



Install Wider Longitudinal Pavement Markings

Increasing the width of center line, lane line, and/or edge line pavement markings on an intersection approach to better delineate the travel lanes and attract attention to the intersection ahead.

Targeted Crash Types

- Right-angle
- Rear-end (major road)
- Sideswipe, opposite direction
- Sideswipe, same direction
- Head-on

Problems Addressed

- Inadequate visibility of intersection or intersection traffic control devices
- Inadequate motorist guidance
- Speeding

Conditions Addressed

- Crash history or observed conflicts due to lack of awareness of the intersection or intersection traffic control.
- Crash history or observed conflicts due to vehicles encroaching upon the center line or edge of roadway.

Considerations

- Typical standard widths of lane lines are 4 to 6 inches.
- Determine the start of treatment based on the deceleration distance from the intersection (see AASHTO Green Book for deceleration distances).
- Coordinate the start of the wider markings with the location of the advanced warning sign.

Industry Standard

MUTCD

[Section 3A.06: Functions, Widths, and Patterns of Longitudinal Pavement Markings](#)

Other Resources

[NCHRP 613: Guidelines for Selection of Speed Reduction Treatments at High-Speed Intersections](#)

[Pavement Marking Demonstration Project: State of Alaska and State of Tennessee](#)

[An Evaluation of the Effectiveness of Wider Edge Line Pavement Markings, American Glass Bead Manufacturer's Association](#)

