

**A57 Link Roads
TR010034**

**6.5 Environmental Statement
Appendix 1.1 Competent Expert Evidence**

APFP Regulation 5(2)(a)

Planning Act 2008 Infrastructure Planning (Applications: Prescribed
Forms and Procedure) Regulations 2009

1. Introduction

1.1 Purpose of this report

- 1.1.1 The Environmental Impact Assessment (EIA) process reported in this Environmental Statement (ES) has been coordinated and undertaken by a team of competent and qualified experts who are registered with the relevant institutions and/or chartered. This team has been made up of key individuals who have the relevant and appropriate experience in their respective topics.
- 1.1.2 Evidence of competency of the EIA technical leads, with responsibility for various chapters, including qualifications and relevant experience, is provided in the following table.

Topic	Name	Relevant academic qualifications	Relevant professional qualifications	Other relevant experience
Environment Lead	Liz Young	<ul style="list-style-type: none"> • BSc (Hons) Environmental Chemistry • PhD Chemistry (Environmental Health) 	<ul style="list-style-type: none"> • Chartered Environmentalist (CEnv) • Full Member of the Chartered Institute of Environmental Management and Assessment (IEMA) 	<ul style="list-style-type: none"> • 16 years' experience in effective interdisciplinary project coordination, specialising in Environmental Impact Assessment and Management of major infrastructure schemes for a variety of sectors • 6 years' experience as Environment Lead for Major Projects for Highways England and other highways authorities through all project stages, from optioneering through to construction • Responsibilities include leading multi-disciplinary environmental specialists and working collaboratively with the wider project team, ensuring that environmental and sustainable solutions are fully integrated.
Air Quality Lead	Susie Robinson	<ul style="list-style-type: none"> • BSc (Hon) Environmental Science • MSc Applied Meteorology and Climatology 	<ul style="list-style-type: none"> • Chartered Scientist (CSci) • Member of the Institute of Air Quality Management (IAQM) • Member Institution of Environmental Science (IES) 	<ul style="list-style-type: none"> • 18 years' experience in environmental and air quality consultancy • Experience of air quality assessment for a wide range of infrastructure projects including road and rail schemes from planning stage through to construction. Clients have included Highways England, HS2, Transport for London and other regional and local authorities. • Key project experience: High Speed 2 Phase One air quality lead, M62 Junction 26 Chain Bar Roundabout air quality lead, A5036 Port of Liverpool Stage 1 technical reviewer, Silvertown Tunnel Reference Design air quality modeller, M25 J2 to J5 air quality modeller, M25 J23 to J27 air quality modeller, Cogges Link Road Oxfordshire air quality modeller. • Air quality specialist at public consultations, draft order exhibitions and public meetings. • Preparation of proofs of evidence to support air quality expert witness at inquiry stage.

Topic	Name	Relevant academic qualifications	Relevant professional qualifications	Other relevant experience
Cultural Heritage Lead	Sandra Honeywell	<ul style="list-style-type: none"> MA (Hons) Archaeology MA Archaeology of Buildings 	<ul style="list-style-type: none"> Member of the Chartered Institute of Archaeologists 	<ul style="list-style-type: none"> 18 years' experience in heritage consultancy Extensive project experience in the preparation of heritage assessments for infrastructure projects as part of the EIA process Key project experience: Transpennine Route Upgrade; Havant Thicket Reservoir; M2 Junction 5; Wylfa Newydd project; A14 Cambridge to Huntingdon, Liverpool Waste Water Treatment Works extension.
Landscape and Visual Lead	Jacqueline Macleod	<ul style="list-style-type: none"> BSc (Hons) Landscape Management MSc Dip Integrated Landscape Planning and Practice 	<ul style="list-style-type: none"> Chartered Member of the Landscape Institute 	<ul style="list-style-type: none"> 16 years' experience in landscape architecture in the UK. Extensive experience in large scale infrastructure projects for Highways England and Transport Scotland as LVIA lead. Provided technical review of LVIA reports submitted through the planning process for many Transport Scotland highways schemes. Expert witness experience in preparation of proofs of evidence to support landscape and visual effect of A9 Dualling Northern Section Public Local Inquiry.
Biodiversity Lead	Alex Watson	<ul style="list-style-type: none"> B.Sc. (Hons) Applied Biology 	<ul style="list-style-type: none"> Full member of the Chartered Institute of Ecology and Environment Management (CIEEM) 	<ul style="list-style-type: none"> 25 years' experience of ecological consultancy. Completed numerous Ecological impact assessments as part of Environmental Statements, Habitat Regulations Assessments and other ecological assessments across a wide spectrum of sectors. Transportation ecology technical specialist. Ecology technical lead on transportation projects across the UK. Expert witness.

