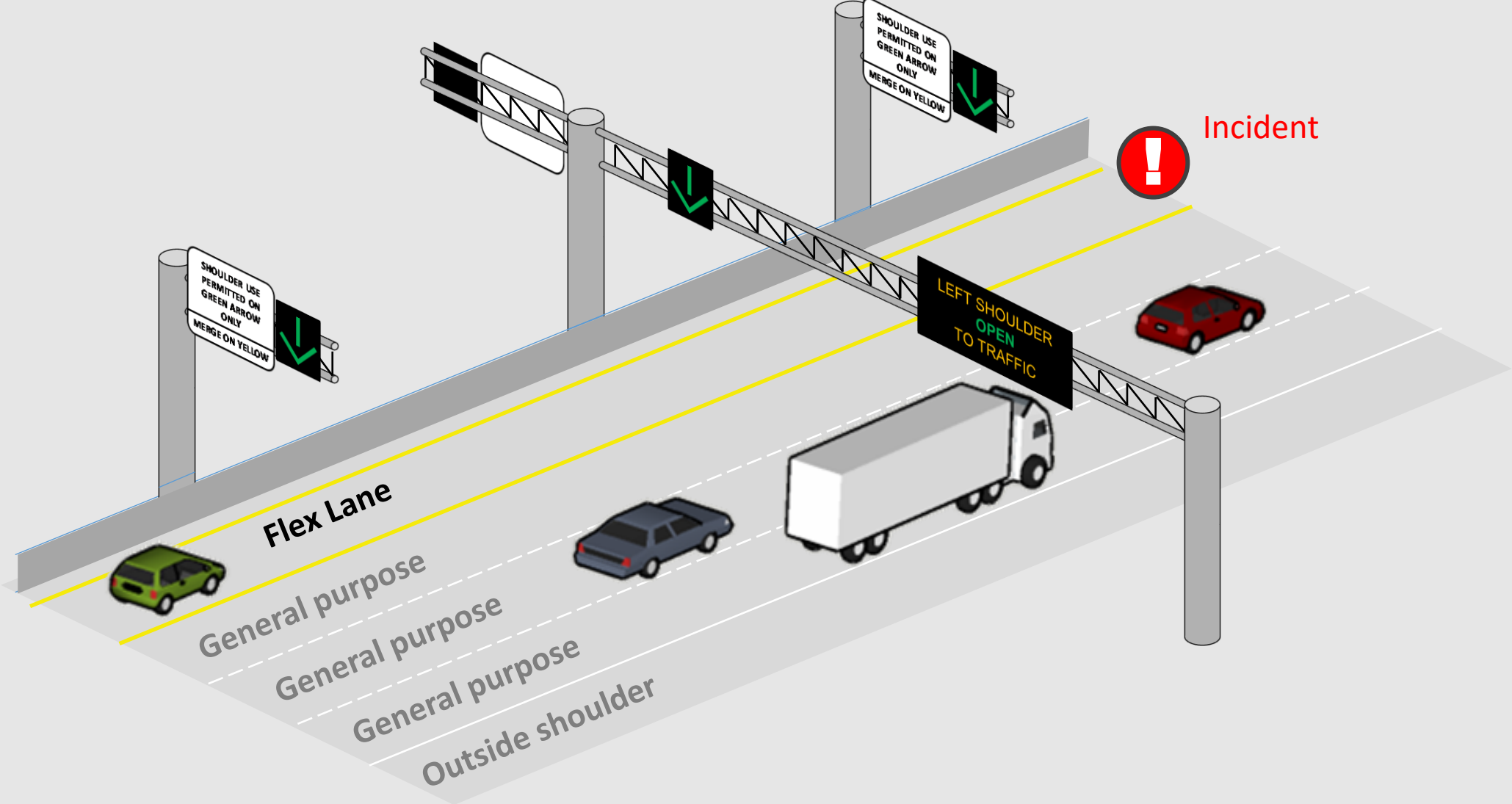




FLEX LANE

Madison Beltline

Flex Lane Operations





Madison Beltline Flex Lane

3 WB at Monona Dr
3:38:11 PM



2022 ITS WI Project of the Year



Madison Beltline Flex Lane
US 12/14/18/151 – Dane County



Task	Who?	Timeline
Post Operations Evaluation		
Outreach / How-to Video		
Construction/Integration Oversight		
Operators Manual	HNTB	
Software Module/Testing		
Final ITS Design	HNTB	
Preliminary ITS Design		
Systems Engineering		
Preliminary ITS Evaluation		
Majors Beltline Study		
		<div>2017</div> <div>2018</div> <div>2019</div> <div>2020</div> <div>2021</div> <div>2022</div> <div>2023</div>



