

# Introduction to Junction Design Ireland



## Course Overview

Attending this two-day course will provide engineers entering the field of highway design with an understanding of the principles behind designing the most common forms of junction control used on public roads. It is also aimed at those who are involved in development regulation in order to assist them in assessing the adequacy of proposed junction types and layouts.

## Aims and Objectives

The aims and objectives of this course are for delegates to gain working knowledge of design guidance and to understand how to apply the guidance in a variety of situations. Delegates will also be able to design and appraise priority junctions, roundabouts and mini-roundabouts and to understand how design factors affect capacity and safety.

## Topics Covered

This two-day course includes the following topics:

### Day One

#### General principles of junction design

- Design objectives
- Selection of junction type

#### Safety issues and designing for VRU's at junctions

- Tactile paving layout
- Gradients
- Desire lines

#### Principles of priority junction design

- Typical layouts
- Siting the junction
- Geometric features

#### Priority Junction Workshop

### Day Two

#### Types of roundabout

#### Principles of roundabout design

- Geometric design
- Road markings / signs
- Segregated left turn lanes
- Compact roundabouts

#### Principles of mini-roundabout design

- Geometric design
- Road markings / signs

#### Roundabout Workshop



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## Certification

Delegates completing this course will receive a CPD certificate of attendance, recognised by both the IHE and CIHT.

## Course Fees

€740 (euros)

Course fee includes all course handouts, CPD attendance certificate, lunch and refreshments.

The course fee does not include travel or accommodation

## Booking

To make a booking on the course please choose from the following options (via our website):

- Download Booking Form
- Online booking



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