ADVANCE STOP LINES

Purpose

Increase the likelihood that motorists stop for pedestrians and bicyclists at uncontrolled crossings by making the crossings more visible.

Description

Pavement markings placed between 20 and 50 feet in advance of uncontrolled crossings.

Estimated Cost

$ $$ $$$ $$$$

Applicable Locations

Advance stop markings are an option at many uncontrolled or unsignalized crossings, including:

- At intersection and midblock crossings

- Uncontrolled multi-lane crossings, with at least two lanes in one direction[3]

Applicable Street Types

All street types.

Safety Benefits

- Increases visibility of crossing bicyclists and pedestrians to motorists.

- May increase driver stopping for pedestrians.

- May reduce multiple threat crashes.

- Reduces conflicts between pedestrians and motorists.

- May reduce conflicts between bicyclists and motorists.

- May increase effectiveness of other safety treatments, such as when paired with "Stop Here for Pedestrian" signs.

Expected Crash Reduction

25 percent for vehicle-pedestrian crashes.[4]

Design Guidance

• Place on all approaches to the uncontrolled crossing.

• Mark crossing with high-visibility crosswalk markings.

• Install pedestrian warning signs (MUTCD W11-1, W11-2, W11-15, or S1-1).[5]

• Restrict parking within 20 to 50 feet of the crosswalk to improve visibility.

• Use markings in conjunction with an appropriate regulatory sign (e.g. Stop Here for Pedestrians MUTCD R1-5 series).[6]

Considerations

• Motorists may ignore markings placed too far in advance of the crosswalk.

• Use a regulatory sign with the advanced stop markings to aid with compliance.

Systemic Safety Potential

Potential for systemic implementation at all uncontrolled marked crossings of roadways with at least four lanes and posted speeds of at least 30 mph.

Additional Information

• FHWA Guide for Improving Pedestrian Safety at Uncontrolled Crossing Locations

• Manual on Uniform Traffic Control Devices