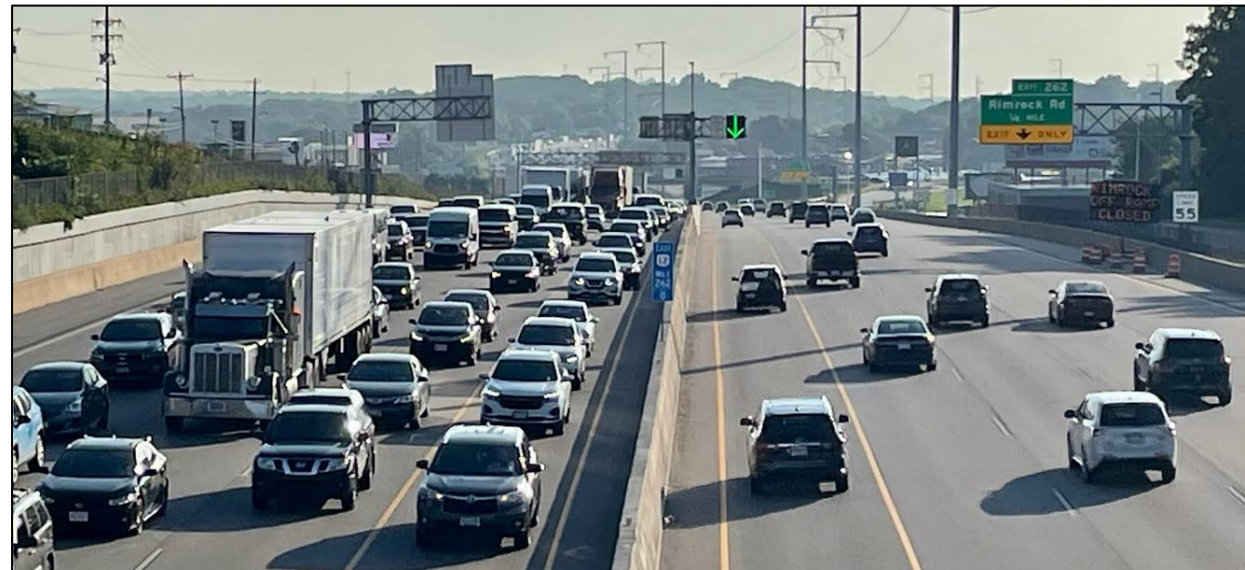
FLEX LANE

Madison Beltline

Madison Beltline Flex Lane

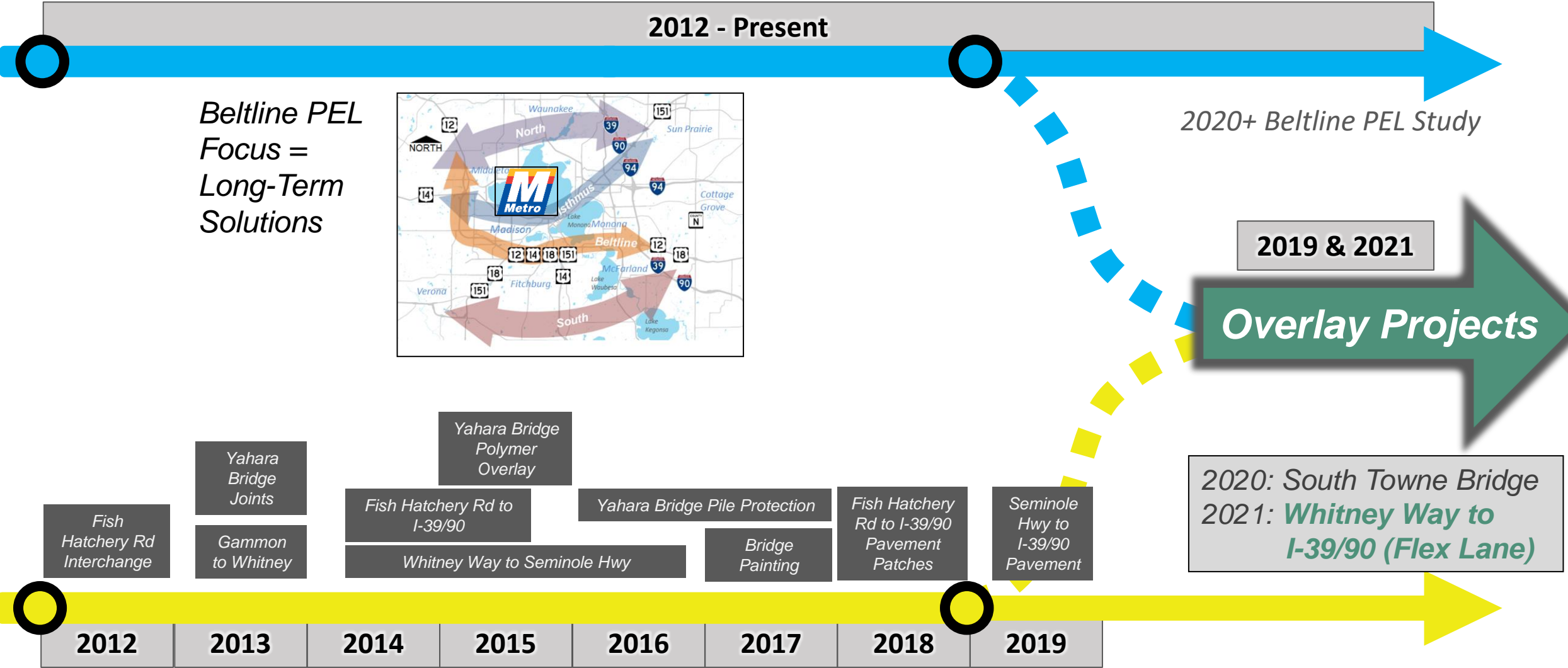


Existing Beltline

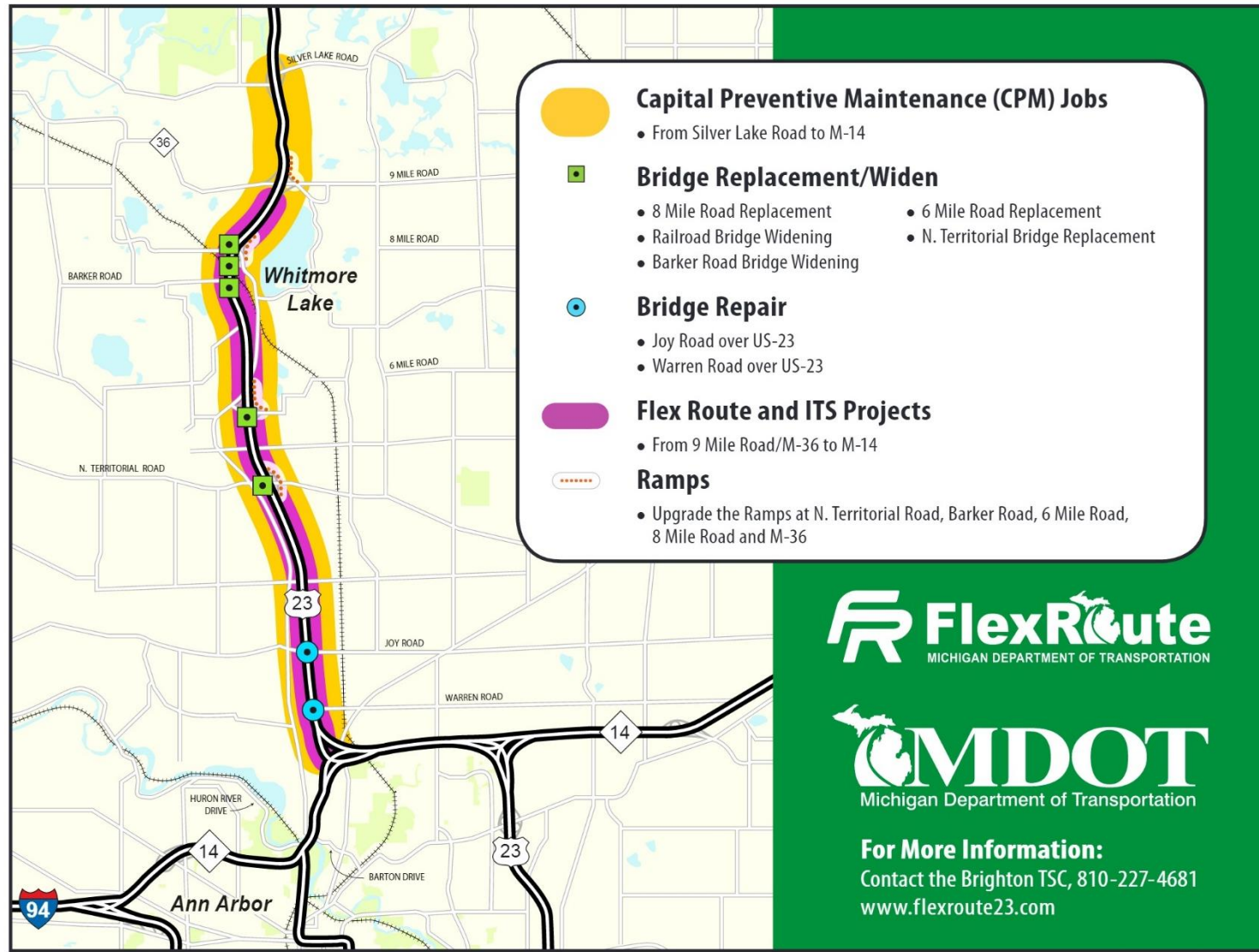


Beltline Maintenance Projects 2012 - Present

WisDOT Study / Engineering

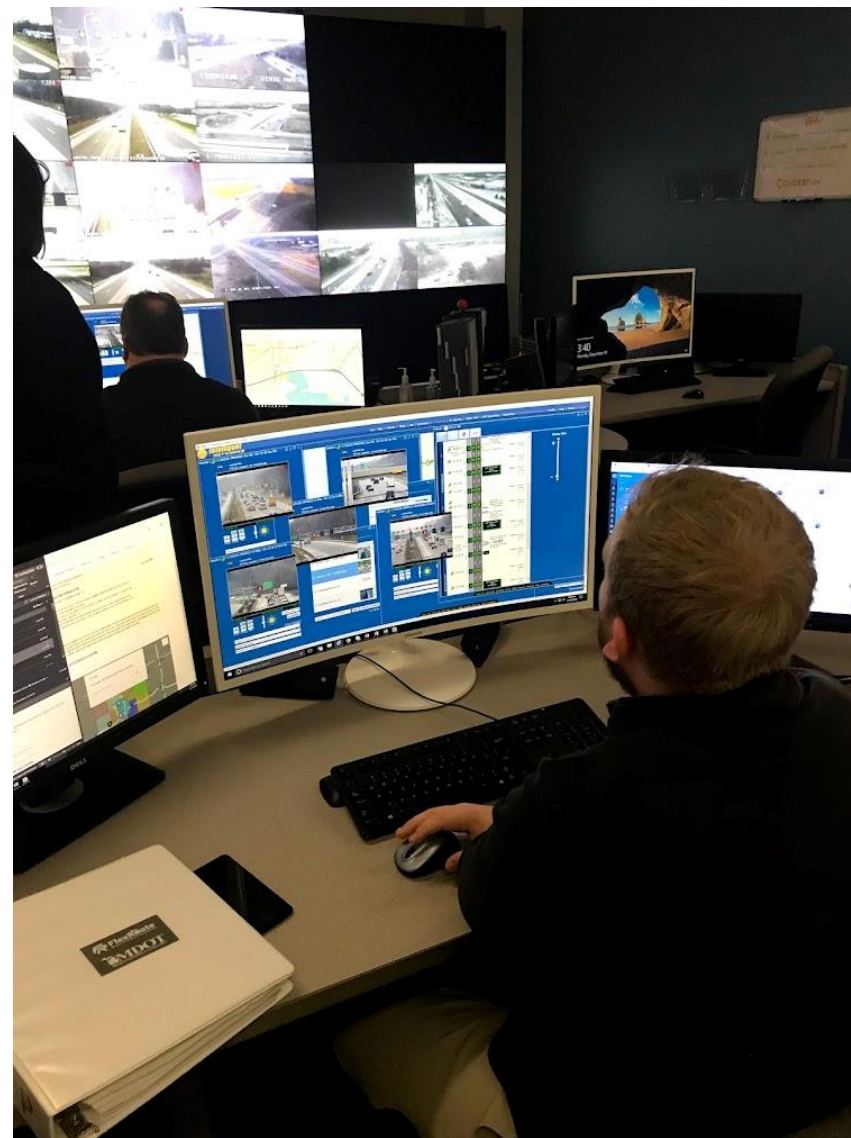


Other Agency Visits Provided Useful Background and Perspective

