



Road Design Considerations

Overview

This program is designed to further develop knowledge and skills in the principles and standards of road design and their application in design projects.

Content also extends into the consideration of additional environmental aspects of design that contribute to the development of road design solutions. The course involves interactive lectures, discussion, and exercises that form the basis of this program.

Target audience

All personnel working in the field of road design, such as technologists, technicians, and engineers.

Prerequisites

It is recommended to complete the Road Design Geometrics course.

Business benefits

Personnel attending this program will depart with enhanced knowledge and skills in fundamental road design and how to apply various design standards with recognition of acknowledging additional environmental considerations contributing to successful project management.

Duration

One (1) day.

Program outcomes

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

1. Further knowledge of design and its domain as part of their role as a designer or engineer.
2. Interpret and incorporate additional key aspects of geometrical road design fundamentals to TMR projects including environmental management.
3. Recognise design problems and develop appropriate solutions for assessment.
4. Employ techniques to ensure safe design practice and construction.
5. Contribute to a design team.

Program content

- Aquaplaning analysis
- Traffic management
- Environmental and local considerations
- Safe systems approach
- Safety in design
- Quantities and schedules
- Project management