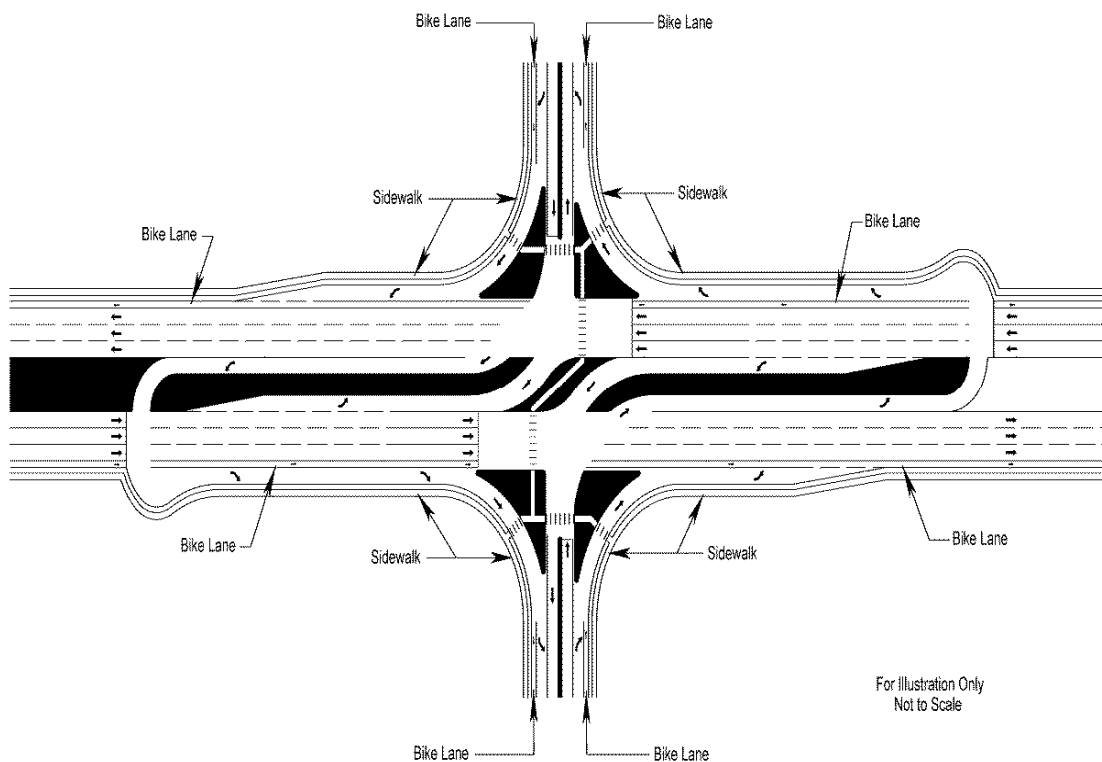


RESTRICTED CROSSING U-TURN INTERSECTION (RCUT) – (Also known as Superstreet Intersection, J-Turn Intersection and Synchronized Street Intersection)*

- Replaces side street direct left turns at an intersection with indirect left turns using a U-turn movement in a wide median.
- Eliminates left turns on both intersecting side streets. Left turns are provided on the major street.
- Can be signalized or unsignalized.
- Reduce the number of traffic signal phases and conflict points. When implemented as a corridor treatment, almost perfect signal progression is possible as the main intersection can be operated as two separate signals with the two major street direction phases operating independently of each other.
- Will usually result in improved intersection operations and safety.
- Distance of the secondary intersections from the main intersection should provide adequate taper and storage length for vehicles, signing, and sight distance. Recommend spacing the secondary intersections ± 660 feet from the main intersection.

For more information on the above mentioned Innovative Intersection Designs see:
http://www.virginiadot.org/FHWA-SA-14-040_RCUT_Informational_Brochure.pdf
http://www.virginiadot.org/info/alternative_intersection_informational_design_guides.asp
https://safety.fhwa.dot.gov/intersection/alter_design/



* Added 7/17