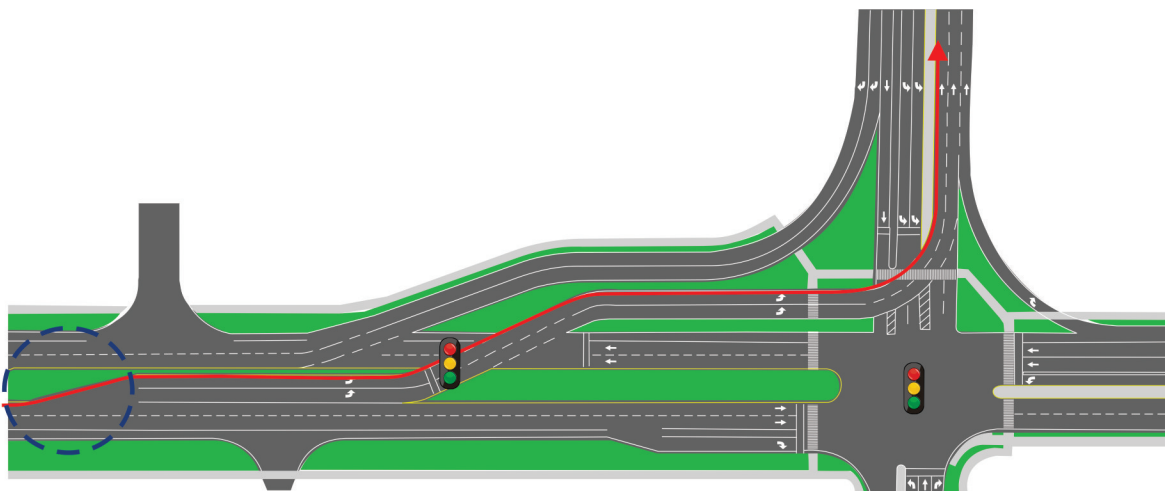


Innovative Intersection Alternatives

Displaced Left Turn



Benefits

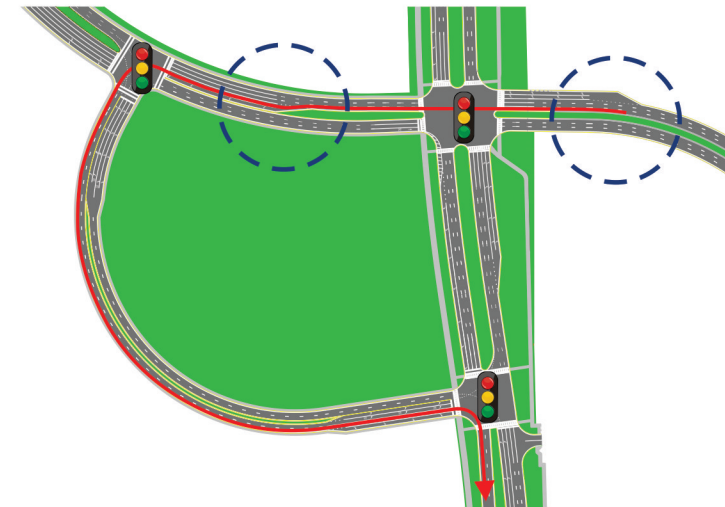
Improved Safety

- Reduces the number of potential conflict points where vehicles may cross paths
- Shifts left turns to proceed with the through movements which decreases the potential for more severe crashes such as right angle crashes

Increased Efficiency

- Simultaneous movement of protected left turns and opposing through movements allows for only two traffic signal phases rather than the typical four, which reduces delay
- Corridor travel times are improved by reducing traffic signal phases and synchronizing all other corresponding traffic signals, allowing through traffic to spend less time at a traffic stop

