

Lower Thames Crossing

9.221 Hearing speaker biographies

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Lower Thames Crossing

9.221 Hearing speaker biographies

List of contents

		Page number
1	Introduction	1
	1.1 Purpose	1
2	Helen Bowkett	3
	2.1 Profile	3
	2.2 Hearings	3
3	Nick Clark	4
	3.1 Profile	4
	3.2 Hearings	4
4	John Clark-Hughes	5
	4.1 Profile	5
	4.2 Hearings	5
5	Suki Coe	6
	5.1 Profile	6
	5.2 Hearings	6
6	Sarah Collins	7
	6.1 Profile	7
	6.2 Hearings	7
7	David Cook	8
	7.1 Profile	8
	7.2 Hearings	8
8	Sarah Cork	9
	8.1 Profile	9
	8.2 Hearings	9
9	Russel Cryer	10
	9.1 Profile	10
	9.2 Hearings	10
10	Adrian Dawes	11
	10.1 Profile	11
	10.2 Hearings	11

11	Emily Dawson.....	12
	11.1 Profile	12
	11.2 Hearings	12
12	Clare Donnelly.....	13
	12.1 Profile	13
	12.2 Hearings	13
13	Lisa Driscoll.....	14
	13.1 Profile	14
	13.2 Hearings	14
14	Barney Forest.....	15
	14.1 Profile	15
	14.2 Hearings	15
15	Federico Fragala	16
	15.1 Profile	16
	15.2 Hearings	16
16	Tim Gloster.....	17
	16.1 Profile	17
	16.2 Hearings	17
17	Mohammed Halli	18
	17.1 Profile	18
	17.2 Hearings	18
18	Tom Henderson.....	19
	18.1 Profile	19
	18.2 Hearings	19
19	Gary Hodge.....	20
	19.1 Profile	20
	19.2 Hearings	20
20	Keith Howell	21
	20.1 Profile	21
	20.2 Hearings	21
21	Andrew Kay.....	22
	21.1 Profile	22
	21.2 Hearings	22
22	Alistair Kean	23
	22.1 Profile	23
	22.2 Hearings	23

23	Steve Knott.....	24
	23.1 Profile	24
	23.2 Hearings	24
24	Bruce Lascelles	25
	24.1 Profile	25
	24.2 Hearing	25
25	Mustafa Latif-Aramesh	26
	25.1 Profile	26
	25.2 Hearings	26
26	Emma Long	27
	26.1 Profile	27
	26.2 Hearing	27
27	Helen Pope	28
	27.1 Profile	28
	27.2 Hearings	28
28	Alison Powell	29
	28.1 Profile	29
	28.2 Hearing	29
29	John Rhodes	30
	29.1 Profile	30
	29.2 Hearings	30
30	Steve Roberts.....	31
	30.1 Profile	31
	30.2 Hearings	31
31	Richard Saville	32
	31.1 Profile	32
	31.2 Hearings	32
32	Graham Stevenson	33
	32.1 Profile	33
	32.2 Hearings	33
33	Isabella Tafur.....	34
	33.1 Profile	34
	33.2 Hearings	34
34	Andrew Tait Kings Counsel	35
	34.1 Profile	35
	34.2 Hearings	35

35	Tim Wright.....	36
35.1	Profile	36
35.2	Hearings	36

1 Introduction

1.1 Purpose

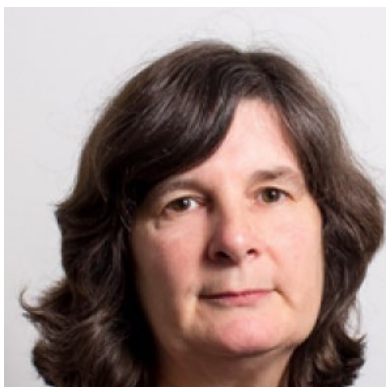
- 1.1.1 This document has been prepared by the Applicant for submission to the Examining Authority, to identify who spoke at each A122 Lower Thames Crossing Development Consent Order (DCO) hearing and to provide a biography for each speaker. The list of speakers is provided in Table 1.1.
- 1.1.2 Those who spoke at the hearings are competent experts with the relevant experience in their respective specialist topics. Biographies of these individuals are included in Sections 2 to 35. These are presented in alphabetical order based on surname.
- 1.1.3 The individuals are part of a wider team of professionals involved in the Examination.

