



# TRI-COUNTY EXPANSION



# WIS 441 Tri-County Project

## Public Meeting

March 10, 2016

# Presentation Outline

- Introductions
- Project improvements and updated schedule
- Noise barrier process and results
- Diverging diamond interchange
- 2016 construction preview
- Community outreach and business resources

# Introductions

- WIS 441 Tri-County Project team
  - Will Dorsey, Northeast Region Director
  - Tom Buchholz, Project Development Manager
  - Chad DeGrave, Design Supervisor
  - Scott Ebel, Design Project Manager
  - Tammy Rabe, Construction Supervisor
  - Kurt Peters, Construction Project Manager

# Project Overview

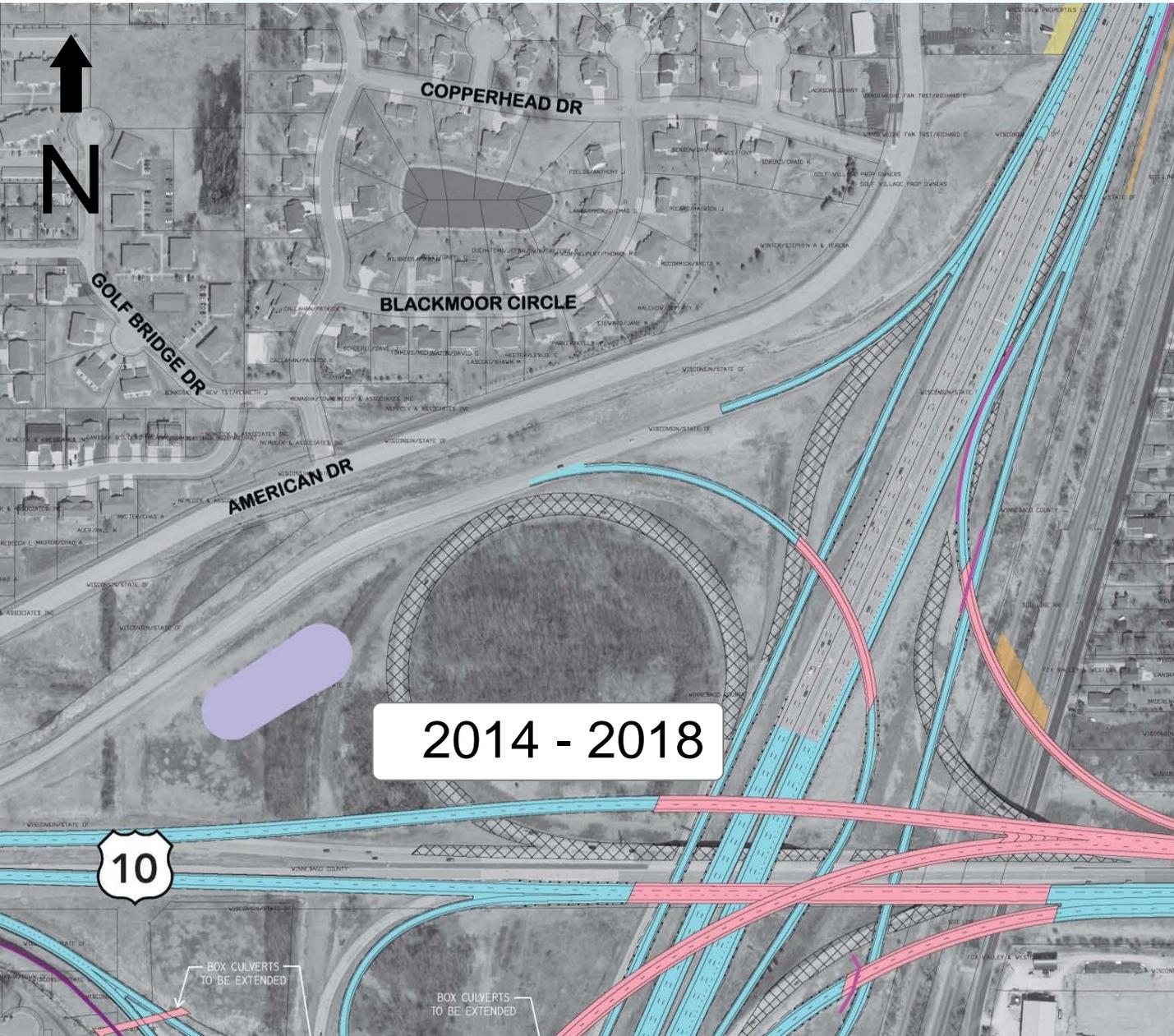


- 5 interchanges
- 6 miles of mainline
- Second LLBDM bridge
- Intersection reconstruction

# Project Schedule

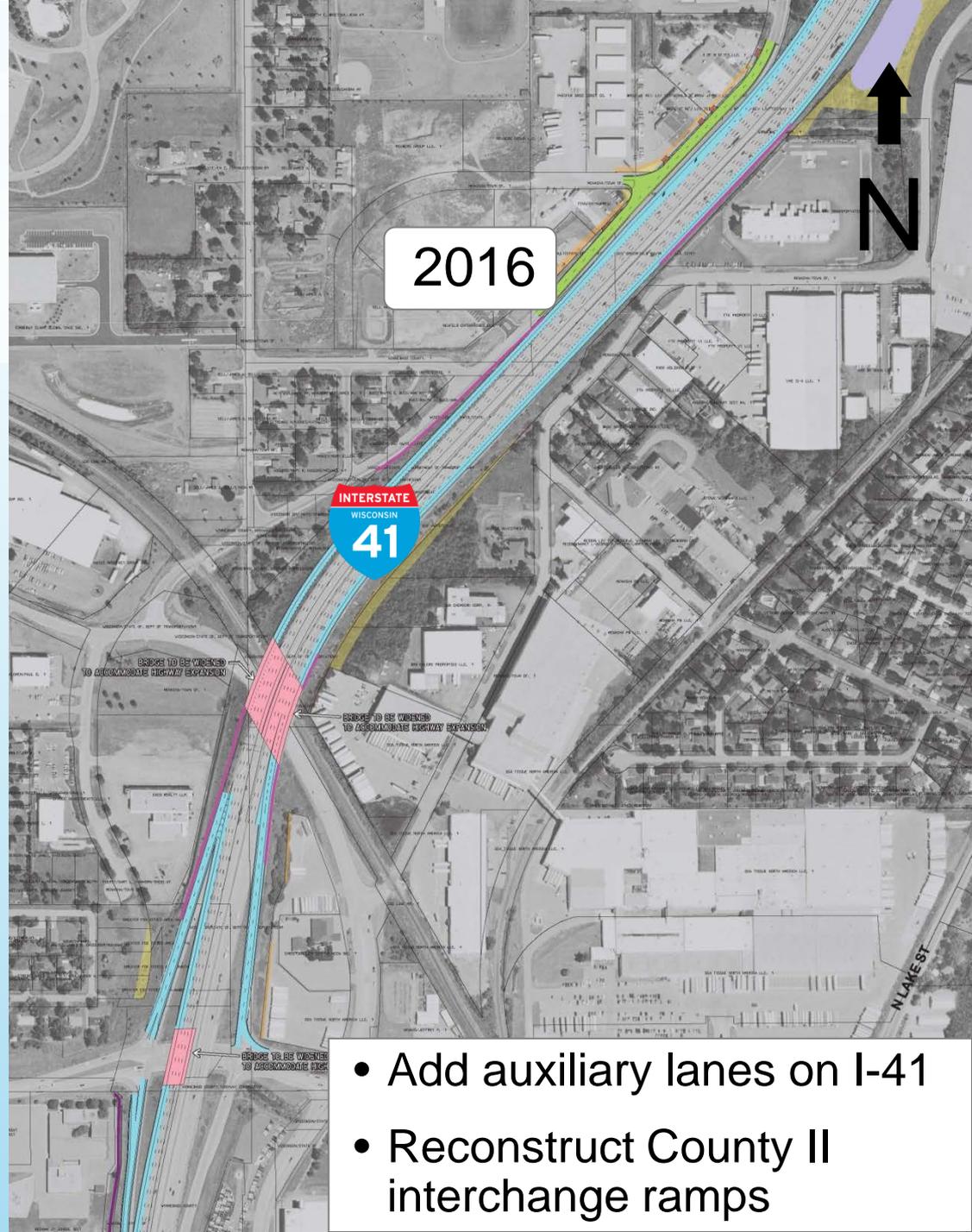
Function	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Design	■	■	■	■	■	■				
Real Estate		■	■	■	■	■				
Utilities		■	■	■	■	■	■			
Construction		■	■	■	■	■	■	■	■	■

