



Milwaukee County Board

Transportation, Public Works, and Transit Committee

October 23rd, 2013

Roberto Gutierrez, P.E.- WisDOT

Ryan Luck, P.E. - WisDOT

Claudia Peterson - WisDOT



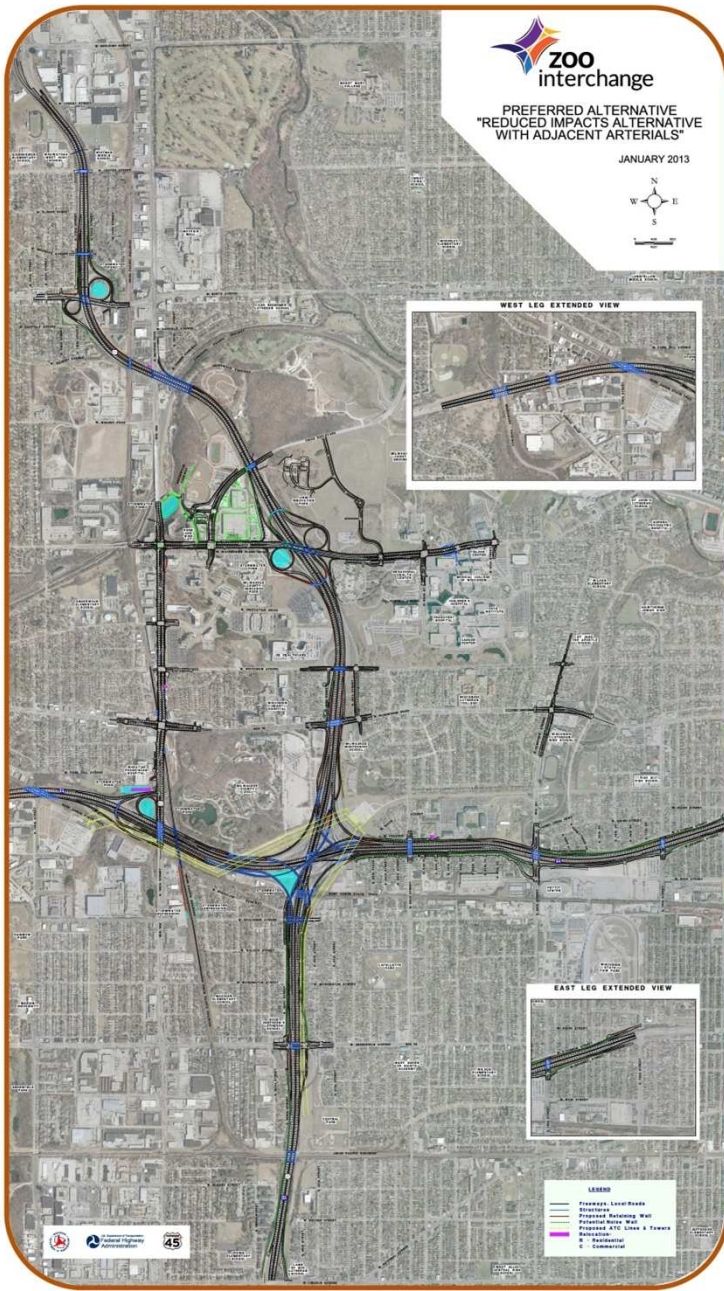
Today's presentation

- Overview of Zoo IC project
- Current work
- Work starting this fall
- Work starting next fall
- Wrap-up and Q&A

Project Overview



- Junction of I-94, I-894 and US 45; ~350,000 vehicles/day
- 9 miles of freeway
- 66+ structures
- \$1.7 billion project
- Major Construction 2013 - 2018



What is included

- Six service interchanges
 - North Avenue
 - Watertown Plank Road
 - Bluemound Road
 - 84th Street
 - WIS 100
 - Greenfield Avenue
- Major arterial roadways
 - WIS 100
 - Watertown Plank Road
 - Glenview Avenue

Why rebuild the Zoo Interchange

- **Safety** – averages nearly three crashes per day
- **Infrastructure and design** – aging infrastructure and outdated design
- **Congestion** – busiest interchange in state



Core - existing



New Interchange



A 3D view of the planned Zoo Interchange core – looking northeast

Construction Staging Through 2018



- 2013 – 2014: build key arterials first – *The Box*
- 2013 – 2015: build local road bridges to lengthen spans over freeway
- 2015 – 2018: bulk of the freeway/ core interchange work

“The Box”



- Local roads surrounding the Core
- Build in 2013 & 2014
- To keep local traffic flowing during major freeway construction

Significant challenges

- Core of the interchange – long term closures
- Mainline - keeping traffic moving and the communities open for business
- Railroad bridges – avoiding detours of rail traffic, impacts to freeway operations during construction
- Keep local street system operating

Construction goals

- On time
- On budget
- Build it with the community
- Keep routes open for business
- Build it safely

