

SAFERoad SOLUTIONS

EFFECTIVE ROAD DESIGNS EXPLAINED



Continuous Green T (CGT)



A Continuous Green T (CGT) is a three-sided intersection where motorists traveling in one direction on the top of the “T” (the main road) can travel straight through the crossing without stopping.

Jefferson County (US 150 at Interstate 265)

BENEFITS

- **Enhanced Safety** — CGTs channel left-turning traffic on the side street, which reduces the potential for angled crashes.
- **Increased Efficiency** — because one direction of travel on the major road is free-flow, more “green light” time can be provided to the other movements, reducing overall delays at the intersection.

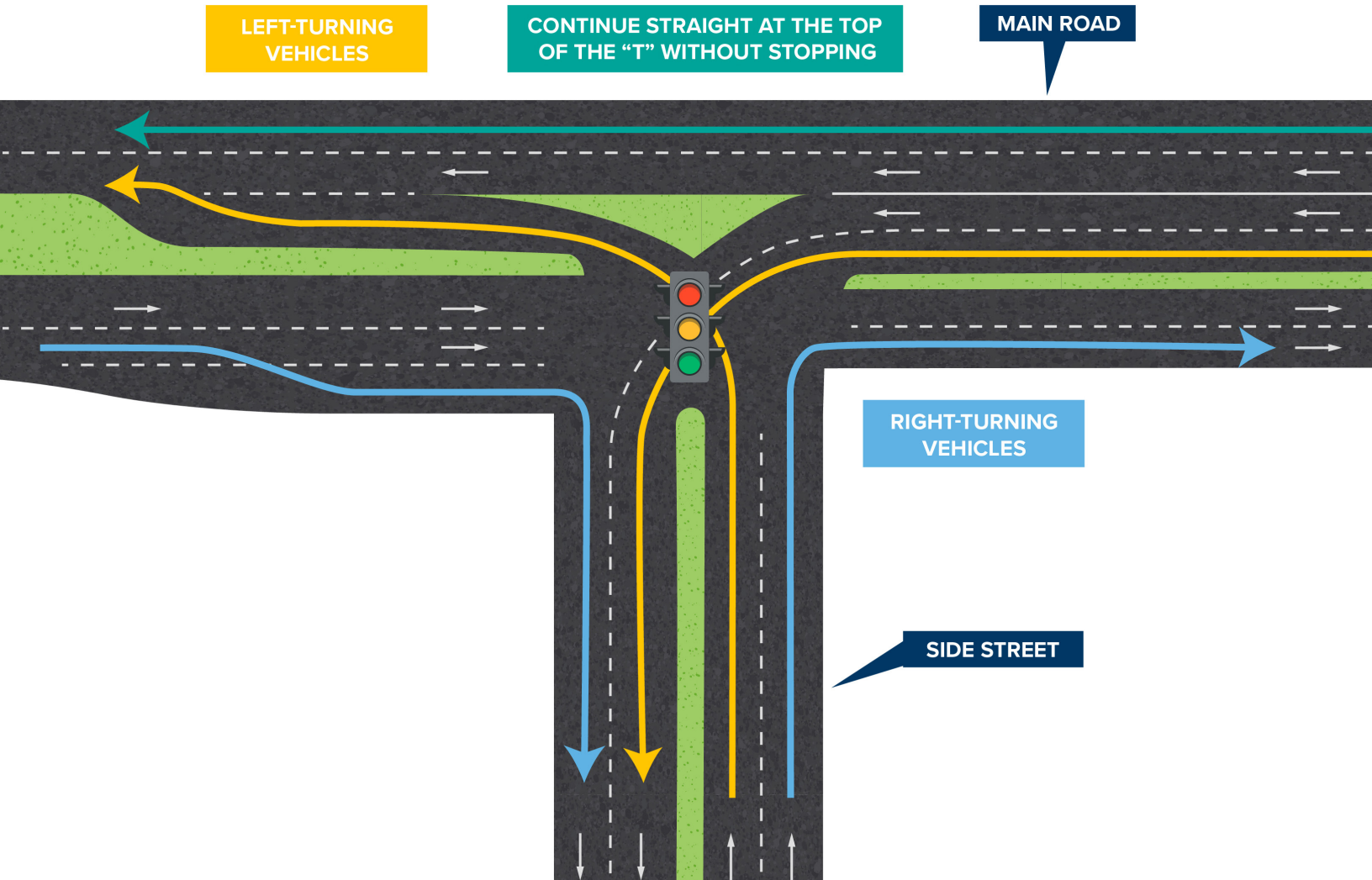


SAFERoad SOLUTIONS

EFFECTIVE ROAD DESIGNS EXPLAINED



Continuous Green T (CGT)



WHAT TO KNOW ABOUT CGTs

- This design prioritizes the highest need for traffic flow and direction, usually the direction with the highest number of vehicles.
- Channelized left-turn and right-turn lanes on all segments reduce congestion and wait times.
- Motorists traveling from the side street ease on to the main road whether turning left or right.

WHEN TO USE A CGT

A CGT design is effective for intersections with:

- High traffic volumes on the main road.
- Moderate-to-low traffic volumes on the connecting side street.