



SAFETY & EFFICIENCY BENEFITS

- ▶ Reduces congestion and engine idling
- ▶ Improves safety and efficiency for drivers entering and exiting a freeway
- ▶ Decreases delays going through an intersection
- ▶ Eliminates last-minute lane changes

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Diverging Diamond Interchanges

A design that more efficiently moves high volumes of traffic through an interchange and provides easier access to an interstate



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INNOVATIVE DESIGN IMPROVES JUNCTION

A Diverging Diamond Interchange—sometimes referred to simply as a DDI—allows two directions of traffic to temporarily cross to the left side of the road. It moves high volumes of traffic through an interchange without increasing the number of lanes and traffic signals.

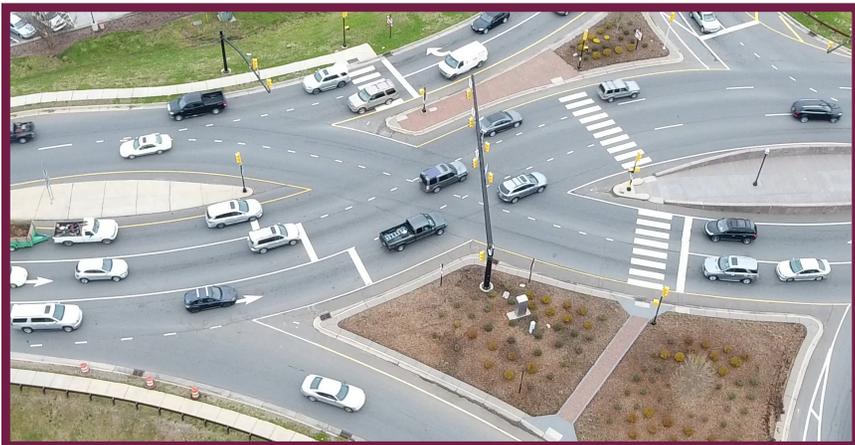
This movement also provides easier access to an interstate as drivers do not have to cross opposing traffic to make a left turn.

A NATIONAL STUDY FOUND THE DESIGN:

Reduced crashes by
37
percent

Reduced injury and fatal crashes by
54
percent

Source: Transportation Research Record (2019)



NAVIGATING A DIVERGING DIAMOND INTERCHANGE

Drivers proceed through a traffic signal at the entrance of the interchange and follow their lane to the other side of the interchange. Pavement markings and signals direct drivers to where they need to go:

LEGEND:



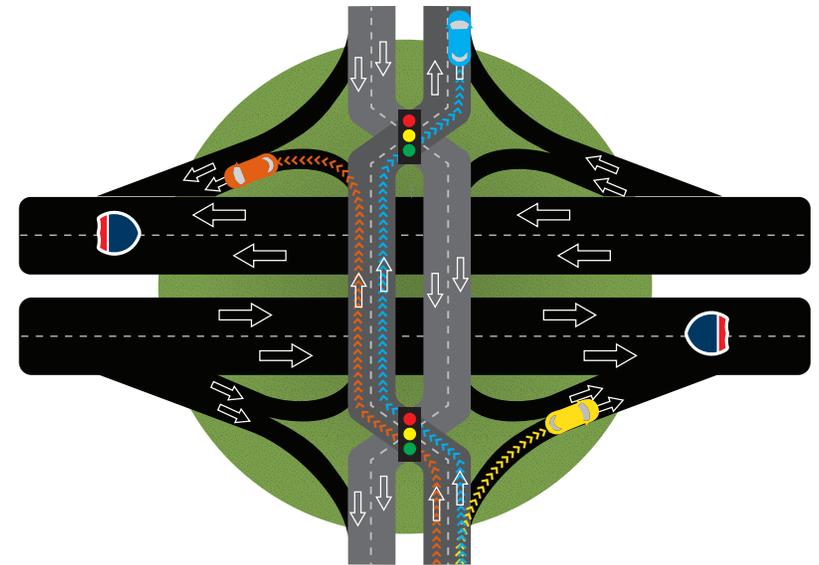
Before they cross to the other side at the traffic signal, drivers may go right to reach the on-ramp.



After they have crossed to the other side, drivers may simply turn left, without having to stop or wait for any oncoming traffic, to enter the interstate.



Those going straight **through the intersection** proceed through a second traffic signal and follow their lane back to the right side of the road.



Pedestrians follow the signalized crosswalks and typically use a center island where there is a sidewalk.



Bicyclists can use a bike lane adjacent to the right lane, or ride with traffic, staying to the right.