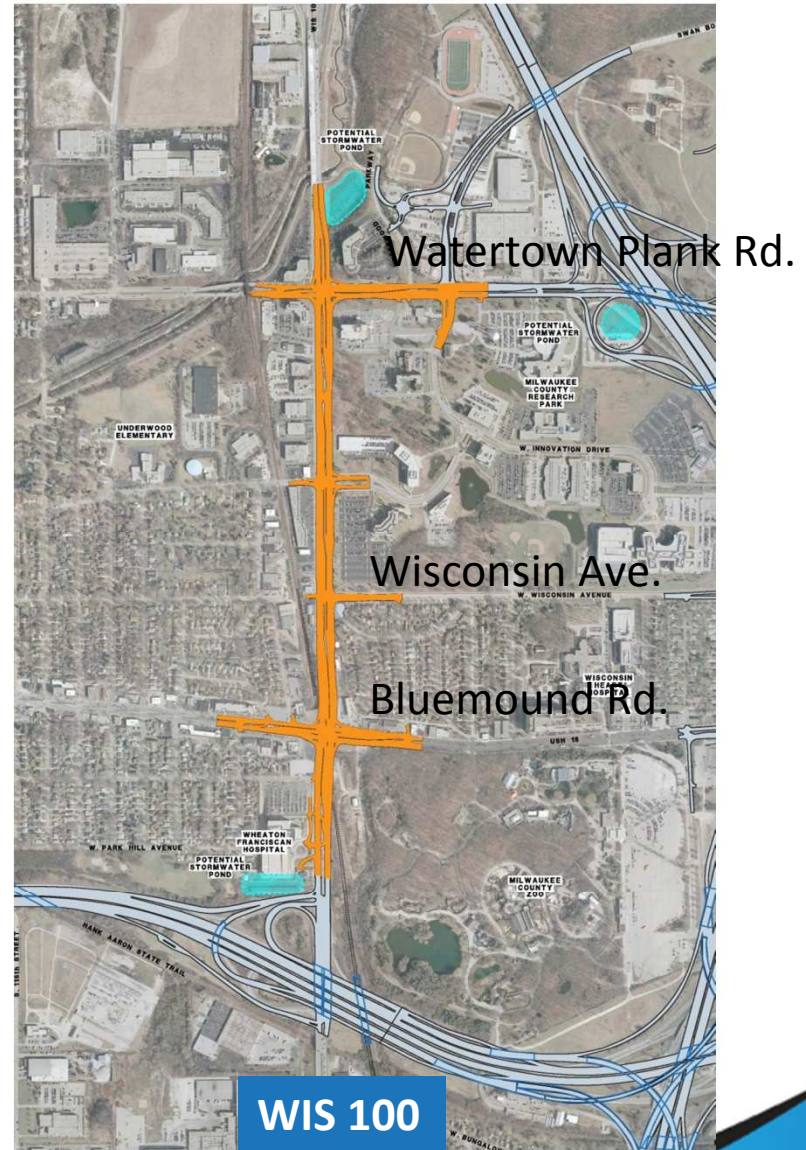


Today's presentation

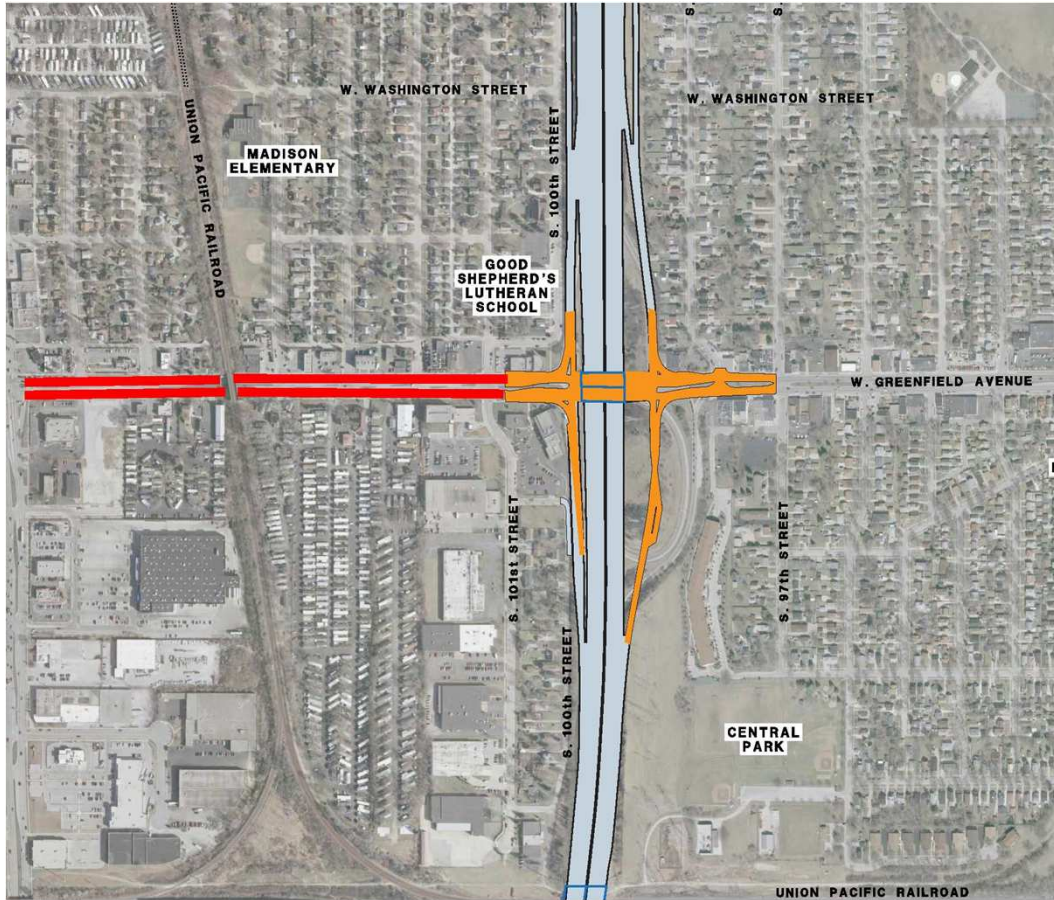
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WIS 100 (Mayfair Road)

- Additional lane in each direction from I-94 through Watertown Plank Road
- Additional, longer turning lanes
- New signal at Wisconsin Avenue
- Lengthen railroad tunnel underneath Bluemound intersection
- **Work to be completed this year**



WIS 59 (Greenfield Avenue)



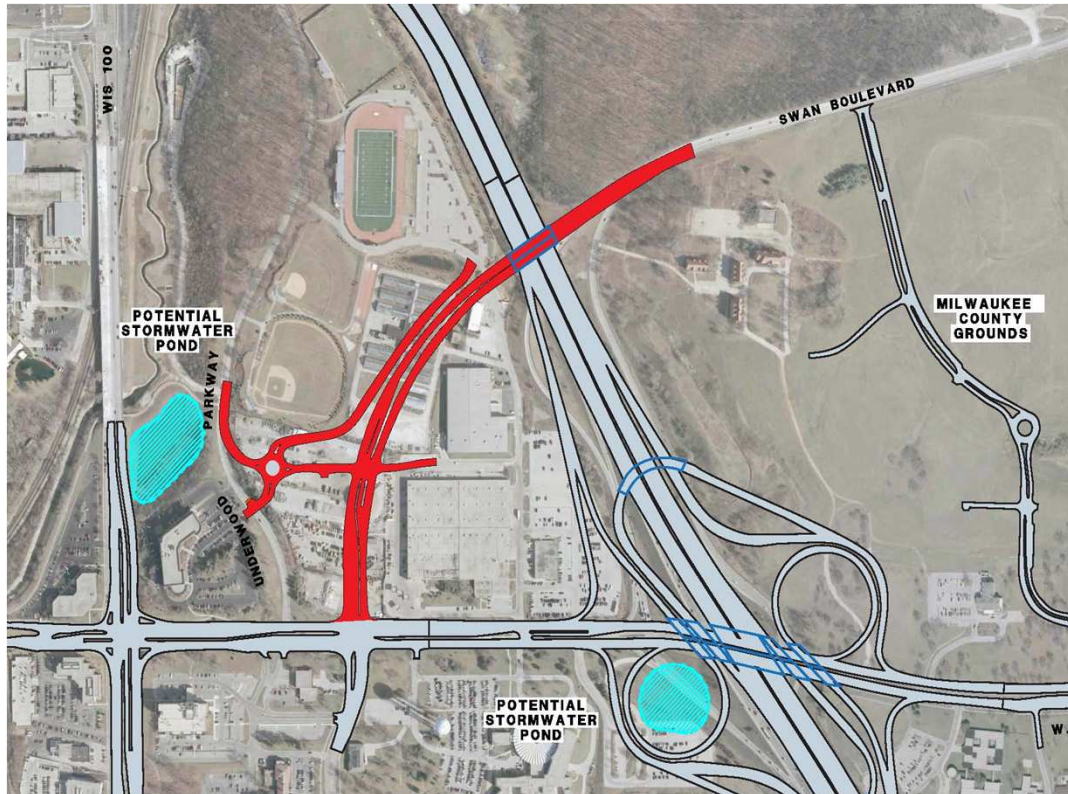
- Reconstruct from 106th Street to 97th Street including the bridge over I-894
- Wider bridge with two left turn lanes at each freeway entrance ramp
- **Work completed**

Glenview Avenue



- Reconstruct from Bluemound to Wisconsin; add and lengthen turn lanes
- **Work completed**

Swan Boulevard



- New Swan Blvd. meets up with Innovation Drive signal
- **Work to be completed this year**
- Swan/Discovery to be a detour during Watertown Plank construction in 2014

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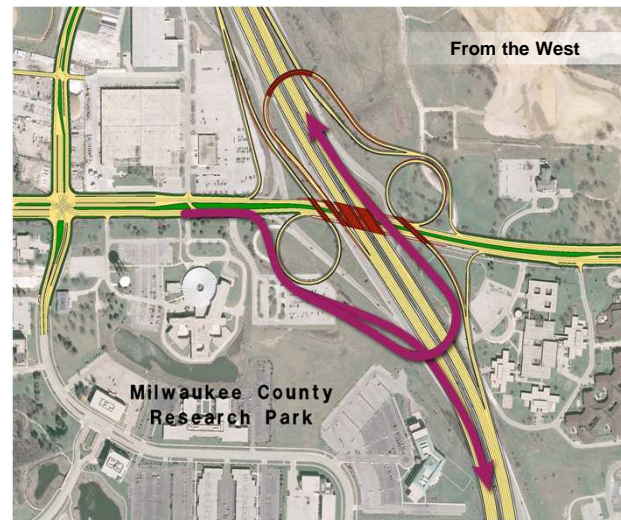
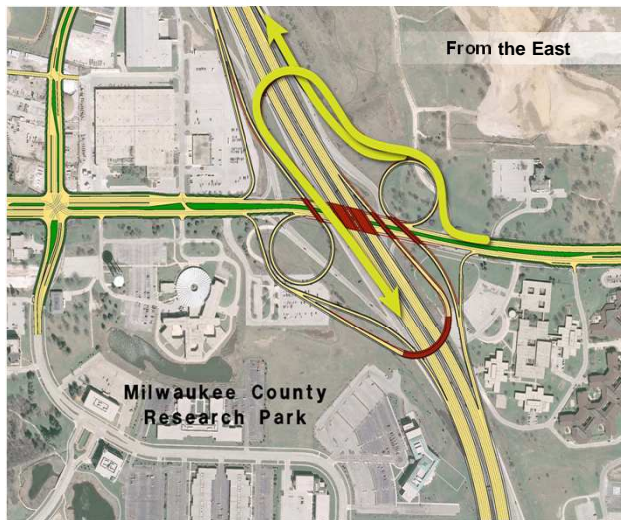
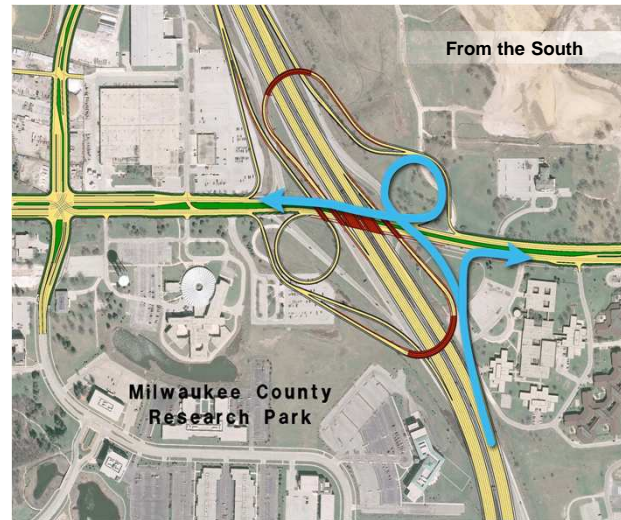
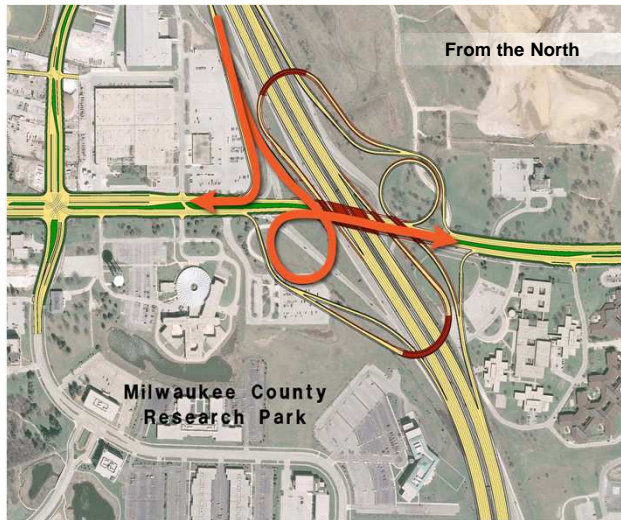
Starting This Fall



