

A417 Missing Link
TR010056

6.4 Environmental Statement
Appendix 1.2 Competent Expert
Evidence

Planning Act 2008

APFP Regulation 5(2)(a)
Infrastructure Planning (Applications: Prescribed Forms and
Procedure) Regulations 2009

Volume 6

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Infrastructure Planning

Planning Act 2008

**The Infrastructure Planning
(Applications: Prescribed Forms
and Procedure) Regulations 2009**

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Development Consent Order 202[x]

**6.4 Environmental Statement
Appendix 1.2 Competent Expert Evidence**

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Planning Inspectorate Scheme Reference	TR010056
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1 EIA team competent experts

1.1 EIA coordinator

- 1.1.1 Jessica Lauren Postance (EIA Lead and Environmental Coordinator) is a Chartered Engineer (CEng), a Chartered Environmentalist (CEnv) and Chartered Water and Environmental Manager (CWEM). Jessica has a MEng (Hons) degree in Environmental and Earth Resources Engineering from Imperial College London (2002).
- 1.1.2 Jessica is a member of the Chartered Institute for Water and Environmental Management (CIWEM) and has worked as a professional environmental engineer since 2002. Jessica is an accomplished environmental generalist, with a broad range of experience and knowledge across many environmental-related disciplines. Jessica provides expert environmental input into a range of infrastructure projects.
- 1.1.3 Jessica has a wealth of experience working on highway schemes in the UK. Jessica has contributed to, actively managed and coordinated, and published several Highway Environmental Statements in the last 18 years.

1.2 Air quality

- 1.2.1 James Bellinger (Air quality lead) (MSc, CEnv, CSci, MIEEnvSc, MIAQM, PIEMA) is a senior consultant with over 10 years' experience carrying out air quality assessment. He is an experienced leader (Project Manager) of technical projects including high profile projects and has provided expertise internationally.
- 1.2.2 James has led the air quality assessments for several major motorway schemes in the UK, including, A14 DCO, M1 J23a-25, M1 J13-16, M621 (Leeds), M25 J10-16, M40 M42 interchange, A30 DCO. These schemes have included detailed modelling, analysis of monitoring data, assessment of human and ecological receptors and assessment of significance. He has also been responsible for leading the air quality assessments for a number of other major infrastructure projects, including, HS2 phase 2b (Leeds) and Luton airport expansion DCO.

1.3 Cultural heritage

- 1.3.1 James William Keyte holds a BSc (Hons) in Heritage Conservation and a Postgraduate Diploma in Archaeological Resource Management. James is a Member of the Chartered Institute for Archaeologists, a Member of the Institution of Environmental Sciences, and a Chartered Environmentalist.
- 1.3.2 James has worked as a professional archaeologist for 19 years with positions at Gifford and Partners Ltd (1999-2007) and Ove Arup and Partners Ltd since 2007.
- 1.3.3 The majority of his career has been concerned with assessing the impact of developments upon the historic environment, for both non-EIA and EIA developments. He has worked on projects in a wide range of sectors including transport, mixed use development, energy, education and water. He has worked on a large number of road and rail schemes, including: A34/4 Junction Chieveley, A303 Stonehenge Improvement (2002-2005), M1 Junction 21-30 Improvement, East Coast Mainline Hitchin Grade Separation, A8 Belfast to Larne dualling, A120 Little Hadham bypass, High Speed 2 Phase 1A and 2B and A30 DCO. As a

result, James has extensive experience of the impacts to the historic environment that can result from the development of major infrastructure projects.

1.4 Landscape and visual

1.4.1 Alan Kerr is a Senior Landscape Architect at Arup, with 11 years professional experience working in the UK landscape industry. He has been a chartered member of the Landscape Institute for seven years. Alan has a Bachelor of Science in Landscape Design and Ecology and has a Masters of Landscape Architecture both from University of Sheffield. Alan has extensive experience working in landscape planning, particularly landscape and visual impact assessments and landscape character studies, working on a diverse range of projects, including large scale infrastructure projects. Alan is required by the Landscape Institute to conduct himself in accordance with their Code of Conduct, undertaking work within his professional competence and follow best practice guidance such as, in this instance, follow the Guidelines for Landscape and Visual Impact Assessment, 3rd edition.

