

# About DDIs

## What is a DDI?

A Diverging Diamond Interchange (DDI) is an **innovative interchange design** that improves safety and mobility by providing **left turn movements that do not cross oncoming traffic**.

## Benefits

### Safety

A DDI eliminates many of the most severe crash types by avoiding left turns across oncoming traffic. This simple change reduces vehicle-to-vehicle conflict points by nearly 50 percent compared to conventional interchanges.

### Efficiency

A DDI requires fewer lanes than a conventional interchange to handle the same amount of traffic.

### Cost-Effectiveness

A DDI can often be constructed at a lower cost and with less space than a conventional interchange.

Photo Source: SYCDrone, LLC

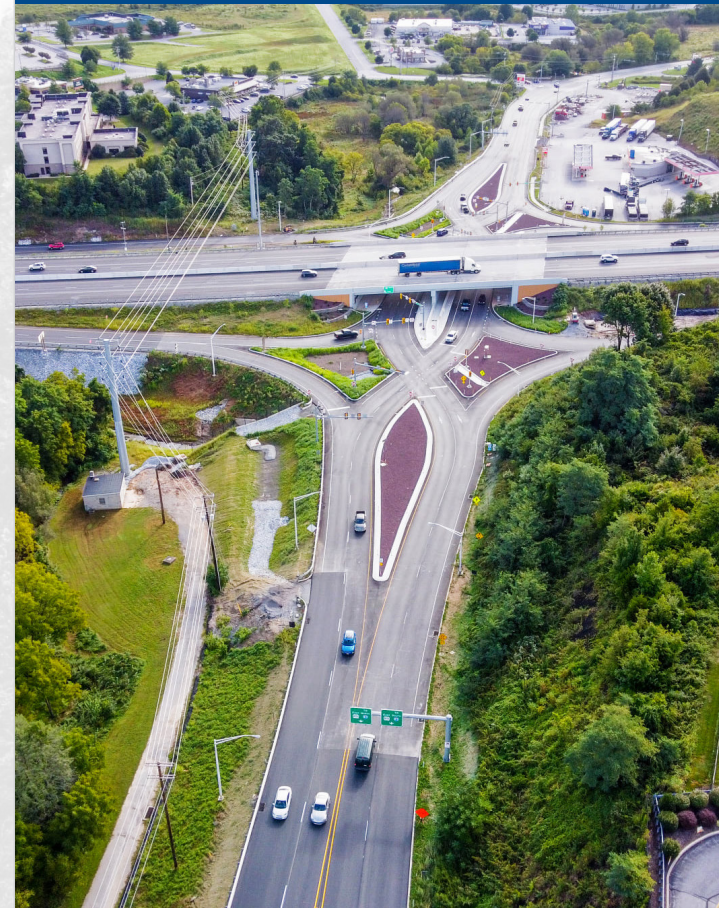
# Diverging Diamond Interchange (DDI)

General Information and Driving Tips for Motorists

## Contact Information

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# Navigating Diverging Diamond Interchanges (DDIs)

Watch for pedestrians and bicyclists while navigating through a DDI. Pedestrian walkways can be designed either inside the central median or outside the roadway.

3

Motorists turning left onto the on-ramp do so just prior to the second signal.

4

Those continuing through the interchange go through the second signal and cross back over.

2

All other motorists continue through the first traffic signal and cross over.

1

Motorists turning right onto the on-ramp do so like a conventional interchange.

Motorists turning left from the off-ramp merge into crossover lanes and continue through the signal.

Motorists turning right from the off-ramp do so like a conventional interchange.

Roadway alignments, lane configurations, street signs, and pavement markings assist drivers in easily navigating the interchange.

Adapted from NCHRP Report 948, Ex. 9-1

