RPD418 Designing for Pedestrians and Cyclists

Overview

This program is designed to provide in-depth knowledge and develop skills in the application of current best practice pedestrian and cycling provision as part of the road transport system, including comprehensive exposure to basic engineering treatments and principles.

Field work, tutorials and real life workshop exercises form the basis of this program.

Target audience

Traffic/Transport planners, engineers, designers and consultants

Prerequisites

Knowledge of road design and operation

Business benefits

Planning, engineering and design staff participating in this program will walk away with a sound working knowledge of current best practice in pedestrian and cycling provision and how to include walking and cycling in their ongoing work in the road transport field.

Duration

Two (2) days run consecutively

Program outcomes

At the completion of this program participants will be able to:

1. integrate the fundamentals of walking and cycling facilities provision, into design and planning processes
2. apply appropriate traffic engineering principles to walking and cycling facilities provision and practices
3. apply and integrate knowledge of a range of design issues into the planning, design, construction, management and maintenance of facilities
4. display enhanced confidence in decision making processes.

Day 1 program content

- Why walking and cycling matter
- Including pedestrians and cyclists in the transport system
- How can we design for pedestrians and cyclists?
- Practicalities of walking and cycling – field research and discussion (on foot and by bicycle)

Day 2 program content

- Facilities for pedestrians
- Mid-block facilities for cyclists
- Intersection facilities and signing for cyclists
- Key resources and references
- Pedestrian design assignment field research
- Bicycle road redesign assessment project

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