Table 1.1 Applicant speakers at each hearing

Speaker	OFH1	ISH1	ISH2	OFH2	OFH3	OFH4	ISH3	ISH4	ISH5	ISH6	ISH7	CAH1	CAH2	CAH3	CAH4	ISH8	ISH9	ISH10	CAH5	ISH11	ISH12	OFH5	ISH13	ISH14
Helen Bowkett		x						x																
Nick Clark		x								x							x			x				
John Clark-Hughes									x							x				x				
Suki Coe														x		x			x	x	x			
Sarah Collins														x		x								
David Cook		x																						
Sarah Cork																				x				
Russel Cryer										x					x		x		x	x				
Adrian Dawes																					x			
Emily Dawson																					x			
Clare Donnelly							x																	x
Lisa Driscoll									x								x			x				
Barney Forest		x					x		x	x						x								x
Federico Fragala									x															
Mohammed Halli								x								x								x
Tom Henderson	x	x	x	x		x	x			x		x	x		x		x	x				x		
Gary Hodge							x										x							
Keith Howell		x													x				x					
Andrew Kay							x			x					x					x				
Alistair Kean																						x		
Steve Knott																					x			
Andrew Tait KC							x	x		x		x	x	x	x	x	x	x	x	x	x		x	x
Bruce Lascelles																	x							
Mustafa Latif-Aramesh		x	x		x			x	x		x			x		x		x	x				x	x
Emma Long										x							x							
John Rhodes OBE																		x						
Helen Pope																					x			
Alison Powell										x							x							
Steve Roberts		x					x			x								x						
Richard Saville															x				x					
Graham Stevenson								x										x						
Isabella Tafur								x	x			x	x	x	x						x			x
Tim Gloster																			x					
Tim Wright		x		x	x		x	x	x		x			x				x					x	x

2 Helen Bowkett

2.1 Profile



- 2.1.1 Helen Bowkett is the Traffic and Economics Lead on the Lower Thames Crossing and is a Senior Technical Director at Arcadis.
- 2.1.2 Helen wrote the Combined Modelling and Appraisal Report, The Traffic Forecasts: Non-Technical Summary and co-authored the Transport Assessment.
- 2.1.3 Helen has nearly 40 years' experience in the modelling and appraisal of transport schemes across rail, bus, road, cycling and walking modes. She has worked in consultancy, in local government at Kent County Council where she led on the transport modelling for new developments in North Kent, and in central government where she led on the transport modelling and appraisal of Welsh transport projects. She is the author of the Welsh Transport Appraisal Guidance and serves on the DfT's Joint Analytical Development Panel which advises the DfT on the development of their Transport Appraisal Guidance. She acted as an external reviewer for the recent revisions by Transport Scotland to the Scottish Transport Appraisal Guidance. She is a Visiting Professor at the University of the West of England and teaches on transport modelling and appraisal.
- 2.1.4 Helen holds the following qualifications: MA Philosophy, Politics and Economics from Jesus College Oxford, MSc Transport from Imperial College London and University College London, MBA Durham, MA Applied Social Research from University of the West of England, Postgraduate Certificate Spatial Data Analysis and Visualisation from UCL, PhD Transport Modelling from University of the West of England and Chartered Transport Planning Professional (CTPP). Helen is a Fellow of the Chartered Institute of Highways and Transportation.
- 2.1.5 Helen has led on the transport modelling of a wide range of transport schemes including revision of North Wales rail services, proposed new rail lines and stations in North Kent, Newtown bypass, Caernarfon bypass, new M4 relief road in South Wales, Marjons bus only link road in Plymouth, an Elizabeth Line station at Woolwich and Fastrack bus rapid transit services in Kent Thameside.

2.2 Hearings

- 2.2.1 Helen has spoken at ISH1 and ISH4.