not to scale



Watertown Plank Road



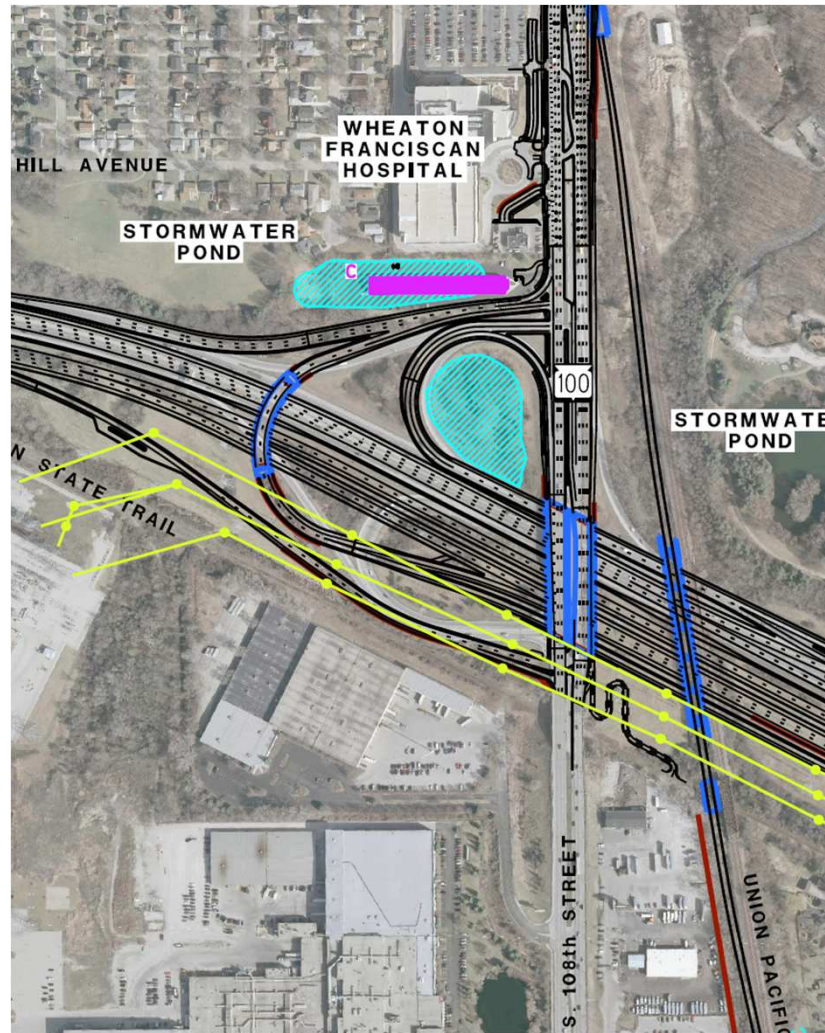
Watertown Plank Road Construction Staging



