



INNOVATIVE INTERSECTIONS

# Median U-Turn (MUT)



Poplar Tent Road at Derita Road, Concord, NC

## AN MUT IS ALSO KNOWN AS:

- Michigan Left-Turn Intersection
- Median U-Turn Crossover
- Boulevard Turnaround
- Michigan Loon
- ThrU-Turn Intersection

## What is an MUT?

- Intersection design where left-turn vehicles from one or both roads make u-turns at dedicated median openings to complete the desired movement
- Intersection can be designed with median u-turns on one or both roads
- Median u-turns can be designed as signalized, stop controlled, or yield controlled

## When should an MUT be considered?

- On median divided highways
- At intersections with moderate to heavy through traffic volumes and low to moderate left-turn traffic volumes
- At intersections with three or four legs

## What are the benefits of an MUT?

- **Improved safety:** Reduces the number of points where vehicles cross paths and decreases the potential for right-angle crashes
- **Increased efficiency:** Eliminates left-turn movements from the main intersection allowing for fewer traffic signal phases, which reduces delay and increases capacity
- **Shorter wait times:** Fewer traffic signal phases means less time stopping at the main intersection
- **Cost effective:** An MUT can be more cost-effective than adding lanes to increase 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](http://www.virginiadot.org/innovativeintersections) to learn more.





# Median U-Turn (MUT)

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

 Pedestrians use marked crosswalks to safely cross the intersection

 To make a left turn from the major street to the side street, go straight through the main intersection, make a u-turn, and turn right onto the side street

 To make a left turn from the side street to the major street, turn right onto the major street, make a u-turn, and continue straight

 To continue straight and turn right from the major street, navigate the intersection like at a conventional intersection

 To turn right from the side street, turn right like at a conventional intersection

 To continue straight on the side street, navigate the intersection like at a conventional intersection

NOT TO SCALE

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