

City of Mississauga
Memorandum



Date: 2024/02/12

To: Road Safety Committee

From: Zvonimir Miller, Acting Manager Traffic Signals & Systems

Meeting Date: 2024/02/27

Subject: Leading Pedestrian Signals (LPI) – (also referred to as Pedestrian Head Start Signals)

Thank you for your enquiry regarding Leading Pedestrian Interval (LPI) at the last Committee meeting, in particular, the LPI being displayed without the pedestrian push button be pressed. As a result, staff provide the following information.

For your information, the Leading Pedestrian Interval is only programmed at intersections equipped with Audible Pedestrian Signals (APS) to ensure safety for those with accessibility needs. To date, the LPI has been programmed at approximately 180 intersections within Mississauga. In addition, the majority of intersections where the LPI is programmed operate semi-actuated, meaning that pedestrians are not required to press the push button, to display the LPI, when crossing the minor roadway. However, in order to display the LPI when crossing the major roadway, pedestrians are required to press the push button.

There are intersections where the pedestrian 'walk' and flashing 'don't walk' indications are displayed, regardless of demand. These intersections are in located in areas where there are a high number of pedestrians, such as, the City Centre area, schools or near the transit terminals. Today, there are approximately 100 signalized intersections where the pedestrian 'walk' and flashing 'don't walk' indications are displayed, regardless of demand. This type of operation is referred to as fixed time and intersections should only operate fixed time when pedestrian volumes justify this type of operation.

We consider all City strategic priorities, including environmental impacts, when implementing a change such as this one. The safety improvements from Leading Pedestrian Interval has been proven to be a simple, cost effective change that has significant impact on safety with minimal external impacts.

Zvonimir J. Miller, C.E.T., Acting Manager, Traffic Signals and Systems