



# CONNECTING WISCONSIN

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

**July 13, 2011**

# Presentation Topics

- US 41 Project Overview
- US 41 Lake Butte des Morts Crossing Details
- US 41/WIS 21 Interchange Schedule
- Roundabouts
- Temporary Business Signing
- Question/Answer

# US 41 Project overview

- Largest construction project in the history of Northeast Wisconsin
  - Reconstruct 17 miles in Winnebago County
  - Providing Intelligent Transportation Systems (ITS) with the project.
  - Providing freeway lighting at key areas to improve safety

# US 41 Lake Butte des Morts Crossing

- Replacing 6 existing bridges with 6 new bridges
- New bridges will have aesthetic features
- US 41 will have 8 lanes between WIS 21 and US 45 Interchanges... 4 in each direction
- Constructing virtual weigh-in-motion facility on US 41
- Construction 12' wide multi-modal path with fishing access from Koeller Street on south side to connect to WIOUWASH trail on north side

# US 41 Lake Butte des Morts Crossing



# US 41/ WIS 21 Interchange 2011 Work

- US 41 Northbound exit ramp and entrance ramp close for 21 days after Labor Day (Southbound ramps and WIS 21 east/west remain open)
- US 41 Southbound structure in Lake Butte des Morts begin construction
- Some grading work on fill areas on WIS 21 (Traffic remains open)



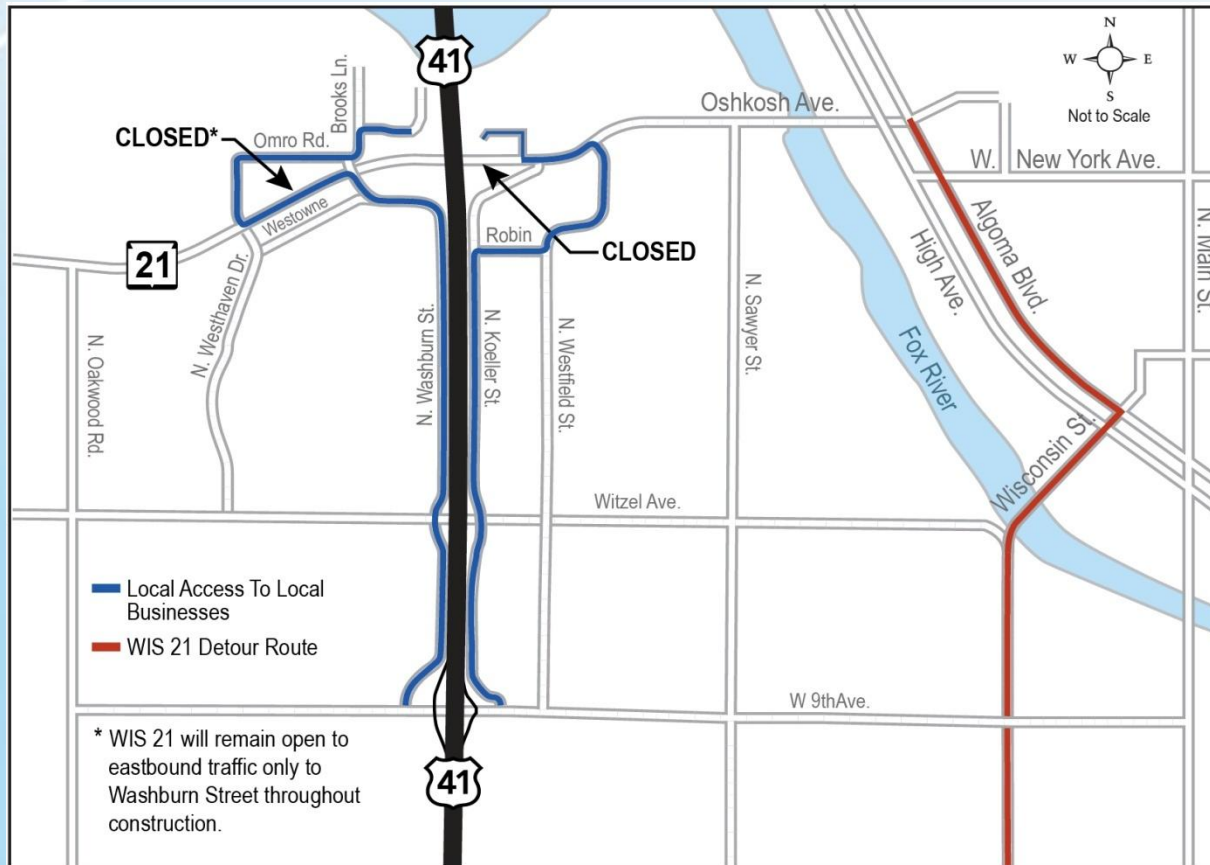
# US 41/WIS 21 Interchange 2012 Work

- Interchange closes March 19, 2012
- Detour: WIS 21 to WIS 49 in Berlin to WIS 91 to WIS 44 to US 41
- Local access provided eastbound WIS 21 to Washburn Street; westbound WIS 21 to Rath Lane