3 Nick Clark

3.1 Profile



- 3.1.1 Nick is the Lead Ecologist on the Lower Thames Crossing and Director of Ecology at Jacobs, with over 20 years' experience as a professional ecologist.
- 3.1.2 Nick holds a BSc (Hons) in Zoology and MSc in Oceanography. He is a Chartered Environmentalist (CEnv), and a full member of the Chartered Institute of Ecology and Environmental Management (MCIEEM).
- 3.1.3 Nick's consultancy experience includes acting as lead ecologist on major infrastructure schemes, energy company developments including nuclear new builds, flood risk management and alleviation projects for the Environment Agency, site redevelopments, and long-term planning options appraisals for utilities companies. Nick has acted as Expert Witness during DCO Examination, at public inquiry and as a technical expert at planning meetings and appeal hearings.
- 3.1.4 Nick's work has required the production of Environmental Statements, European Protected Species mitigation licences, mitigation designs and habitat creation and management plans, Strategic Environmental Assessments, and Habitat Regulations Assessments, as well as the management of large-scale ecological surveys and site enabling works.
- 3.1.5 Nick has a background in nature conservation, having previously managed Thames Water's conservation enhancement programme across all its land holdings, including nationally and internationally designed wildlife sites, as well as managing a number of their nature reserves. Prior to this, Nick worked for Cornwall Wildlife Trust as Wildlife Project Officer.

3.2 Hearings

- 3.2.1 Nick has spoken at ISH1, CAH3, ISH6, ISH9 and ISH11.

4 John Clark-Hughes

4.1 Profile



- 4.1.1 John Clark-Hughes is the Tunnel Construction Lead on the Lower Thames Crossing and Subject Matter Expert for Jacobs, with over 40 years' experience in the industry and 4 years on the Lower Thames Crossing project.
- 4.1.2 John co-authored the materials which fed into the Consultation documents on Construction and provided the envelope of construction activities upon which the Environmental Assessment and other DCO materials were based. John provided guidance regarding the Construction programme for breakdown of work activities, durations and precedence relationships to determine critical path.
- 4.1.3 John holds the following qualifications: BSc Civil Engineering from University of Birmingham, MSc Construction Management from University of Nottingham, PGDip Law, Chartered Engineer, Member of the Institution of Civil Engineers (MICE), Member of the British Tunnel Society (BTS).
- 4.1.4 Over 25 years of John's experience has been in positions of senior authority. John has been Project Director, Framework Director, Design Director, Engineer to the Contract and NEC Project Manager on a wide variety of tunnel and heavy civil engineering projects and frameworks. Tunnel projects have included water, rail and highway tunnels in a range of geological conditions including chalk and limestone both above and below the water table. These projects include The Lee Tunnel, Channel Tunnel Rail Link and The Dublin Port Tunnel and have ranged in diameter up to and including the current largest diameter tunnel project constructed in the UK and Ireland.

4.2 Hearings

- 4.2.1 John has spoken at ISH5, ISH8 and ISH11.

5 Suki Coe

5.1 Profile



- 5.1.1 Suki Coe is the DCO and Planning Manager on the Lower Thames Crossing and a Senior Associate Director at Jacobs. Suki has been with Jacobs for 7 years and is a Chartered Town Planner with more than 30 years' experience in Local Government and the Private Sector.
- 5.1.2 Suki holds an MA in Town and Country Planning and has been a Full Member of the Royal Town Planning Institute since 1992.
- 5.1.3 Suki provided technical Town Planning support including the preparation of the Planning Statement to articulate the Project's policy accordance at all stages of the DCO process and supported the project team throughout examination on a variety of topics including Worker Accommodation, Public Open Space and Special Category Land.
- 5.1.4 She has experience of a variety of DCO Projects including A14, A428 and A12 highways DCO projects. Her other DCO projects included the Southampton to London Pipeline Project.

5.2 Hearings

- 5.2.1 Suki has spoken at CAH3, ISH8, CAH5, ISH11 and ISH12.

6 Sarah Collins

6.1 Profile



- 6.1.1 Sarah Collins is the Head of Land, Property and Compensation for Lower Thames Crossing.
- 6.1.2 Sarah has worked on highways schemes for 27 years and specialises in compulsory purchase/acquisition.
- 6.1.3 Prior to working on the Lower Thames Crossing, Sarah led the Land and Property team in the Complex Infrastructure Programme in National Highways, overseeing the land assembly for A14 Cambridge to Huntingdon through both DCO and Delivery phases and A303 Amesbury to Berwick Down (Stonehenge) scheme.

