

Pavement Engineering aspects of Highway Asset Management



(the pavement engineering knowledge required to underpin the process)

2 Day Training Courses. Book now for:

London - 26th & 27th June

Edinburgh – 13th & 14th September

Manchester – 11th & 12th October

Doncaster – 14th & 15th November

London – 21st & 22nd November

The introduction of Asset Management and Valuation requirements, combined with central government methods for allocating funds, have added the need to show improvement in overall pavement condition to the existing need to arrest deterioration. As funds are always limited, the list of needs always exceeds the list of works that can be carried out. This places extra pressure on engineers to select the right treatment at the right time, which requires detailed knowledge of the way the pavement works. It is generally recognised that there is a need to improve the pavement engineering knowledge within local authorities, and this 2 day course is aimed at filling this knowledge gap.

The course will be of benefit to all levels of staff involved in highways maintenance management, from budget holders and Engineers through to Technicians and Inspectors.

The course will cover such topics as:

- How pavements work
- Surface defects and reasons why defects occur
- A review of failure modes
- Typical treatments
- “Assessment toolbox” – and consideration of surveys and typical outputs (not specifically UKPMS but rather pavements in general)
- How to adapt UKPMS methodology to support different highway maintenance methods, particularly defects – and the factors that individual LA’s want to ‘drive’ treatment selection & prioritisation
- Management tools (Asset Management)



Course members will leave with:

1. An understanding of the engineering that underpins decision making.
2. Knowledge of how engineering can be integrated into a management system.
3. A worked example of how the engineering and a management system can provide a more cost effective approach to asset management.

The Course Providers are Dr.Tony Stock and James Wallis, who bring with them a unique blend of fundamental and practical expertise. Tony has been actively involved with technical innovation in pavements for most of his career, and combines a broad experience of

research, gained from both Academic and Industrial perspective, with an 'in depth' knowledge of pavement structures, pavement materials, and pavement evaluation. James has considerable experience of highway data collection and condition surveys and provides advice to clients wishing to improve the quality and consistency of their condition surveys. He has also had an integral role in re-writing the UKPMS visual survey manual, and is also responsible for the development of financial and maintenance models for road networks and maintenance commissions carried out by CBC.

This workshop will be able to count for CPD in accordance with the policy of the Institution of which you are a member.

The cost of the 2 day package includes all training materials, lunch and refreshments – a discount will be given for any additional attendees from the same organisation. Please contact us for the cost details of your preferred location.

Booking Form - Pavement Engineering aspects of Highway Asset Management

Venue:

Date:

Organisation:

Address:

Contact Name: Tel: Fax:

Email Address:

Name of Delegate(s):	Cost <i>(including VAT)</i>
1 <input type="text"/>	<input type="text"/>
2 <input type="text"/>	<input type="text"/>
3 <input type="text"/>	<input type="text"/>
4 <input type="text"/>	<input type="text"/>

Total

Chq enclosed:
Chq to follow:
Invoice required:

Special Requirements:

Please indicate any additional requirements, such as dietary:

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Please return booking form by fax, post or e-mail to:

Chris Britton Consultancy
US14 Armstrong House
4/6 First Avenue
The Finningley Estate
DONCASTER DN9 3GA

Fax: 01302 623202
E-mail: siobhan.waring@chrisbritton.co.uk
Enquiries: 01302 623201

Pavement Engineering Aspects of Highway Asset Management

2 Day Training Course

DRAFT AGENDA

DAY 1

- Registration/Coffee 9:30 – 10:00
- Introduction 10:00 – 10:50
 - Aspirations/objectives of course
- Coffee Break 10:50 – 11:00
- How Pavements Work 11:00 – 12:10
- Lunch 12:15 – 13:15
- Defects 13:15 – 15:45
 - Engineering Perspective
 - Systems Perspective
- Review & Close 15:45 – 16:00

DAY 2

- Registration/Coffee 9:30 – 10:00
- Brief Overview of Day 1 10:00 – 10:15
- Explanation of Deterioration Curves 10:15 – 10:50
- Coffee Break 10:50 – 11:00
- What Assessment Tools do we have 11:00 – 12:15
 - Network Level
 - Scheme Level
- Lunch 12:15 – 13:15
- Worked example 13:15 – 15:45
- Review & Close 15:45 – 16:00