

REDUCED CONFLICT INTERSECTIONS

WHAT IS A REDUCED CONFLICT INTERSECTION?

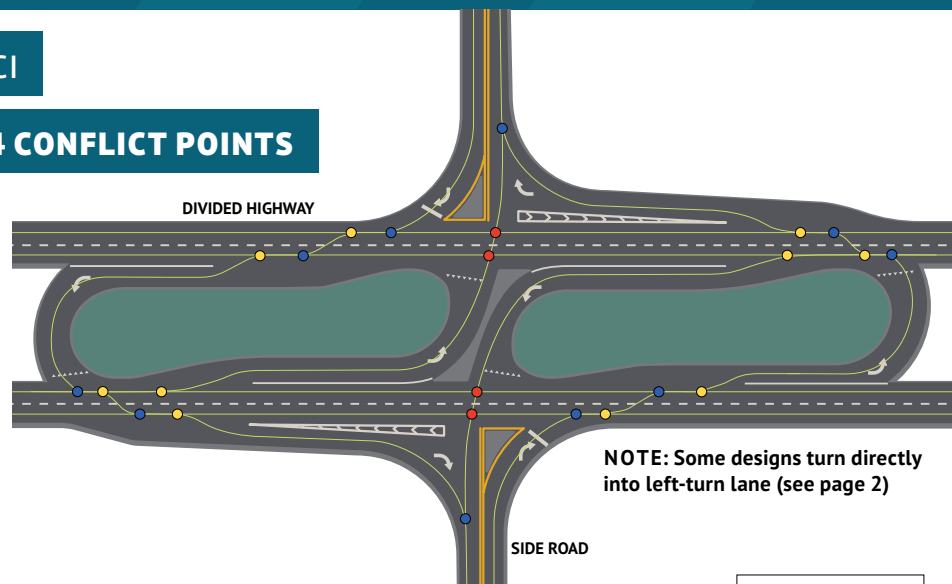
- A **Reduced Conflict Intersection (RCI)** directs side-road traffic turning left or crossing multiple lanes of a divided highway to a secondary U-turn intersection a short distance away.
- RCIs are primarily used at intersections on four-lane divided highways with high traffic volumes and speeds when a traffic signal or other intersection type is not suitable.
- RCIs are designed for all vehicle types, including trucks and farm vehicles.

WHY ARE THEY USED?

- RCIs reduce the number of points where vehicles can collide with other vehicles, often called conflict points.
- A typical four-lane divided highway intersection has 42 possible vehicle conflict points, while reduced-conflict intersections have as few as 24.
- RCIs improve mobility and greatly reduce the number of severe broadside crashes that can occur when drivers must cross busy divided highways.
- The RCI separates turning movements and simplifies decision-making for drivers because they only need to yield to one direction of traffic at a time, minimizing the potential for severe crashes.

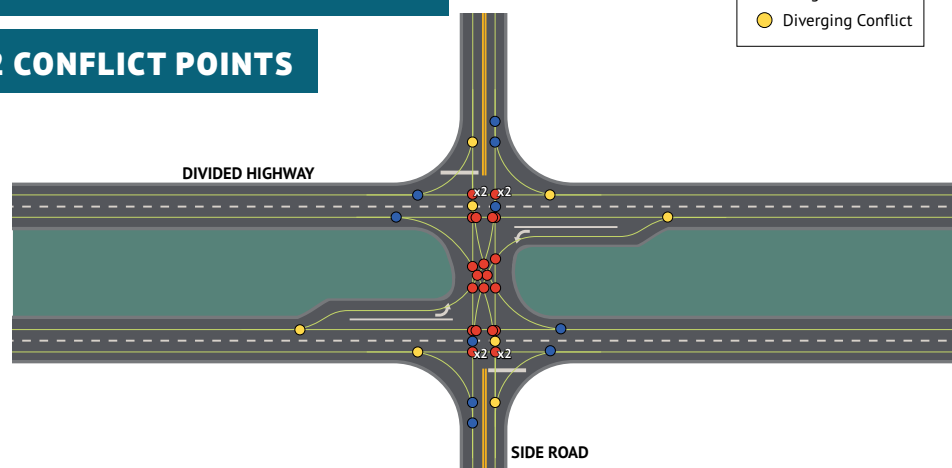
RCI

24 CONFLICT POINTS



TRADITIONAL INTERSECTION

42 CONFLICT POINTS



PLANNING STUDY – US 63 & C57/CEDAR WAPSI RD – BLACK HAWK COUNTY

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CONTACT

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HOW DO I DRIVE THROUGH A REDUCED CONFLICT INTERSECTION?

