

ROUNDABOUT

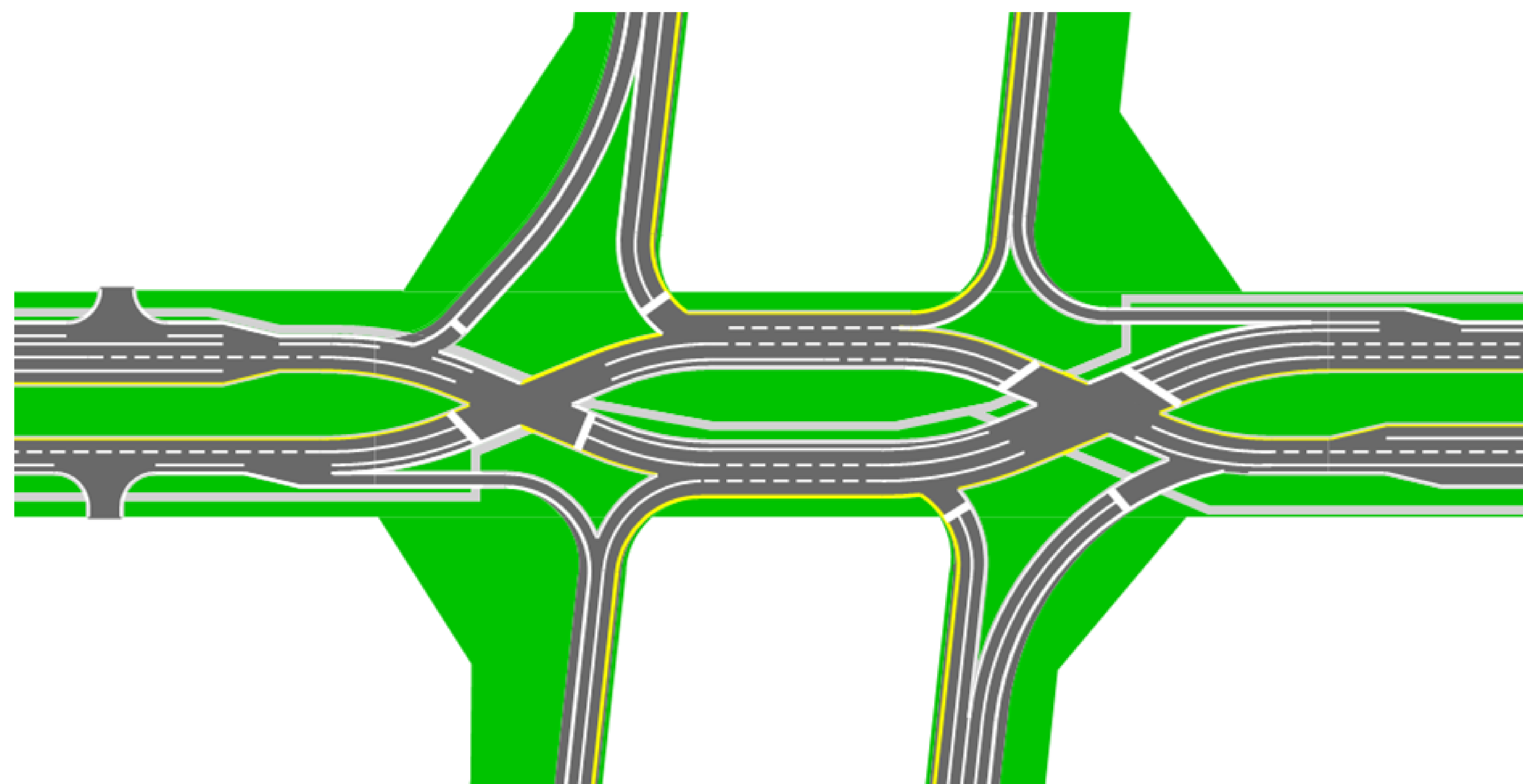
Benefits

Improved Safety

- Reduces the number of points where vehicles can cross paths and eliminates the potential for right-angle and left turn crashes
- Promotes lower vehicle speeds, giving drivers more time to react and reduces potentials for severe crashes

