

## Sign Sense Consultants Ltd – Course Specification

**COURSE TITLE:** **Sign Sense – an Introduction to Traffic Sign Engineering**

**DURATION:** **12 hours**

**COURSE AIMS:**

This course aims to provide employees working within the Highway Engineering Sector with a basic awareness of relevant legislation, publications, skills and standards relating to the Road Traffic Sign Industry together with an overview of other regulations in respect of Health & Safety at Work, COSHH, Manual Handling and Personal Protective Equipment.

**PREREQUISITES:**

None – the course is aimed at Highway Authority employees new to traffic engineering or in need of a refresher and is intended to give them the basic skills required to design, implement, inspect and maintain routine traffic sign schemes.

**ASSESSMENT:**

A summative assessment will follow the completion of this course.

**OBJECTIVES:** On completion of the course attendees should be able to:

- Identify hazards and reduce risks.
- Take necessary precautions before during and after completion of works.
- Identify appropriate publications/reference for guidance.
- Identify correct size/type of sign for road environment.
- Use guidance to correctly, sensibly and safely locate sign assemblies in accordance with status/speed of road.
- Use guidance to correctly specify and site sign assemblies in accordance with traffic orders etc.
- Identify appropriate offsets and mounting heights in accordance with status of road and the presence of other influences eg pedestrians, cyclists, safety fences etc
- Carry out site inspections and assess the need for maintenance/replacement in accordance with the relevant standards and codes of practice.
- Identify the need for illumination.
- Identify the need for passively safe posts.

**COURSE TOPICS:**

- Hazards, risks and on-site precautions.
- Overview of BSEN12899.
- Overview of National Highways Sector Scheme 8, 9B & 10.
- Overview of TD25 maintenance code of practice.
- Assessment of the need for signing.
- Route classifications, sign colours and sizes.
- Basic design principles.
- Regulatory & Warning Signs.
- Overview of signing requirements for traffic orders, cameras etc.
- Types of sign face material and substrates.
- Types of sign construction, posts and associated products.
- Current requirements for illumination and overview of products.
- Variable message signs
- Overview of current requirements for passively safe posts/protection.
- Guidelines for customer care & the positioning and setting-out of signs.
- Reference documents.

**PRACTICAL:** To enable maximum learning and benefit from this course, there may be a number of practical sessions and exercises. These will be both interactive and demonstrative.