

M3 Junction 9 Improvement

Scheme Number: TR010055

6.3 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**

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Infrastructure Planning

Planning Act 2008

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

M3 Junction 9 Improvement
Development Consent Order 202[x]

6.3 ENVIRONMENTAL STATEMENT - APPENDIX 1.1: COMPETENT EXPERT EVIDENCE

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1 Competent Expert Evidence

1.1 Competent experts

1.1.1 **Table 1.1** provides details of the competent experts that have prepared the M3 Junction 9 Improvement Environmental Statement.

Table 1.1: Competent Experts

Discipline	Pen Profile
Stantec	<p><u>Core Competencies</u> Stantec is a founder member of the Institute of Environmental Management and Assessment’s (IEMA) Environmental Impact Assessment (EIA) Quality Mark scheme for quality in EIA. Stantec has a dedicated EIA team that specialises in leading the EIA process for development projects, including land development, regeneration, energy, and infrastructure projects. Stantec typically leads 10-20 EIA projects each year. Each of Stantec’s EIA team have suitable academic and professional qualifications, with professional qualifications including Principal EIA Practitioner, Practitioner and Associate membership of IEMA, member of Royal Town Planning Institute and Chartered Environmentalist.</p> <p><u>Relevant Accreditations</u> IEMA EIA Quality Mark (renewed 2018), ISO9001 and ISO14001</p>

Discipline	Pen Profile
EIA Coordinator	<p><u>Qualifications</u> BA(Hons), Chartered Environmentalist (CEnv), Chartered Water and Environmental Manager (CWEM), Member of the Chartered Institution of Water and Environmental Management (MCIWEM), Member of the Chartered Institute of Ecology and Environmental Management (MCIEEM)</p> <p><u>Relevant Experience and Expertise</u> The EIA Coordinator is a Chartered Environmentalist and Chartered Water and Environmental Manager with 30 years' experience in the environmental impact assessment and environmental management of major infrastructure projects. He has acted as project director / manager for over 250 Environmental Impact Assessments / Environmental Management Plans / Strategic Environmental Assessments / Sustainability Appraisals including for highway, railway, busway, runway, and motorway service areas. Andy has acted as an expert witness at public inquiries in Scotland, Wales and England dealing with a range of environmental issues in connection with highways schemes. He has delivered training courses to students, construction site staff and members of professional organisations on environmental impact and management of projects and written best practice guidance in relations to environmental assessment and management including for the European Commission.</p> <p>He has particular experience in Nationally Significant Infrastructure Projects (NSIPs) including transport, gas, nuclear and wastewater through all stages of the Development Consent Order (DCO) process including examination. He has provided training and delivered workshops on the process and worked on over 10 NSIPs.</p>

Discipline	Pen Profile
Air Quality Lead Author	<p><u>Qualifications</u> BSc (Hons), MIAQM, IEnvSc</p> <p><u>Relevant Experience and Expertise</u> The author is the Technical Lead of the UK Air Quality Team at Stantec and has over 20 years air quality consultancy experience. The author has undertaken detailed air quality assessments of emissions from transportation sources associated with a wide range of development and infrastructure, as well as industrial and energy related developments.</p>
Cultural Heritage Lead Author	<p><u>Qualifications</u> BSc (Hons), MSc, PhD, CEnv, MCIEEM, MCIfA</p> <p><u>Relevant Experience and Expertise</u> The author is the Technical Director for archaeology and Heritage at Stantec. She has >25 years' experience in the sector, leading on the paleoenvironmental and archaeological inputs for a number of major infrastructure and utility projects including HS1 for Wessex-Oxford JV, Silchester Environs, Thames Water pipelines and Highways England Schemes. The author is a Senior Visiting Research Fellow in the department of Archaeology, University of Reading.</p>
Landscape and Visual Lead Author	<p><u>Qualifications</u> BA (Hons), Chartered Member of the Landscape Institute</p> <p><u>Relevant Experience and Expertise</u> The author has 14 years of relevant experience as a Landscape Architect and has led landscape and visual impacts assessments for multiple highway projects, including the Lower Thames Crossing, the A585 Windy Harbour to Skip pool Bypass, Trans-Pennine Upgrade, the M56 J11A and most recently the Warrington Western Link Road.</p>

