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INNOVATIVE INTERSECTIONS

Continuous Green-T (CGT)



US 40 (Columbia Pike) at Rivers Edge Road, Columbia, MD

A CGT IS ALSO KNOWN AS:

- Turbo-T Intersection
- High-T Intersection
- Seagull Intersection

What is a CGT?

- Intersection design where one major street direction of travel (the top side of the "T") can pass through the intersection without stopping and the opposite major street direction of travel is typically controlled by a traffic signal
- Left-turn vehicles from the side street use a channelized receiving lane on the major street to merge onto the major street
- Intersection is typically signalized but can also be designed without a traffic signal

When should a CGT be considered?

- At intersections with three legs
- At intersections with heavy through traffic volumes on the major street
- At intersections with moderate to low left-turn traffic volumes on the side street
- At intersections where there are no driveways along the major street opposite the side street
- At intersections with a limited number of pedestrian crossings across the major street or with an alternative pedestrian crossing location nearby

What are the benefits of a CGT?

- **Improved safety:** Channelization of left-turn vehicles from the side street reduces the potential for angle crashes
- **Increased efficiency:** Because one direction of travel on the major street is free-flow, more green time can be provided to the other movements, reducing delay at the intersection
- **Free-flow in one direction:** One direction of travel on the major street never stops, which improves traffic signal synchronization and reduces corridor travel times

What are innovative intersections?


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

Visit www.virginia.gov/innovativeintersections to learn more.





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Navigating a Continuous Green-T (CGT)

 Depending on their level of comfort, cyclists may navigate the intersection using vehicle or pedestrian paths


 To turn left from the side street, use the channelized lane to merge onto the major street

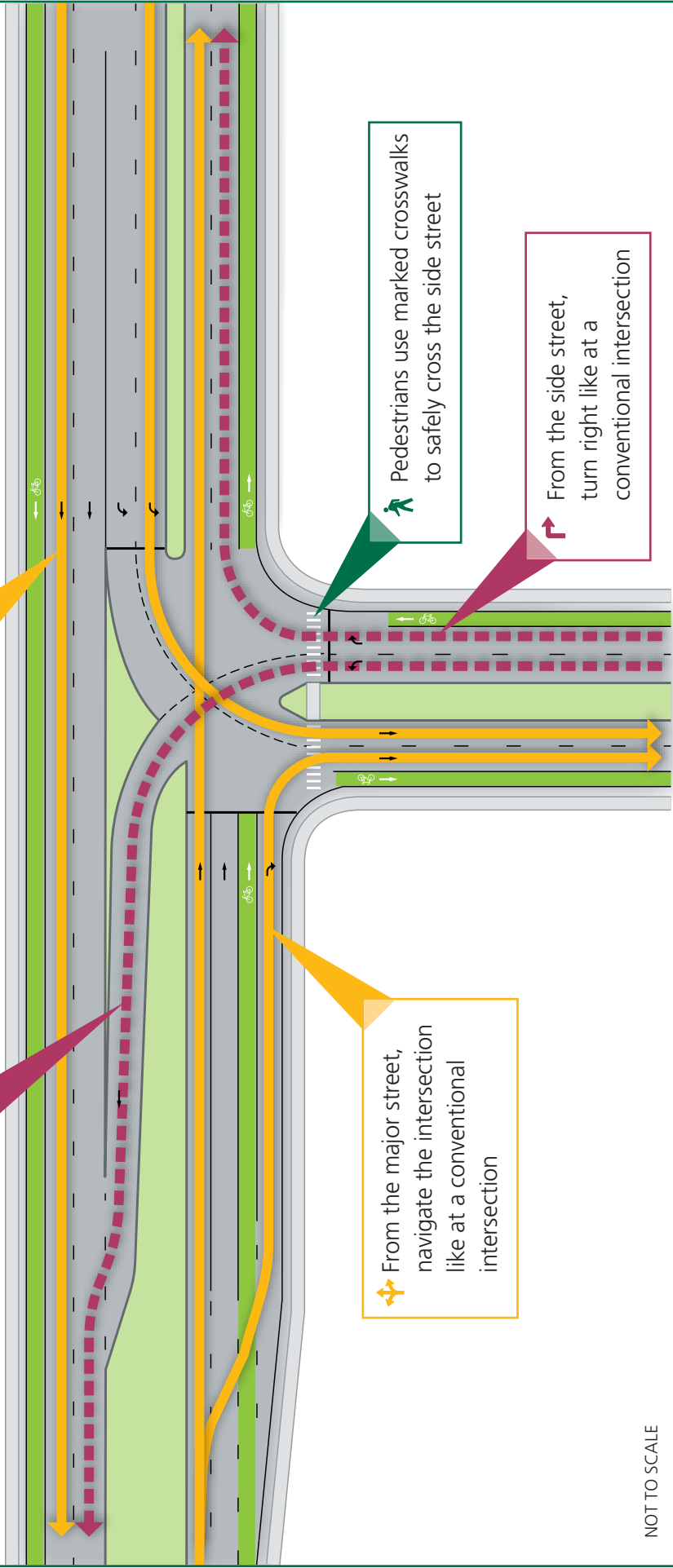
 To continue straight on the top of the "T", pass through the intersection

 At CGTs, crosswalks are not provided across the major street. To cross the major street, pedestrians may use the nearest marked crosswalk (not shown)

 From the major street, navigate the intersection like at a conventional intersection

 Pedestrians use marked crosswalks to safely cross the side street

 From the side street, turn right like at a conventional intersection



NOT TO SCALE