# I-41/WIS 441 Interchange (north)



- Reconstruct I-41/ WIS 441 system interchange
- Free-flow movements all directions
- Freeway split for US 10 WB and WIS 441 SB
- Add auxiliary lanes on I-41

# I-41/WIS 441 Interchange and mainline (south)



- Add auxiliary lanes on I-41
- Reconstruct County II interchange ramps

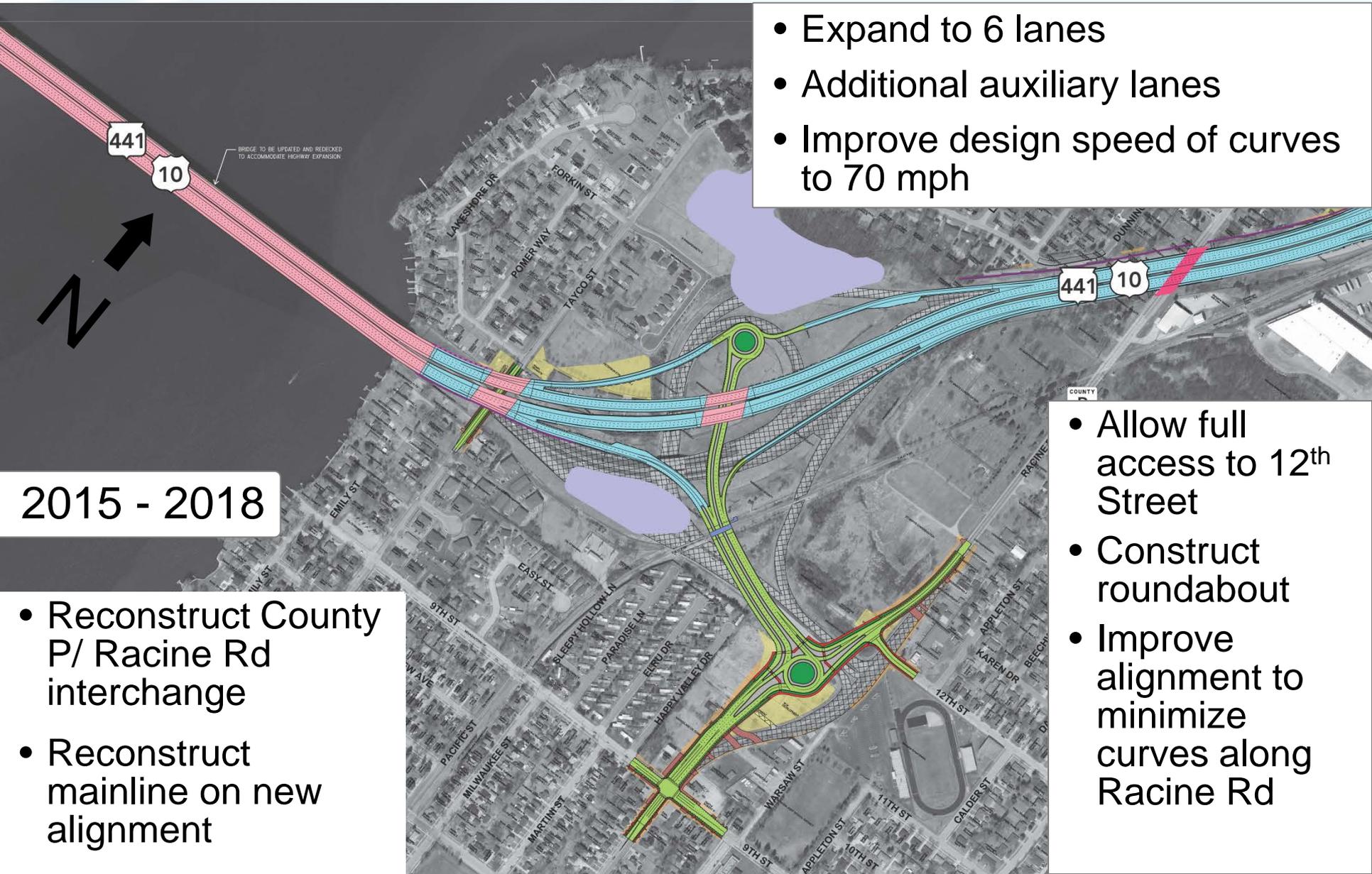
# Little Lake Butte des Morts Structures



2014 - 2018

- Construct 2<sup>nd</sup> parallel bridge over LLBDM
- New concrete structure closely matches existing
- Spans will vary from existing, more cost effective
- Stain existing and new structures to match
- Structures will have overhead bridge deck lighting

# County P/Racine Rd Interchange



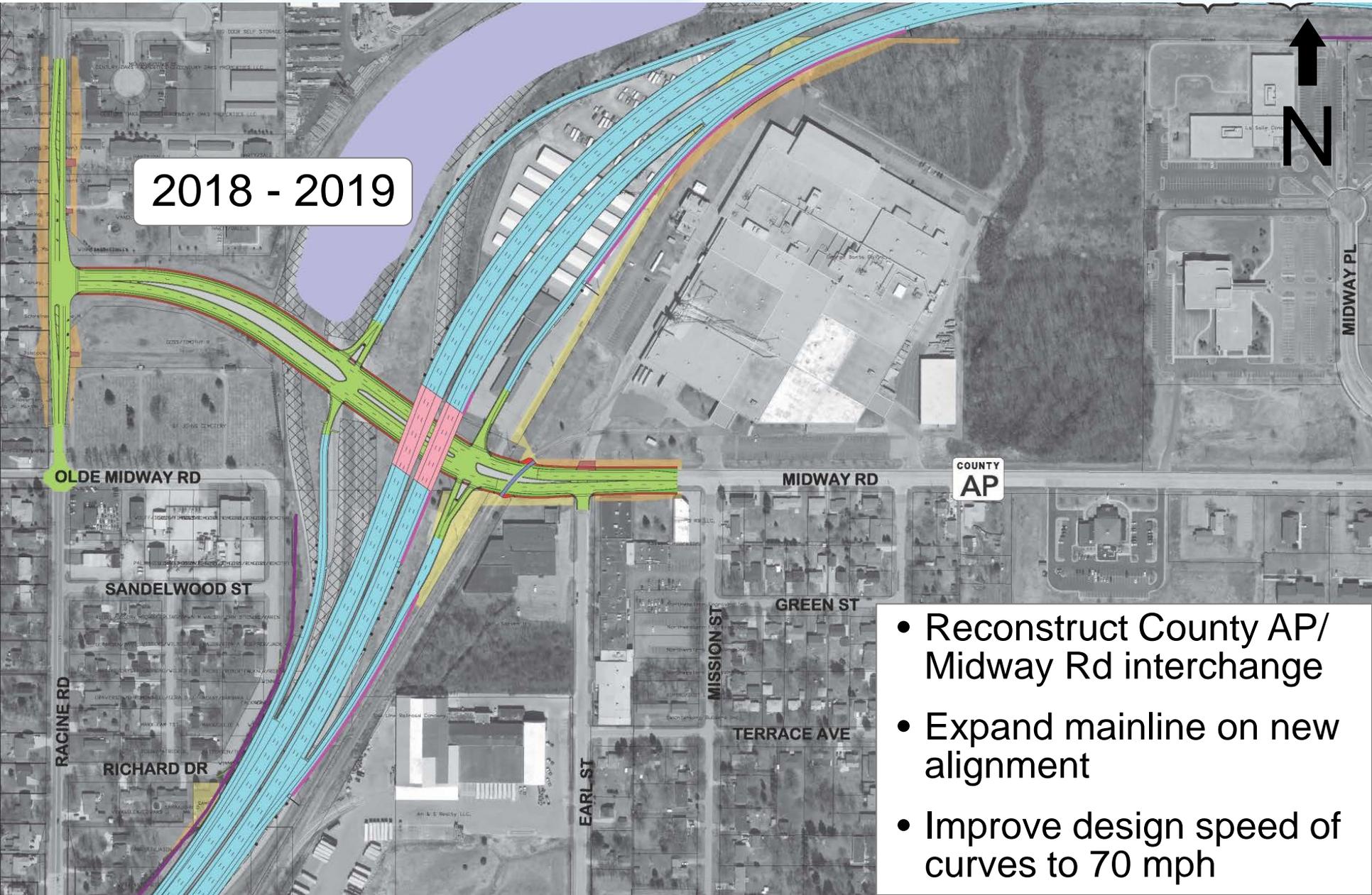
- Expand to 6 lanes
- Additional auxiliary lanes
- Improve design speed of curves to 70 mph

