

Curriculum Vitae

Tim Sterling



Role / Title:	Partner & Principal Road Safety Consultant at Sterling Road Safety LLP
Qualifications:	BEng DMS PGCE
Years Experience:	31
Professional Links:	Member of Chartered Institution of Highways & Transportation (since 1989) Member of the Chartered Management Institute (since 1992) Member of the Road Safety GB Academy (formerly IRSO) (since 1994) Member of the Institute of Traffic Accident Investigators (since 2004) Member of the Society of Road Safety Auditors (since 2008)

Tim is a highly experienced road safety and incident investigation specialist. He has worked in the field since 1986 and he has regularly provided expert witness evidence since 1998. He has continued to work as both a road safety practitioner and an expert witness since establishing Sterling Road Safety during 2014.

Tim has extensive experience in undertaking safety assessments, road safety audits and accident investigation and prevention work both in the UK and overseas. He has attended the scenes of many accidents and he is trained and experienced in on-scene accident investigation and reconstruction techniques.

He worked for both urban and rural highway authorities for eleven years and spent eight of these managing an Accident Investigation team. His responsibilities included the development of accident database and analysis systems, speed management programmes, the introduction of road safety auditing and camera enforcement and the management of a traffic surveys unit.

He then worked for TRL (the Transport Research Laboratory) for sixteen years where he was involved in a very wide range of projects including road safety auditing and safety research work. He also reviewed draft design standards and provided transport related risk assessment advice and safety reviews to a wide variety of clients and for a very diverse range of risks.

Tim provides safety and speed management advice and has a particular interest in Workplace Transport Safety. He has provided impartial expert witness evidence in relation to over 50 investigations, notably including the inquest into the death of Diana, Princess of Wales.

Skills

- The provision of expert witness advice
- Road Traffic Accident / Incident / Collision investigation, reconstruction and prevention
- Transport-related safety assessments (including workplace and road/rail interface)
- Road safety auditing
- Analysis of accident (collision) data and records

Qualifications

Accident Investigation & Reconstruction Training	2002
PGCE Post-Graduate Certificate in Education	1990
DMS Post-Graduate Diploma in Management	1989
Accident Investigation & Prevention course (RoSPA)	1987
BEng Degree in Civil Engineering (inc. traffic engineering option)	1986

Sterling Road Safety LLP
Principal Road Safety Consultant

Oct 2014 to Date

Expert Witness – Road Traffic Incidents in the UK and Overseas

Tim is an expert witness for a number of ongoing cases which are currently sub-judice. Details of the following cases can be disclosed:

- Provision of expert witness evidence concerning alleged dangerous driving.
- Provision of expert witness evidence concerning a loss of control on a new road road surface.
- Provision of expert witness evidence concerning a fatal collision between a vehicle and a pedestrian within a private workplace.
- Provision of expert witness evidence concerning a serious vehicular collision within a private workplace.
- Provision of expert witness evidence concerning a loss of control on loose chippings.
- Provision of expert witness reconstruction and highways evidence concerning a fatal road traffic collision involving a car and a pedal cyclist in central London. Tim provided written evidence and also evidence under cross-examination in the Old Bailey.
- Provision of expert witness advice and evidence concerning highways and aspects of reconstruction associated with a serious road traffic accident that involved the contravention of a red traffic signal at a large junction in Hong Kong. This case involved a charge of causing grievous bodily harm by dangerous driving and Tim's expertise was accepted by the Court and he gave evidence in the Hong Kong District Court under cross-examination.
- Provision of expert witness evidence concerning highways traffic management aspects of a road traffic collision that involved a fully laden articulated lorry colliding at speed with a roadworks vehicle.
- Provision of expert witness evidence concerning highways aspects of a serious road traffic collision involving a motorcyclist who lost control of vehicle, possibly after passing over a pothole, and then collided with an oncoming car.
- Provision of expert witness evidence concerning the provision of discontinuous pedestrian guard railing at a site where an inebriated pedestrian fell from a walkway into the carriageway below and sustained serious personal injuries.

Workplace Transport Safety Assessment (2017)

The identification and assessment of risks to all road users at a complex site trafficked by a wide variety of vehicles undertaking a range of different tasks and operated by people of varying familiarisation with the site. This involved inspection of the site during various operating conditions and during daylight and darkness. The final report also included proportionate and practicable safety improvement recommendations.

