

RPD 403 Design of Pedestrian and Cyclist Bridges

Overview

This program is designed to build knowledge and develop skills in the specialist field of Bicycle/Pedestrian only Bridges.

It includes guidance and case studies on Bicycle/Pedestrian only Bridges, with a strong focus on innovation and achieving value for money in bridge design and construction. Bridge visits, sharing of information, discussion of past experiences, classroom based activities, and redesign exercises form the basis of this program.

Target audience

All personnel who are involved in bridge design and construction who wish to:

- specialise in Bicycle/Pedestrian only Bridges
- learn about the latest innovation in bridge design and construction
- learn about options to achieve value for money in bridge design and construction.

Prerequisites

It is desirable for participants to have an existing sound knowledge of bridge design and construction.

Business benefits

Planning, design, construction and engineering personnel participating in this program will gain a sound working knowledge of the specific requirements and options for Bicycle/Pedestrian only Bridges. Participants will also be more confident in identifying efficiencies and life cycle cost factors affecting value for money outcomes whilst providing vital infrastructure with limited resources to meet business requirements.

Duration

One (1) day

Program outcomes

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

1. integrate technical guideline “*Options for Designers of Pedestrian and Cyclist Bridges to achieve value for money*” into the planning, design and construction of Bicycle/Pedestrian only Bridges
2. incorporate and apply their knowledge of fit for purpose, value for money, and innovation approaches to planning and design processes that will satisfy the needs of a project
3. display confidence in decision making processes directly related to the planning, design and construction of bicycle/pedestrian only bridges.

Program content:

- Bridge cost factors
- Bridge design issues
- Fit for purpose and/or value for money
- Bridge innovation opportunities
- Site visits and field inspections with facilitated on-site discussions.
- In class exploration of participant examples and current projects.
- Discussion of recent Transport and Main Roads bicycle/pedestrian only bridge projects.