2015 - 2018

- Reconstruct County P/ Racine Rd interchange
- Reconstruct mainline on new alignment

- Allow full access to 12<sup>th</sup> Street
- Construct roundabout
- Improve alignment to minimize curves along Racine Rd

# County AP/Midway Rd Interchange



2018 - 2019

- Reconstruct County AP/ Midway Rd interchange
- Expand mainline on new alignment
- Improve design speed of curves to 70 mph

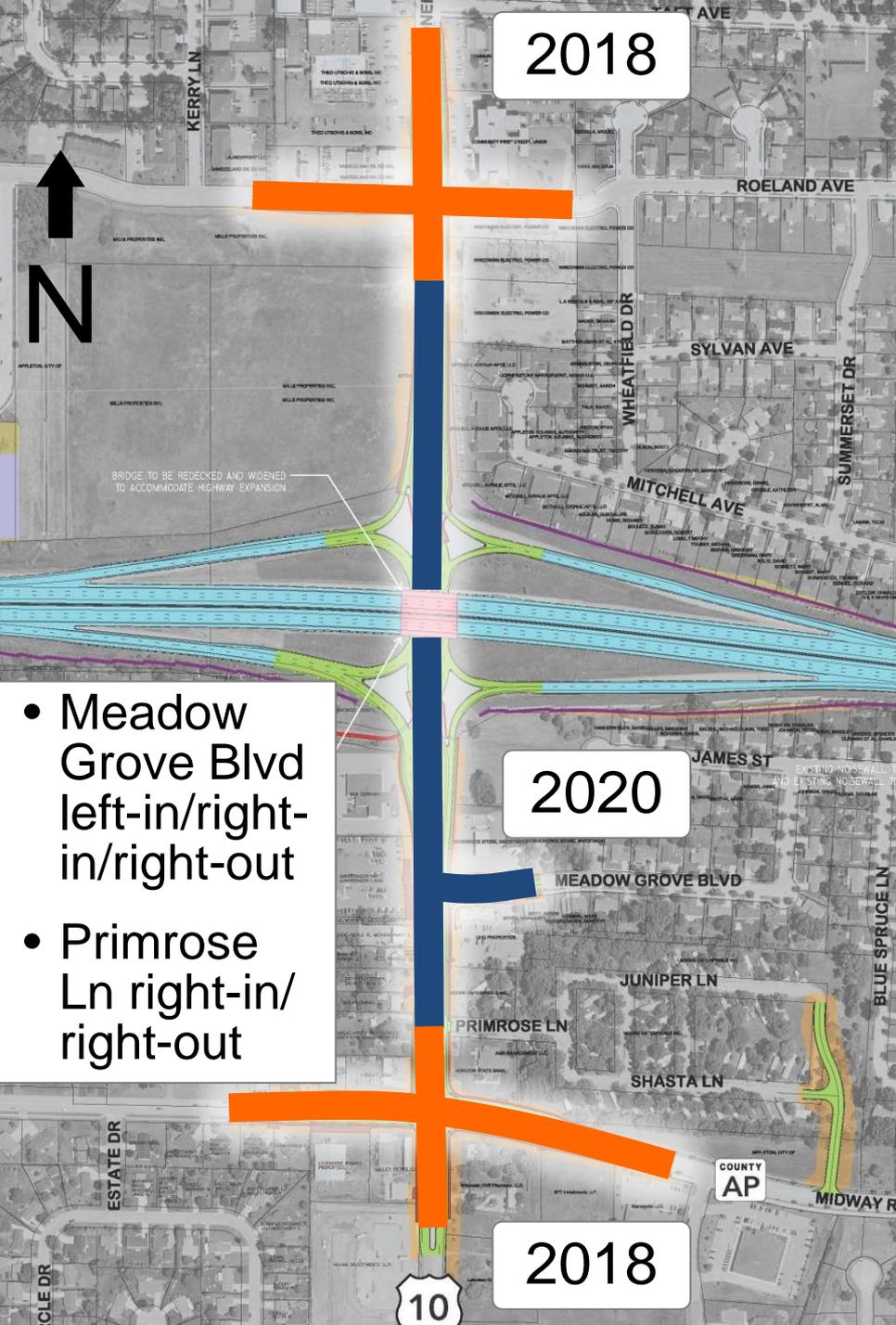
# US 10/Oneida St Interchange Ramps and WIS 441 Mainline

- Reconstruct US 10/Oneida St interchange ramps

2019 - 2020

2020 - 2021

- Expand mainline on existing alignment



2018

2020

2018

- Meadow Grove Blvd left-in/right-in/right-out
- Primrose Ln right-in/right-out

# US 10/Oneida St Interchange

- Construct a diverging diamond interchange at US 10/Oneida St
- Enhance safety and mobility with access changes
- Improve intersections to handle additional traffic
- Minimize construction impacts during Oneida Street Interchange closure