- 1 Turn right onto the divided highway.
- 2 Turn directly into the left-turn lane depending on the specific site.
- 3 Make a left turn at the designated U-turn median opening.
- 4 Continue through the main intersection to complete the left turn, or to make a right turn at the main intersection to continue traveling straight on the side road.

BENEFITS



Improved Safety

RCIs can reduce fatal and serious injury crashes by 63% compared to an intersection with stop signs on the side road.

RCIs do not create unexpected stopping like a traffic signal leading to an increase in high-speed rear-end crashes.



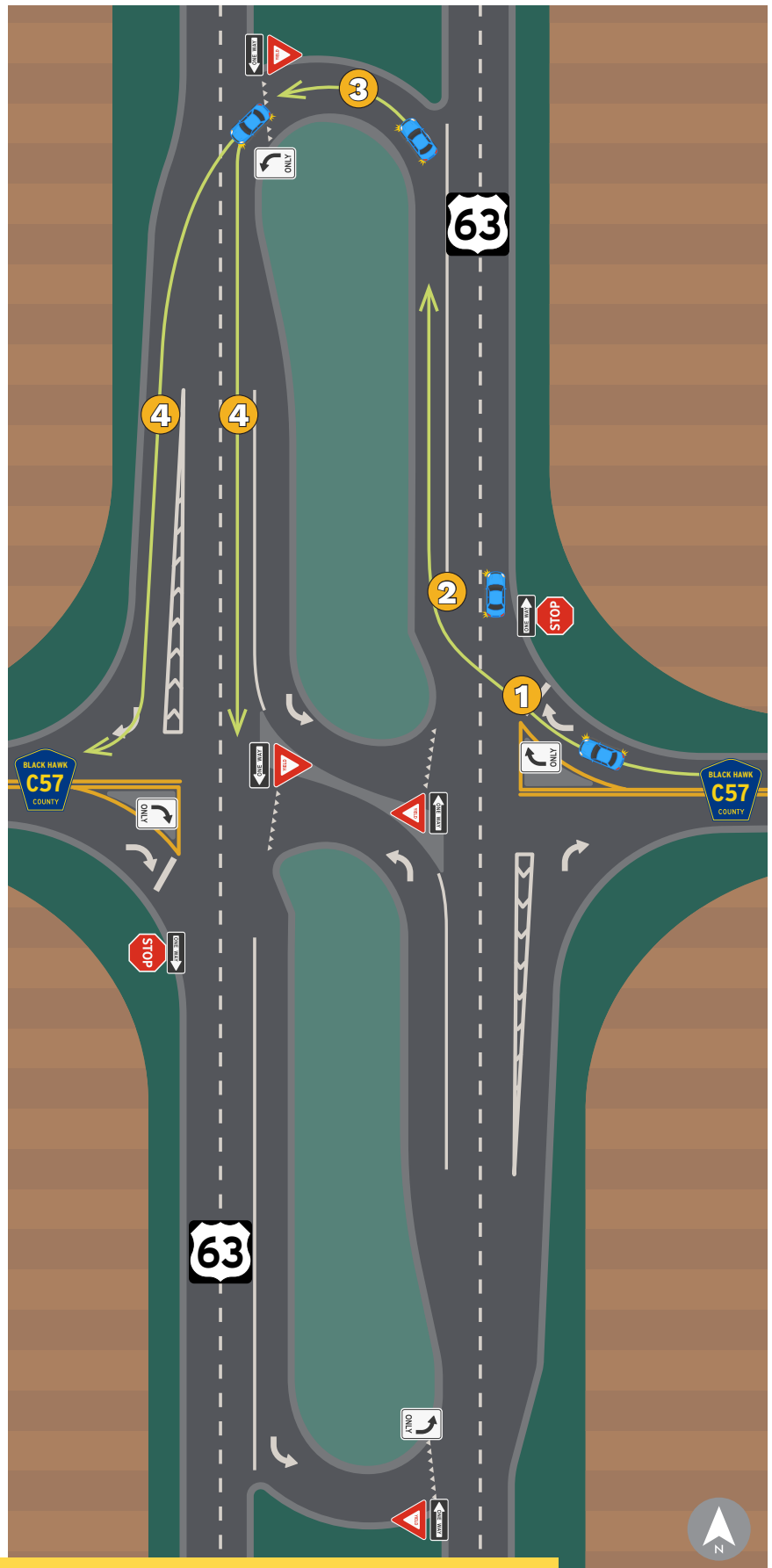
Faster to Build

RCIs can be designed and built in about one year. Interchanges typically take two to five years to build and are not practical at all locations.



Lower Cost

RCIs are often less expensive than constructing and maintaining an intersection with a traffic signal and are a fraction of the cost of building an interchange.



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