Specialist Road Safety Engineering Liaison Role for DfT Safer Roads Fund (2017)

Specialist liaison and training role assisting local highways authority personnel involved in bidding for grants from the Department for Transport's £175M Safer Roads Fund. The project involves an innovative risk assessment approach and the use of the iRAP ViDA software.

Safety Assessment of Tidal Flows Proposals, Malta (2015)

Inspection of site and provision of safety assessment advice specifically related to tidal flow proposals for new three-lane section of highway.

185 No. Road Safety Audits (UK and Middle East)

Tim has regularly undertaken audits since 1990 with 185 undertaken during the four years since he established Sterling Road Safety. Details of all road safety audits undertaken, on local and trunk roads, and in the UK and overseas, are available in a separate RSA-only CV.

Transport Research Laboratory
Principal Road Safety Consultant

Oct 1998 to October 2014

Expert witness evidence - Airport Pedestrian Crossing (case ref: 33905*)

HSE

The provision of expert witness evidence associated with a pedestrian crossing facility at an airport.

Expert witness evidence (case ref: 08156/011)

Solicitors

An investigation into possibly pertinent highways issues associated with an accident where a pedal cyclist fell whilst crossing a dropped kerb.

Expert witness evidence (case ref: 08156/012)

Solicitors

Investigation of traffic issues possibly pertinent to circumstances of a fatal accident on a private road associated with a motorway service station.

Expert witness evidence - Operation Paget & Diana Inquest (case ref: 07700*)

Police (Operation Paget)

Consideration of evidence and preparation of a highways safety assessment report associated with the investigation into the collision on 31 August 1997 in the underpass beneath Pont d'Alma, Paris.

Expert witness evidence (case ref: 08156/007)

Solicitors

Provision of advice concerning signage at a bend where loose chippings were left from surface dressing works.

Expert witness evidence (case ref: 08156/010)

Police

Preparation of report concerning signing at roadworks where a motorcyclist was involved in a fatal accident on the Isle of Man.

Expert witness evidence (case ref: 07503/017)

Solicitors

Investigation and provision of advice into an incident in which a lorry blew over in high winds and collided with the end of a parapet wall.

Expert witness evidence (case ref: 08156/005)

Solicitors

Provision of advice concerning the safety of pedal cyclists at a level crossing where the railway is set at a skew to a main road.

Expert witness evidence (case ref: 08156/006)

Solicitors

Provision of advice concerning the siting and the performance when collided with of a traffic signal post.

Expert witness evidence (case ref: 07073)

Solicitors

Investigation into the safety of a traffic calming scheme in which traffic islands had been formed from large kerb units and at which a lorry drove into a house after colliding with such a traffic island.

Expert witness evidence (case ref: 07503/003*)

Solicitors

Investigation and provision of advice concerning alleged grounding of sports cars on an allegedly overheight road hump.

Expert witness evidence (case ref: 07503/004*)

Police

Provision of advice concerning temporary speed limit and traffic management at the site of a motorway crossover accident.

Expert witness evidence (case ref: 07503/008*)

Solicitors

Investigation of incident and provision of advice concerning signalling and a mechanised level crossing barrier which could be operated from a vehicle.

Expert witness evidence (case ref: 07503/009)

Solicitors

Investigation concerning an incident in which a lorry had rolled over on a motorway slip road.

Expert witness evidence (case ref: 07503/010*)

Procurator Fiscal

Provision of advice concerning sightlines, perception, etc at a farm access.

Expert witness evidence (case ref: 07503/011)

Solicitors

Provision of advice concerning an incident at a signalised pedestrian crossing at a signalised junction.

Expert witness evidence (case ref: 07503/015*)

BT

Investigation and provision of advice concerning the circumstances of an incident involving a tall lorry.

Expert witness evidence (case ref: 07503/016)

Solicitors

Investigation and provision of advice concerning a head-on collision on a bend.

Expert witness evidence (case ref: 05303)

Solicitors

Investigation and advice concerning adequacy of safety auditing and highways lighting maintenance.

Expert witness evidence (case ref: 07044)

Solicitors

Investigation into highways safety issues of an inconspicuous mini-roundabout at which a motorcycle overshot the give-way line and collided with a van.

Expert witness evidence (case ref: 07279)

Solicitors

Investigation into the safety of a cycle track where it crosses a side road, the compliance with design guidance and the adequacy of road safety auditing.