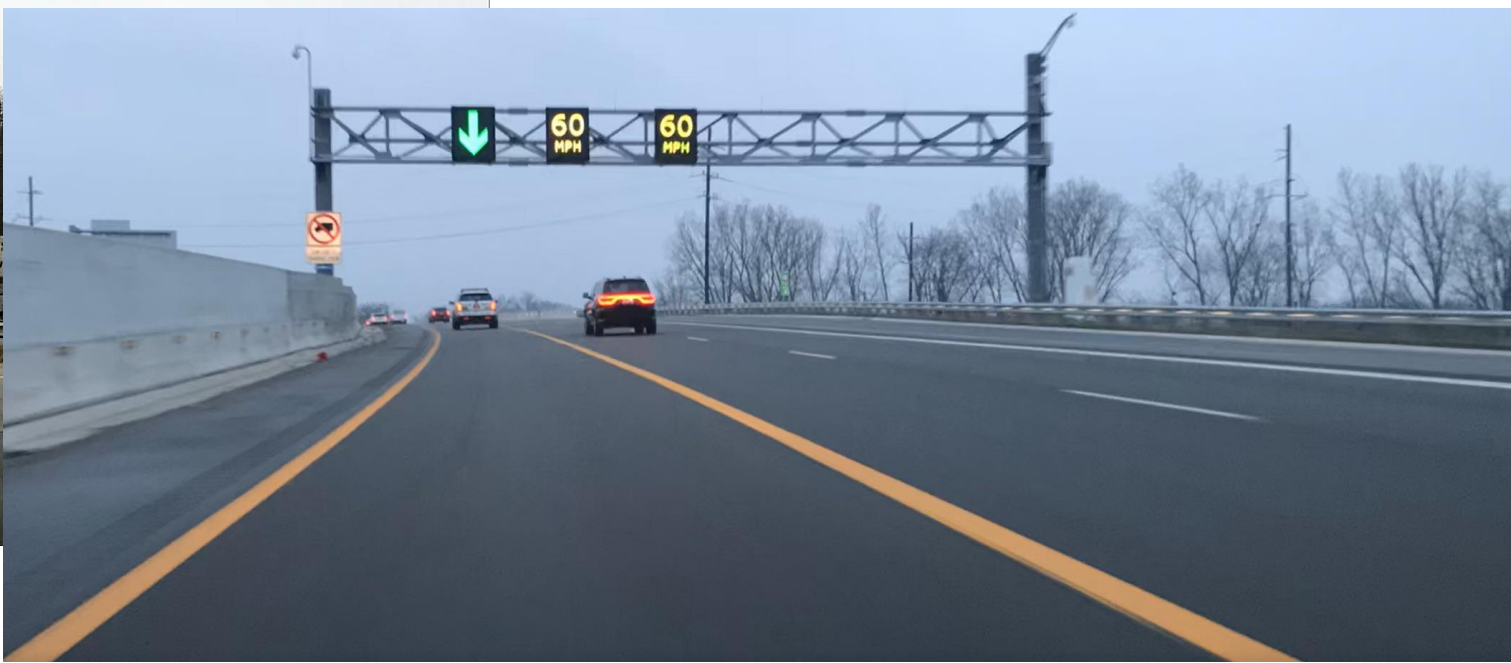


- M23 FlexRoute (Ann Arbor to Brighton)
- Visit – December 2018

Other Agency Visits Provided Useful Background and Perspective



Other Agency Visits Provided Useful Background and Perspective



Flex Lane Stakeholder Outreach



First Responder Coordination

Flex Lane Stakeholder Outreach



