

# **US 41 Public Information Meeting WIS 21 – US 45 Segment**

**May 19, 2010**

# Presentation Topics

- US 41 Project Overview
- US 41/45 Interchange Schedule
- US 41/21 Interchange Schedule
- Roundabouts
- US 41 Schedule
- Question/Answer

# US 41 Project overview

- Largest construction project in the history of Northeast Wisconsin
  - Reconstruct 17 miles in Winnebago County
  - Add new lanes to freeway
  - Reconstruct/modify 7 interchanges in Winnebago County
  - Construct 16 roundabouts in Winnebago County

# US 41 Project overview

- 8 lanes across Lake Butte des Morts
- Reconstruct US 45 Interchange to provide free flow movements for US 41 northbound to US 45 northbound; free flow movement from US 45 southbound to US 41 southbound
- Reconstruct US 45 to go over US 41
- Reconstruct WIS 21 to go over US 41
- Construct WIS 21 with 4 multi-lane roundabouts
- Construct 12' wide trail on east side of US 41 from WIS 21 to Lake Butte des Mort Drive

# US 41/45 Interchange

Project 1120-11-83

- Bid Letting June 8, 2010
- Construction tentatively to begin in August 2010
- Night work from 9:00 pm to 5:00 on US 41
- Close US 41 northbound entrance ramp for 30 calendar days in 2010.

# US 41/45 Interchange

Project 1120-11-83

- US 41/45 Interchange to close to traffic  
April 4, 2011
- Posted detour for US 45 is US 41  
northbound to WIS 76 to US 10
- Open US 45 traffic by November 8, 2011

# US 41/45 Interchange

## Project 1120-11-83

- US 41 southbound traffic on new southbound pavement by August 10, 2011
- US 41 northbound traffic on new southbound pavement by September 16, 2011
- US 45 open and west ramps open by November 8, 2011
- New flyover ramp and northbound ramps opens June 29, 2012
- Complete all work on this project by September 7, 2012

# US 41/21 Interchange

Project 1120-11-75

- US 41/21 Interchange and Lake Butte des Morts work
- Scheduled to be let July 2011
- Construction to begin September 2011

# US 41/21 Interchange

## Project 1120-11-75

- Close northbound exit and entrance ramp for 21 calendar days after Labor Day in 2011 for constructing temporary roadway
- Interchange ramp access closes mid-March 2012
- Posted detour is US 41 to WIS 44 to WIS 91 to WIS 49 to WIS 21

# US 41/21 Interchange

## Project 1120-11-75

- Construction of the multi-lane roundabouts at WIS 21/Washburn and WIS 21/Koeller Street will begin in March and completed by July for local access.
- US 41/21 Interchange will open to all ramps by mid-November 2012.
- Complete US 41 reconstruction with Lake Butte des Morts Crossing complete by August 2013.

# Future Construction Plans

- US 41/45 Landscaping Plan completed in fall 2013
- Lake Butte des Morts Trail Enhancements completed in fall 2013