Expert witness evidence (case ref: 07503/002)

Solicitors

Provision of advice concerning the posting and enforcement of a speed limit.

Expert witness evidence (case ref: 07503/013)

Solicitors

Investigation of incident and provision of advice concerning signage and location of a lay-by near to a side road junction.

Expert witness evidence (case ref: 06550)

Highways Agency

Investigation undertaken into an incident and associated highways issues where a car collided with a bridge parapet which fell onto the road below and hit a motorcyclist.

Expert witness evidence (case ref: 07071)

Solicitors

Investigation into highways safety issues associated with a planter on which a pedestrian fell after tripping on a kerb.

Expert witness evidence (case ref: 06004)

Solicitors

Investigation into highways safety issues at a cycleway which mopeds were permitted to use and on which a moped had collided with a child pedal cyclist.

Expert witness evidence (case ref: 06097)

Solicitors

Investigation into loss of control accidents at an exit from a large roundabout.

Expert witness evidence (case ref: 06100)

Solicitors

Investigation into highways issues including lane markings at the site of a head-on collision between two cars.

Expert witness evidence (case ref: 06199*)

The Procurator Fiscal

Provision of advice concerning a fatal accident in which a child had ridden his pedal cycle downhill and against the designated flow direction on a one-way street and into the path of a bus.

Expert witness evidence (case ref: 06297*)

Solicitors

Investigation concerning the safety of roadworks at a motorway site where a lorry collided with a bridge pier.

Expert witness evidence (case ref: 06351)

Solicitors

Investigation of highways safety issues associated with a crossing point on a dual carriageway at which a lorry had overhung the central reservation and been collided with.

Expert witness advice, safety assessment and proposals (case ref: 05301)

Solicitors

Provision of advice concerning risk assessments of a bus station, the assessment of safety and the provision of safety improvement / risk management recommendations.

Expert witness evidence (case ref: 05136)

Solicitors

Advice concerning possible pedestrian trip hazards associated with partial pedestrianisation scheme.

Expert witness evidence (case ref: 05211)

Solicitors

Assessment of risk and compliance with design guidance of a pedestrian bench (that a pedestrian had walked into) in Oxford Street in London.

Expert witness evidence (case ref: 05300)

Solicitors

Investigation into the role of a large bollard which was positioned on a traffic island and which had concealed an oncoming motorcyclist from a car which turned across it.

Expert witness evidence (case ref: 05388)

Solicitors

Investigation and advice relating to an 'overshoot' accident at a roundabout on a dual carriageway and comment on possible remedial measures.

Expert witness evidence (case ref: 05445)

Solicitors

Investigation into an accident which occurred at a bus station in which a coach reversed over a pedestrian.

Expert witness evidence (case ref: 05920)

Solicitors

Preliminary advice concerning the highway environment at a location near a service station slip road where a collision between a coach and a lorry had occurred.

Expert witness evidence (case ref: 03669)

Solicitors

Assessment of barrier systems associated with a collision with a rock outcrop and the pier of an overbridge.

Expert witness evidence (case ref: 03950)

Solicitors

Advice concerning use of tape to temporarily conceal road markings during roadworks (motorcycle loss of control).

Expert witness evidence (case ref: 04144)

Solicitors

Investigation into signing at a bend where an accident had occurred.

Expert witness evidence (case ref: 04307*)

Solicitors

Investigation into signing, surfacing and compliance with geometric design standards for a motorway slip road on which a lorry had rolled over.

Expert witness evidence (case ref: 04851)

Solicitors

Investigation into the road surfacing where a head-on collision had occurred on a bend.

Expert witness evidence (case ref: 04923)

Solicitors

Investigation into collision between a pedal cyclist and a lorry on a roundabout.

Expert witness evidence (case ref: 05272)

Solicitors

Investigation into collision between a car and traffic island formed from large kerb units.

Expert witness evidence (case ref: 03908)

Solicitors

Report considering the use and safety auditing of an extruded asphalt kerb across an unopened slip road (collided with by a motorcycle).

Expert witness evidence (case ref: 04018)

Solicitors

Investigation into an accident in which a security lorry crashed in foggy conditions.

Expert witness evidence (case ref: 04031)

Solicitors

Investigation into an accident which occurred at roadworks.

Expert witness evidence (case ref: 04036)

Solicitors

Investigation of accident involving a car that entered a dual carriageway in the wrong direction via a misleading slip road.