# Diverging Diamond Interchange

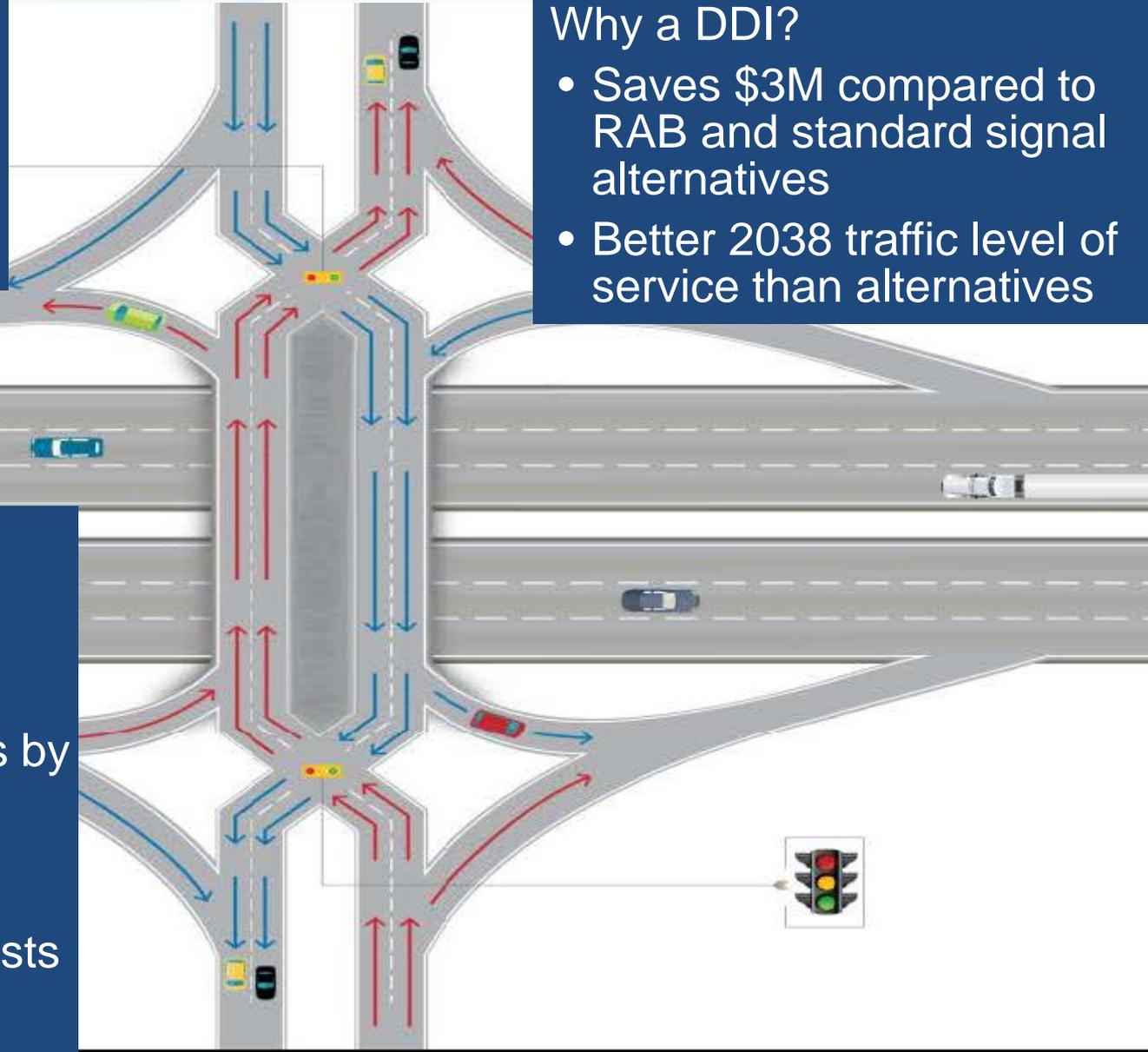
- Easy navigation, guides drivers with:
- Overhead signs
- Pavement markings
- Traffic signals

## Why a DDI?

- Saves \$3M compared to RAB and standard signal alternatives
- Better 2038 traffic level of service than alternatives

## Improved safety and capacity

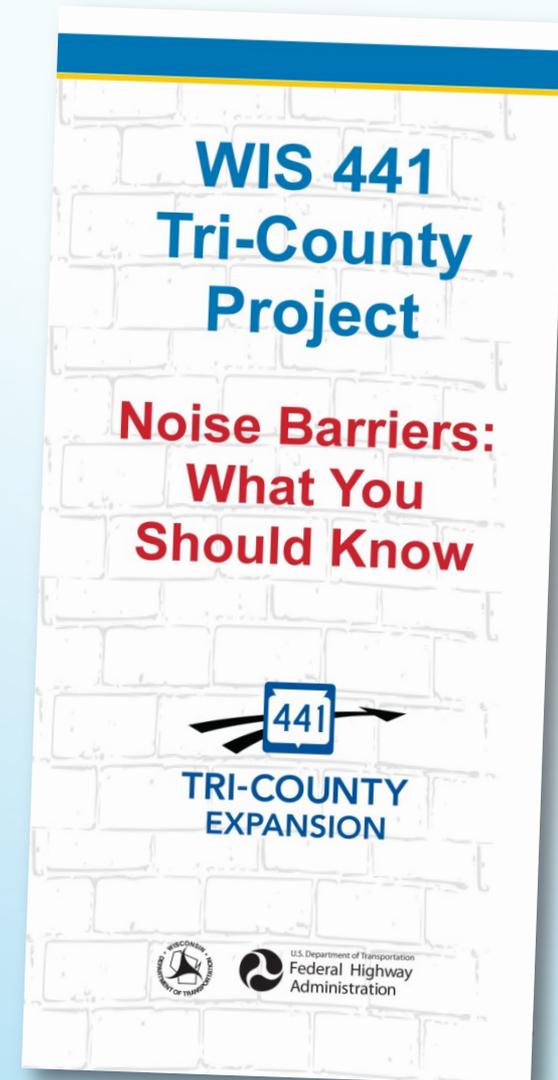
- Free-flow right and left turns onto freeway
- Reduces conflict points by nearly half (14 vs 26)
- Meets all user needs including large trucks, pedestrians and bicyclists



# WIS 441 Noise Barriers

## Process and Analysis

- Measured existing noise levels in June 2013
- Modeled and identified properties that approach or exceed threshold
- Designed noise barriers that economically maximize attenuation
- Conducted vote among all benefited receptors (required)
- Barriers will be funded as part of construction



# WIS 441 Noise Barriers

Votes tallied:

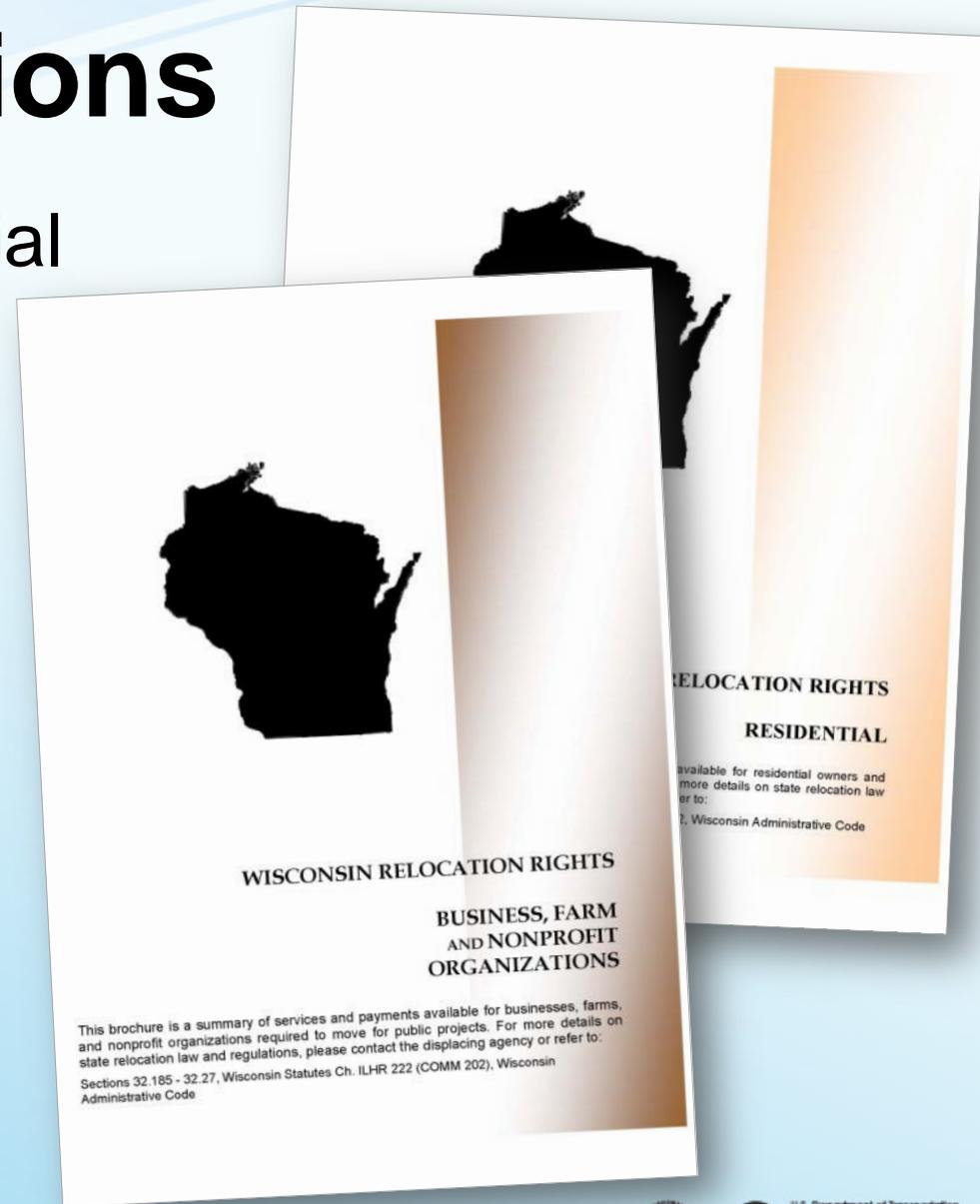
Overwhelming support for noise barriers



- Public meeting held in May 2015
- Votes were tallied and residents support all proposed noise barriers
- Residents overwhelmingly prefer Ashlar Stone

# Next Steps - Real Estate Acquisitions

- Business and residential displacements
  - identified on displays
  - Wisconsin's relocation program
    - Re-establishment of displaced persons and businesses
    - Prompt and reasonable relocation payments
    - Fair market value

