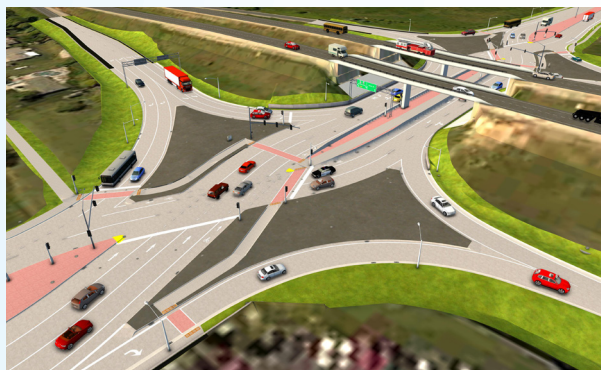


## What is a Diverging Diamond Interchange (DDI)?



A Diverging Diamond Interchange (DDI) will be completed in late 2018 at the WIS 441 and US 10 (Oneida Street) interchange. The DDI is being constructed as a part of the WIS 441 Tri-County Expansion Project. Construction will begin in fall 2018.

A DDI is a type of interchange that connects a freeway with a higher volume roadway. The DDI is based on a standard diamond interchange with a shift in the roadway traffic within the interchange to safely and efficiently accommodate high volume, left turn movements. Within the interchange, traffic on the roadway briefly crosses over and travels on the left side of the road to allow left turn movements to occur without crossing oncoming traffic or stopping. A DDI has fewer conflict points, reducing the opportunities for crashes, and there is greater capacity for vehicles at the interchange.

US 10 (Oneida Street) handles large volumes of traffic moving to and from WIS 441. During the morning peak hour, more than 825 vehicles per hour are projected to turn left from northbound Oneida Street onto westbound WIS 441. The DDI will safely and efficiently accommodate these left turns along with all other traffic movements.

### Website and Meeting Materials

Visit [projects.511wi.gov/wis441/meetings](http://projects.511wi.gov/wis441/meetings) to access the latest WIS 441 project materials. WisDOT will continue to hold business and public involvement meetings throughout the duration of the project to keep you informed about design plans and the construction schedule at key project milestones.

### Email Sign-up

If you would like to sign up for a weekly update on US 10/ WIS 441/I-41 traffic alerts, construction updates, and project information, please send your email address to:

Mark Kantola  
[mark.kantola@dot.wi.gov](mailto:mark.kantola@dot.wi.gov)

## QUESTIONS, COMMENTS or CONCERNS?

Should you have questions, please contact:

Wisconsin Department of Transportation  
WIS 441 Tri-County Construction Project Office  
W6214 Aerotech Drive  
Appleton, WI 54914

T: (920) 832-1777  
E: [ner.dtsd@dot.wi.gov](mailto:ner.dtsd@dot.wi.gov)



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(800) 455-POOL(7665)

## How to drive the **DIVERGING DIAMOND INTERCHANGE**

WINNEBAGO, OUTAGAMIE and CALUMET COUNTIES



# DIVERGING DIAMOND INTERCHANGE (DDI)

## ADVANTAGES of a DDI

DDIs are an alternative to roundabouts, traffic signals and stop signs to control traffic, have many operational and safety benefits, and are designed to meet the needs of all road users.



### SAFETY

Reduces the number of ways vehicles can collide by almost half (14 compared to 26 for a conventional diamond interchange).



### GREATER CAPACITY AND EFFICIENCY

Accommodates more traffic than conventional designs. Drivers make free-flow, left turns onto the Freeway.



### REDUCES BACKUP CONGESTION

At intersections where there is a high volume of left turns onto the Freeway, DDIs reduce traffic backups because the free-flow left turns mean vehicles do not have to stop to access the ramp.