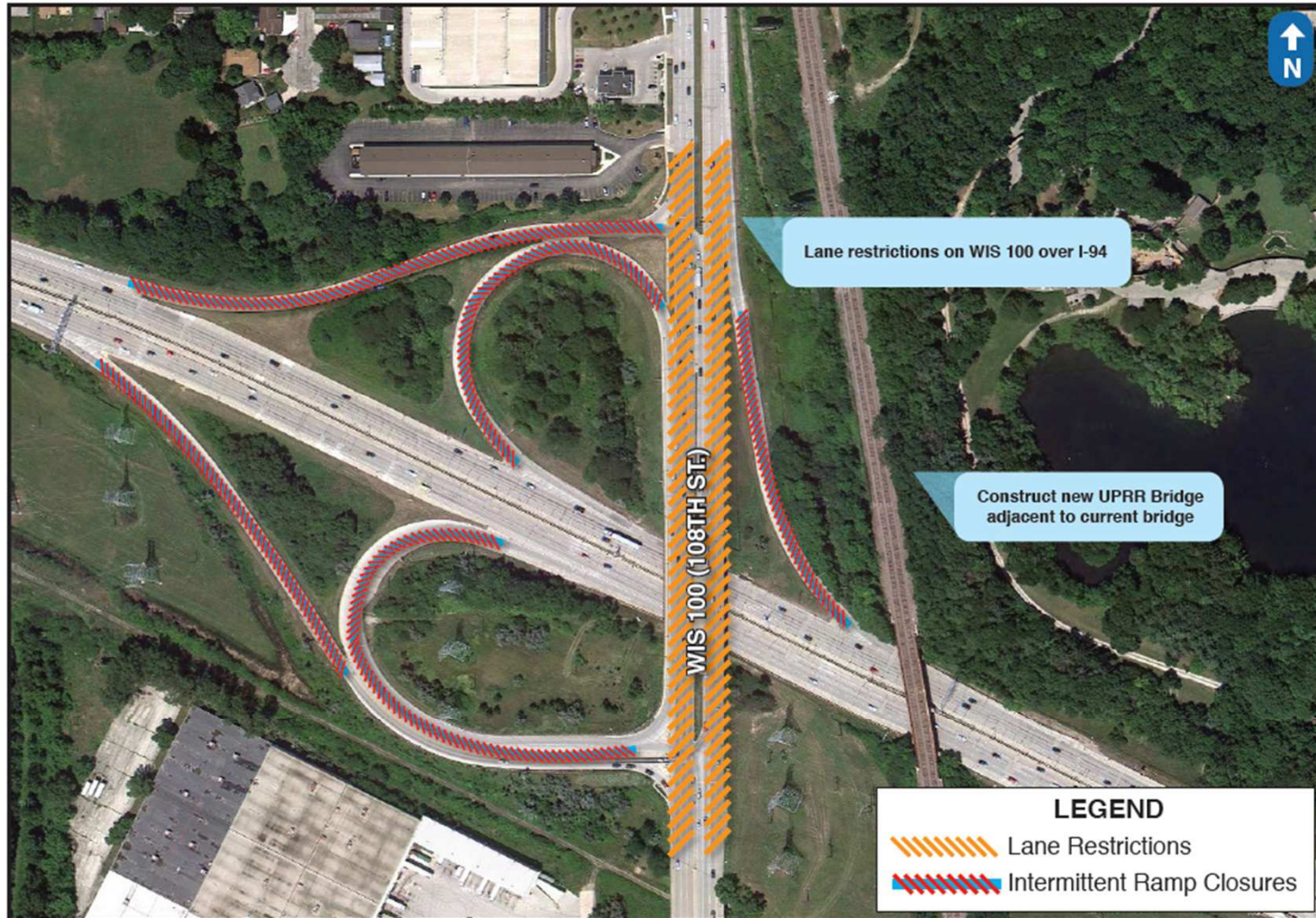
Watertown Plank Road Available Routes



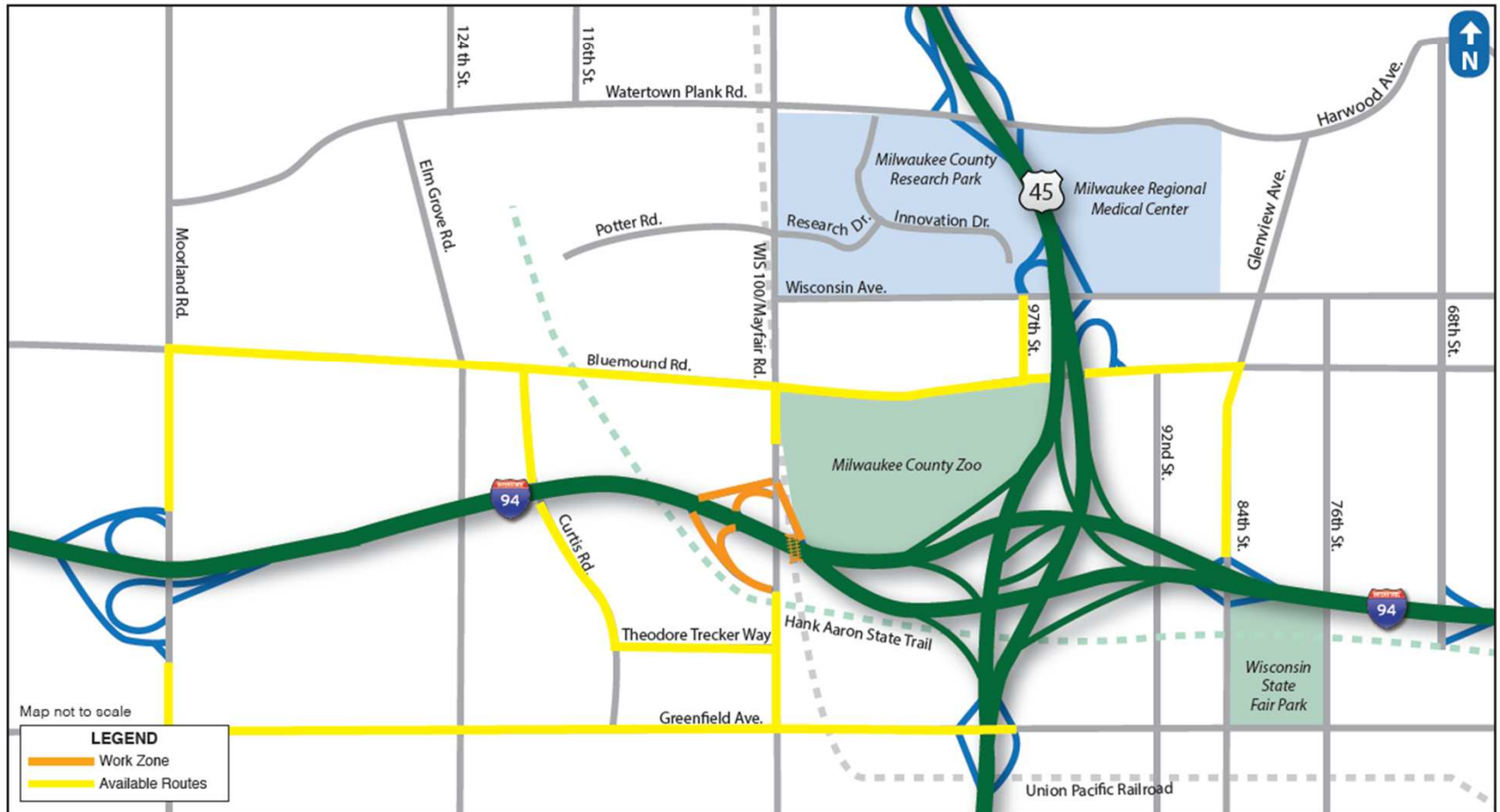
WIS 100 & UPRR Bridges



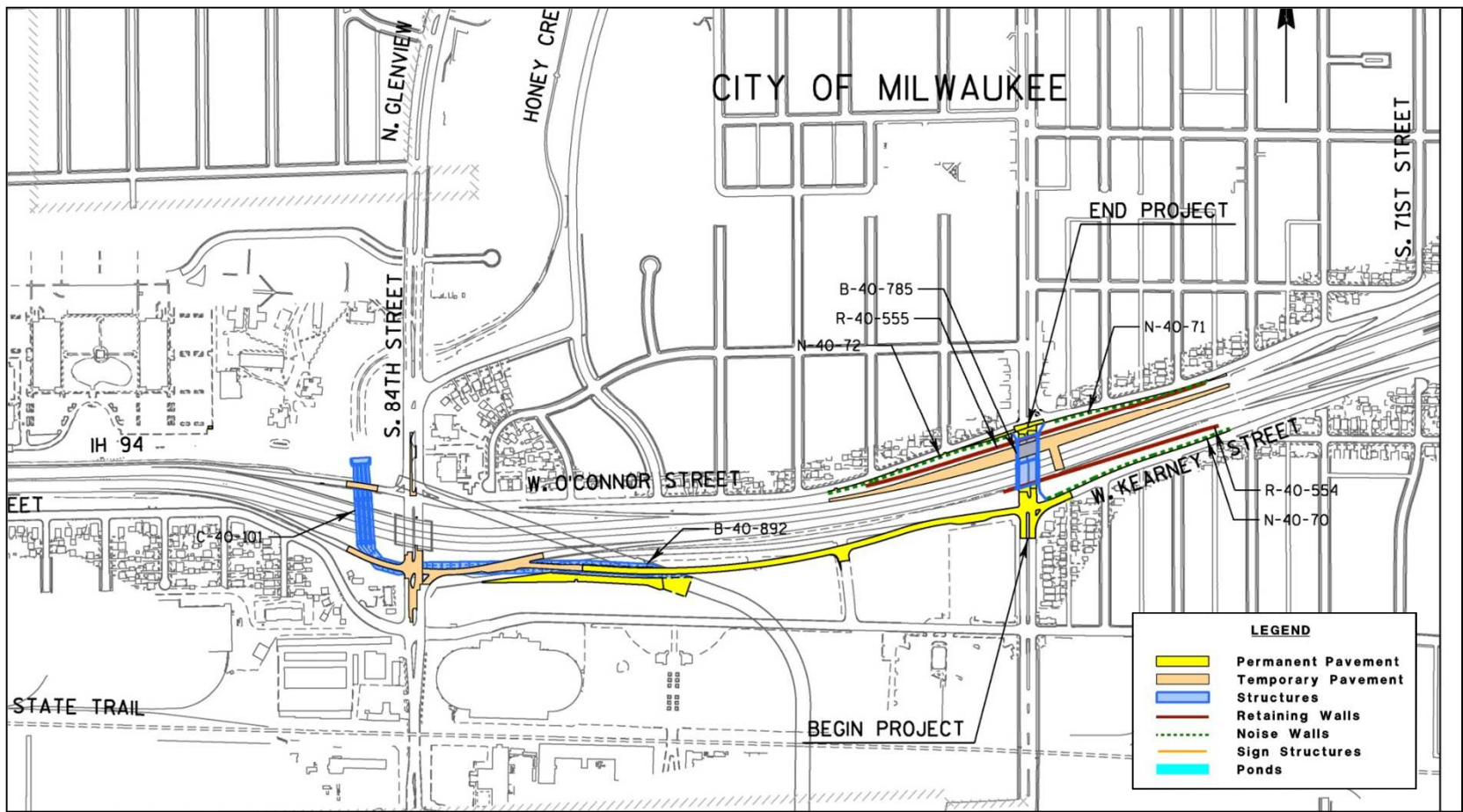
WIS 100 & UPRR Bridges Construction Staging