Increased Efficiency

- Yield signs upon entry mean fewer stops and fewer delays



DIVERGING DIAMOND INTERCHANGE (DDI)

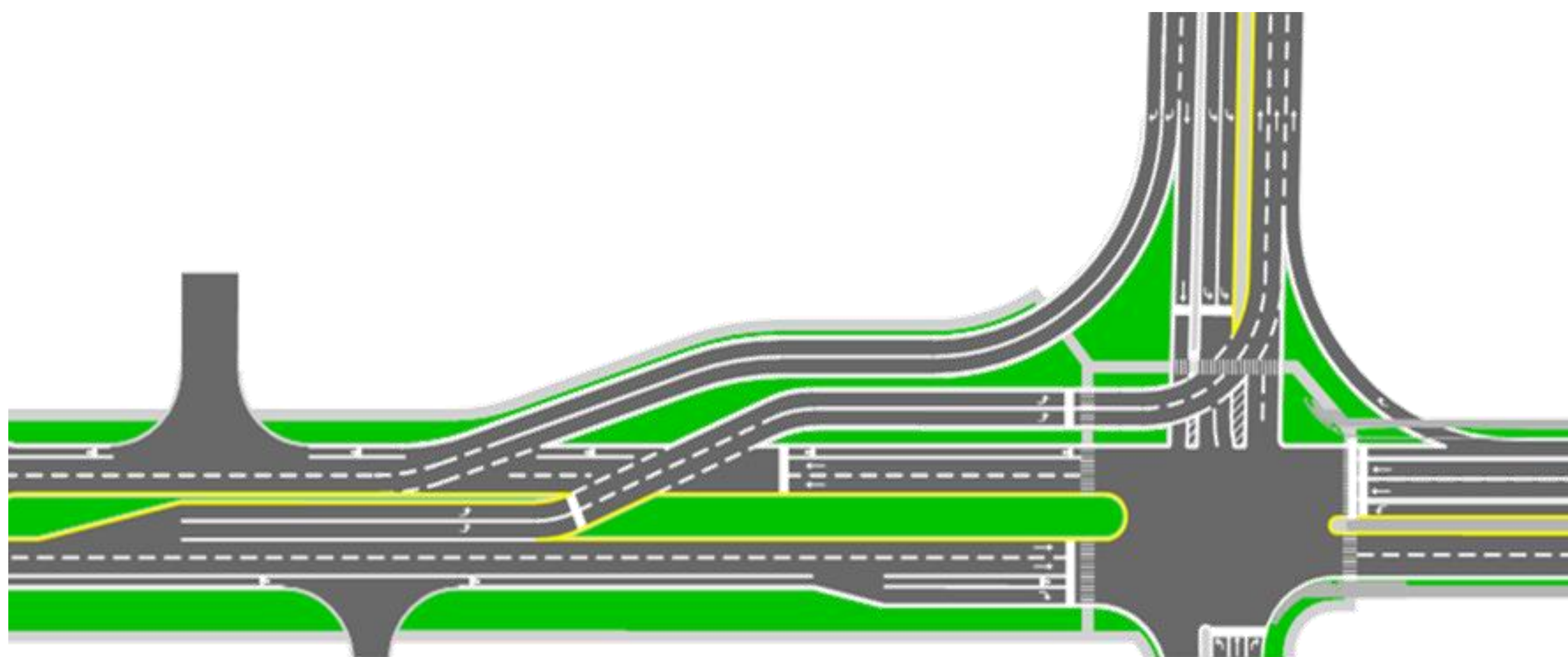
Benefits

Improved Safety

- Reduces the number of points where vehicles may cross paths

Increased Efficiency

- The lanes in a DDI cross over to the left side of the roadway, limiting the number of traffic signal phases
- This design allows drivers to make a left turn without crossing in front of oncoming traffic



