What are innovative intersections and interchanges?
Innovative intersections and interchanges modify vehicle, pedestrian, and bicycle paths to improve safety, reduce delay, and increase efficiency.

What are the benefits of innovative intersections and interchanges?
- Improved safety
- Increased efficiency
- Increased capacity
- Shorter wait times
- Long-term cost effectiveness

Who can use innovative intersections and interchanges?
Everyone — innovative intersections and interchanges accommodate all roadway users, including motorists, pedestrians, and bicyclists.

When should innovative intersections and interchanges be considered?
Each intersection or interchange location is unique so the use of innovative intersections and interchanges will depend on consideration of the following factors:
- Roadway geometry
- Major street and side street traffic volumes
- Location(s) with a high frequency of turning vehicles
- Access for trucks, buses and emergency vehicles
- Existing crash patterns
- Right-of-way impacts
- Design requirements
- Pedestrian and cyclist use
- Budget

How is VDOT implementing innovative intersections and interchanges?
VDOT has incorporated the consideration of innovative intersections into its design policies. Innovative intersections and interchanges should be considered:
- At new intersections and interchanges
- As an alternative to existing or proposed traffic signals
- On intersections and interchanges on the VDOT Arterial Preservation Network
- When developing funding applications

VDOT's toolbox of innovative intersections and interchanges includes:

INTERSECTIONS
- Bowtie
- Center Turn Overpass
- Continuous Green-T (CGT)
- Echelon
- Displaced Left Turn (DLT)
- Median U-Turn (MUT)
- Quadrant Roadway (QR)
- Restricted Crossing U-Turn (RCUT)
- Single Loop
- Split Intersection
- Roundabout and Mini Roundabout
- Single Point Urban Interchange (SPUI)
- Single Roundabout

INTERCHANGES
- Contraflow Left
- Displaced Left Turn (DLT)
- Michigan Urban Diamond (MUD)
- Partial Cloverleaf
- Double Roundabout
- Single Roundabout
- Single Point Urban Interchange (SPUI)
Want to learn more about innovative intersections and interchanges?

Visit www.virginiadot.org/innovativeintersections to:

- Learn about the different types of innovative intersections and interchanges
- Watch videos on how to navigate the most common innovative intersections and interchanges
- See where innovative intersections and interchanges have been constructed or are planned for construction in Virginia
- Understand how VDOT is implementing innovative intersections and interchanges