Intersection – Pedestrian Pedestrian crossings

Safety standard
Pedestrian crossings to be provided on all approaches at signalised intersections. Pedestrian crossing protection (delayed start to vehicle movements) is required.

Safety countermeasure

Pedestrian crossings on all approaches of a signalised intersection provide opportunities for pedestrians to cross safely and discourage unsafe crossing movements (Figure 1).

Currently, not all approaches of signalised intersections in Queensland have formal pedestrian crossings. This can result in people making unprotected crossings, which increases the likelihood of a pedestrian-vehicle crash at the intersection.

Pedestrian crossing phases
Pedestrian and bicycle rider surveys and counts should help determine appropriate intersection cycle times. This will encourage cycle times to be appropriate for the situation. For example, ensuring shorter cycle times in high-pedestrian activity areas.

Pedestrian crossing protection
Pedestrian crossing protection shall be provided to delay the start of vehicle movements at intersections where left or right-turning vehicles could conflict with pedestrian movements. The length of the delayed start depends on the type of pedestrians using the crossing, the flow of pedestrians and the flow of the vehicles. However, as a minimum, vehicles should be delayed at least four seconds to allow pedestrians to begin walking on the crossing before vehicle movements can begin.

Safety outcome

These pedestrian safety countermeasures are estimated to reduce pedestrian-vehicle crashes at intersections by 40%. Pedestrian crossing protection may result in small traffic delays but can provide significant safety benefits at signalised intersections by:

- Reducing conflicts between pedestrians and vehicles
- Increasing the likelihood of motorists giving way to pedestrians
- Enhancing safety for pedestrians who may be slower to enter the intersection.

For guidance, refer to the Traffic and Road Use Management (TRUM) manual Volume 1 Part 9 Traffic Operations.

This fact sheet is designed to assist the implementation of 13 safety standards for new and upgraded infrastructure on Queensland’s state-controlled roads, as per the department’s Road Safety Policy (2018, Appendix A). While every care has been taken in preparing this publication, the State of Queensland accepts no responsibility for decisions or actions taken as a result of any data, information, statement or advice, expressed or implied, contained within. To the best of our knowledge, the content was correct at the time of publishing.