Discipline	Pen Profile
Biodiversity Lead Author	<p><u>Qualifications</u> BSc (Hons), MSc, CEnv, MCIEEM</p> <p><u>Relevant Experience and Expertise</u> The author has over 15 years of experience relating to biodiversity issues in the context of environmental impact assessment, development schemes and the land use planning system. He has worked with planners, developers, and contractors at all project stages from optioneering/feasibility, through assessment to delivery. He holds various species survey and development licences and is specialist in ornithological survey design and impact assessment, as well as undertaking HRAs for infrastructure, flood defence, aviation and energy schemes.</p>
Geology and Soils Lead Author	<p><u>Qualifications</u> BEng, MSc</p> <p><u>Relevant Experience and Expertise</u> The author has 19 years' experience in geotechnical and geo-environmental engineering across a full range of greenfield and brownfield land development schemes. A Project Manager within the geotechnical and geo-environmental team, the author is responsible for all commercial and technical aspects of project management and engineering from small to large scale land development projects. She has considerable experience in pre-acquisition constraints identification, mitigation and remediation design, planning support and preparation of environmental impact assessments (EIA). The author experience includes working as part of a team to successfully secure planning for Nationally Significant Infrastructure Projects and attendance at planning inquiries.</p>

Discipline	Pen Profile
Lighting Lead Author	<p><u>Qualifications</u> MSc BSc MIEMA CEnv</p> <p><u>Relevant Experience and Expertise</u> The author leads Stantec’s light pollution assessment service that offers clients advice on the environmental effects associated with external lighting on a wide- ranging portfolio of infrastructure and development projects. He has extensive experience of environmental management at all stages of a project development from feasibility, through design and site supervision during construction. The author UK project experience covers a diverse range of projects including residential, sustainable urban extensions, storage & distribution, new roads, water distribution pipelines, waste and potable water treatment site upgrades, flood and coastal risk management projects and plans, and waterway restoration schemes. The author is ideally suited to this positioned by running Stantec UKs environmental lighting assessments.</p>
Material Assets and Waste Lead Author	<p><u>Qualifications</u> BSc (Hons), Member CIWM</p> <p><u>Relevant Experience and Expertise</u> The author has over 17 years’ experience of working in the waste and resource management industry including working in local government, private waste management companies, and consultancy. The author is involved in the development and review of waste management strategies and the development of specific schemes and facilities. These include infrastructure need, and development, as well as technology assessments and operational site reviews. The author has worked on a number of residential, commercial, hotel and mixed-use development projects and has worked closely with the waste authorities, developers and architects to ensure appropriate waste and recycling infrastructure is incorporated, and a workable, efficient servicing and logistics regime is assessed and implemented.</p>

Discipline	Pen Profile
<p>Noise and Vibration Lead Author</p>	<p><u>Qualifications</u> MEng (Hons), CEng MIOA</p> <p><u>Relevant Experience and Expertise</u> The author has had a range of experience in dealing with noise and vibration matters, working for private developers, individuals, and the public sector throughout the UK. He has significant experience in carrying out planning assessments of residential schemes, leisure venues, schools, offices and industrial sites. He has specialist knowledge in building and environmental acoustics and is adept at utilising computer modelling to assist in successful project delivery.</p>
<p>Population and Health Lead Author</p>	<p><u>Qualifications</u> MA Social Sciences, MSc Urban Development</p> <p><u>Relevant Experience and Expertise</u> The author is a Member of the Institute of Economic Development and a Member of the Economic Development Association Scotland</p> <p>The author is an economist planner with more than 30 years' experience across the private & public sectors in the UK and overseas. He has expertise in economic and strategy development, planning and economic analysis, infrastructure development, monitoring and appraisal. His work spans major projects, area strategies, energy, road and rail improvements, and major attractions. He lectures in socioeconomic impact analysis and its EIA role.</p>

Discipline	Pen Profile
Road Drainage and the Water Environment Lead Author	<p><u>Qualifications:</u> BSc (Hons), MSc, C.WEM, CEnv, MCIWEM</p> <p><u>Relevant Experience and Expertise:</u> The author is a Chartered Member of the Chartered Institution of Water and Environmental Management and Chartered Environmentalist and leads Stantec’s hydrology and hydraulic modelling team. She has also worked on a range of private sector clients, providing advice, and undertaking Flood Risk Assessments and Environmental Statements, and is experienced in applying national policy and guidance with regard to flood risk. She is familiar with a range of techniques and software including the Flood Estimation Handbook (FEH) and supplementary documents, FRQSIM, TUFLOW, Flood Modeller ISIS, Mike11, HEC-RAS and MapInfo.</p>
Climate Lead Author	<p><u>Qualifications</u> BSc (Hons), MSc, CEnv, C Geog</p> <p><u>Relevant Experience and Expertise</u> The author has over 20 years of consultancy experience providing a broad range of energy and climate change assessments in the infrastructure and development sectors. As a director at Stantec the author leads a number of complex projects delivering zero and low carbon technology. The author also leads Stantec UKs work in climate repair and Nature Based Solutions for reducing greenhouse gas emissions.</p>