Flex Lane Draft Layouts

Flex Lane Stakeholder Outreach



First Responder Incident Table Top Exercise

Hot Wheel Cars in the Hands of Law Enforcement Provides Valuable Feedback



Flex Lane Draft Layouts



First Responder Incident Table-Top Exercise

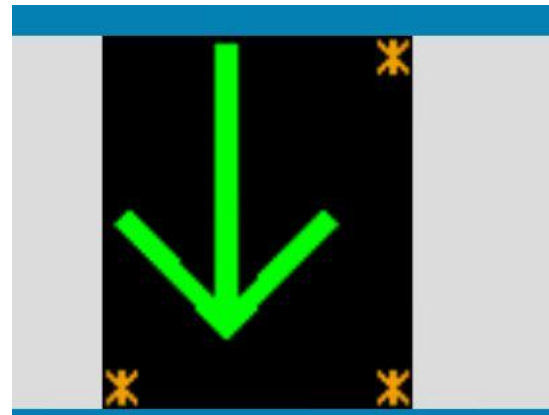




Lane Control Signs



Testing



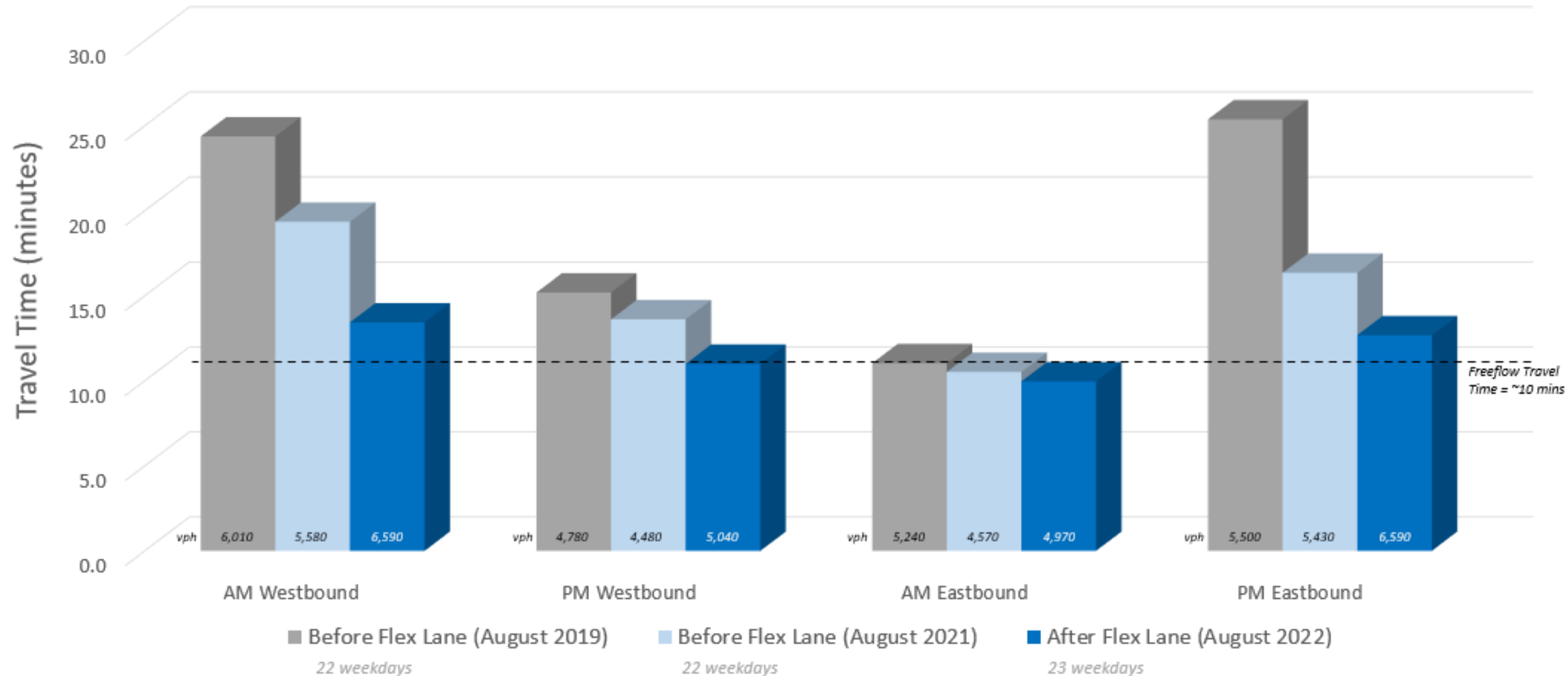