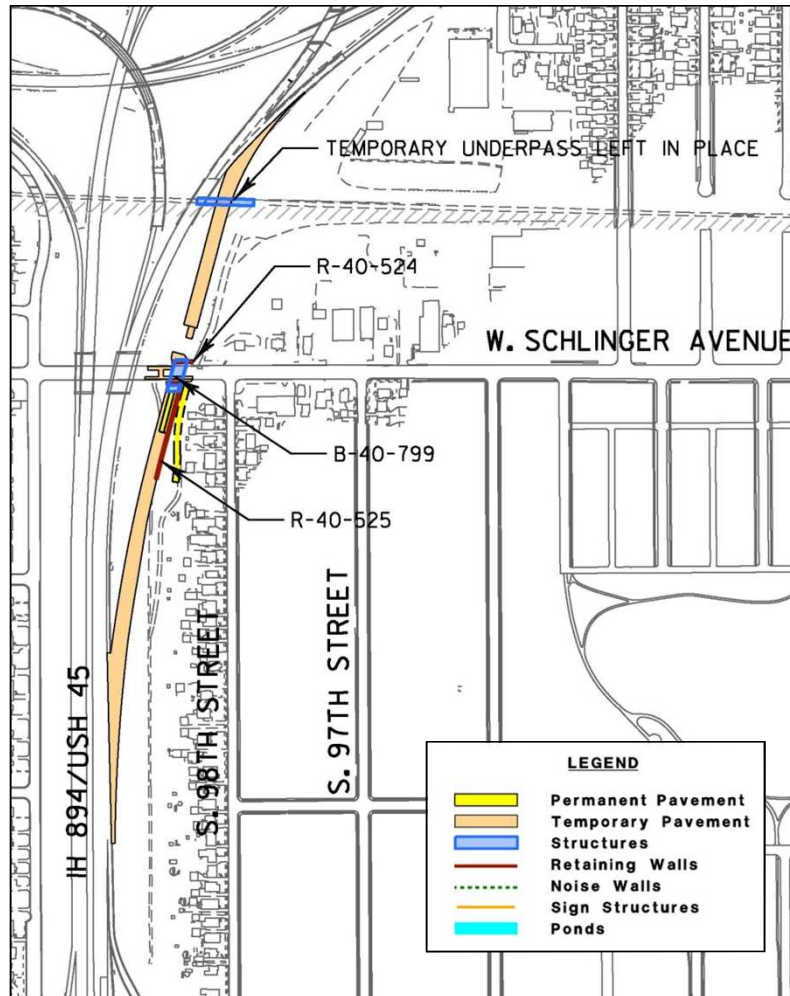
WIS 100 & UPRR Bridges Available Routes



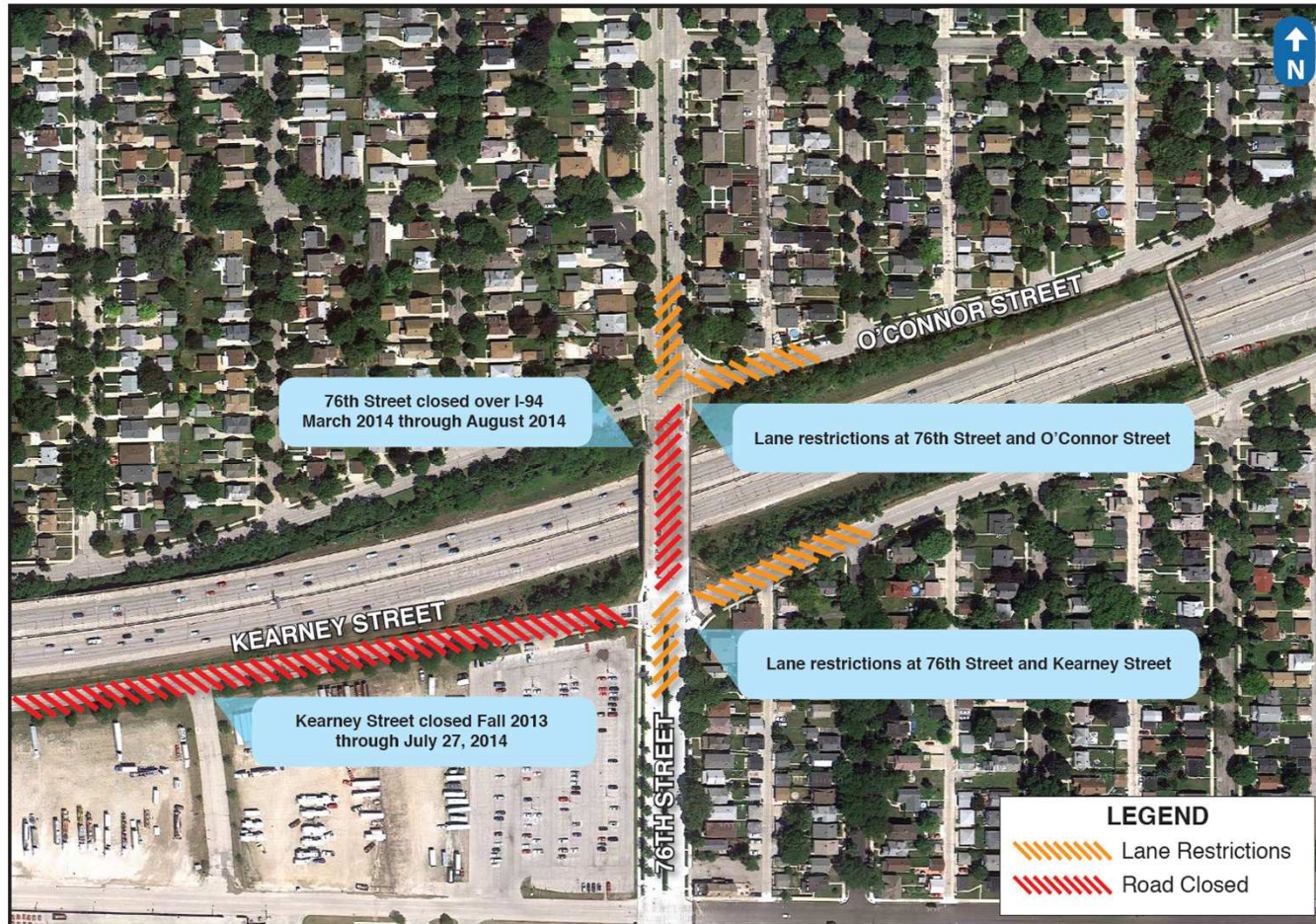
76th Street Bridge Honey Creek Box Culvert



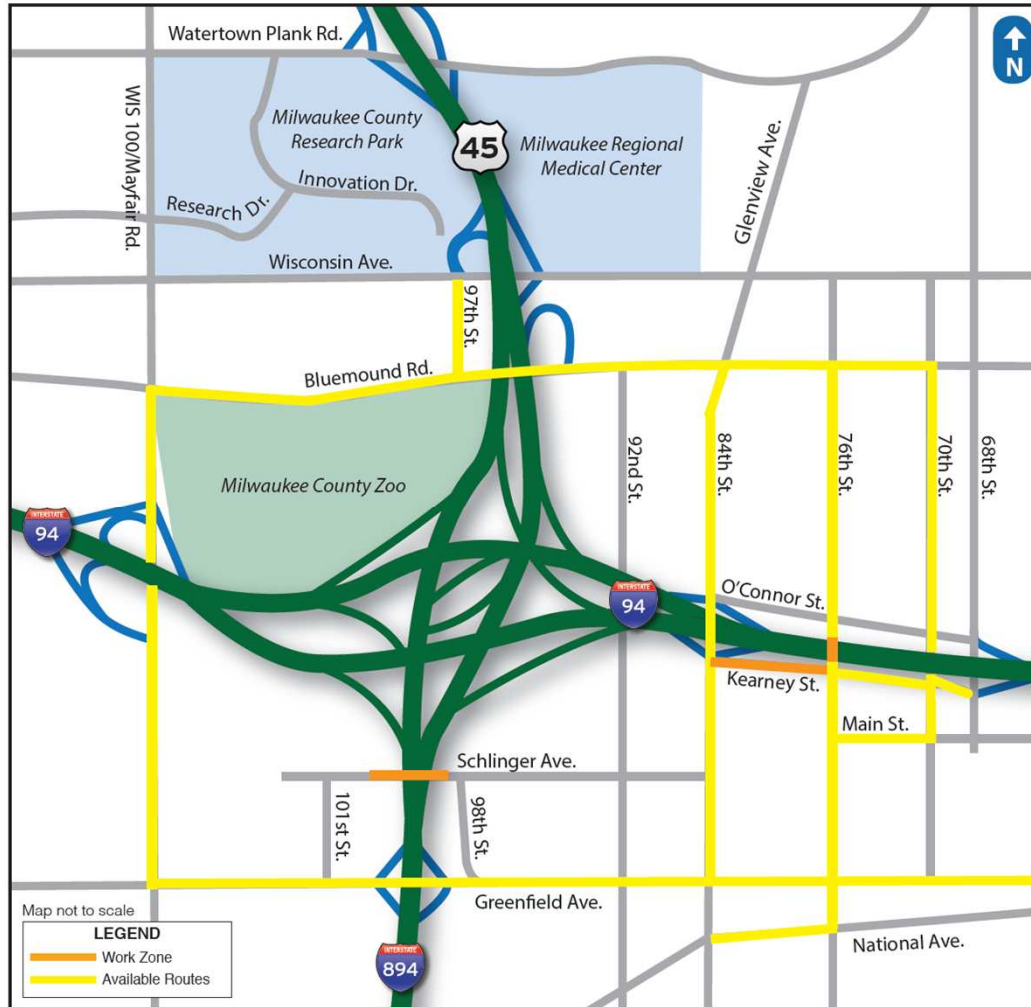
76th Street Bridge Honey Creek Box Culvert



