Cycling Infrastructure

Overview

Cycling is quickly becoming established as a mainstream mode of transport, especially in our larger cities. All the evidence point to its benefits: quicker journeys in urban areas, improved access to jobs and services, reduced congestion, better health and liveability. Getting more people, of all ages and abilities, onto bikes is a key ingredient in the recipe for delivering better, more competitive and more progressive cities.

Retro-fitting high quality cycling infrastructure is a significant challenge for engineers. Restricted space, UK driving rules and culture and political support are key challenges. This course explores different approaches to making cycling feel convenient and safe in urban areas, illustrated by case studies of innovative cycle infrastructure design. We will help you to understand how to plan networks and interventions to suit different circumstances. We will show the best available methods for designing for cyclists at junctions,main roads and quieter streets.

National design guidance, engineering standards, and cycle infrastructure design good practice are considered in-depth, with topics presented by experienced practitioners in the field of cycling infrastructure design.

Learning outcomes

At the end of the course, participants will have:

· An understanding of the policies underlining cycle infrastructure design and provision
· An understanding on how to set out a network plan, appraisal of individual project and prioritisation
· Understand the role of consultation and participation with stakeholder and communities
· An understanding of the range of cycle infrastructure options available and how it is applied in the UK and internationally
· Understand user requirements for cycle infrastructure and facilities
· A clear understanding of how to apply cycle infrastructure design principles on the ground effectively
· An understanding of the role monitoring and review plays in the delivery of a 'fit-for-purpose' scheme
· A firm understanding of the importance of maintaining cycle facilities and infrastructure

Who should attend?

This course is designed for traffic and highway engineers who need to learn more about the principles of designing for cyclists. It will also benefit those who shape the environment through planning and street design.

Topics covered
· UK cycling design policies and guidance
· International examples of good practice
· Network planning, scheme appraisal and economics
· Stakeholder participation and engagement
· Designs for on-street and off-street facilities and infrastructure
· Monitoring and evaluation
· Construction, maintenance and management regime

Programme

Arrival and registration

Introduction and objectives

Policies, regulations and guidance
Historic overview; Design policies, guiding principles and guidelines; Lessons learnt; Retro-fitting; International benchmarking; Linking principles to design Core principles.
Network planning
Objectives; Demand; Propensity to cycle; Opportunities and constraints; Access and permeability

Break

Appraisal, monitoring and evaluation
Appraisal overview; Monitoring plan; KPIs and targets; Evaluation framework
Stakeholder and advocacy
Process of engagement, participation and consultation
Design – links
Geometric design; On-street; Off-street; Segregation; Shared; Traffic calming; Case studies

Lunch

Design - junctions and crossings
Geometric design; Types of junctions and crossings; At-grade, grade-separation; Priority; Signalised; Advanced stop lines; Case studies
Design - other elements
Geometric design; Parking (on-street, off-street, storage); Integration with PT; Signing and road markings; Road safety; Public realm; Cycle hire

Break

Design workshop
Interactive session - sketch facilities proposals, discuss choices, recommendations
Maintenance and management
Maintenance Regime (strategy; inspection, assessment, reporting; Issues)

Summary and close

*Please note that this is a prelimnary programme and is subject to change

Cycling Infrastructure

Registration Form

Title

First Name

Surname

Position

Organisation

Department

Email

Telephone

Address

Post Code

Dietary or access requirements

Attendance Fees (Please write amount)

Standard Rate _____ + VAT

CILT/Local Authority/Chairty Rate _____ + VAT

Method of Payment

Card Number

CSV Code

Expiry Date

Card Holder's name and address (if different from above)

Post Code

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Invoice name and address (if different from above)

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Signature Authorsation I have read and accept the terms and conditions

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Signature ....

Date ....

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