

Diverging Diamond Interchange

What should motorists expect when driving the DDI?

1. As you approach the traffic signal, Route 221 will widen out and curve slightly to the left. You will see oncoming Route 221 traffic to your right at a 25-degree angle.
2. As you travel through the signal, you will cross in front of oncoming traffic that is stopped on your right. Then you will be driving on the left side of the bridge, with the opposing lanes on your right separated by concrete barriers.
3. To get to Route 67, you will use the left-hand lane. The turn onto the Route 67 on-ramp will be a “free left” turn - meaning no need to stop. Through-traffic behind left-turning drivers will also be able to keep moving.
4. If you drive all the way across the bridge and pass through the next signal, you will shift back to the right and oncoming traffic will be on your left—the usual pattern.
5. If you exit southbound Route 67 to go east on Route 221, you will merge into the left lane of eastbound Route 221 on the bridge. Likewise, driving northbound Route 67 to westbound Route 221, you will merge into the left lane of westbound Route 221 on the bridge.
6. Making a right turn from Route 221 to the Route 67 on-ramp in either direction will be the same as it is today. You will have to yield to traffic turning left from the bridge.

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The proposed project includes constructing a diverging diamond interchange (DDI) at the intersection of Routes 221, W and 67 in Farmington. Additionally, the bridge will be re-decked and striped for four lanes of traffic and access changes will be made to Walker Drive.

What are the benefits of a DDI?

- **Less Construction Time:** Constructing a DDI will take less time than standard reconfiguration methods.
- **Less Expensive:** In comparison to standard interchange reconfiguration methods, a DDI also produces a substantial cost savings. With a DDI, fewer lanes are needed to provide the same vehicle capacity. By constructing a DDI, it will not be necessary to purchase as much right-of-way.
- **Safer:** Most importantly, a DDI has the potential to increase safety. A DDI has fewer potential conflict points than a traditional interchange. Secondly, traffic will move more steadily through the DDI, reducing the likelihood of rear-end crashes. A DDI also eliminates left turns crossing opposing traffic and improves sight distance.
- **Reduced Delays:** Once the DDI is open to traffic, drivers will experience reduced delays at the signalized intersections due to two phase signals with short cycle lengths.

What is the timeline for this project?

If the project is awarded in July 2011, improvements could begin as early as fall 2011 with completion in fall 2012.

As construction is underway, how will traffic be impacted?

Motorists should expect traffic shifts and width restrictions on Route 221 and Route W. Lane closures may be necessary at times. Additionally, motorists should watch for equipment crossings, which could cause delays periodically. The project will have a minimal impact on Route 67 traffic.

For more information, please contact Project Manager Tim Richmond at (573) 472-5290, Transportation Project Designer Jeff Wachter at (573) 472-5294 or MoDOT's Customer Service Center at 1-888 ASK MODOT.