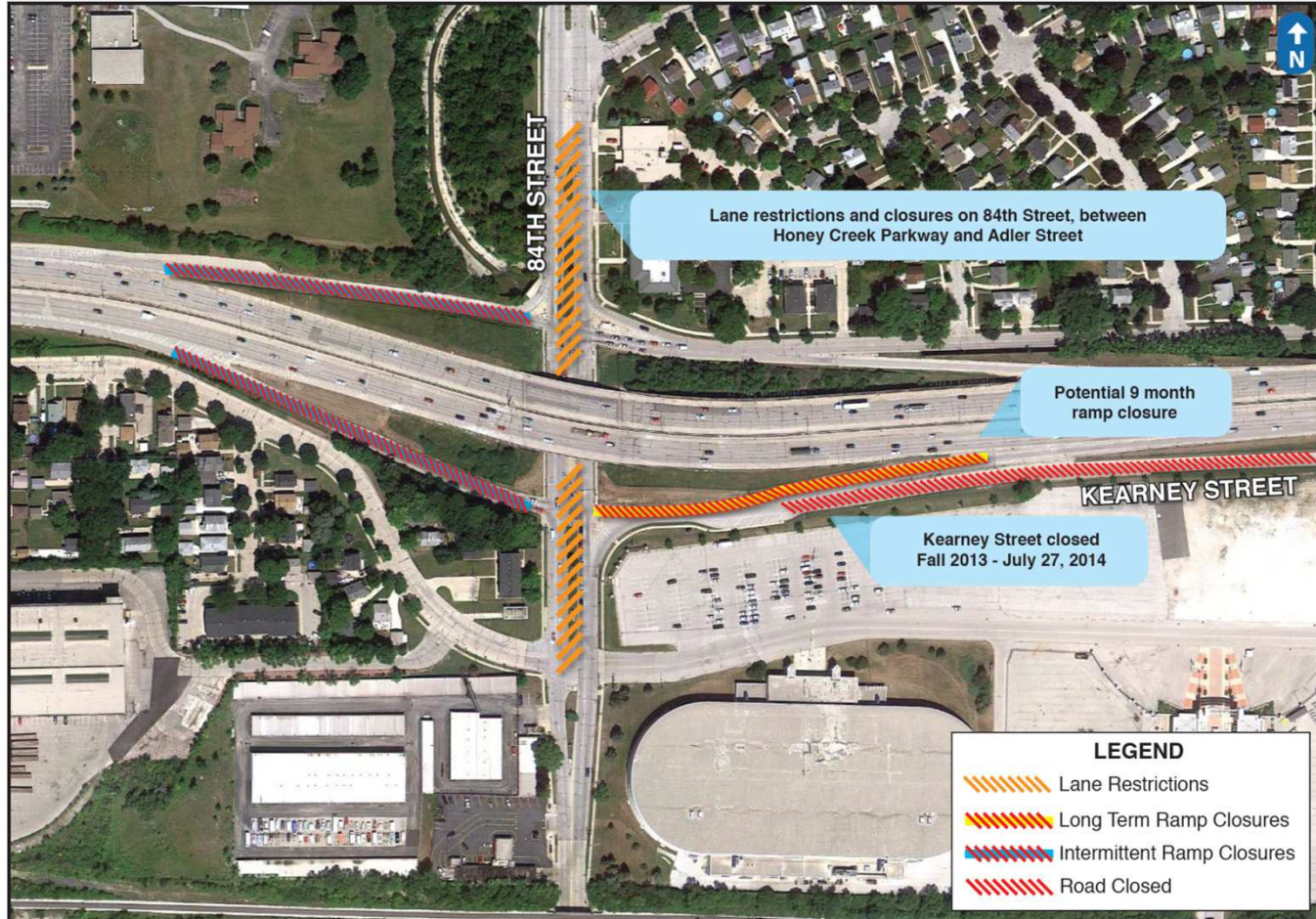
76th Street Bridge Staging and Available Routes



