

# A basic introduction to Traffic Signal Terminology, Calculations and How Signals Work

**Tuesday 13th November 2018**

**Edinburgh Training & Conference Venue**

Duration: 1 day

Price: £295 (exc. VAT)

## Overview

This course is designed to provide anyone whose work involves traffic modelling with a concise grounding in the most important traffic signal concepts. The correct modelling of traffic signals is vital in any traffic model and to achieve this it is important that traffic modellers understand how traffic signals work and are designed. This course is based on our more comprehensive two day Introduction to Traffic Signals course but concentrates on subjects of most interest to traffic modellers to allow the course to be completed in one day. The course covers basic concepts and does not cover any details of how traffic signals are modelled in modelling software.

## Who Should Attend

This course is suitable for anyone involved in traffic modelling and who are new to traffic signals or would like to refresh their understanding of important traffic signal concepts. It is suitable for complete beginners and no prior knowledge of traffic modelling or traffic signals is required. This course also provides all of the pre-requisite knowledge required for anyone looking to complete one of our LinSig courses.

For anyone involved more generally with traffic signals, for example in an operational role, our Introduction to Traffic Signals two day course will provide a more comprehensive introduction to a wider range of topics.

## Pre-requisites

This course is suitable for complete beginners and no prior knowledge is required.

## Course Content

The course is aimed at providing a good grounding in the most important traffic signal concepts which traffic modellers will encounter when building or checking traffic models.

- Traffic Signal Terminology.
- Traffic Signal Theory and Calculations.
- How Traffic Signals Work.
- Traffic Signal control strategies.
- Providing for Pedestrians and Cyclists.

## Accreditation

All JCT courses are Approved or are pending Approval by the Institute of Highway Engineers and attendance is therefore recognised by the IHE and many other bodies as evidence of Continual Professional Development (CPD).

Courses are managed under a ISO9001 Quality Management System.

## Dates & Times

This course will run from Tuesday 13th November 2018 and last for 1 day.



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The following schedule should apply although all times are provisional and subject to change as required on the day:

Day 1: 09:15 - 17:00.

### **Course Venue**

Venue: Edinburgh Training & Conference Venue

Location: Edinburgh

Venue website: [www.edintrain.com/](http://www.edintrain.com/)

Address of venue: 16 St Marys Street, Edinburgh

Venue postcode: EH1 1SU

### **How to get there:**

#### **Parking**

If you are arriving by car, then there are three multi-storey car parks just a few minutes walk from Edinburgh Training and Conference Venue. We have a concessionary rate at the St John's Hill NCP car park, to get a 10% discount you just need to get your parking ticket validated by our receptionist.

#### **Arriving by air at Edinburgh Airport:**

Outside the main airport terminal there is a rank for airport taxis. For a more personalised service at a fixed price pre-book with Castle Private Hire on 0131 476 6363, they have a fleet of vehicles that can carry 1 to 16 passengers. Even if your flight is delayed they will be there to meet and greet you at no additional cost.

#### **Arriving by taxi:**

You can pick up a black taxi by visiting one of the many ranks located in Edinburgh, hail one in the street or order one by phone.

We would advise you to give clear instructions to the taxi driver and specify that the venue is situated on St Mary's Street. That way, you won't run the risk of ending up at one of the other conferencing venues in Edinburgh (as has unfortunately happened to some of our previous delegates).

Our address is in Central Taxi's booking database. By choosing them, you can be sure you will be heading straight here. Their telephone number is 0131 229 2468.

#### **Arriving by rail at Waverley Station:**

Leave the station by the steps to Market Street (or by the main pedestrian exit to Waverley Bridge, turning left then left again into Market Street). Cross Market Street along from the City Art Centre and turn left, going under the large decorated bridge. Bear right into Jeffrey Street past Jury's Hotel to the junction (traffic lights) with the High Street. Cross the High Street into St Mary's Street (continuation of Jeffrey Street) and the training centre is down the hill on the left (situated between Slanji and the Present Shop).

