



# Extend the Right-Turn Lane

*Increase the length of an existing right-turn lane to provide additional deceleration and storage area for turning vehicles.*

## Targeted Crash Types

- Rear-end (major road)

## Problems Addressed

- Poor operational performance
- Excessive intersection conflicts

## Conditions Addressed

- Right-turning vehicles frequently impede through traffic despite the existing right-turn lane.
- Crash history or observed conflicts between vehicles turning right and following vehicles.
- High right-turn volume.
- High speeds on major road.

## Considerations

- Extending the lane may require additional right-of-way and utility relocation.
- Length of right-turn lane is based on the entering taper, deceleration length, and storage length.

## Industry Standard

*AASHTO Green Book*  
Section 9.7: Auxiliary Lanes

## Other Resources

[NCHRP 500 Volume 5: A Guide for Addressing Unsignalized Intersections](#)

