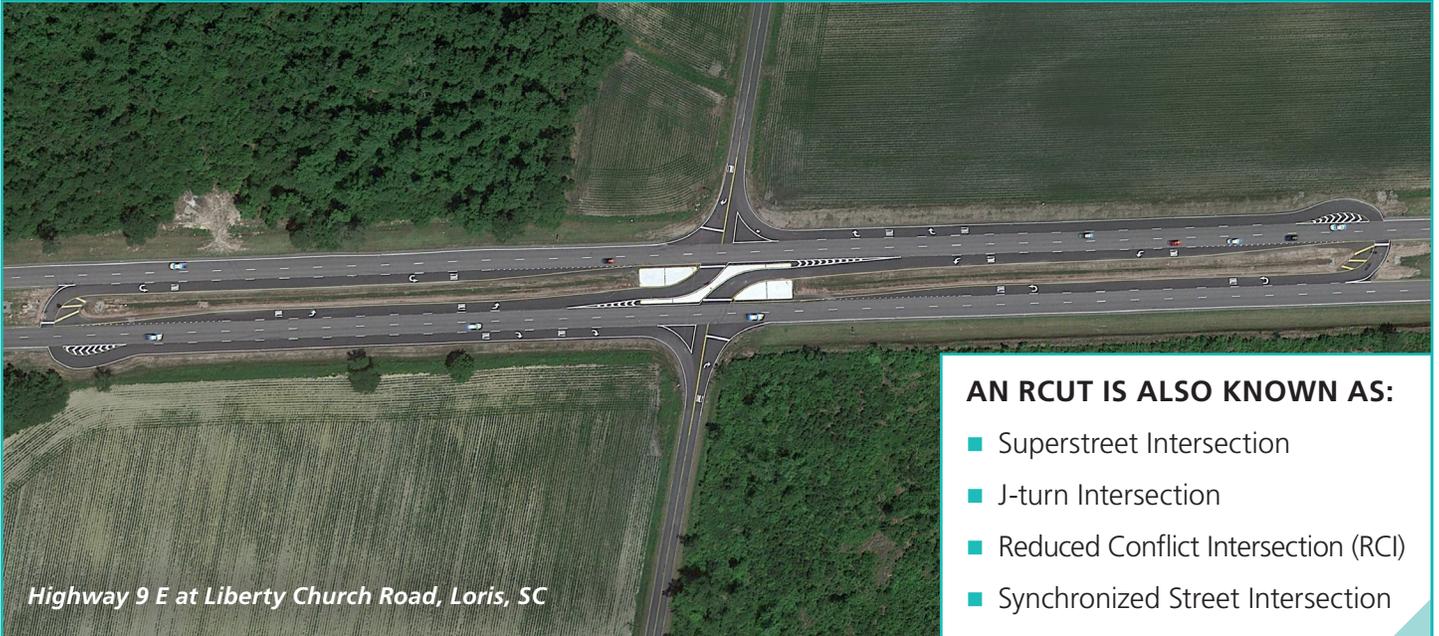




Restricted Crossing U-Turn (RCUT)



Highway 9 E at Liberty Church Road, Loris, SC

AN RCUT IS ALSO KNOWN AS:

- Superstreet Intersection
- J-turn Intersection
- Reduced Conflict Intersection (RCI)
- Synchronized Street Intersection

What is an RCUT?

- Intersection design where all side street movements begin with a right turn
- Side street left-turn and through vehicles turn right and make a u-turn at a dedicated downstream median opening to complete the desired movement
- Main intersection and median u-turns can be designed as signalized, stop controlled, or yield controlled

When should an RCUT be considered?

- On median-divided highways
- At intersections with heavy through and/or left-turn traffic volumes on the major street
- At intersections with low through and left-turn traffic volumes on the side street
- At intersections with three or four legs

What are the benefits of an RCUT?

- **Improved safety:** Reduces the number of points where vehicles cross paths and eliminates the potential for head-on crashes
- **Increased efficiency:** Each direction of the major street can operate independently creating two one-way streets and increasing the overall intersection capacity
- **Shorter wait times:** Fewer traffic signal phases means less stopping for mainline vehicles and right turns only from the side street vehicles means less time waiting
- **Cost-effective:** A RCUT can be more cost-effective than adding lanes to improve capacity

What are innovative intersections?