1.5 Biodiversity

- 1.5.1 Chloe Delgery is a Senior Ecologist at Arup. She is a Chartered Environmentalist of the Society for the Environment (SocEnv), and a Full member of the Chartered Institute of Ecology & Environmental Management (CIEEM). She has an MPhil in Marine Biology (2005), an MSc in Integrated Environmental Studies (2001), and the French equivalent of a BSc (Hons) in Ecosystems Biology (three-year degree including a one-year ERASMUS exchange programme at Portsmouth, 1997-2000). She has published technical papers on ecological matters including a review of work carried out in France about bats and transport infrastructure.
- 1.5.2 Chloe has been working as a professional ecologist since 2005 and has been responsible for leading ecological projects and managing other individuals as a senior ecologist since 2012. She holds survey licences for bats, dormouse and great crested newts in England and Wales, and is a Registered Consultant under Natural England's Bat Mitigation Class Licence. The majority of Chloe's career has been concerned with assessment of ecology for a wide range of projects, including assessment of the ecological impacts from major road schemes.
- 1.5.3 Chloe has worked on numerous major road schemes in England and Northern Ireland, including the A303, A30 and A21, and more recently was the Biodiversity Expert Witness for the A40 Penblewin to Redstone Cross Improvements Public Local Inquiry (PLI) in Wales. As a result, Chloe has extensive experience in the ecological assessment techniques used for highways proposals. For this assessment, Chloe is the lead ecological expert for the proposals, managing the ecology team that has undertaken the assessment and has had this role since Arup started working on the project at PCF Stage 3. As a member of CIEEM, Chloe is required to abide by their Code of Professional Conduct, which has been considered when undertaking this assessment.
- 1.5.4 Luke Casey, Associate Ecologist at Arup, is a Chartered Ecologist (CEcol) and Full member of the Chartered Institute of Ecology and Environmental Management (MCIEEM). Luke has a First-Class BSc (Hons) degree in Zoology from the University of Sheffield (2004).
- 1.5.5 Luke has worked as a professional ecologist since 2005, with particular focus on the assessment and mitigation of the ecological impacts of development across a

wide range of development sectors. His experience includes numerous EIA projects, including major linear infrastructure projects such as HS2 Phase 2a and the A120 Little Hadham Bypass.

- 1.5.6 Since 2012 Luke has led No Net Loss (NNL) and Biodiversity Net Gain (BNG) assessments for development projects using a range of metrics (including Defra 2.0) and following published good practice principles. This has included leading the NNL calculations for the c.60km route of HS2 Phase 2a, and advising on best practice approaches to BNG for clients including East West Rail Co. Ltd and the Environment Agency.

1.6 Geology and soils

- 1.6.1 Dan Raynor (Geology and Soils Reviewer) is a Chartered Engineer, a Member of the Institution of Civil Engineers and a Fellow of the Geological Society of London. Dan is the Designer's Geotechnical Advisor for the scheme. Dan has a BSc (hons) in Geology from Cardiff University and an MSc in Engineering Geology (with distinction) from the University of Leeds.
- 1.6.2 Agnieszka Lopez-Parodi (Geology and Soils co-author) is a Chartered Engineer and member of the Institute of Civil Engineers. Agnieszka has a MEng (Hons) degree in Environmental Engineering from the Wroclaw University of Technology, Poland, and BSc (Hons) degree in Applied Sciences from the University of Glamorgan, Wales.

1.7 Material assets and waste

- 1.7.1 Tim Wilkinson is a Chartered Geologist and a Fellow of the Geological Society of London. Tim has a BSc (Hons) degree in Geology from the University of Liverpool (2000) and an MSc in Applied Environmental Geology from Cardiff University (2002). Tim has worked as an engineering geologist for 16 years with experience in contaminated land assessments, geotechnical investigation and design, and environmental impact assessments.
- 1.7.2 Tim has provided input to environmental impact assessments for highways and other infrastructure and building developments over the past 11 years including a number of assessments considering the impact on materials resources.

