

# I-39/Harrison Avenue Interchange

As part of the I-39 Corridor Reconstruction project, IDOT is rebuilding the existing I-39/Harrison Avenue interchange. The interchange will be modified from its current cloverleaf design to a Diverging Diamond Interchange, or DDI (see images to the right).

## WHAT IS A DIVERGING DIAMOND INTERCHANGE?

A Diverging Diamond Interchange, or DDI, is an interchange where the traffic on the non-highway route crosses to the other side of the street in between the highway ramps. The crossover points are traffic signalized and gradually switch (or diverge) traffic from the right side of the road to the left side and then back again. This configuration allows all left turns onto highway ramps to be made from the left-hand side without having to cross oncoming traffic. All right turns will continue to occur from the right-hand side.

## WHY USE A DDI?

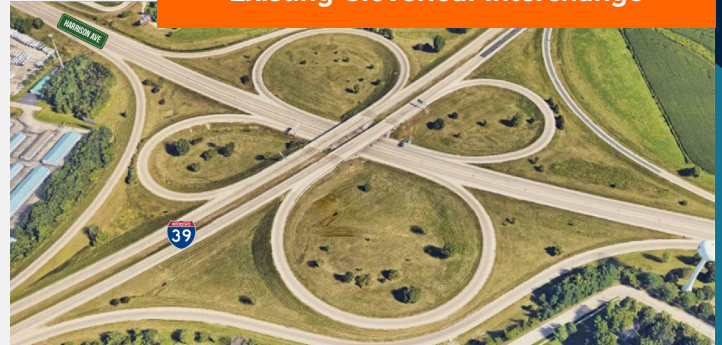
- **Improves safety** of all roadway users (vehicles, bicyclists, and pedestrians) by reducing conflict points. Eliminates safety concerns caused by merging traffic between cloverleaf loop ramps.
- **Reduces wait times and delay** due to fewer traffic signal phases, i.e., not having to wait for left turn signal.
- **More vehicles** can move through the interchange due to the efficient design and operations.

## ADDITIONAL RESOURCES

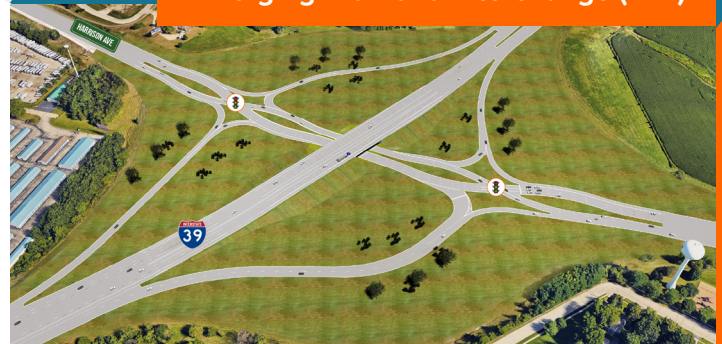
You can find detailed information on the safety and benefits of a DDI (also known as a Double Crossover Diamond) at [www.fhwa.dot.gov/publications/research/safety/09054/index.cfm](http://www.fhwa.dot.gov/publications/research/safety/09054/index.cfm)

Navigating the Diverging Diamond Interchange Video  
[www.youtube.com/watch?v=bxkur5Wl4Ok](http://www.youtube.com/watch?v=bxkur5Wl4Ok)

Existing Cloverleaf Interchange



Diverging Diamond Interchange (DDI)



Scan this image with your mobile phone to see a computer simulation of how the proposed DDI will work.

## HOW DO I USE THE DDI?

The images below show how to use the DDI for each type of travel: through traffic on Harrison Avenue, entering onto I-39, and exiting from I-39.

