

LEADING PEDESTRIAN INTERVAL

What are leading pedestrian intervals (LPIs)?

LPI, sometimes called “pedestrian head start” or “delayed vehicle green”, is a simple signal timing change that gives people walking 3 to 7 seconds earlier to **begin crossing the street before cars** get a green light.



How do LPIs improve safety?



Reduces potential conflicts between pedestrians and turning vehicles.



Increases visibility of crossing pedestrians, especially children or people using wheelchairs, as they enter the intersection.



Increases chance of cars yielding to pedestrians.

Low-Cost & High-Impact Solution

LPIs are a low-cost safety fix—just a quick signal timing change that makes streets safer without building anything new.



Where are LPIs appropriate?

- A lot of people walking near schools, transit or busy areas.
- High volumes of vehicles turning at crosswalks.
- History of crashes between cars and people crossing.
- Skewed intersections with poor visibility.
- Slower walkers or children.



Did you know?

LPI implementation has led to



13%

Reduction in pedestrian crashes

(Source: FHWA)

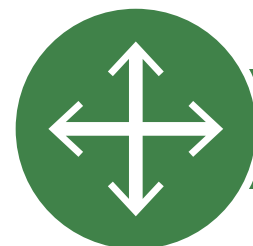


Do LPIs increase congestion?

No!



Even potential crashes can lead to delays. Smooth pedestrian crossings offset slightly shorter green lights for drivers.



How have LPIs changed Florida intersections?

Tampa

- LPIs were installed at two busy intersections.
- During the LPI phase, **10% to 25% more** drivers **stopped** for people crossing.
- Overall **3 to 5% more** drivers **yielded** during the full Walk signal.

(Source: FDOT)

Miami

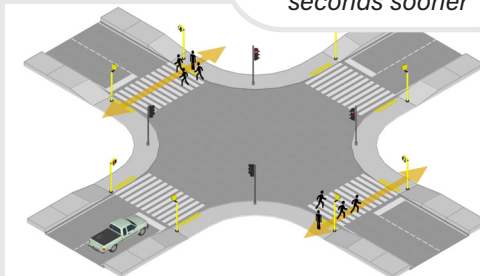
- LPIs were installed at two downtown intersections.
- **9-18% more** left turning drivers **stopped** for pedestrians.
- **21-31% more pedestrians started crossing** in the first 4 seconds of the Walk signal.

(Source: FDOT)

No LPI
1. Pedestrians and vehicle enter the intersection at the same time and increase risk of conflict.



With LPI
2a. Pedestrians enter the crosswalk a few seconds sooner



2b. Drivers get green light later and can see and yield to crossing pedestrian already in the intersection.

