

NO TURN ON RED



Purpose

Reduces conflicts between turning vehicles and pedestrians and bicyclists.

Description

A sign or signal used to prohibit motor vehicles turning right when the traffic light is red.

Estimated Cost



Applicable Locations

Signalized intersections. Especially important at:

- Intersections with crossing guards or at school crossings.
- Intersections with inadequate sight distances.
- Intersections with bike facilities.

Applicable Street Types

- Downtown Boulevard

- Downtown Street
- Boulevard
- Major Highway
- Town Center Boulevard
- Town Center Street
- Neighborhood Connector

Safety Benefits

Eliminates conflict between right-turning vehicles and pedestrians and bicyclists traveling through.

Expected Crash Reduction

No turn on red is expected to significantly reduce crashes. One study found a 69 percent crash increase for non-motorized users where the right-turn prohibition was removed.³⁶

Design Guidance

- Install “No Turn on Red” signs (MUTCD R10-11) on each applicable approach.³⁷
- Dynamic electronic signs can be used to restrict right turns to certain times of day or during certain signal phases.
- Signs restricting right turns on red should be visible to motorists stopped in the curb lane at the crosswalk.

Additional Information

- May increase the number of right turn on green conflicts. May be used with a leading pedestrian interval (LPI) to address the increased numbers of vehicles turning right on green.

Considerations

- Research indicates that dynamic signs may be more effective at reducing motorists turning right on red.
- Restricting right turns on red during times of high pedestrian volumes may be sufficient.

Systemic Safety Potential

Restricting right turns on red can be used as a systemic safety improvement in areas with frequent conflicts between turning motor vehicle and bicyclists or pedestrians.