76th Street Bridge Staging and Available Routes



Honey Creek Box Culvert Staging and Available Routes



Honey Creek Box Culvert Staging and Available Routes



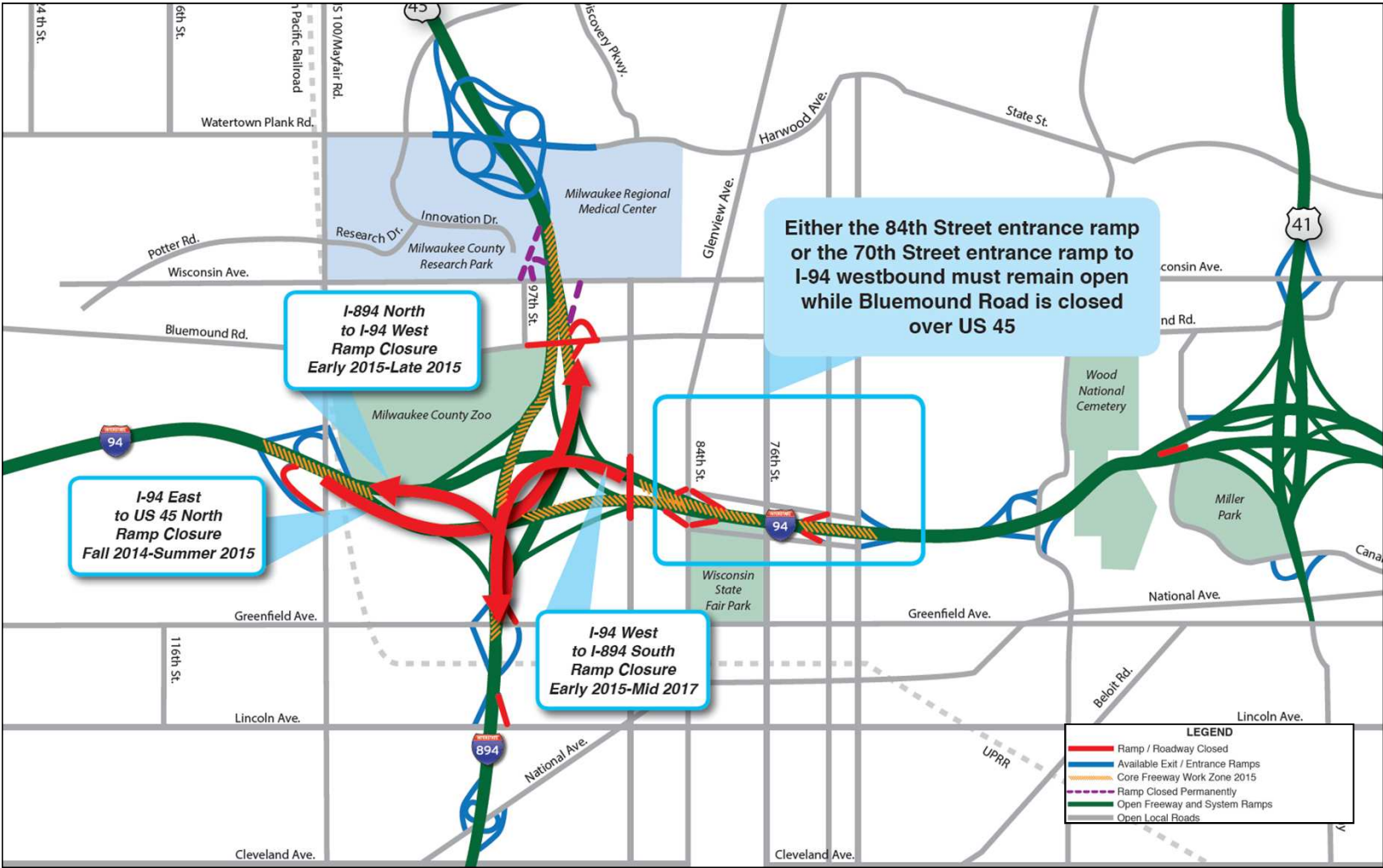
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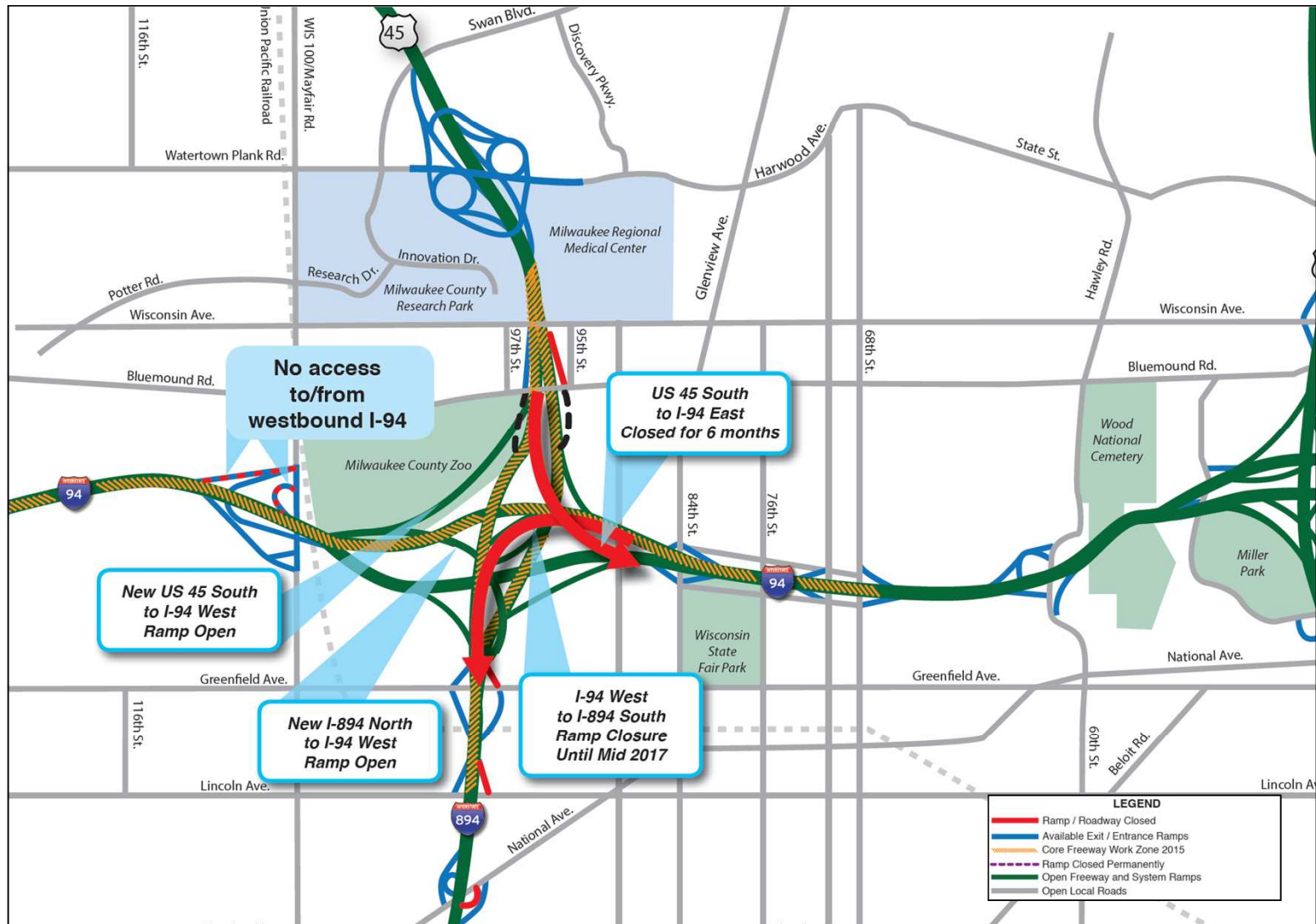
Starting Fall 2015



System ramp closures 2015



System ramp closures 2016 – 2017



Budget and financing

- State and federal dollars
- Key component of southeast freeway system
- \$486 million in the current biennium budget for the Zoo Interchange
- Continuation dependent on future state budgets



U.S. Department of Transportation
Federal Highway Administration

Public Information Tools

- Project Newsletter
- Hard print specific to neighborhoods/businesses
- Construction get around guides
- www.zoointerchange.wi.gov
- One-on-one meetings
- E-mail blasts
- Media
- Social media
- In this together business outreach



The image shows the cover of the Zoo Interchange Newsletter, dated Fall 2012. The top left features the Zoo Interchange logo, a stylized starburst in purple, blue, and orange. The title "ZOO interchange Newsletter" is prominently displayed. The main headline is "DESIGN and CONSTRUCTION NEWS" in large, bold letters. Below this, the sub-headline reads "Zoo freeway and local roads impacted". The text describes the Wisconsin Department of Transportation's (WisDOT) reconstruction of the Zoo Interchange, detailing the project boundaries and the specific interchanges and roads involved. A map on the right side of the page shows the project location in Madison, Wisconsin, with various roads and landmarks labeled. At the bottom, a "PROJECT SCHEDULE" diagram illustrates the timeline from 2012 to 2014, showing the progression of construction phases and traffic management improvements. The website address www.zoointerchange.wi.gov is provided at the bottom right, along with logos for the Wisconsin Department of Transportation and the University of Wisconsin System.

ZOO interchange Newsletter

FALL 2012

DESIGN and CONSTRUCTION NEWS

Zoo freeway and local roads impacted

The Wisconsin Department of Transportation (WisDOT) is beginning the reconstruction of the Zoo Interchange. The boundaries of the Zoo interchange reconstruction are Burleigh Street on the north; 70th Street to the east; Lincoln Avenue to the south; and 124th Street to the west.

In addition to the core of the interchange where US 45, I-894 and I-94 meet, the reconstruction project includes interchanges at Greenfield Avenue, Bluemound Road/Wisconsin Avenue, Watertown Plank Road, WIS 100, North Avenue, 84th Street, and reconnecting to Lincoln Avenue and 70th Street.

The reconstruction plan will improve safety and efficiency on adjacent roadways on WIS 100 (Mayfair Road), Bluemound Road, Watertown Plank Road and Glenview Avenue/84th Street.

Work on off-freeway roads will accommodate traffic during the reconstruction of the freeway system and improve operations on heavily traveled roads.



PROJECT SCHEDULE

2012: Wisconsin Ave temporary ramp

2013: Traffic management improvements

2014: Watertown Plank Rd interchange and roadway

Key locations: Greenfield Ave (57th St to 106th St), Glenview Ave, WIS 100 (I-94 to Watertown Plank Rd), Swan Blvd

www.zoointerchange.wi.gov

How to stay up to date

- Web: www.zoointerchange.wi.gov
- 511: www.511wi.gov
- Facebook: Wisconsin Zoo Interchange Project
- Twitter : <https://twitter.com/WIZooIC>
- Email: zooicteam@gmail.com
 - Roberto Gutierrez, Zoo Design Chief
 - roberto.gutierrez@dot.wi.gov
 - Ryan Luck, Zoo Construction Chief
 - ryan.luck@dot.wi.gov
 - Emlynn Grisar, WisDOT Communications Manager
 - emlynn.grisar@dot.wi.gov



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Questions?