# US 41/WIS 21 Interchange 2012 Work

## Local Access Map



# US 41/WIS 21 Interchange 2012 Work

- Roundabouts at WIS 21/Washburn and WIS 21/Koeller completion June 18, 2012
- US 41 traffic is routed in on east side temporary bypass ( similar to US 41/45 Interchange currently)
- Interchange opens November 15, 2012
- Incentive/Disincentive in contract for \$50,000/day up to \$500,000 for 10 days early completion

# Roundabouts vs. traffic signals

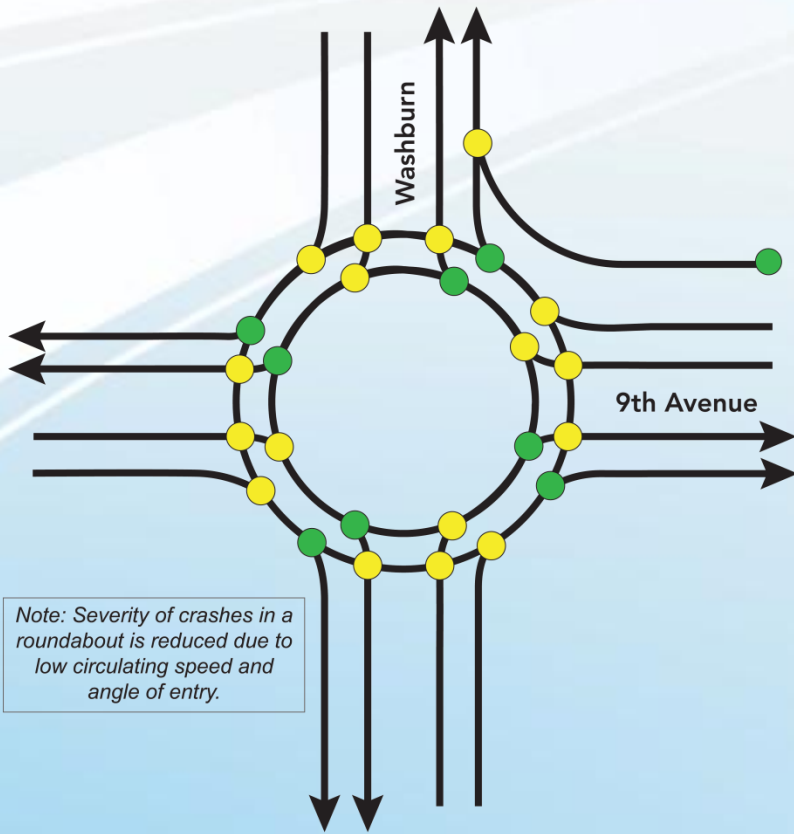


# Roundabouts vs. traffic signals

- 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

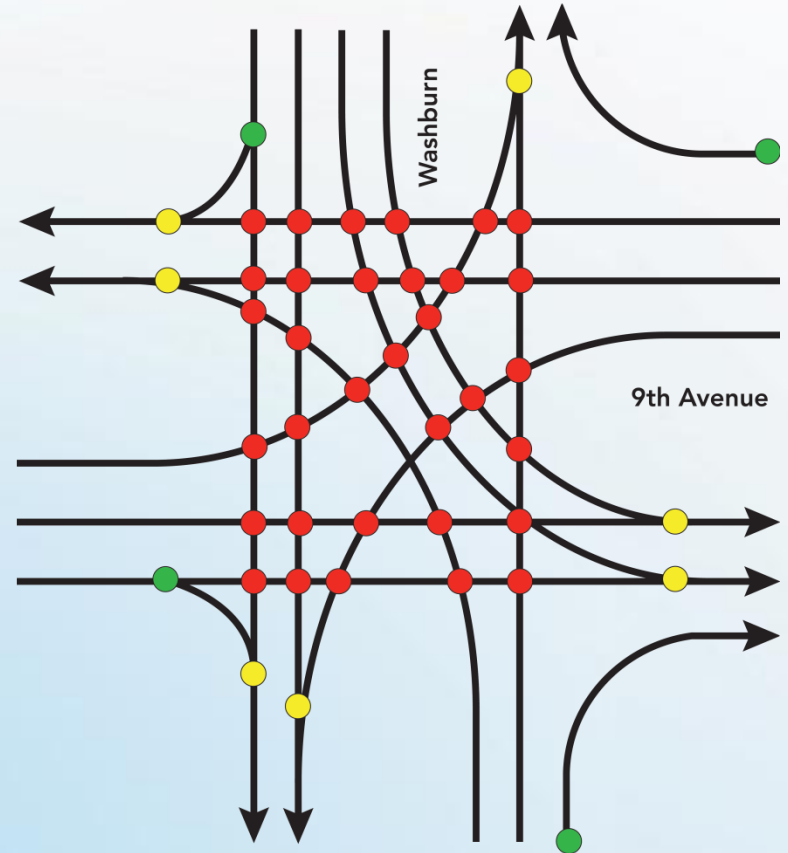


*Note: Severity of crashes in a roundabout is reduced due to low circulating speed and angle of entry.*

### 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 implementation (2011-2013)
  - Maintain two-lanes NB and SB during construction
  - 55 mph speed limit
  - State Patrol law enforcement
  - Ongoing coordination with public
  - Freeway service team
  - ITS
  - Media outreach, communication and project Web site

# Temporary Business Signing

- No signing allowed on freeway or ramps
- Fill out temporary signing permit
- Please try to coordinate together with signing

# Questions/Answers

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