



Install a Right-Turn Acceleration Lane

An auxiliary lane that allows right-turning vehicles from the minor road to accelerate along the major road before merging into the through lane.

Targeted Crash Types

- Right-angle
- Rear-end (major road)

Problems Addressed

- Excessive intersection conflicts
- Poor operational performance

Conditions Addressed

- Crash history or observed conflicts due to speed differential of entering right-turn vehicles and through vehicles.
- High right-turn volumes onto major road.
- High running speeds on major road.
- Crash history or observed conflicts involving trucks or other large vehicles entering higher-speed major road.

Considerations

- Acceleration lanes that are poorly marked or too long may confuse other drivers and appear as an additional through lane.

Industry Standard

AASHTO Green Book
Section 9.7: Auxiliary Lanes

Select Examples

[US 13 & US 264 Alt., Farmville, NC](#)

Other Resources

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