Beltline Flex Lane Performance: Mainline Traffic Operations

DRAFT 2022-09-12



Beltline Travel Times: Whitney Way to I-39/90



Opening for Special Events & Maintenance

- Badger games
- Dairy Expo
- Maintenance

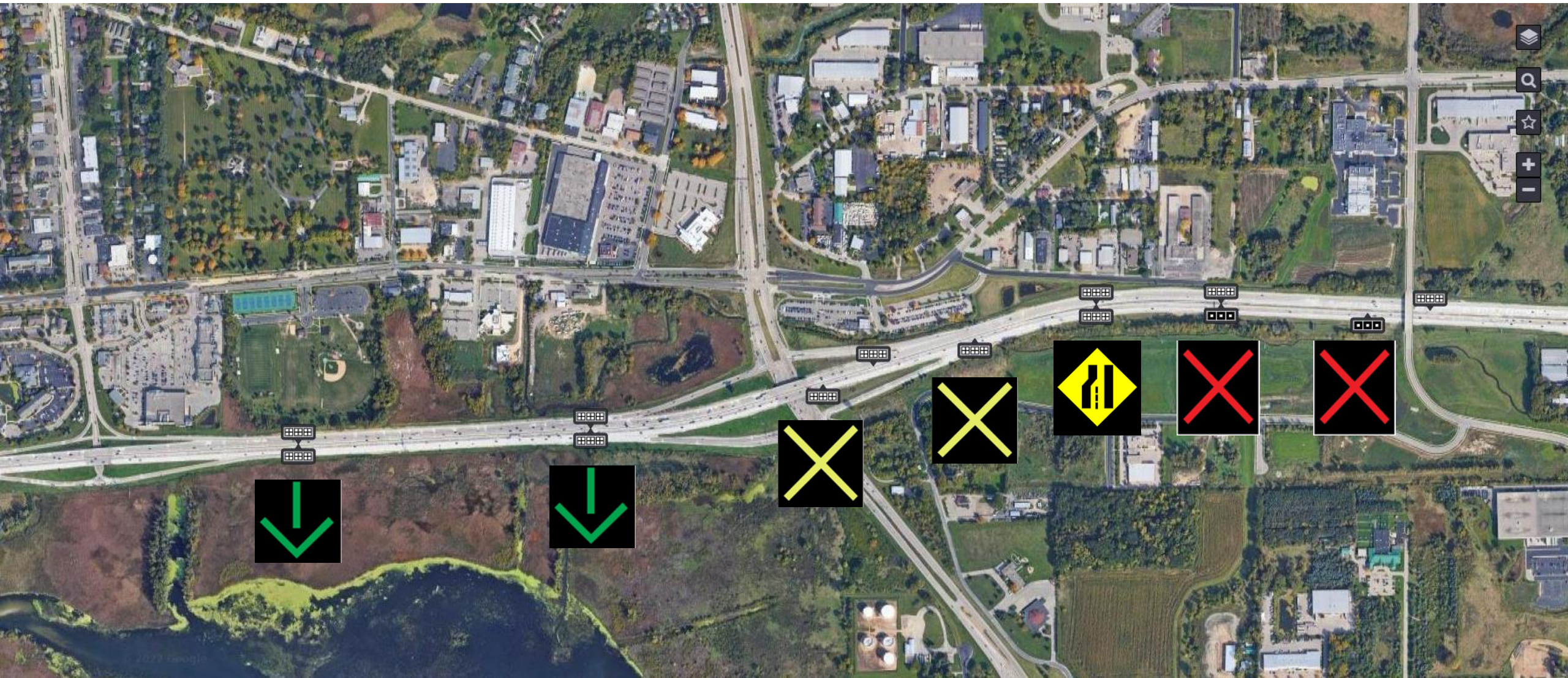


Unplanned Opening and Closing

- Incidents
- Planned maintenance
- Weather
- Power outage



