A DOUBLE ROUNDABOUT IS ALSO KNOWN AS:
- Raindrop interchange

What is a double roundabout?
- A grade-separated interchange design where all freeway ramps begin or end at one of two roundabouts
- The roundabouts are circular, unsignalized intersections where all traffic moves in a counter clockwise direction around a central island

When should a double roundabout be considered?
- At interchanges with heavy left turns volumes onto the freeway ramps
- At locations where there is limited room between the ramp intersections for vehicles to wait at traffic signals
- At heavily-used freeway off-ramp intersections where vehicles tend to back up on the freeway

What are the benefits of a double roundabout?
- Improved safety: Reduces the number of points where vehicles can cross paths and eliminates the potential for right-angle and head-on crashes
- Increased efficiency: Decreases the delay for ramp traffic and eliminates signal coordination between the two ramp terminals
- Continuous flow: Yield-controlled design minimizes backups on the freeway, reducing the potential for high-speed rear-end crashes
- Cost-effective: Allows for a narrower bridge because it eliminates at least two turning lanes

What are innovative interchanges?
Interchange designs where traffic movements are modified to improve safety, reduce delay, and increase efficiency.

Visit www.virginiadot.org/innovativeintersections to learn more.
Depending on their level of comfort, cyclists may navigate the interchange using vehicle or pedestrian paths.

- To continue straight on the arterial, enter the first roundabout and exit onto the second leg. Then, continue to the second roundabout and exit onto the second leg again.

- To turn left from a freeway ramp, enter the roundabout and exit onto the third leg.

- To turn right onto a freeway ramp from the arterial, enter the roundabout and take the first leg onto the freeway entrance ramp.

- To turn right from a freeway ramp, enter the roundabout and exit onto the first leg.

- To turn left onto a freeway ramp from the arterial, enter the roundabout and take the third leg onto the freeway entrance ramp.

Pedestrians use marked crosswalks to safely navigate the interchange.

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

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