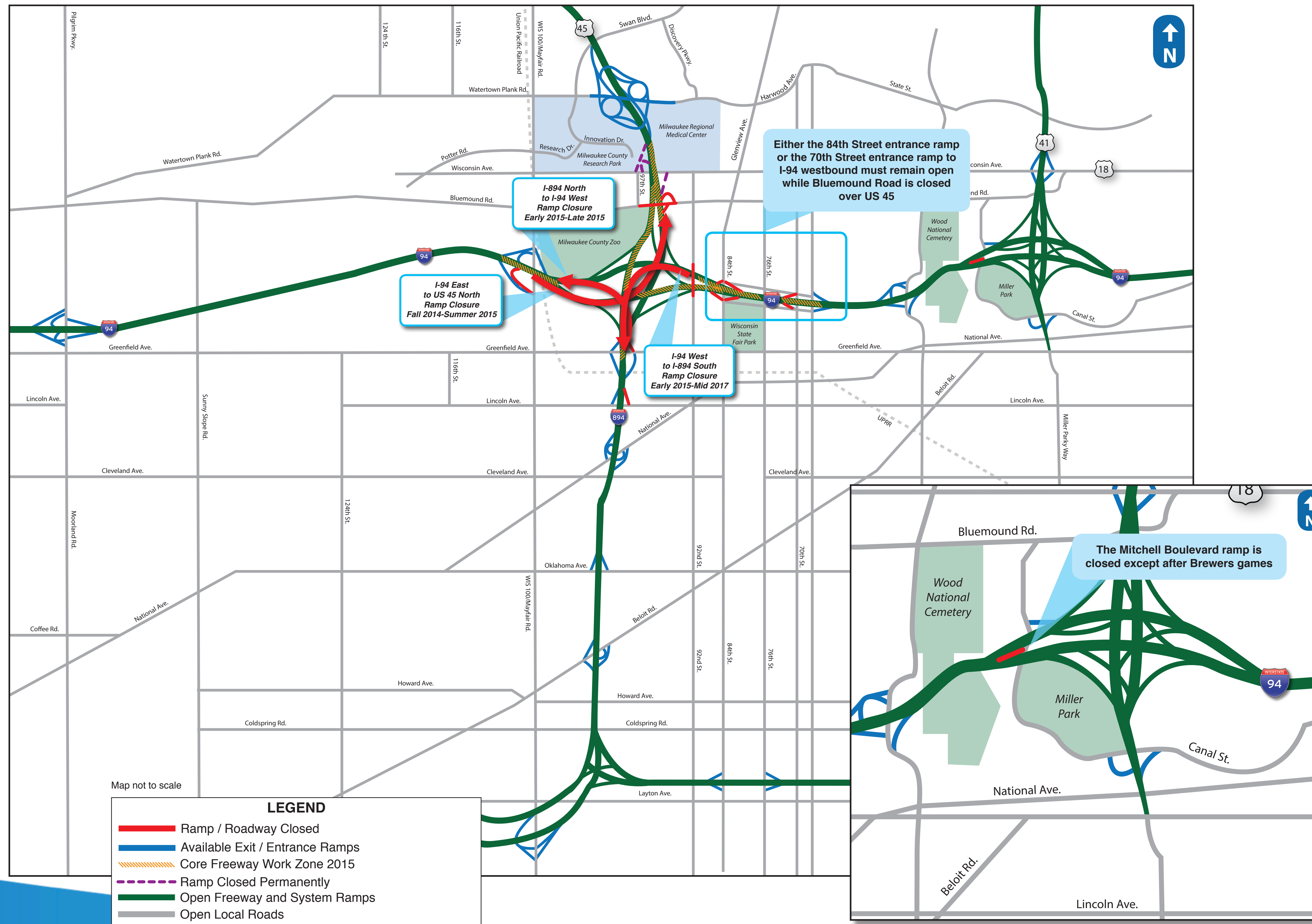
09.20.13



U.S. Department of Transportation
Federal Highway Administration



Anticipated Ramp Closures* Late 2014 - Late 2015




*Not all ramps to be closed for the entire year

CONSTRUCTION FORECAST FOR 2014



Watertown Plank Road
Fall 2013 – Late 2014
 The Watertown Plank Road Interchange will be reconstructed. Work will include the full closure of Watertown Plank Road under US 45, all entrance and exit ramps, and the park and ride lot.

Motorists should slow down, stay alert and use caution while driving through work zones.

To avoid delays, plan ahead or take an alternative route. Buckle up safety belts, and remember that fines double in work zones.

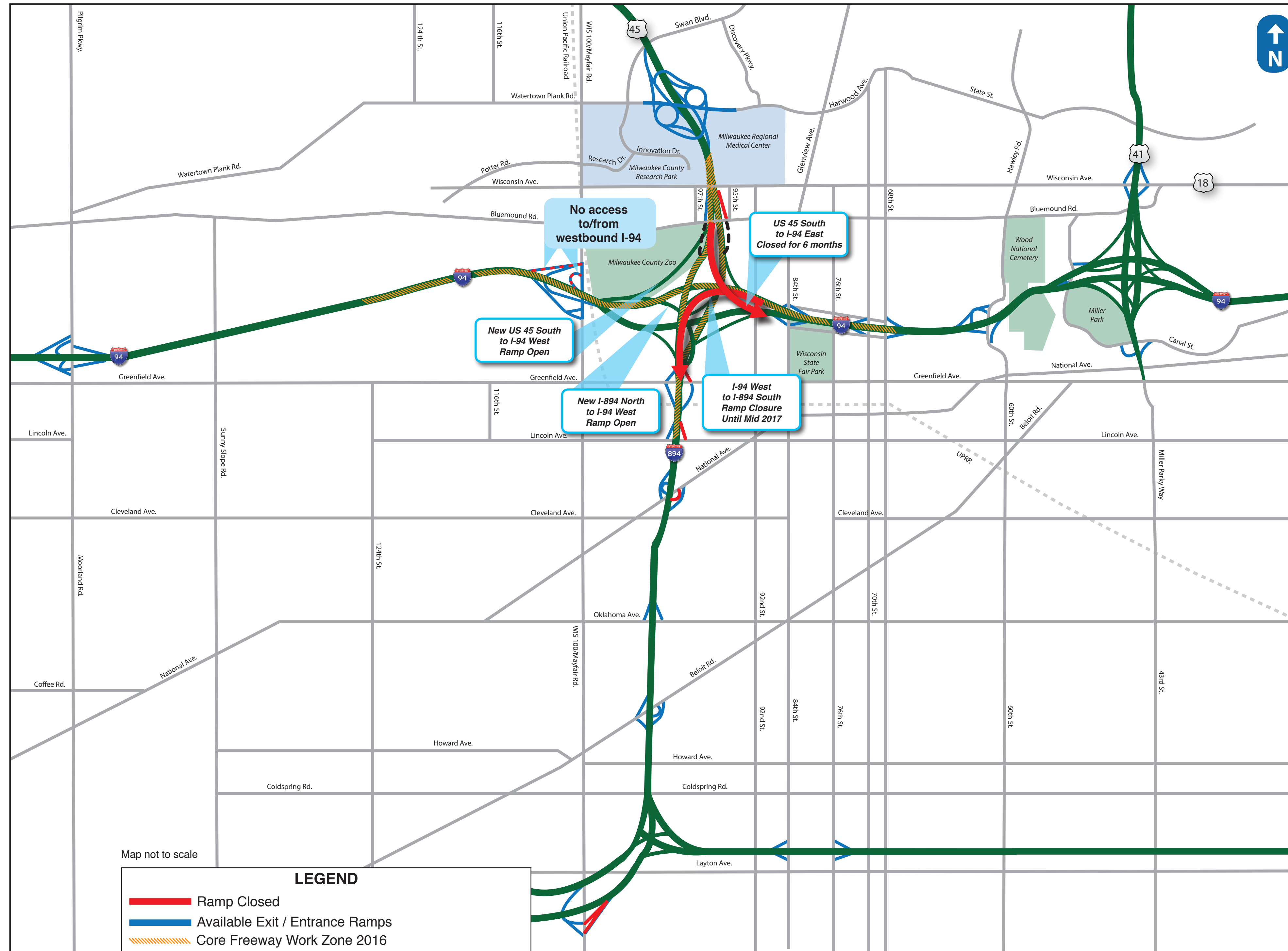
For the latest construction information, please check us out on the web:
www.zoointerchange.wi.gov

WIS 100/ Union Pacific Railroad
Fall 2013 – Late 2014
 The WIS 100/I-94 Interchange and the Union Pacific Railroad bridge over I-94 will be reconstructed. The WIS 100 bridge over I-94 will remain open. Work will include closure of entrance and exit ramps and likely a full weekend closure of I-94 for railroad bridge reconstruction.

76th Street
Fall 2013 – Late Summer 2014
 The 76th Street bridge will be reconstructed. Work will include the full closure of 76th Street from Kearney Street to O'Connor Street; 76th Street will remain open until early 2014.

Honey Creek Box Culvert 
Fall 2013 – Summer 2014
 A large stormwater drainage structure will be constructed under I-94, crossing under 84th Street and continuing under Kearney Street. Work will include closures of 84th Street and Kearney Street as well as periodic closures to entrance and exit ramps. **Closures on 76th Street and 84th Street will not be at the same time.**

Anticipated Ramp Closures* Late 2015 - Late 2016



*Not all ramps to be closed for the entire year