



Restricted Crossing U-Turn (RCUT)



A **Restricted Crossing U-Turn (RCUT)** is a four-lane highway intersection design consisting of one main intersection and two median crossover intersections.

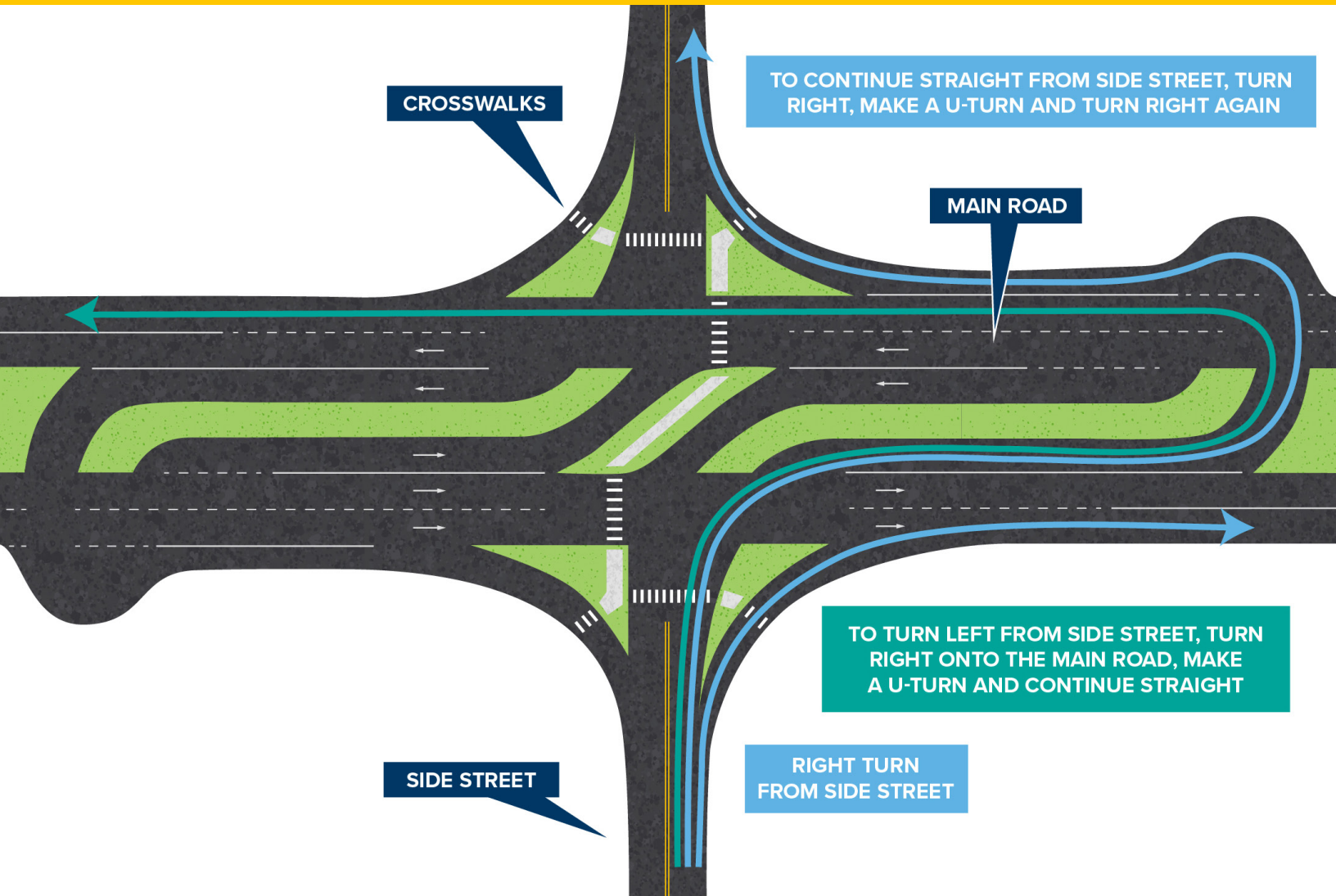


BENEFITS

- **Enhanced safety** – When turning from a side street, motorists only have to focus on one direction of oncoming traffic instead of two at a time.
- **Increased efficiency**— The RCUT design has fewer traffic lights and stops, resulting in shorter wait times for motorists.
- **Increased capacity** – Each direction in an RCUT operates independently by creating two one-way streets that increase overall capacity.
- **Cost-effective** – RCUT implementation is more cost-effective than adding travel lanes or constructing/maintaining intersections with traffic signals.



Restricted Crossing U-Turn (RCUT)



WHAT TO KNOW ABOUT RCUTS

- RCUT is pronounced ARE-CUT
- 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 median to complete the desired movement
- Main intersection and median U-turns can be designed with traffic signals, stop signs or yield signs

WHEN TO USE AN RCUT

An RCUT design is effective for the following scenarios:

- Median-divided highways
- Heavy through and left-turn traffic volumes on the main road
- Low through and left-turn traffic volumes on side streets