



**A ten week afternoon programme organised by Training for Transportation Professionals**

### **An Introduction to Traffic Engineering and Transport Planning**

Birmingham

Atkins Office, Conference Room 10 – 3, 10<sup>th</sup> Floor, The Axis, 10 Holiday Street, Birmingham B1 1TF

3<sup>rd</sup> March 2015 until 11th May 2015

2pm until 6pm

(Two lectures with a twenty minute break).

Mondays apart from seminar weeks 1 and 9.

#### **Introduction**

There is wide acknowledgement among public and private sector employers in the West Midlands of the need to improve and encourage training and development for transport practitioners, particularly new entrants to the profession and those from non-traditional backgrounds.

Many employers also recognise that even those entering the profession with appropriate first or second degrees may not immediately be able to undertake the practical and challenging tasks necessary to contribute to the delivery of transport schemes, especially if they are innovative and controversial.

Although we are in an uncertain time of budgetary constraints, it is important for the future of the profession that we do not lose sight of the importance of a workforce with as broad a knowledge and experience of all aspects of Traffic Engineering and Transport Planning. This will stand the profession in good stead when the market recovers and investment returns to transport projects.

As it starts to recover many staff will find themselves in particular “niches” - such as bus priority, traffic calming, travel plans, cycle planning, for example. This programme of half day seminars gives staff an early opportunity to experience the wide range of skills necessary to become a well-rounded practitioner. The programme can also be used by more senior managers to update their knowledge and gain more understanding of the work requirements of colleagues.

Now in its eleventh year, following a consultation with the West Midlands Training Group, the West Midlands programme has been re-formatted to a series of ten intensive afternoon lectures. These will provide an introduction to the different components of transport planning and traffic engineering. The course is recognised by the Transport Planning Society and the Chartered Institute of Highways and Transportation.

#### **Structure of the Programme**

The programme will consist of lectures delivered by local transport practitioners who are experts in their particular field. They will be drawn from consultancies, academia, central government and local authorities. Accompanying lecture notes will be provided and there will be plenty of time available for questions and discussion.

As lecturers are giving their time freely, from time to time it may be necessary to re-organise a lecture at short notice.

## **Certificate of Attendance**

Delegates attending a minimum of 90% of the lectures will be awarded a certificate acknowledging successful completion of the course. There are no examinations.

## **Venue and Time Information**

The afternoon course will be held in a central Birmingham location, at the Atkins Office.

## **Cost**

£625 + VAT for the ten week programme  
Single session attendance costs are available upon request.

## **Programme**

### **Week 1**

**Tuesday 3<sup>rd</sup> March, Atkins Office Birmingham**

**Atkins Office, 10<sup>th</sup> Floor, The Axis, 10 Holiday Street, Birmingham** Conference Room 10 – 3

### **Introduction**

Aims and objectives of the course programme

### **Funding for Transport Infrastructure**

1st Session: Funding structure and the LEP's, current funding streams

2nd Session: Managing a transport project

### **Week 2**

**Monday 9<sup>th</sup> March, Atkins Office, Birmingham** Conference Room 10 – 3

### **Consultation, Public Participation and Communications**

1st Session: Statutory Consultation Process, Non-statutory public involvement.

2nd Session: Techniques for encouraging public involvement

### **Week 3**

**Monday 16<sup>th</sup> March, Atkins Office, Birmingham** Conference Room 10 – 3

### **Introduction to Transport Planning**

1st Session: Data Assembly - what information is available and what can be collected.

2nd Session: Forecasting of Transport Impacts - Looking at trip generation, distribution and assignment of the various modes

### **Week 4**

**Monday 23<sup>rd</sup> March, Atkins Office Birmingham** Conference Room 10 – 3

### **Transport Scheme Appraisal and Economics**

1st Session: Introduction to WEBTAG and the appraisal framework process.

2nd Session: Cost benefit analysis and a case study

### **Week 5**

**Monday 30<sup>th</sup> March, Atkins Office Birmingham** Conference Room 10 – 3

### **Transport Scheme Appraisal and Economics**

1st Session: Managing Demand - travel awareness, travel planning and charging schemes.

2nd Session: Pedestrians and cyclists

One week break for Easter

## **Week 6**

**Monday 13<sup>th</sup> April, Atkins Office Birmingham** Conference Room 10 – 3

### **The Development Control Process**

1st Session: Transport Assessments - Planning Policy and Framework

2nd Session: Travel Plans - content and the Statutory Process

## **Week 7**

**Monday 20<sup>th</sup> April, Atkins Office Birmingham** Conference Room 10 – 3

### **Traffic Management and Engineering**

1st Session: Management of traffic, traffic calming and control of speed.

2nd Session: Junction capacity and design

## **Week 8**

**Monday 27<sup>th</sup> April, Atkins Office Birmingham** Conference Room 10 – 3

### **Road Safety**

1st Session: The Road Safety Process

2nd Session: General Statistics, Recording of Collisions and Collision Analysis

## **Week 9**

**Tuesday 5<sup>th</sup> May, Atkins Office, Birmingham** Conference Room 10 – 4

### **Intelligent Transport Systems**

1st Session: The Concept and Benefits of Smart Motorways

2nd Session: Future Developments of Smart Motorways

## **Week 10**

**Monday 11<sup>th</sup> May, Atkins Office Birmingham** Conference Room 10 – 3

### **Public Transport**

1st Session: Non Road - characteristics of heavy rail and light rail

2nd Session: Road Based - BRT, buses and community transport

To apply for a place:

E-mail: [sabrina@tftp-training.co.uk](mailto:sabrina@tftp-training.co.uk)

Please complete the booking form and return it to:

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