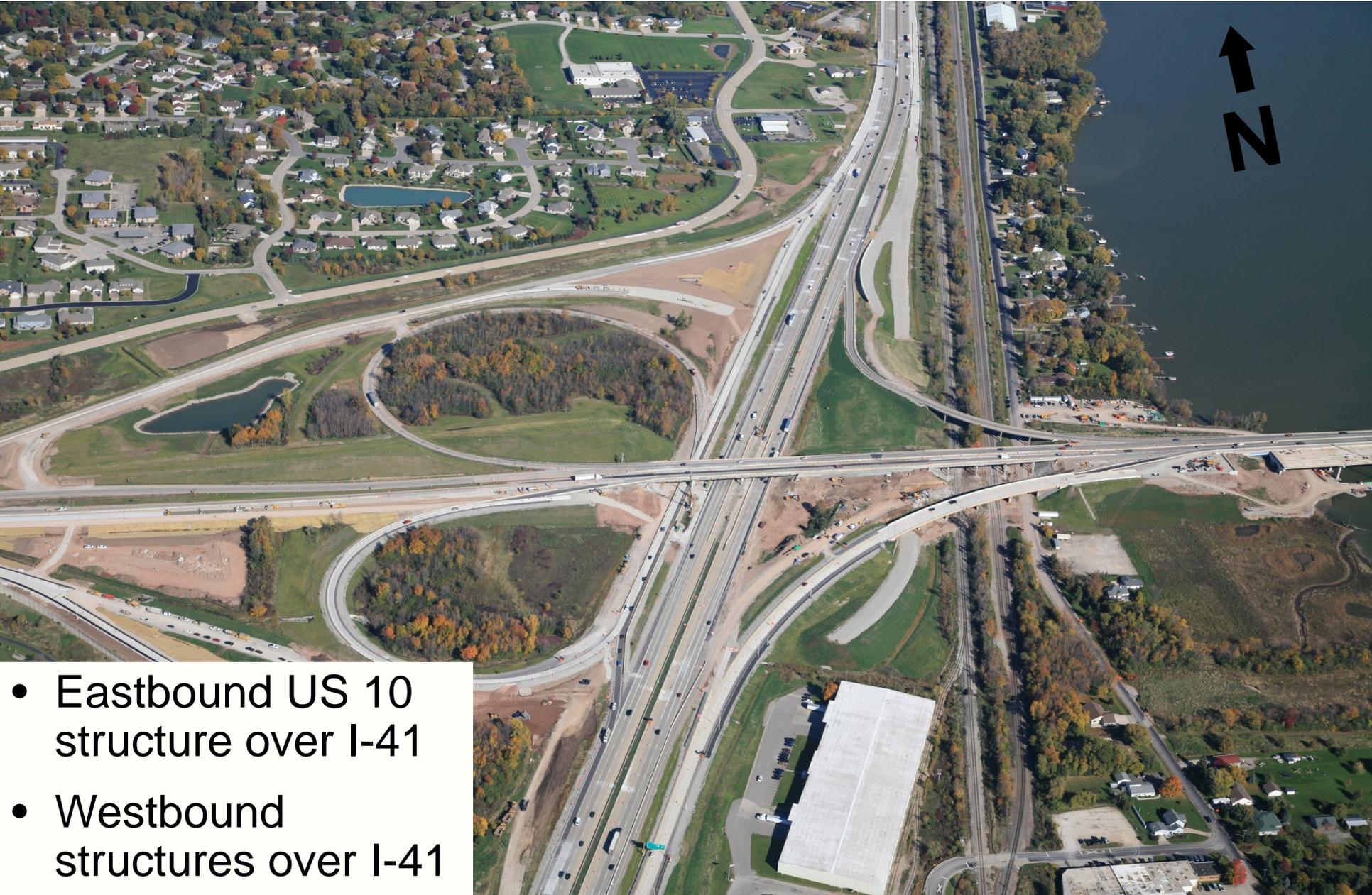


# 2016 Construction Preview



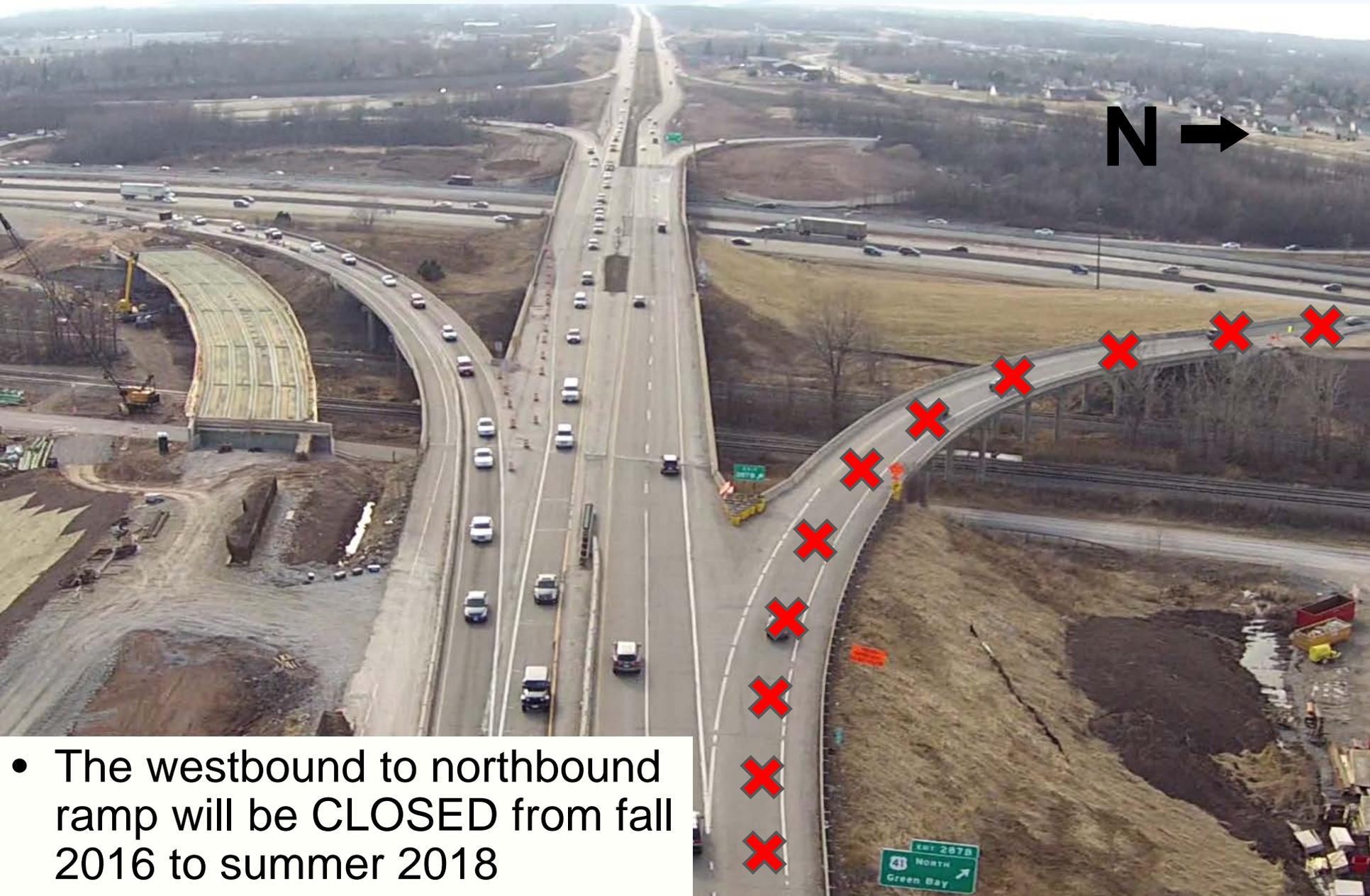
- I-41 System interchange
- LLBDM crossing
- Racine Road and interchange
- I-41 mainline, County II

# I-41 System Interchange



- Eastbound US 10 structure over I-41
- Westbound structures over I-41

# I-41 System Interchange



N →



EXIT 287B  
4 NORTH  
Green Bay

- The westbound to northbound ramp will be CLOSED from fall 2016 to summer 2018

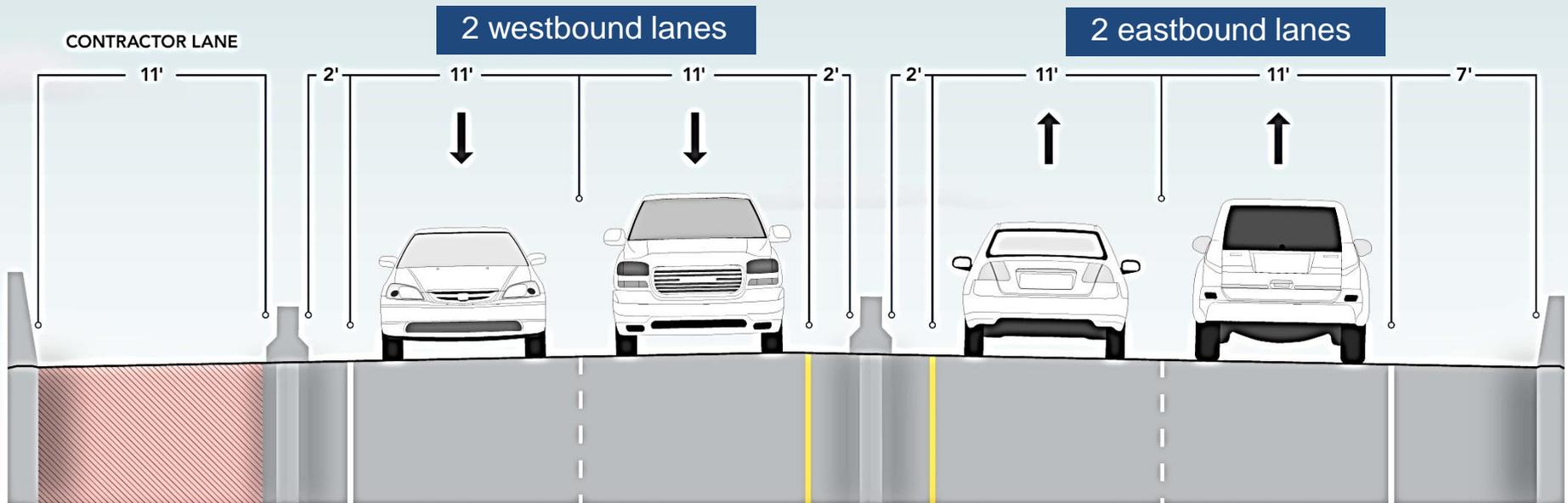
# LLBDM Crossing



- Fall 2016:
  - Traffic shift to the new LLBDM bridge
  - Reconditioning work begins on the existing bridge