Quadrant Road



Benefits

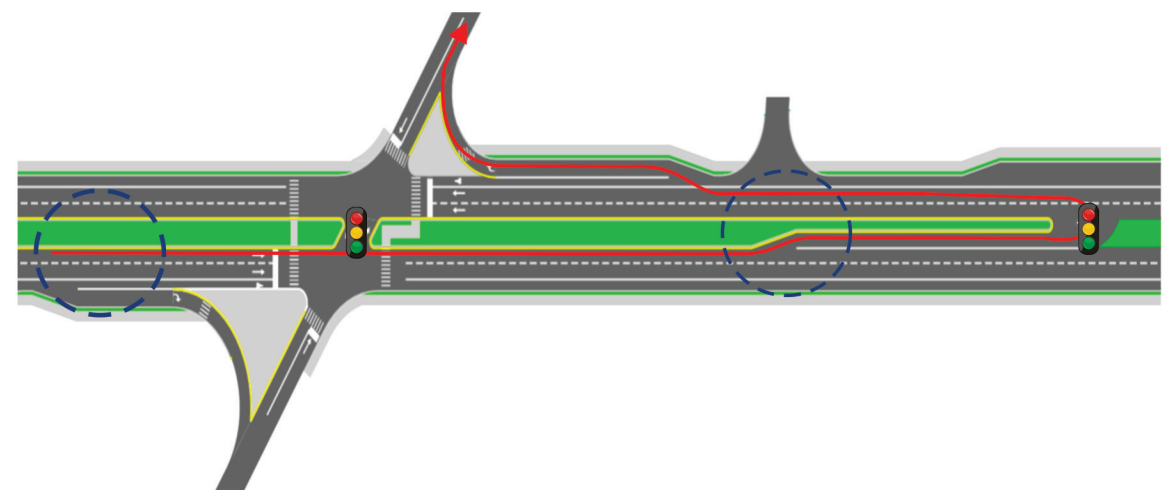
Improved Safety

- Reduces the number of potential conflict points where vehicles may cross paths
- Left turns occur at smaller off set intersections improving the severity of crashes

Increased Efficiency

- Eliminates all left turn movements from the main intersection, allowing for fewer traffic signal phases, which reduces delay and increases capacity
- Adds two additional signals to address the left turn movements

Median U-Turn (MUT)



Benefits

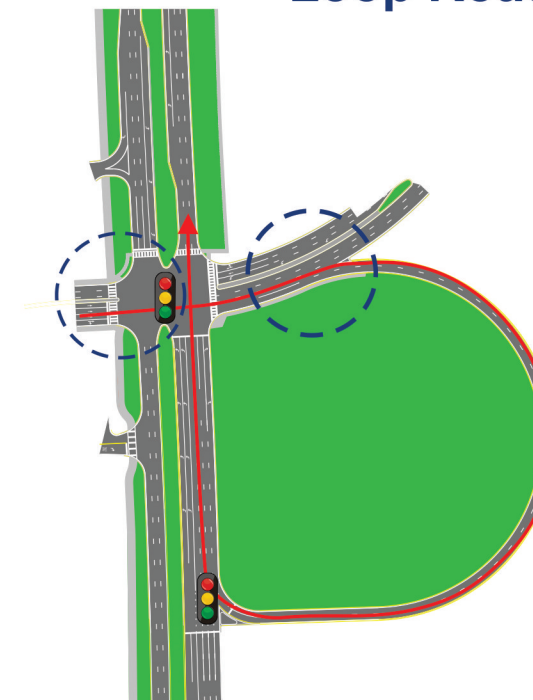
Improved Safety

- Reduces the number of points where vehicles cross paths
- Reroutes left turns to a u-turn, which decreases the potential for more severe crashes such as right angle crashes

Increased Efficiency

- Eliminates left turn movements for the main roadway allowing for fewer traffic signal phases, which reduces delay and increases capacity
- Improves operations and travel time by shifting traffic across the network

Loop Road



Benefits

Improved Safety

- Reduces the number of potential conflict points where vehicles may cross paths
- Shifts left turns to proceed with the through movements which decreases the potential for more severe crashes such as right angle crashes

Increased Efficiency

- Eliminates eastbound left turn from the main intersection, allowing for fewer traffic signal phases, which reduces delay and increases capacity

Legend

- ← Left Turn Movement
- Decision Point for Left Turn Movement