Expert witness evidence (case ref: 04131)

Solicitors

Investigation into collision with end of poorly aligned temporary vehicle concrete barrier.

Expert witness evidence (case ref: 04228)

Solicitors

Advice concerning the alignment of white centre lines with a traffic island that had been collided with (absence of offset).

Expert witness evidence (case ref: 04387)

Solicitors

Investigation into geometry and surfacing at a roundabout exit where loss of control accidents had occurred.

Expert witness evidence (case ref: 04594)

Solicitors

Investigation into signing and parapet at a site where a car had collided with the end of a parapet rail.

Expert witness evidence (case ref: 04745)

Insurers

Investigation into a head-on collision in which a British lorry driver misunderstood a contra-flow system in the Italian Alps.

Expert witness advice concerning driveway safety (case ref: 04446*)

Householder

Investigation into effectiveness of 'sleeping policeman' and advice as to the possible use of highways standard road humps on domestic driveway.

Expert witness evidence (case ref: 04012)

Solicitors

Advice concerning accident in which a car collided with oncoming vehicles on the approach to roadworks.

Expert witness advice - roadside bungee jumping (case ref: 04043*)

Highways Agency

Risk assessment and presentation of evidence to an industrial tribunal concerning the distraction related risk of proposed roadside bungee jumping.

Selected Professional Experience - Safety Assessment & Other Project Work List

Transport Research Laboratory

Principal Road Safety Consultant

Oct 1998 to October 2014

Access Road Safety Assessment

The Health & Safety Laboratory

Undertaking site inspections and preparing a safety assessment report and speed limit advice for a lengthy rural access road which serves the HSL Laboratory and an industrial estate.

Road Safety Manuals for Africa

African Development Bank

A TRL team wrote a series of three manuals concerned with Road Safety Audit, Pro-Active Road Safety on Existing Roads and Reactive Road Safety on Existing Roads.

Brunei Safety Assessments

Brunei Shell Petroleum

Undertaking site inspections and preparing safety assessment reports for selected sites, 22km of public highway and areas of private business and residential sites.

Development of a Workzone Manual

Abu Dhabi Department of Transport

The development of a workzone (i.e. roadworks safety) manual.

Airside road system safety assessment

BA

A safety assessment of the airside road system at Heathrow Terminal 5.

Bahrain Loop Road speed limit assessment

Consultant

Provision of advice concerning appropriate speed limits and associated safety issues.

Development and Population of Hazard Log

Highways Agency

The development and population of a hazard log associated with the Traffic Officer service.

Safety assessment of traffic systems at Business Park

BP

Provision of a road layout and traffic safety assessment at a Business Park with multi-storey below ground parking.

Safety Assessment of Puffin Crossing

Plymouth City Council

Review of operational safety of pedestrian crossing.

Review of relative safety of junction design options

Consultant

The review of the relative safety of design options at four junctions in Wrexham with particular regard to pedestrian safety.

Road Safety Assessment and Five Road Safety Audits

Abu Dhabi Department of Transport

Five road safety audits comprising: stage 2 Road Safety Audits, including site inspections, at three signals junctions, new roads associated with a shopping mall and new access roads and junctions associated with a large office development. Also, undertaking a road safety assessment of the E12 route.

Speed Limit Review: International Best Practice

Abu Dhabi Department of Transport

TRL undertook a review of International Best Practice for setting speed limits and through this report provided advice on setting speed limits in Abu Dhabi.

Development of road safety auditing policy and guidance in Abu Dhabi

Abu Dhabi Department of Transport

Technical review of policy and guidance documents.

Pedestrian safety assessment and review of practicable improvements at Luton Airport

HSE

Safety assessment and consideration of improved pedestrian routes between car parks and drop-off areas and terminal buildings.

Provision of road safety audit training in Abu Dhabi

Abu Dhabi Department of Transport

Development of training programme and materials and presentation of 4-day introductory road safety auditing course in Abu Dhabi.

Safety assessment of fabrication yards and spoolbase in Angola

BP

Safety assessment and provision of operational safety improvements at large marine oil equipment fabrication and pipeline spooling yards in Angola.

Safety assessment of highway near a new tunnel portal in Malta

Transport Malta

Site inspection, safety assessment and provision of safety improvement recommendations in the vicinity of a new tunnel portal sited on a bend and near accesses, egresses and pedestrian activity.

