



# Extended Design Domain and Design Exception Parameters

## Overview

This advanced program enhances knowledge in the use of Extended Design Domain and managing Design Exceptions. It covers the integration of relevant design parameters and values to enable appropriate road designs to be produced.

Interactive lectures, discussion, real life case studies and exercises form the basis of this technically focused program.

## Target audience

The course is primarily aimed at personnel working in the development of road designs. This includes experienced road designers, engineers and technicians from TMR, consultancies and local authorities.

## Prerequisites

Knowledge of road design and operation. Completion of the Design Philosophy and Domains Awareness and Extended Design Domain and Design Exception Concept and Reporting Awareness online courses.

Those that have previously attended the Design Philosophy and Domains Concept and Reporting course are not required to complete the online courses.

## Business benefits

Road design staff participating in this program will walk away with expanded technical knowledge of extended design domain parameters and potential design exception strategies to assist in their roles.

## Duration

Two (2) days run consecutively.

## Program outcomes

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

1. interpret, consider, and produce designs within the Extended Design Domain or as Design Exceptions as part of geometrical road design for Transport and Main Roads' projects
2. recognise, analyse, and design context sensitive solutions to address concerns faced during the road design process
3. display enhanced confidence in decision making processes directly related to overall road design within the Extended Design Domain and Design Exceptions context.

## Day 1 Program content

- Cross sectional elements
- Sight Distance Parameters
- Midblock design
- Horizontal curves design
- Vertical Curves design.

## Day 2 Program content

- Intersection design
- Minima Combination
- Case study investigation and examples
- Opportunity for trainees to present examples for discussion.