Topic	Name	Relevant academic qualifications	Relevant professional qualifications	Other relevant experience
Noise and Vibration Lead	Adam Lawrence	<ul style="list-style-type: none"> BEng (Hons) Electroacoustics 	<ul style="list-style-type: none"> Fellow of the Institute of Acoustics (FIOA) Chartered Engineer (CEng) 	<ul style="list-style-type: none"> 25 years' experience in acoustics, noise and vibration consultancy Extensive highways experience, including: A21 Tonbury to Pembury, South Bristol Link, M25 J16-23 widening and M25 J28 Experienced expert witness for highways projects, including DCO and Public Inquiries
Geology and Soils	Kathryn Ellis	<ul style="list-style-type: none"> BSc (Hons) Geology MSc Environmental Geochemistry 	<ul style="list-style-type: none"> Fellow of the Geological Society (FGS), Chartered Scientist (CSci), Qualified Person (QP) under the CL:AIRE Definition of Waste Code of Practice 	<ul style="list-style-type: none"> 18 years' experience of the risk assessment and remediation of contaminated land. Has successfully provided technical inputs regarding land contamination, geology and soils into large infrastructure and development projects. Provided technical review of geo-environmental reports submitted through the planning process, many for highways schemes. Undertaken declarations associated with sustainable reuse of soils.
	Dan Welch (Contaminant Hydrogeology)	<ul style="list-style-type: none"> BSc (Hons) Resource and Applied Geology MSc – Hydrogeology 	<ul style="list-style-type: none"> Chartered Geologist (CGeol) European Geologist (EurGeol) Registered Ground Engineering Professional (RoGEP) 	<ul style="list-style-type: none"> 15 years' experience in contaminant hydrogeology and controlled waters risk assessment Extensive experience in Environmental Impact Assessment and across a range of sectors, including transport.
Agricultural Lead	Paul Wright	<ul style="list-style-type: none"> BA (Hons) Geography MSc Soil Survey and Pedology 	<ul style="list-style-type: none"> Fellow of the British Society of Soil Science 	<ul style="list-style-type: none"> 40 years' experience of soil survey, agricultural land classification and agricultural consultancy and author of a number of books and scientific papers on those subjects Has worked on numerous EIAs for linear infrastructure projects including highways and is HS2 Infrastructure Directorate's Soil and Agriculture Topic Lead.

