

Diverging Diamond Interchange (DDI)

A Diverging Diamond Interchange (DDI) is a type of highway interchange that helps improve safety and reduce traffic delays. As drivers move through the interchange, they briefly drive on the left side of the road and then return to the right side. This allows drivers turning left onto the highway to do so without crossing in front of oncoming traffic. With fewer places where vehicles cross each other's paths, there is less chance of serious crashes. This design also helps traffic move more smoothly through the interchange.



Why TxDOT Uses DDIs



Improves Safety

Reduces serious crashes by removing left turns across traffic.



Improves Traffic Flow

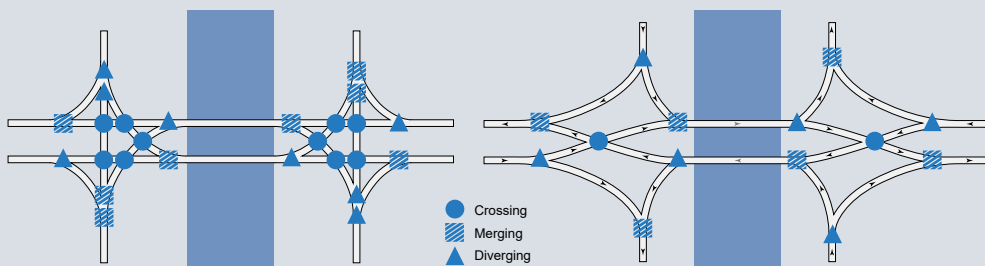
Traffic moves more smoothly with more efficient left turns.



Fits Busy Areas

Works well where there are many left-turning vehicles.

Fewer Opportunities for Cars to Crash = Safer Roads



Conflict points at traditional interchange vs. DDI

Reduction in severe crashes (per FHWA)

Right angle crashes were reduced **72%**.

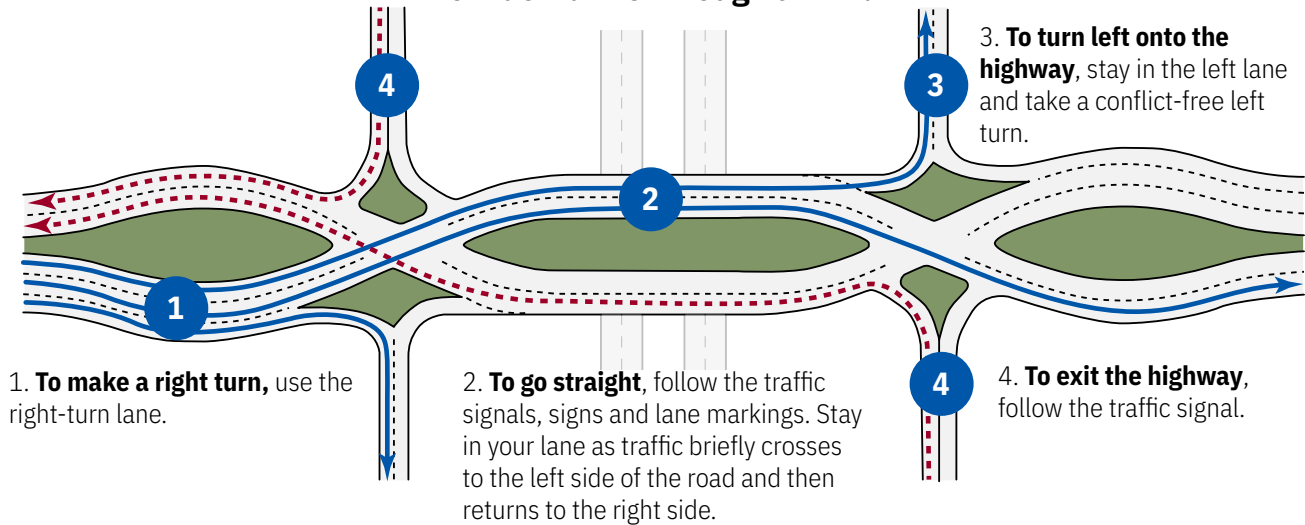
Left turn crossing conflicts are eliminated.

Intersection Type	Conflict Points Total
Traditional	26
DDI	14

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Frequently Asked Questions

How do I drive through a DDI?



Will this take more time?

Traffic flows more smoothly, so travel time is often the same or better.



Why does traffic cross to the other side of the road?

This allows drivers to turn left onto the highway without having to yield to oncoming traffic, which helps reduce serious crashes.



How do large trucks get through?

DDIs are designed to fit large trucks. Drivers should give them space like any normal traffic signal.

How to navigate as pedestrians & cyclists



Using Crosswalks

Cross one direction of traffic at a time using the marked crosswalks and follow pedestrian signals when crossing.



For Bicyclists

Ride with traffic and follow signals, or use crosswalks like a pedestrian if you prefer