# LLBDM Crossing

Fall of 2016 through  
Summer of 2018

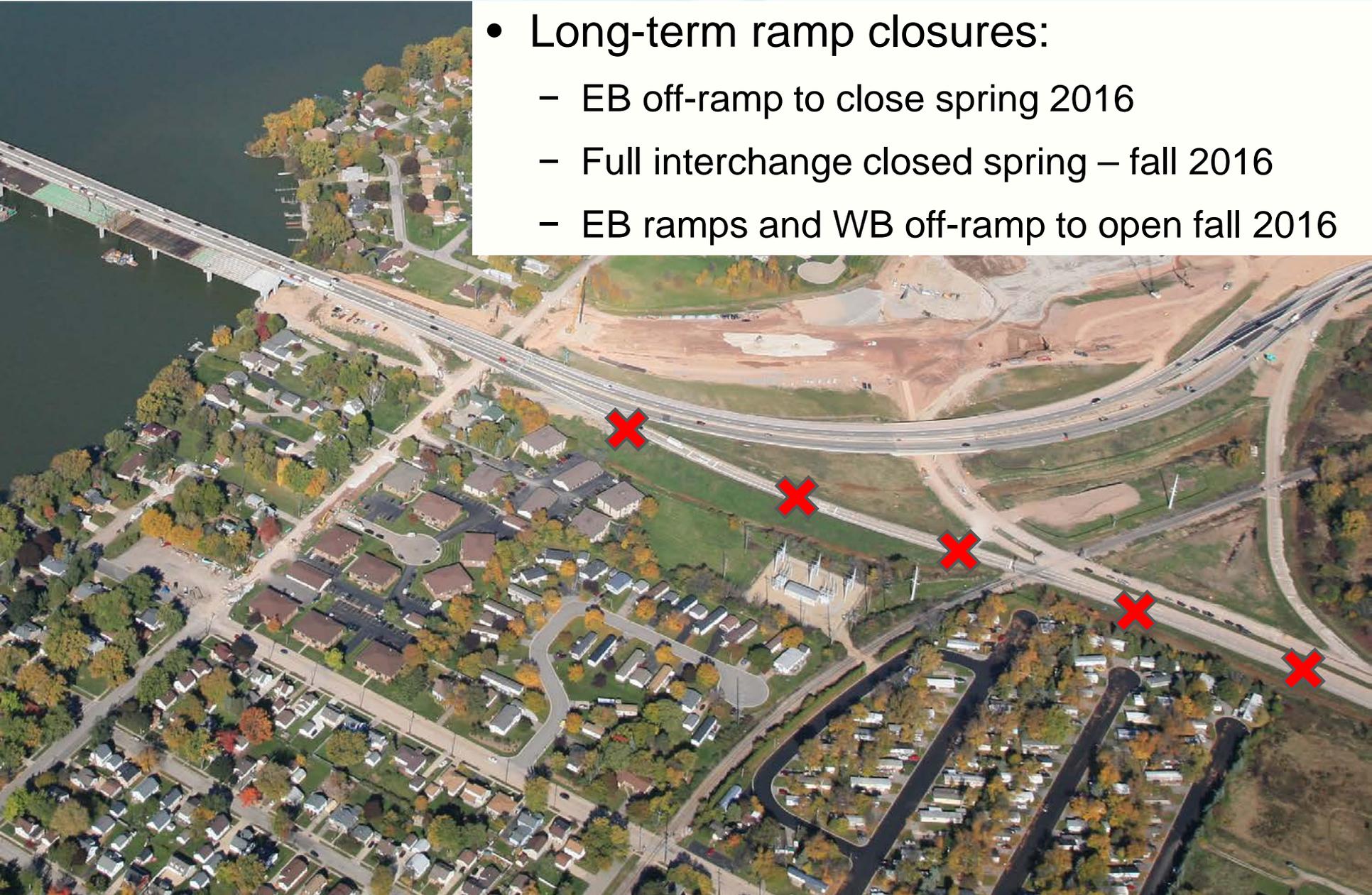


## Contractor lane

- Planned on the newly constructed bridge between fall 2016 and summer 2018
- Facilitates the rehabilitation of the existing bridge

# Racine Road Interchange

- Long-term ramp closures:
  - EB off-ramp to close spring 2016
  - Full interchange closed spring – fall 2016
  - EB ramps and WB off-ramp to open fall 2016



# Racine Road Reconstruction



- Long term road closure:
  - **Mid-June:** 8<sup>th</sup> St to Airport Rd to close

- Long term road closure:
  - **Aug 19:** 9<sup>th</sup> St and 12<sup>th</sup> St intersections to open
  - **Oct 4:** Racine Road to open

Airport Rd

Racine Rd

12<sup>th</sup> Street

9<sup>th</sup> Street

8<sup>th</sup> Street

# I-41 and County II interchange

American Drive will be reconstructed to accommodate widening of I-41

- Requires a 30-day closure in June 2016
- Local business traffic access will be maintained



Construct auxiliary lanes on I-41 mainline

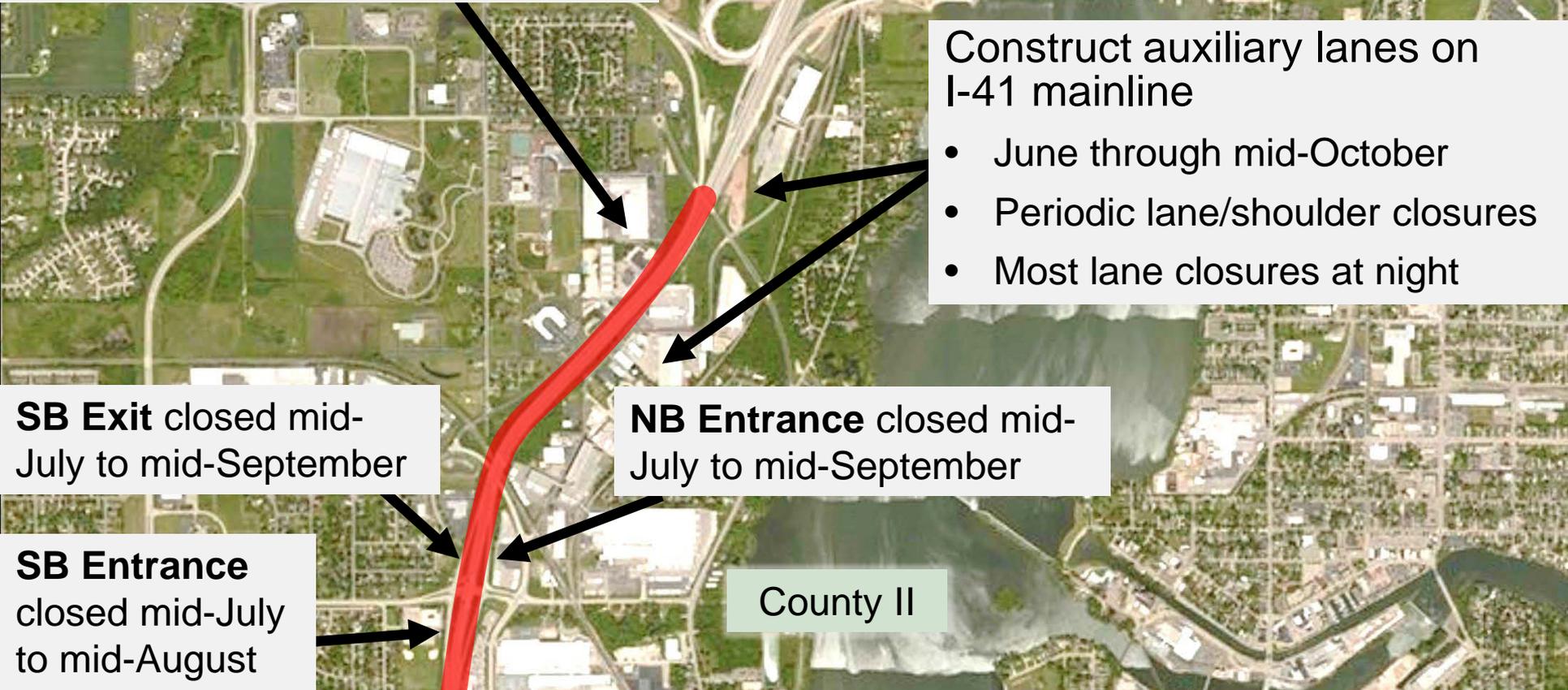
- June through mid-October
- Periodic lane/shoulder closures
- Most lane closures at night