DISPLACED LEFT TURN (DLT)

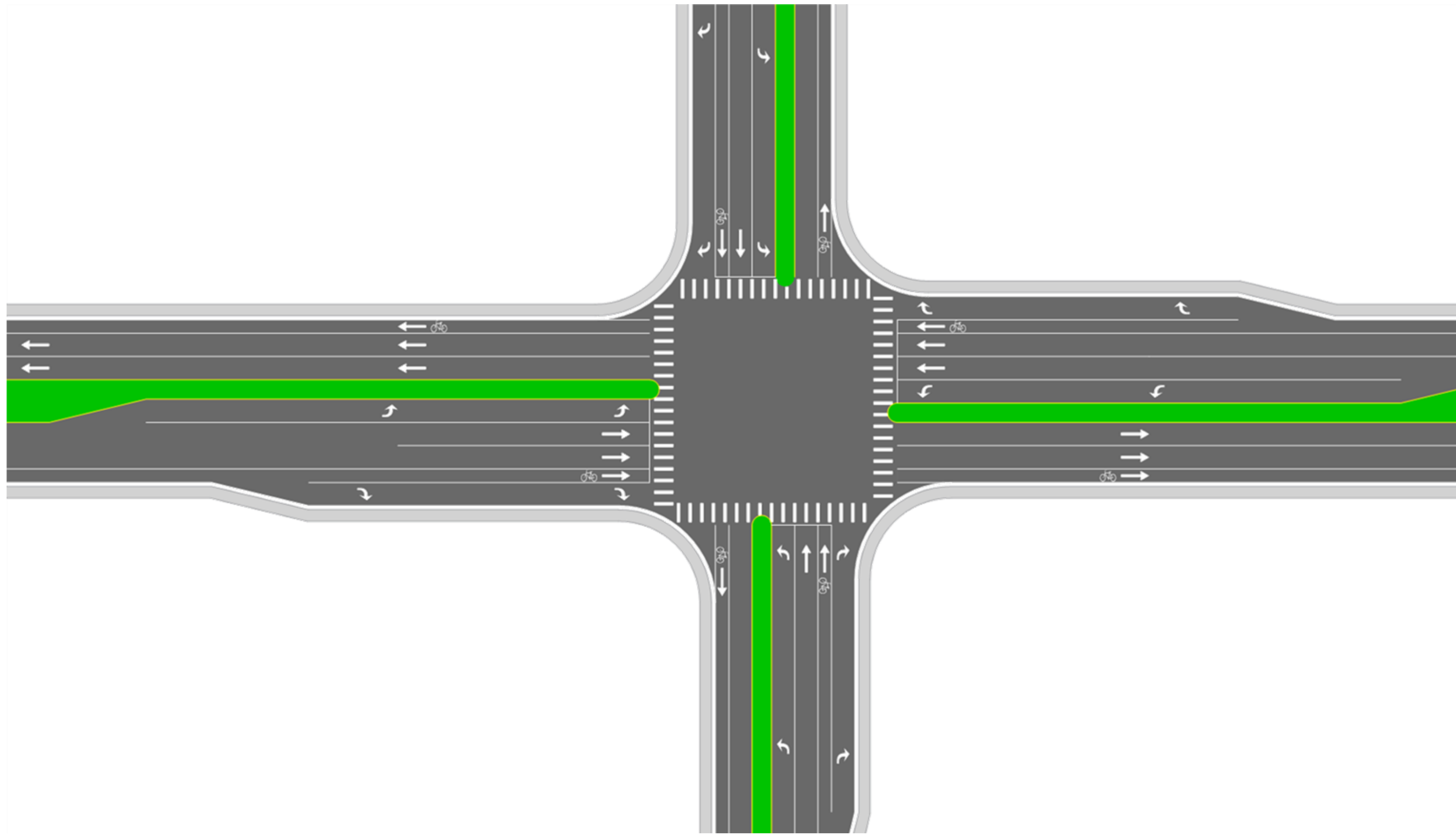
Benefits

Improved Safety

- Spreads out the number of potential conflict points where vehicles may cross paths