# Roundabouts vs. traffic signals

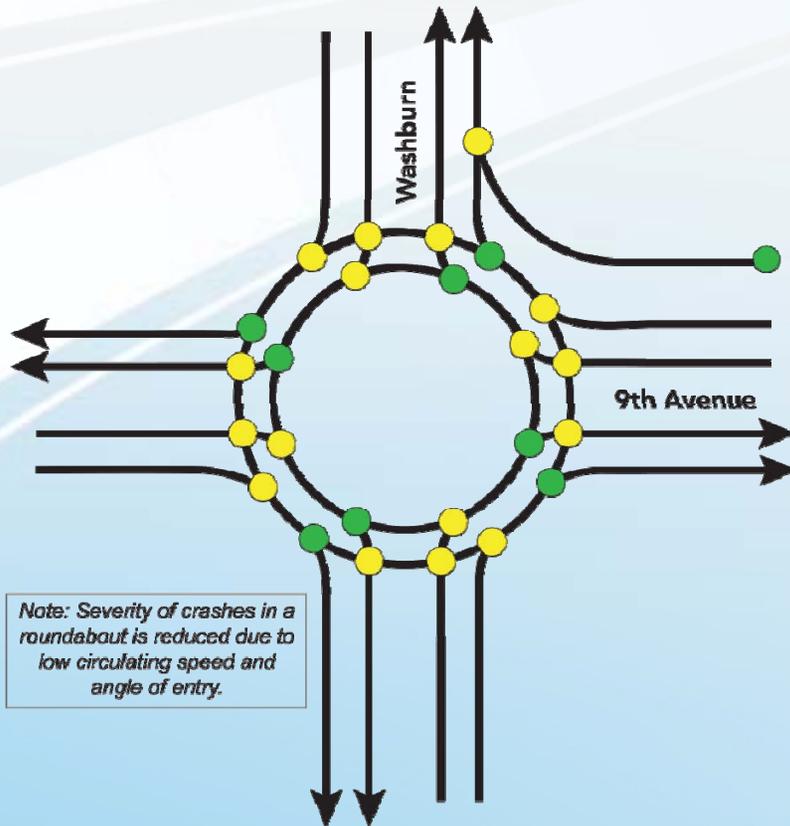


# Roundabouts vs. traffic signals

- Where roundabouts have replaced stop signs and/or traffic signals ...
  - Crashes decreased 39%
  - Injuries decreased 76%
  - Fatalities and/or incapacitating injuries decreased 90%

Source: Insurance Institute for Highway Safety ([www.iihs.org](http://www.iihs.org))

## Conflict Points: Roundabout 9th Avenue and South Washburn Street

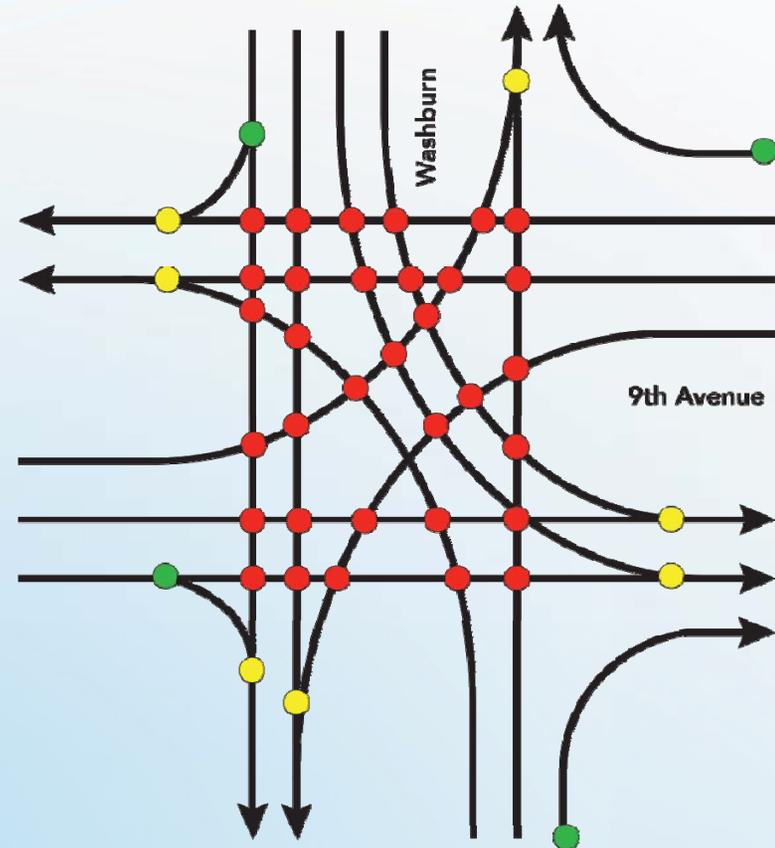


*Note: Severity of crashes in a roundabout is reduced due to low circulating speed and angle of entry.*

### Crash Types:

● Rear-end	9
● Angle/Side Swipe	17
● Severe Angle	0
<b>TOTAL</b>	<b>26</b>
Pedestrian Conflicts: 18	

## Conflict Points: Traffic Signals 9th Avenue and South Washburn Street



### Crash Types:

● Rear-end	4
● Angle/Side Swipe	7
● Severe Angle	34
<b>TOTAL</b>	<b>45</b>
Pedestrian Conflicts: 28	

# Roundabouts vs. traffic signals

	Traffic signal	Roundabout
<b>Capacity</b>	↓	↑
<b>Level of service</b>	↓	↑
<b>Traffic speed</b>	Not affected by geometrics	Restrained to 18-30 mph by geometrics
<b>Operational benefits</b>	More delay	Less delay

