



# SR 72/SR 1 Interchange

## What is a Diverging Diamond Interchange (DDI)?

- *A free flow interchange where the two directions of local traffic (SR 72) briefly drive on the left side of the road to allow continuous SR 1 access to occur without stopping or crossing traffic.*
- *The DDI, used internationally since 1970 and introduced to America in the early 2000's, provides significant safety and efficiency improvements.*
- *“Best Engineering Innovation in 2009” by Popular Science.*
- *Missouri opened the first DDI in the United States June 21, 2009. Since then 45 DDI's have opened, the closest is in Hanover, MD (near Arundel Mills Mall).*

## DDI Highlights

- *Environmentally Friendly Design - maximizes the use of existing pavement.*
- *Bicycle and Pedestrian facilities will be provided through the DDI.*
- *Increases capacity of turning movements by providing free flowing high volume left turns.*
- *Reduces delay by having 2-phase signals which means more green time on SR 72.*
- *Please see our video explaining the DDI Option for the SR 1 / SR 72 interchange.*

I-44 AT MO 13 SPRINGFIELD, MO



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DDI CENTER PEDESTRIAN PATH



I-270 AT DORSETT ROAD  
MARYLAND HEIGHTS, MO