Topic	Name	Relevant academic qualifications	Relevant professional qualifications	Other relevant experience
Road Drainage and the Water Environment	Roshni Surdevan (Lead)	<ul style="list-style-type: none"> BSc (Hons) Environmental Science (Energy) MSc – Biology of Water Resource Management 	<ul style="list-style-type: none"> Chartered Environmentalist (CEnv) Chartered Scientist (CSci) Member of the Chartered Institution of Water and Environmental Management (CIWEM, C.WEM) 	<ul style="list-style-type: none"> 15 years' experience in environmental impact assessment specialising in water quality assessments. Experienced in undertaking impact assessments to highway and rail schemes, including HEWRAT assessments. Experienced in undertaking water quality monitoring and analysis.
	Philip Pasco (Flood Risk Assessments)	<ul style="list-style-type: none"> BSc (Hons) Geography 	<ul style="list-style-type: none"> Member of Chartered Institute of Water and Environmental Management (AMCIWEM) 	<ul style="list-style-type: none"> 5 years' experience in undertaking strategic and site-specific Flood Risk Assessments. Experienced in undertaking flood risk modelling, including 1D, 1D-2D linked and 2D software packages
	Anne Harding (Water Framework Compliance Assessment)	<ul style="list-style-type: none"> BSc (Hons) Geophysical Science MSc – River Basin Dynamics and Management with GIS 	<ul style="list-style-type: none"> Graduate Member of Chartered Institute of Water and Environmental Management (GradCIWEM) 	<ul style="list-style-type: none"> 5 years' experience in undertaking environmental impact assessments, specialising in WFD compliance. Experienced in undertaking geomorphological and catchment-wide assessments.
Material Assets and Waste Lead	Alexandra Evans	<ul style="list-style-type: none"> BSc (Hons) Environmental Science 	<ul style="list-style-type: none"> Full Member of the Chartered Institute of Resource and Waste Management (MCIRWM) 	<ul style="list-style-type: none"> 14 years' experience in environmental consultancy Undertaken work on material assets and waste impact assessments for a wide range of infrastructure projects, including highways and rail

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Population and Health Lead	Paddy McEntee	<ul style="list-style-type: none"> • B.A. (Hons.) Geography • M.Sc. Applied Environmental Science 	<ul style="list-style-type: none"> • Member Chartered Institution of Water and Environmental Management • Chartered Environmentalist • Chartered Water and Environmental Manager 	<ul style="list-style-type: none"> • 20 years in environmental consultancy • Extensive experience in Environmental Impact Assessment and Strategic Environmental Assessment across a range of sectors, including transport. • Health Impact assessment for transport plans and schemes, including those in the north of England • Have worked with a number of cross government working groups on topics such as climate change and adoption of SuDS in Northern Ireland • Past-Chairman of the Northern Ireland Branch of the Chartered Institution of Water and Environmental Management (CIWEM).
Climate	Freya Crunden (Carbon Lead)	<ul style="list-style-type: none"> • BSc (Hons) Geography 	<ul style="list-style-type: none"> • Chartered Environmentalist (CEnv) • Full Member of IEMA (MIEMA) 	<ul style="list-style-type: none"> • 7 years' experience in carbon assessment and management • Has been carrying out Effects on Climate assessments for EIA since the requirement began in 2017 • Has delivered numerous effects on climate assessments for Highways England schemes, including M2 J5, M25 J10, M25 J29 and A2 Bean-Ebbsfleet • Has carried out carbon assessments for a range of other project types including rail, residential, industrial and commercial, and mixed-use urban developments.
	Matt Shipton (Vulnerability Lead)	<ul style="list-style-type: none"> • BSc (Hons) Geography and Environmental Sciences • MSc, Water Resources Management Faculty of Engineering • MSc unit, Humanitarian Engineering for Development and Disasters 	<ul style="list-style-type: none"> • Member of the Chartered Institution of Water and Environmental Management (CIWEM, C.WEM), • CEnv, CSci, CGeog 	<ul style="list-style-type: none"> • 15 years' experience in assessments of vulnerability to climate change • Technical lead for UK EIA, completing assessments for local and national scale Highways England Schemes, including A2 Bean-Ebbsfleet, A46, M621, M5J10, A46, M2J5, M25 (J10, 25 & 28), as well as for proposed residential, commercial and public developments.

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Cumulative Effects	Ben Twiss	<ul style="list-style-type: none"> • BSc (Hons) Geography • MSc Environmental Impact Assessment & Management 	<ul style="list-style-type: none"> • Associate member of IEMA (AIEMA) 	<ul style="list-style-type: none"> • Over 5 years' experience in EIA / environmental coordination and carrying out cumulative effects assessments for major infrastructure projects, including highways schemes. • Previously carried out cumulative effects assessments for NSIPs and projects consented through the Town and Country Planning Act and the Town and Country Planning (General Permitted Development) (England) Order 2015.

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