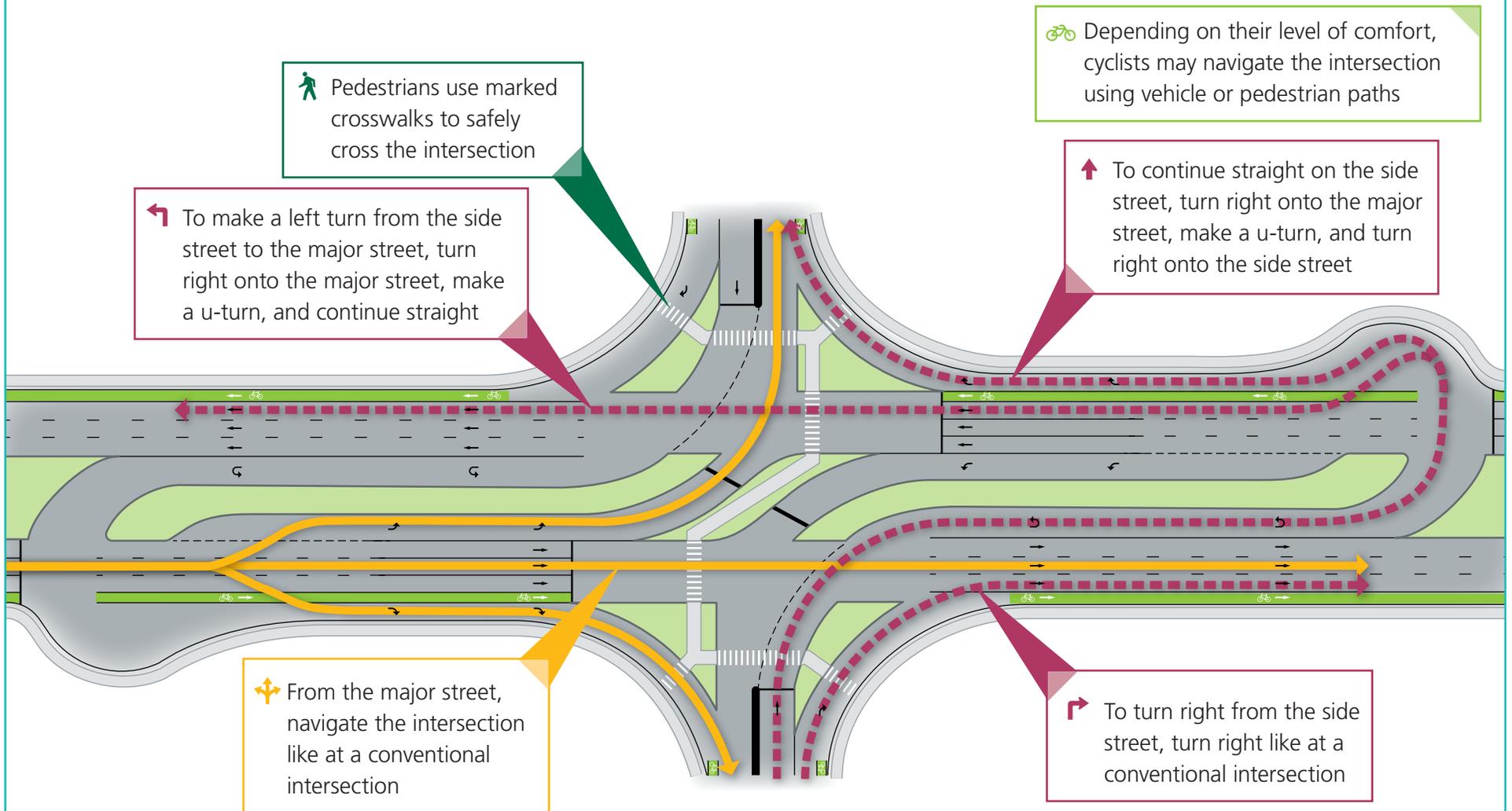
Intersection designs where traffic movements are modified to improve safety, reduce delay, and increase efficiency.

Visit www.virginiadot.org/innovativeintersections to learn more.





Navigating a Restricted Crossing U-Turn (RCUT)



NOT TO SCALE

Note: For simplicity, only two directions of traffic are shown. Opposing traffic follows similar routes.