



First Call for Forensic Witness Expertise

Dr John C Bullas M.C.I.H.T., M.I.A.T.

**Expert Road Surface Characteristics and Tyre/Road
Surface Interface Consultant**

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Dr John Bullas is a Road Surface Characteristics & Tyre/Road Interface Consultant for Wayman Experts. He resides in Hampshire and is a Member of the Chartered Institution of Highways & Transportation (M.C.I.H.T.) and a Member of Institute of Asphalt Technologists (M.I.A.T.).

John is a graduate geologist with a masters in geotechnical engineering (1991) and a PhD awarded in 2007 for work undertaken to better understand the dry frictional behaviour of the latest generation of bituminous road surfaces under non-ABS braking.

Qualifications & Experience

- 2015 Short contract – Mott Macdonald – Area 10 Maintenance Scheme preparation.
- 2005-2015 Consulting Engineer – Atkins Highways and Transportation – design and specification of surfacing for Dartford Free-flow Charge (DFFC) scheme –
- Investigation of frictional properties of Cambridge Guided Busway (CGB)
- Design and specification of bound and unbound pavement materials.
- Interpretation of SCRIM, Griptester and Portable Skid-resistance Tester (Pendulum) data.
- Research on the development of a non-contact means of measuring residual salt including laser-induced breakdown (LIB) and laser-induced fluorescence (LIF) as a winter maintenance research task for Highways Agency.
- **PhD Civil Engineering (Southampton, 2007)** investigating the effect of ABS and non-ABS braking systems on the frictional characteristics of dry modern road surfaces
- **2004 Fulton Hogan Visiting Fellow in Road Safety Research** – Christchurch, New Zealand - Provision of training on road surface friction as an integral part of the Fulton Hogan Holistic Surfacing Solutions Strategy.
- The comparative analysis and interpretation of Skidman and Vericom forensic collision investigation devices .
- 2003 Technical Support for Dynatest Inc. road surface friction testing equipment
- 2001-2003 AA Foundation for Road Safety Research
- Research for, and production of, report on the tyre/road interface for the AA and the County Surveyors Society (CSS).
- 2000-2001 City & Guilds Information Technology 7261/01
- 1994-2000 Business Development Manager for Hoben Industrial Minerals
- Development of first British Board of Agrément (BBA) Product Assessment for Coloured High-friction surfacing aggregate.
- **MSc Geotechnical engineering (Surrey, 1991)**
- 1987-1994 Higher Scientific Officer with TRRL
- Road surface characteristics research and testing for the Department of Transport.
- Operation of PSV, AAV and TPV testing apparatus,
- SCRIM operator and analysis/reporting.
- Representation on 8 week international comparative trials of surface friction and texture measurement devices (as SCRIM operator & analyst)