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



SIGNALIZED INTERSECTION

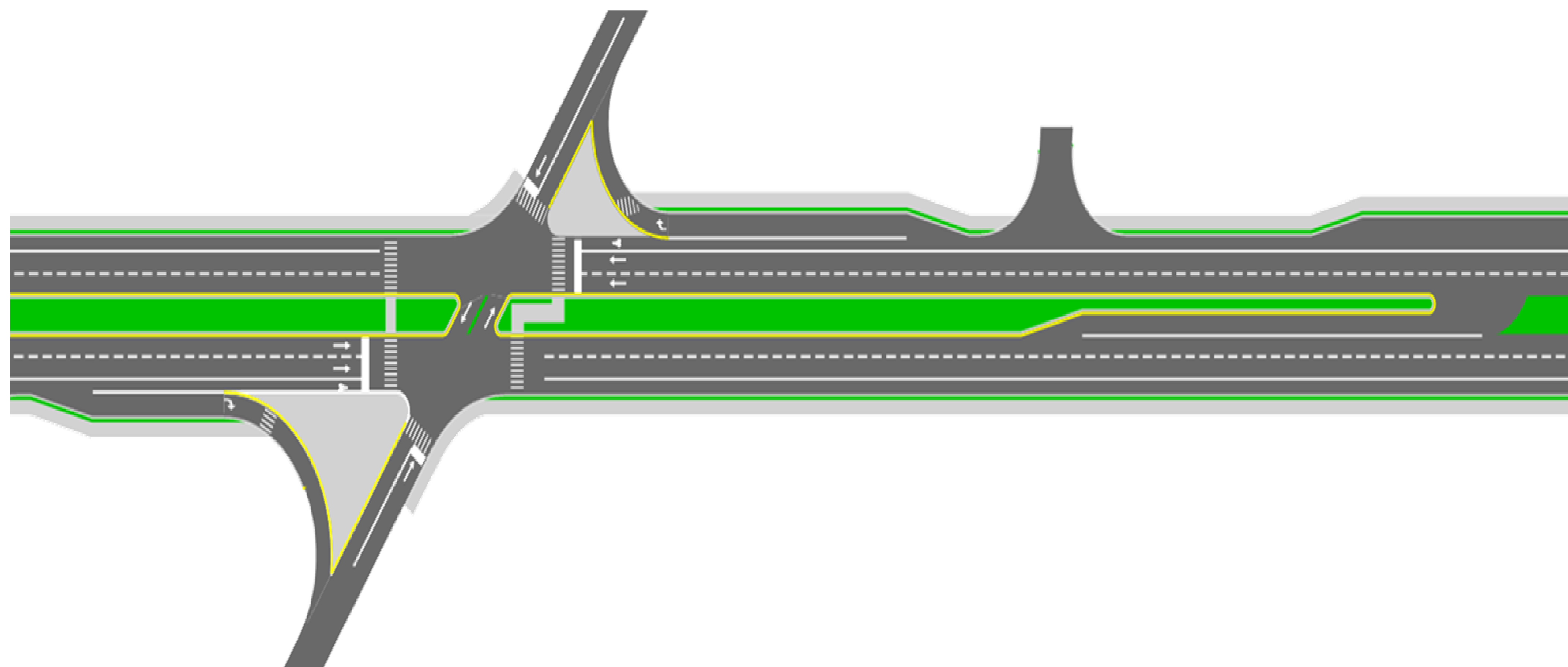
Benefits

Improved Safety

- Traditional intersection design meeting driver expectations
- Traffic signal phases provide safe turning movements, and safe pedestrian crossing

Increased Efficiency

- Decreases delay on the side streets



MEDIAN U-TURN (MUT)

