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 preliminary programme and is subject to change.
# 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/Charity Rate _______ + VAT

### Method of Payment
- **Card Number**
- **CSV Code**
- **Expiry Date**

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

**Post Code**  
**Purchase Order Number**  
**Invoice name and address (if different from above)**

**Invoice**

Please attach a copy of your purchase order made payable to PTRC

**Cheque**

Enclosed for £ _______ made payable to PTRC

### Signature Authorisation
I have read and accept the terms and conditions

**Name**  
**Signature**  
**Date**

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**Terms & Conditions**

1. Registration Form: Applications should be made on the official registration form. Photocopies are accepted. One form should be completed for each delegate attending the event. It is important that all sections are completed legibly. Delegates are advised to retain a copy of the registration form for reference before sending.  
2. Fee: Fees include attendance at lectures, lecture notes, lunch and all refreshments unless otherwise indicated. Fees do not include overnight accommodation, breakfast and evening meals unless stated.  
3. Acknowledgement: Receipt of a registration form will be acknowledged by email, delegates will be sent an invoice and an email of acknowledgement. Joining instructions, including a map, will be sent to each delegate by email approximately one week before the start of the event.  
4. Payment: Unless otherwise stated payment in full must be made at the time of booking. All prices are exclusive of VAT, unless stated otherwise.  
5. Cancellation: All cancellations, or alterations to a booking, must be received in writing. To avoid cancellation penalties, substitutes will be accepted at any time, if notified in writing and in advance of the event. Adjustments in fees will be made if there is any change in fee category. Cancellations received in writing up to 7 days before an event will be subject to an administration fee of £75 + VAT or the event delegate fee whichever is the lower. Cancellation within 7 days of the event date or a ‘no show’, will be liable for the full fee.  
6. Disclaimer: PTRC reserves the right to vary the programme and to cancel an event if it is under subscribed or for any other reason. In the event of cancellation, where reasonably possible, PTRC aims to give delegates at least one week’s notice and the fee will be refunded in full. PTRC will not be held liable for any pre-booked travel, accommodation or similar costs incurred under any circumstances whatsoever.  
7. Data Protection: Details will be held on a database in accordance with the 1998 Data Protection Act. Information will be used for internal marketing purposes only and will not be shared with any external organisations.