#### **Arriving by Tram:**

If you are taking the tram from any stop in Edinburgh or the Airport, please ensure you buy your ticket before boarding the tram, or you will be fined £10. There are two stops near the Venue:

- St Andrew Square: Head down the hill towards Princes Street, where you will see Waverley Train Station and can follow the walking directions from there.
- Princes Street: Walk past the National Gallery, which is across the road, towards Waverley Train Station, from where you can follow the walking directions.

#### **Arriving by car from the West:**

From the M8, approaching the Hermiston Gait junction take the city bypass north to the major 'Gogar' roundabout then follow the signs for the city centre;



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From the M9 follow signs for Edinburgh city centre, through the underpass to the Maybury junction. Continue past PC World (right) and the Zoo (left) ? remember to stay off the bus lanes! Shortly after passing Haymarket Station on your right, go straight ahead at the next junctions, soon passing a church (tall steeple) on the left and lots of shops both sides (Habitat on left). Turn right at next junction (Frasers store on left, Caledonian Hotel on right) into Lothian Road.

Turn left at the third set of lights into Bread Street, then go ahead down West Port through the Grassmarket. Continue straight ahead along Cowgate to the the lights at the junction of Pleasance / St Mary?s St (Travelodge hotel on the left). Go straight ahead into Holyrood Road and park on the right in the ?NCP? multi-storey car park in St John?s Hill. Edinburgh Training and Conference Venue is half way up St Mary?s Street on the right.

Arriving by car from the North:

Follow signs for the city centre from A90/Forth Road Bridge via Cramond and Barnton, approaching the city via Blackhall (bear right at the junction at the Kwik-Fit garage). At the roundabout take the 1st exit onto Queensferry Road (A90). Then turn left (one-way) onto Randolph Crescent then immediately turn left onto Great Stuart Street. Turn right onto Ainslie Place and immediately turn right onto St Colme Street. At the traffic signals continue forward (signposted Berwick upon Tweed A1). Continue forward onto York Place. At the Picardy Place roundabout take the 2nd exit onto Leith Street (A900) signposted Galashiels A7, Jedburgh A68. At East End turn right then immediately left onto North Bridge-A7. At the traffic signals turn left onto the High Street. At the next traffic signals turn right onto St Mary?s Street. ETCV is a third of the way down on the right.

Arriving by car from the South:

From the A1, or South East, take the City Bypass, and exit the city centre at the Dalkeith junction. (From A68, after Dalkeith go across the bypass, not onto it). Coming in on the Old Dalkeith Road, you will approach a roundabout at the Cameron Toll shopping centre (railway bridge over). Take the third exit (under the bridge), effectively going straight ahead, into St. Leonards. Stay on this road past the Commonwealth Pool and Scottish Widows former HQ (brown building) on your right until on the Pleasance you meet the four-way junction (lights) of Pleasance, St Mary?s St (ahead), Cowgate (left) and Holyrood Road (right). Turn right into Holyrood Road and the Scot Park car park is just down the road on the right. The Edinburgh Training and Conference Venue is half way up St Mary?s Street on the right.

#### **Description of venue:**

The Edinburgh Training and Conference Venue is based in St Mary?s Street ? the heart of Edinburgh in the city?s beautiful historic Old Town, just off the Royal Mile and minutes from Waverley Station.

#### **Course Tutors**

Depending upon scheduling constraints, our course tutors will sometimes split tuition between them or teach a given course in its entirety whilst the other is unavailable. Please contact us directly if you need more specific detail about who will be teaching a specific course.

**Course tutor: John Nightingale MSc(Eng), CEng FIHE MCIHT**

*The information presented here is kept as accurate and up to date as possible, nevertheless, this document is static and cannot be updated if any changes to the course arrangements are made. We make every effort to inform our delegates if we have to make any cancellations and if any changes are made to the venue or schedule. We also advise all delegates to check the website or contact us directly to confirm course details a few days before the course starts.*



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