



1 Austroads Pedestrian Facility Selection Tool – Desk Use 2 Austroads Pedestrian Facility Selection Tool – Street Use

Pedestrian Facility Selection Tool

Project Location: Australasia

Abley Transportation Consultants for Austroads

Disciplines: Traffic Engineering



Selecting the most appropriate type of pedestrian crossing for a given road sounds simple, but it can actually be quite difficult. This difficulty is because there are vastly different road operating environments, and because a practitioner's perception of 'appropriateness' can be vastly different to a user's perception of 'appropriateness'. Installing the wrong type of facility in a given location can be fraught and may encourage pedestrians to cross unsafely, reduce vehicle compliance or cause undue delay to pedestrians and drivers.

With no consistent guidelines in Australia and an economic-focused approach in New Zealand there was a clear technical void when selecting the appropriate pedestrian crossing facility for a variety of road environments. As such, the overarching Australian and New Zealand technical governance group, Austroads, invited Abley Transportation Consultants (Abley) to create a technically excellent user-friendly, Pedestrian Facility Selection Tool.

A particularly innovative feature of the model is that it combines the level of service experienced by pedestrians, their safety implications and economic factors such as vehicle and pedestrian delay – an approach that has not been seen anywhere else. The tool provides increased uniformity of design across Australia and New Zealand and the creation of better road environments appropriate for walking.

The process of developing the tool was challenging given the complex study area including human behaviour, dealing with eight jurisdictions covering two countries, IT requirements and presentation requirements.

The project was delivered on time and within budget and Austroads has endorsed this application given the success for the project delivery and quality of the final deliverables.

Judging & Copyright Statement

This project is a Finalist entry in the 2016 INNOVATE NZ Awards of Excellence competition. The winners will be announced on Friday 2 September, 2016.

Images and text remain copyright of ACENZ and the consultant firm entering the project. Users are asked to give credit to the photographer where this is specified. ACENZ and INNOVATE NZ are trademarks of the Association of Consulting Engineers New Zealand.