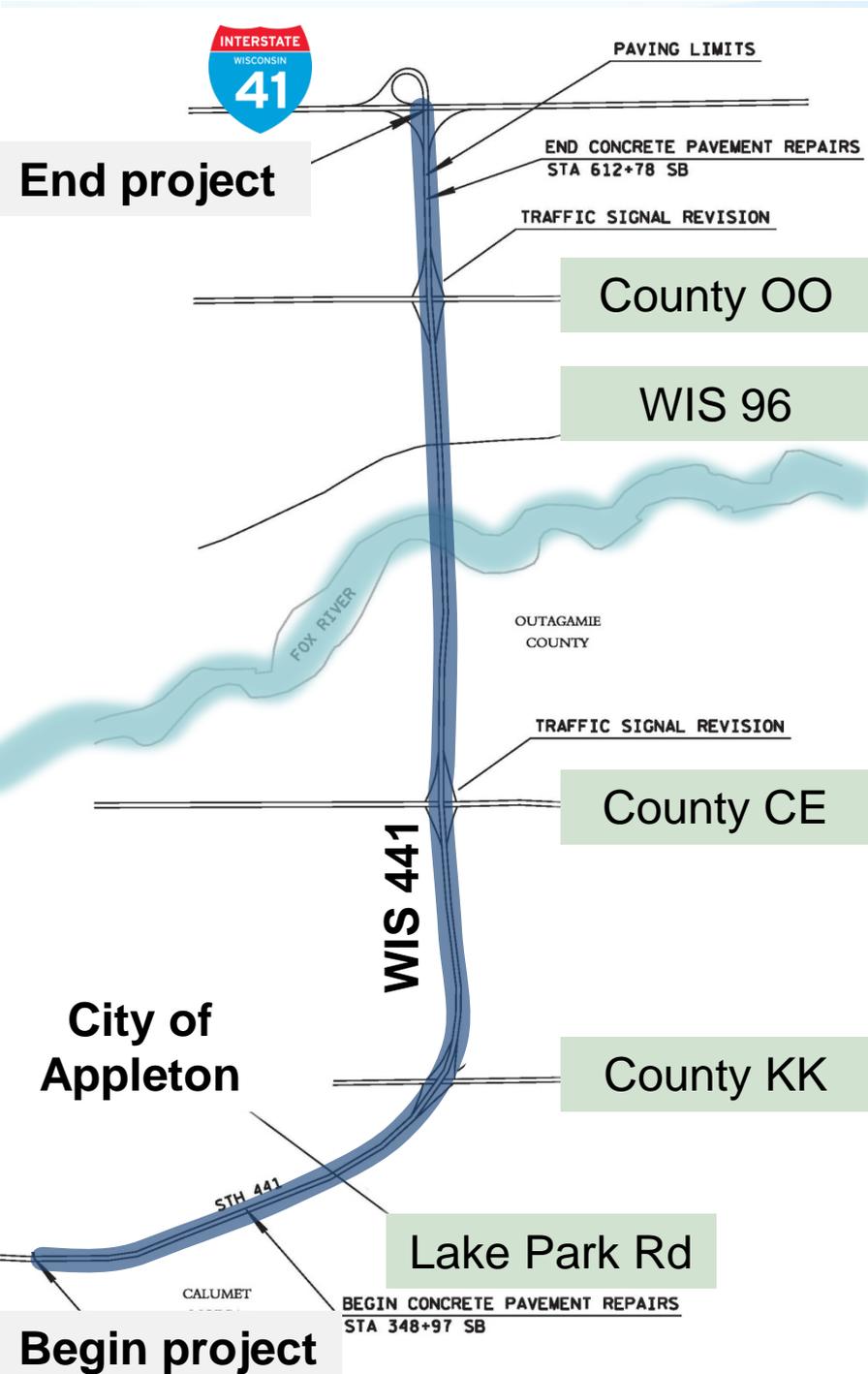
**SB Exit** closed mid-July to mid-September

**NB Entrance** closed mid-July to mid-September

**SB Entrance** closed mid-July to mid-August

County II





# WIS 441 Paving

- Construction work
  - Concrete pavement repair
  - County CE trail and sidewalk repair
  - Storm sewer
  - Traffic signals
- Schedule
  - April through August '16
- Traffic impacts
  - Primarily nighttime lane and ramp closures
  - Intermittent short-term closures

# Work Zone Safety

- Recognizing work zones
  - Flashing lights
  - Orange signs
  - Barrels and flags
- Driving
  - Slow down
  - Follow the law
  - Plan ahead
  - Put your cell phone away
  - Expect the unexpected
- Consequences

- Freeway Service Team
- Intelligent Transportation Systems (ITS)
- Emergency responder meetings



# Business Resources



## WIS 441 Tri-County Project

Tri-County Expansion

OVERVIEW

SCHEDULE

MAP

CLOSURES

NEWS RELEASES

### Business Resources

Construction projects bring about a whole new set of challenges for businesses — that's why we're offering help. This online kit will supply you with communications tools that will help you advertise your business and keep in touch with your customers and suppliers.

#### In This Together – Workbook

The WisDOT can work together with businesses to succeed during this highway construction project. Visit the [WisDOT website](#) for more resources.

#### WIS 441 Tri-County Expansion mini communications guide

A guide designed to help businesses both formulate and implement a plan to help them survive and thrive during construction on WIS 441.

#### WIS 441 Tri-County Expansion mini communications guide

Temporary Business Sign Application

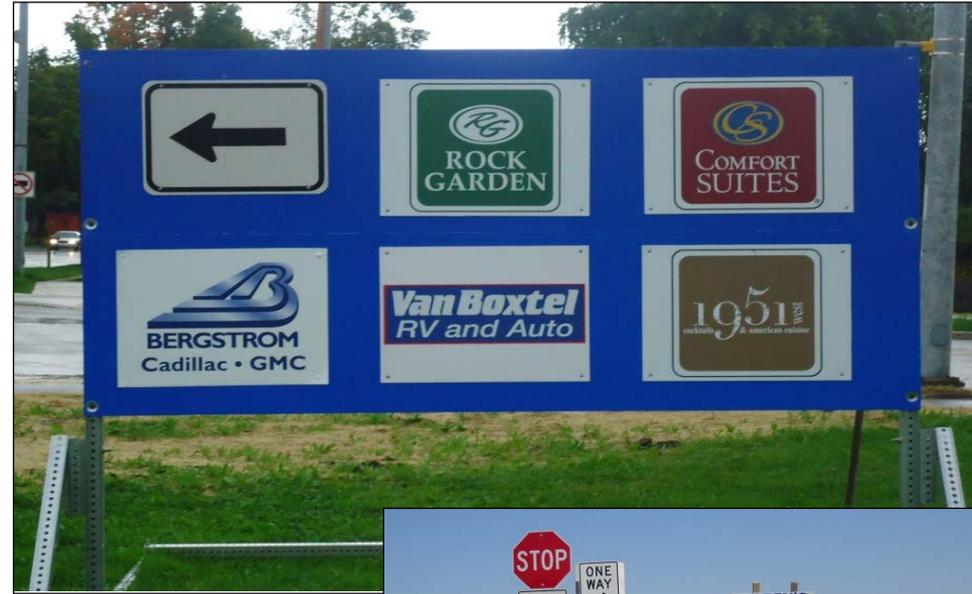
Application

<http://projects.511wi.gov/wis441/business-resources/>

- Partnership with businesses and provides tools to assist businesses:
  - Planning ahead and staying informed
  - Handling and reducing traffic
  - Keeping customers informed

# Business Resources - Signing

- Recommend that business signs be coordinated
- WisDOT construction staff will facilitate coordination with municipalities
  - Confirm acceptability of proposed sign location
- Businesses submit permits to either:
  - WisDOT - use the temporary business sign permit for state highways
  - Municipalities, Counties – other roadways, note individual sign support requirements vary by community



Less effective

# Construction Communication

- Traffic impacts
  - Nighttime lane closures
  - Ramp closures
- Changeable message boards
- News / media alerts
- Website



# Project Website

## WIS 441 Tri-County Project

Tri-County Expansion



[www.projects.511wi.gov/wis441/](http://www.projects.511wi.gov/wis441/)

OVERVIEW

SCHEDULE

MAP

CLOSURES

NEWS RELEASES

PHOTOS

RESOURCES ▾

CONTACT

## Overview

Welcome to the WIS 441 Tri-County Project construction website! The WIS 441 Project will reconstruct and expand approximately 6 miles of US 10 / WIS 441 from 4 lanes to 6 lanes between Cold Spring Road (County B) and Oneida Street (US 10) in Winnebago County and reconstruct five interchanges and the Roland Kampo Bridge.

Need daily road closures for the WIS 441 Project?

Follow us on social media!

[facebook](#)



FULL OVERVIEW



- Keeping public informed
  - Project web presence
  - Media outreach
  - Newsletters
  - Public meetings
  - Social media
- Feedback



# Project Office



- Field office
  - Permanent presence
  - Public / business involvement



**Questions?**