End of Lane Merge



Additional Flex Lane Signs



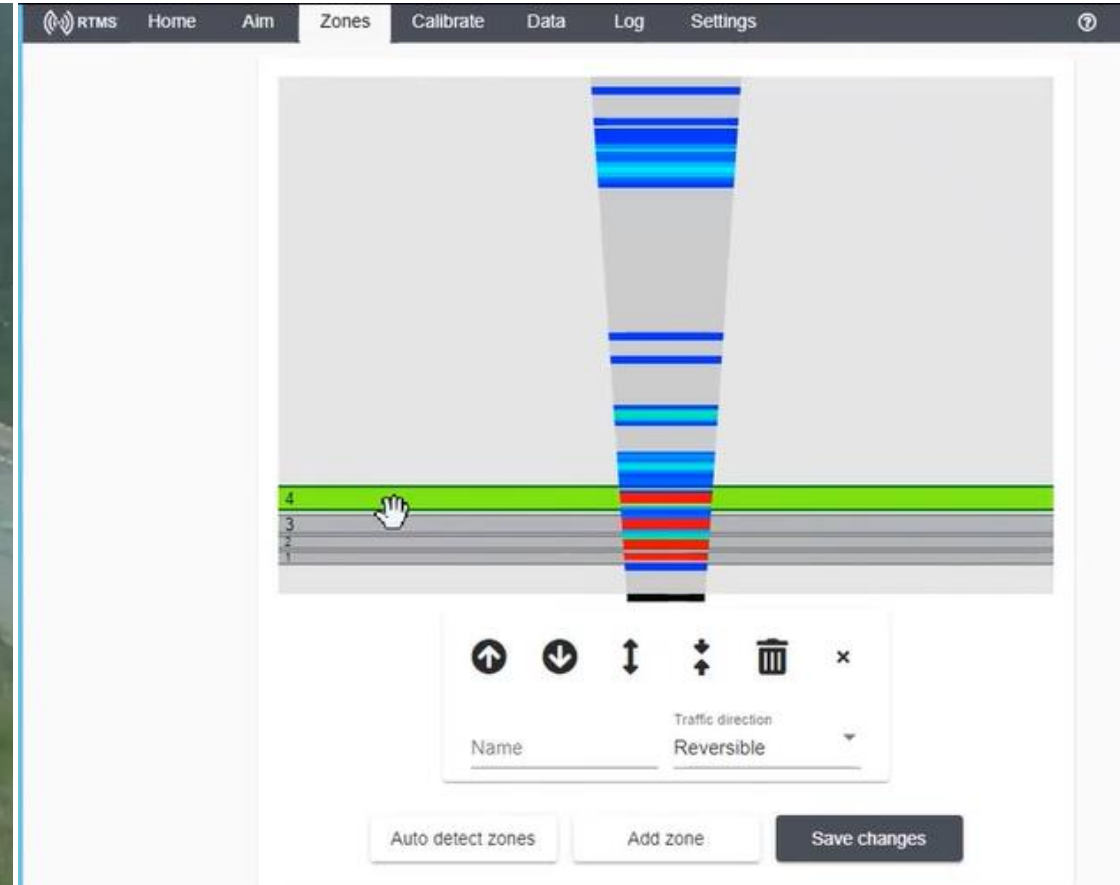
Dane Hwy Dept. 8/22



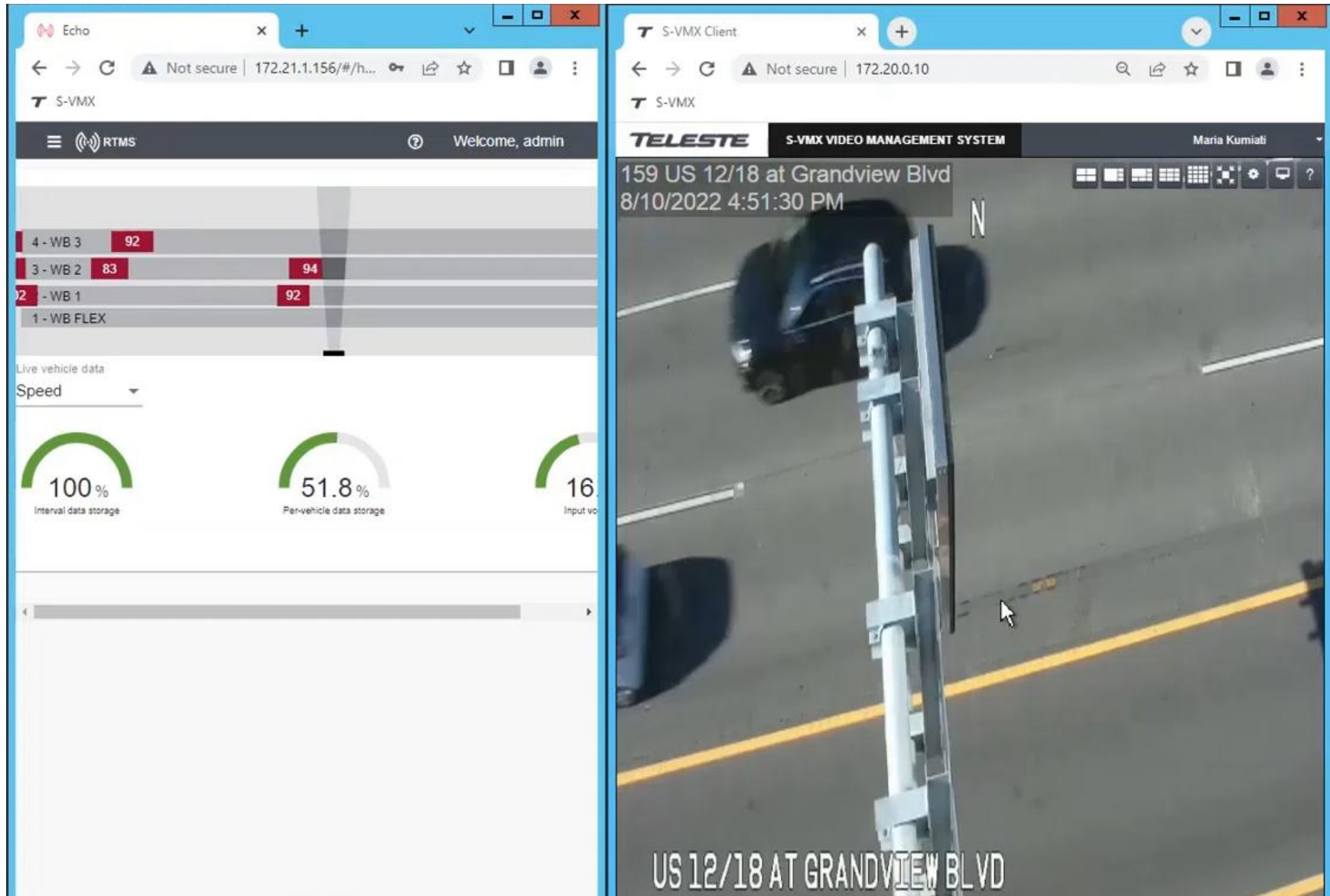
Dane Hwy Dept. 8/22

3 Weeks after lanes opened.

Traffic Detector Set-up



Traffic Detector Set-up



Freeway Message Signing



Driver Behavior

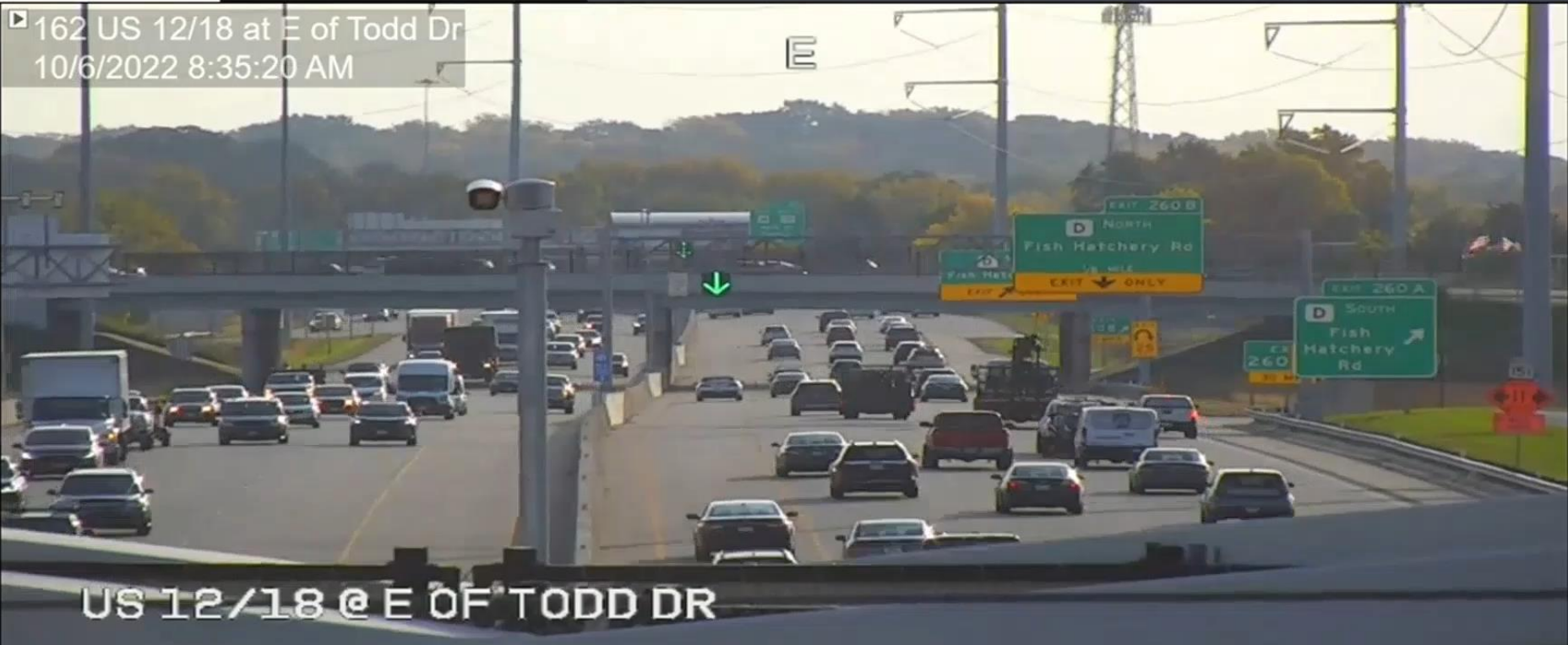
S-VMX Client

Not secure | 172.20.0.10

TMC ATMS WisTnsPrtal MAPSS Imported Box Google Claris 511wi.gov ATMS - Report ITSA State Chapters ITS Wish List - Goo... Brewers 2022

TELESTE S-VMX VIDEO MANAGEMENT SYSTEM Liz Schneider

▶ 162 US 12/18 at E of Todd Dr
10/6/2022 8:35:20 AM





US 12/18 @ E OF TODD DR

Type here to search

9:08 AM
10/6/2022

Schneider, Elizabeth - DOT



Driver Behavior



Lessons Learned

- Training
- Simulations
- Access to reference material
- Communication





Questions?

wisconsindot.gov/FlexLane

YouTube videos are posted on the website

Luke Holman, PE, Strand Associates, Inc.
(608) 251-4843 – luke.holman@strand.com

Liz Schneider, WisDOT Traffic Management Center
(414) 750-2918 – Elizabeth1.Schneider@dot.wi.gov