↑ – higher    ↓ – lower

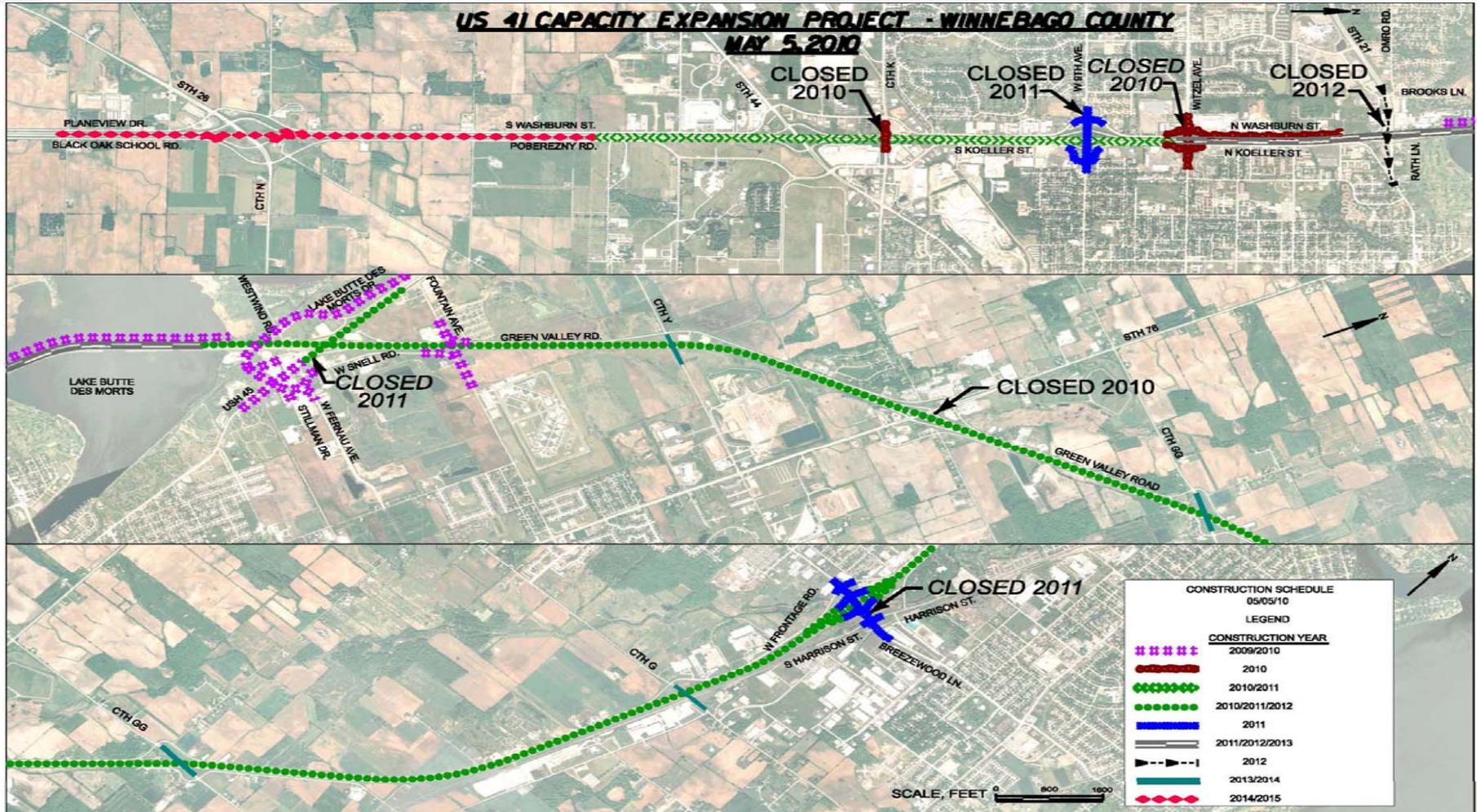
# US 41 corridor roundabout plan: engineering, education and enforcement

- Coordination with:
  - Community officials
  - Businesses
  - Affected property owners
  - Public transportation providers
  - Commercial trucking industry
  - Bike and pedestrian stakeholders
- Enforcement of existing traffic laws (yield to pedestrians)
- Appropriately engineered design
- Quality construction
- EDUCATION and OUTREACH

# US 41 Traffic management

- Traffic management (2010-2016)
  - Maintain two-lanes NB and SB during construction
  - Night time lane closures on US 41 to do work
  - Interchange closures during construction
  - Ongoing coordination with public
- Traffic management implementation (2010-2016)
  - Media outreach, communication and project Web site
  - Public information meetings
  - Ongoing coordination and public involvement

# Construction Schedule



# Witzel Avenue Rendering



Proposed Witzel Avenue Overpass (looking southeast)



# Questions/Answers

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