Dubai speed limit strategy

Dubai RTA

Reviewing existing speeds, speed limits and speed limit signing. Development of new speed limit strategies and speed limit setting criteria involving site inspections and surveying of parts of network.

Motorway hard shoulder safety

HA

Review of research literature and current safety advice for various users of hard shoulders.

Research into the safety implications of signal retiming

TfL

The effect of re-timed invitation to cross periods on road users at signalised junctions in London involving analysis of conflict study and interview data.

Safety assessment of car parks at two office complexes

BP

Safety assessment of pedestrian and vehicular safety within car parks associated with two office buildings including development of outline remedial proposals.

Safety assessment of site access

British Nuclear Fuels Limited

Safety assessment of complex and busy site access with particular regard to multiple modes of transport and security issues. Development of safety improvement proposals.

Bahrain Speed Limit Review

Bahrain Govt

Reviewing existing speeds and speed limits and development of new speed limit criteria involving site inspections and surveying of parts of network.

Road Safety Audit - Combined stage 1 & 2 - Indianapolis, USA

StructurePoint Inc. Indianapolis, USA.

Site inspections and road safety audit of proposed at-grade 'dumb-bell' roundabouts associated with grade-separation of a dual carriageway.

SPAR - Strategic Plan Accident Reduction

Swindon Borough Council

The assessment of resourcing, accidents and current practice and the provision of strategic advice as to how best to achieve KSI accident reduction targets.

Trams & Pedestrian Safety

TfL

Undertaking interviews with tram operators in order to identify issues pertinent to the safety of pedestrians.

Conspicuity

HA

Preparing three research reports summarising and identifying key issues from previous research projects. Specifically considering:

1. Conspicuity of Rear Facing Flashing Red Warning Lights
2. Conspicuity of Workwear Garments
3. Night-time Conspicuity

Highways advice and training to On-The-Spot team

Highways Agency

Provision of highways advice and training to OTS team members including attendance at scenes of accidents

Mobile Phone Coverage in TfL Tunnels

Transport for London

Risk assessment of various options for provision of mobile phone coverage within long road tunnels

Safety assessment of car park

County Council

Safety assessment of various traffic related risks at a sea-front car park

Risk assessment of tidal flow tunnel (Saltash)

Highways Agency

Risk assessment of tidal flow on the A38 Saltash Tunnel

Safety assessment of speed cushions

National Express

Safety assessment of speed cushion scheme on the Gatwick Airport Southern Perimeter Road

Safety assessment of bus garage traffic

First Group

Safety assessment of traffic related risks within and associated with Uxbridge bus garage

Safety assessment of overhead infrastructure

BT

Extensive and varied risk assessments and other investigations associated with the numbers and heights of tall vehicles and the risks of collisions with overhead infrastructure

Safety assessments - roadside restaurant occupant risk

Little Chef

The development and application of risk and assessment methodologies associated with a rare but potentially very serious incident

Risk assessment of AOCL Level Crossings

Railtrack

Risk assessment investigating the differences between Automatic Open Controlled Locally (AOCL) level crossing sites where accidents had occurred and others where no accidents had been recorded

Workplace Transport Safety (HSE)

HSE

A review of operational transport safety risks at workplaces

Development of an incident data collection system

British Horse Trials Association

Assessment of risk type and frequency and capability of data collectors. Development of a system that would collect relevant, useful and good quality data

Road safety assessment and safety audit training

Government of Mauritius

6 weeks of route safety assessments and provision of safety audit training and provision of report describing identified risks and recommended improvements

Risk assessment at tanker rollover site - Bahrain

The Bahrain National Oil Company

Investigation and provision of risk management advice concerning a signalised junction where a tanker lorry had rolled over. Also, a safety assessment at 16 separate service stations

Safety assessment of workplaces

Coca Cola Schweppes Beverages

Assessments of workplace transport safety and provision of safety improvement recommendations at various sites

Other Relevant Previous Employment

Wiltshire County Council

Oct 1990 to Oct 1998

Team Leader, Accident Investigation & Road Safety Audit

Management of the Council's Accident Investigation and Road Safety Audit Team.

This included the maintenance and analysis of stats 19 data, the identification of problem locations and proposals of remedial schemes, the development of an in-house GIS system and the introduction of road safety auditing.

Norwich City Council

Jul 1990 to Oct 1990

Accident Remedial Schemes Engineer

Avon County Council

Oct 1986 to Oct 1989

Technical Officer, Road Safety