## (ia)

## Leading Pedestrian Intervals

## SAFETY BENEFIT:

## 60\%

Reduction in pedestrian-vehicle crashes at intersections


LPIs are beneficial at intersections with high left-turning volumes.
Source: pedbikeimages.org / Burden

A leading pedestrian interval (LPI) gives pedestrians the opportunity to enter an intersection 3-7 seconds before vehicles are given a green indication. With this head start, pedestrians can better establish their presence in the crosswalk before vehicles have priority to turn left.

LPIs provide the following benefits:

- Increased visibility of crossing pedestrians.
- Reduced conflicts between pedestrians and vehicles.
- Increased likelihood of motorists yielding to pedestrians.


An LPI allows a pedestrian to establish presence in the crosswalk before vehicles are given a green indication.

Source: FHWA

- Enhanced safety for pedestrians who may be slower to start into the intersection.

FHWA's Handbook for Designing Roadways for the Aging Population recommends the use of the LPI at intersections with high turningvehicle volumes. Transportation agencies should refer to the Manual on Uniform Traffic Control Devices for guidance on LPI timing. Costs for implementing LPIs are very low, since only signal timing alteration is required. This makes it an easy and inexpensive countermeasure that can be

Source: pedbikeimages.org / Burden
 incorporated into pedestrian safety action plans or policies and can become routine agency practice. 2198 (2010): 15-22. DOI: 10.3141/2198-03

# $\rightarrow$ For more information on this and other FHWA Proven Safety Countermeasures, please visit https://safety,fhwa.dot.gov/provencountermeasures. 