### EASY NAVIGATION

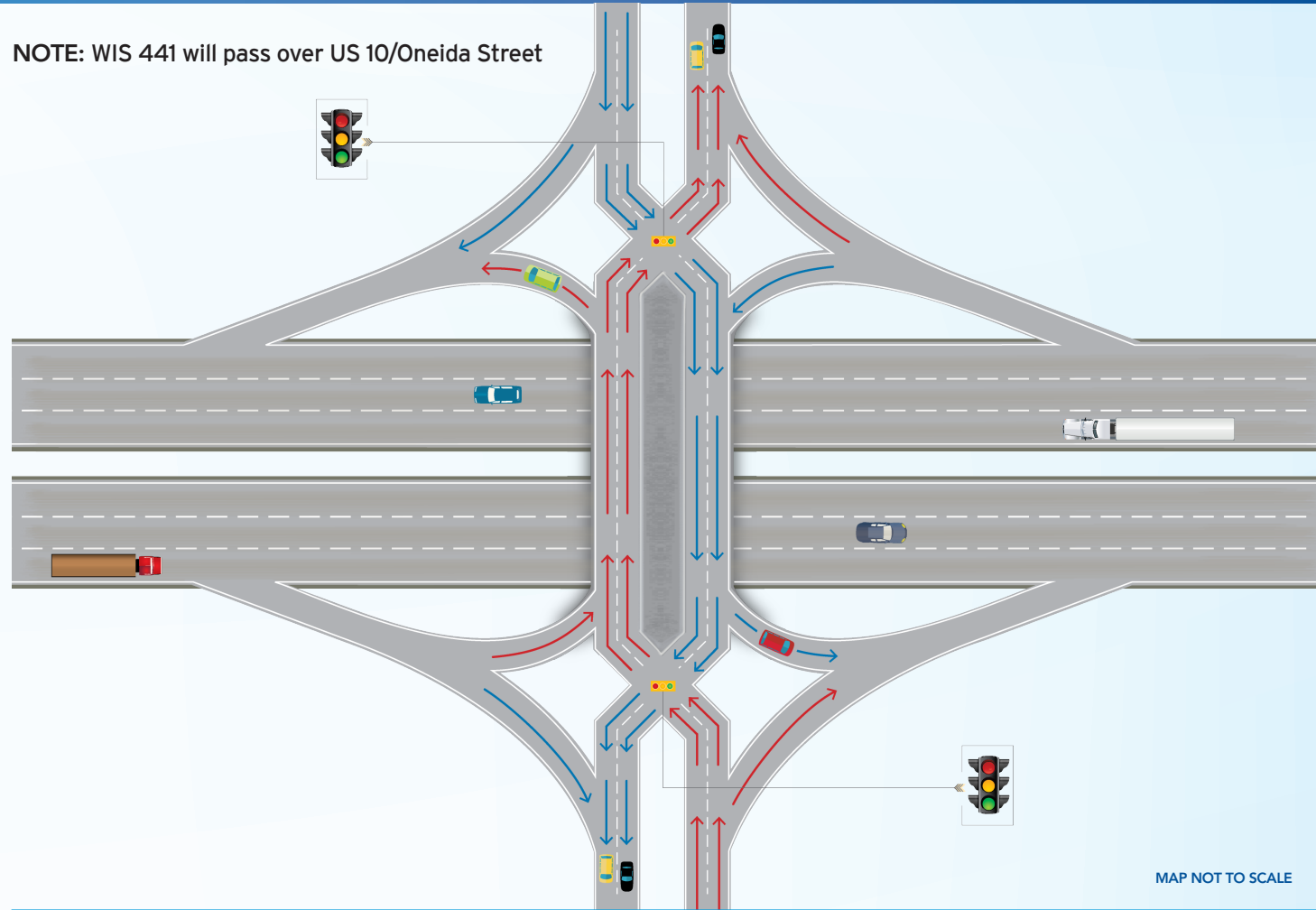
Guides drivers with overhead signs, pavement marking and traffic signals.



### MEETS THE NEEDS OF ALL ROAD USERS

Accommodates large trucks, vehicles, pedestrians and bicyclists.

NOTE: WIS 441 will pass over US 10/Oneida Street



## DRIVING the DDI

Following the signage, signals and pavement markings, motorists cross over to the left side of Oneida Street after the first set of traffic lights.

All left turns onto the freeway are free flow, meaning vehicles do not have to stop to access the ramp.

Vehicles going straight simply proceed through a second set of traffic lights and cross back to the right side of the road.

To view how DDIs operate, please watch the narrated animation video of the I-39/90 and WIS 11 (Avalon Road) interchange at [projects.511wi.gov/i-39-90/wis11-avalonroad/](https://projects.511wi.gov/i-39-90/wis11-avalonroad/).