1.8 Noise and vibration

- 1.8.1 Greg Harris is an Associate in Arup. He holds a diploma in Acoustics and Noise Control (Institute of Acoustics) and a MSc in Acoustics and Noise Control (Open University). He is a member of the Institute of Acoustics.
- 1.8.2 Greg has over 28 years' experience in environmental noise research and consultancy. He has specialised in highway noise assessment, firstly as a researcher and then in consultancy over the last 17 years. As a researcher at the Transport Research Laboratory in Berkshire he worked as part of a research team on traffic noise prediction methods, vehicle noise testing procedures, tyre noise, studies of road surface noise performance (particularly low noise surfaces) and the assessment of noise barrier performance. Greg provided policy advice on various noise matters to UK and European governments and produced various research reports and guidance documents.

- 1.8.3 Greg was a member of the panel of specialists reviewing the revision draft of the noise assessment guidance within the Design Manual for Roads and Bridges (DMRB, 2006). Greg has also drafted guidance on the design of highway noise screening for the Design Manual for Roads and Bridges (2011). More recently Greg has worked with Highways England providing advice on a range of traffic noise issues including the feasibility of a national, network-wide noise modelling system.
- 1.8.4 Greg has carried out highway noise assessment and mitigation design for schemes in all regions of the UK. Recent schemes include the A465 Dualling (Brynmaur to Tredegar in South Wales, the A8 Dualling (Coleman's Corner to Ballyrickard Road) in Northern Ireland, and the M1 widening (J25-J28) in England. He has also advised on noise assessment of highways schemes overseas.
- 1.8.5 Greg has been leading the noise assessment and mitigation design on the A30 Chiverton to Carland Cross (the scheme) since June 2017. As part of the environmental assessment team, he was responsible for assessing the noise and vibration effects associated with the proposed scheme and the development of the mitigation design.
- 1.8.6 The Environmental Statement has been prepared in accordance with the Professional Ethics and Code of Conduct of the Institute of Acoustics.

1.9 Population and human health

- 1.9.1 Allan Pitt MRTPI is a Chartered Town Planner working for Arup with more than nine years' relevant experience including EIA. His qualifications include a BSc in City and Regional Planning and an MSc in Regeneration Studies, both from the Cardiff University School of City and Regional Planning.
- 1.9.2 David Brown MRTPI is a Chartered Town Planner working for Arup with more than twelve years' relevant experience including EIA. His qualifications include a BSc in Human Geography and an MSc in Regeneration Studies, both from the Cardiff University School of City and Regional Planning.
- 1.9.3 Rowena Ekermawi is a Chartered Environmentalist. She holds a BSc in Environmental Biology and an MSc in Environmental Assessment and Management. She is currently working towards a Master of Public Health and has undertaken numerous Health Impact Assessments and Equality Impact Assessments for similar assessment work on the A30 Chiverton to Carland Cross scheme on behalf of Highways England and A40 Improvement Projects on behalf of the Welsh Government.

1.10 Road drainage and the water environment

- 1.10.1 Tom Styles is a Senior Consultant at Arup with 10 years' professional experience following a BSc in Geography (University of Southampton) and an MSc in Catchment Dynamics and Management (University of Leeds). Tom is a Chartered Water and Environmental Manager (CWEM), Chartered Scientist (CSci) and Chartered Environmentalist (CEnv), as well as a Practitioner Member of the Institute of Environmental Management and Assessment (IEMA). He has authored, co-authored and reviewed a number of ES water assessments as well as associated assessments including Water Framework Directive assessments, Flood Risk Assessments and drainage strategies.

- 1.10.2 Les Brown is a Senior Engineer with 21 years' professional experience as a hydrogeologist following a PhD in hydrogeology (University of Huddersfield) and an MSc in engineering geology (University of Durham). Les is a member of the International Association of Hydrogeologists and is a specialist in limestone hydrogeology.

1.11 Climate

- 1.11.1 Damien Canning is the climate topic lead for the project. Damien works within Arup's Resilience, Energy and Climate Change group where he develops and manages a broad range of work across the environmental sustainability spectrum. Damien is a Chartered Environmentalist and holds an MSc in Carbon Management. Damien has specialised in climate change with experience across both greenhouse gas emissions mitigation and climate change resilience. He is an experienced carbon management practitioner and has delivered a number of baseline projects. He is a competent user of a range of lifecycle assessment and carbon quantification tools. Damien has seven years practitioner experience and has led, contributed to, or provided technical review to a number of EIAs across transport sectors.