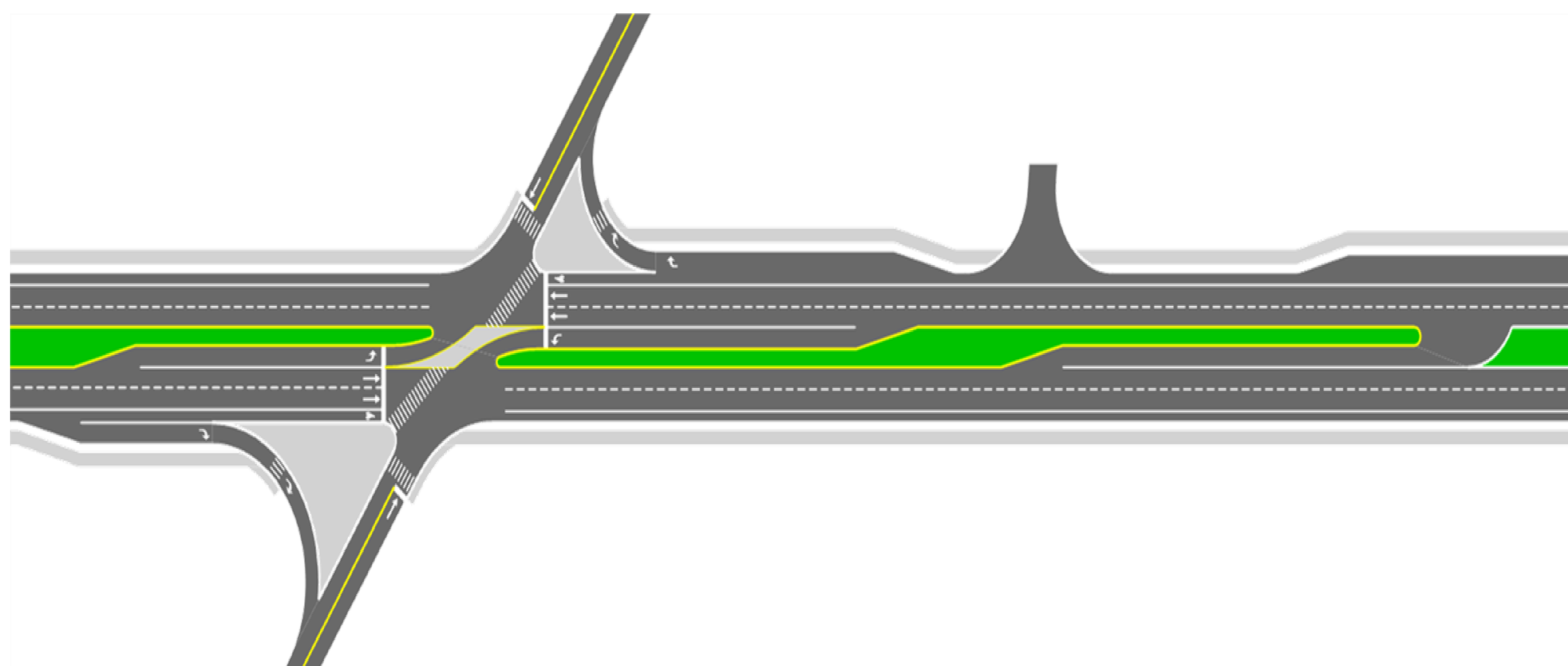
Benefits

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
- Fewer traffic signal phases means less time stopped at the main intersection



RESTRICTED CROSSING U-TURN (RCUT)

Benefits

Improved Safety

- Reduces the number of vehicular and pedestrian conflict points where collisions could occur
- Restricts movements that can lead to right angle or T-bone accidents, which can often result in serious injury

Increased Efficiency

- Eliminates left turn movements from the main intersection, allowing for fewer traffic signal phases, which reduces delay and increases capacity
- Reduces travel time through the intersection while accommodating a higher volume of traffic