6.2 Hearings

- 6.2.1 Sarah has spoken at CAH3 and ISH8

7 David Cook

7.1 Profile



- 7.1.1 David is the Head of Strategic Operations and Maintenance on the Lower Thames Crossing and a Project Director at Arcadis, with 15 years' experience in the field.
- 7.1.2 David holds a Bachelor of Engineering degree with honours from the University of Kent and is a Chartered member of the Institution of Engineering and Technology.
- 7.1.3 David leads the Strategic Operations and Maintenance team, providing oversight as to how the design of the Project would support effective future operations and asset management. David led the development of the Road User Charging Statement and co-authored sections of the Need for the Project.
- 7.1.4 Prior to working on the Lower Thames Crossing, David led the operation and maintenance of the Dartford Crossing as well as being involved in the design and operation of a number of other highways and road tunnels.

7.2 Hearings

- 7.2.1 David has spoken at ISH1. He also attended ASI1.

8 Sarah Cork

8.1 Profile



- 8.1.1 Sarah Cork is the Geology and Soils Lead on the Lower Thames Crossing, and Principal Consultant within the Site Evaluation and Restoration team at Arcadis with 22 years' experience in the field.
- 8.1.2 Sarah holds a Masters degree in Science with honours in Geology from the University of Bristol and is a Fellow of the Geological Society.
- 8.1.3 Sarah managed and co-authored the ES Chapter 10 Geology and Soils and it's supporting appendices relating to land contamination.
- 8.1.4 Sarah is an experienced land quality consultant and has supported numerous Local Authorities, Government Bodies and private developers in the assessment and management of land contamination. Sarah has detailed experience of the planning, EIA and Part 2A regulatory regimes, having successfully managed and delivered multiple land contamination projects for a range of clients including National Highways, the London Legacy Development Corporation Planning Policy and Decisions Team, the Defence Infrastructure Organisation, Crossrail, Thames Water, Network Rail, the Canal and River Trust and numerous local councils.

8.2 Hearings

- 8.2.1 Sarah has spoken at ISH11.

9 Russel Cryer

9.1 Profile



- 9.1.1 Russel Cryer is an Ecologist, employed by Jacobs, specialising in Habitat Regulations Assessment (HRA) on the Lower Thames Crossing.
- 9.1.2 Russel has 40 years' experience as an ecologist, of which 22 has been in consultancy and 4 years with LTC.
- 9.1.3 Russel is the HRA Specialist who led the team that produced the Habitat Regulations Assessment - Screening Report and Statement to inform an Appropriate Assessment. He was also closely involved in the development of the assessment of nitrogen deposition impacts.
- 9.1.4 Russel holds the following qualifications: Chartered Environmentalist, Society for the Environment, 2005 and B.Tech (Hons) Applied Biology (Ecology), University of Bradford, 1983.
- 9.1.5 Russel has over 20 years' experience of supporting infrastructure projects in ecological assessment, specialising in Habitat Regulations Assessment. Before this, he spent 18 years in the nature conservation field, primarily working on nature reserve management. He has experience in the voluntary, public and private sectors and has worked on projects including infrastructure such as trunk roads, new nuclear build, pipelines, electricity transmission and waste management facilities.

9.2 Hearings

- 9.2.1 Russel has spoken at ISH6, CAH4, ISH9, CAH5 and ISH11.

10 Adrian Dawes

10.1 Profile



- 10.1.1 Adrian Dawes is the Environment Senior Advisor on the Lower Thames Crossing. He is employed by Jacobs and has over 35 years' experience.
- 10.1.2 Adrian is a senior technical advisor supporting the Environment Lead, providing oversight of EIA assessment and reporting with a focus on compliance with statutory requirements and planning guidance.
- 10.1.3 Adrian has the following qualifications: MSc Pollution and Environmental Control, Chartered Environmentalist (CEnv), Member of Institute of Environmental Assessment and Management. Adrian has represented the Hong Kong Government on several international committees including the IMO Scientific Group and APEC Marine Conservation Working Group.
- 10.1.4 Adrian has provided technical direction of EIA on a wide variety of infrastructure development projects, both in the UK and internationally. He has led environmental assessment studies on National Highways major projects from early stages of route planning through to providing support during DCO examination. Adrian has considerable transferrable experience in other sectors including nuclear energy and ports and marine works.

10.2 Hearings

- 10.2.1 Adrian has spoken at ISH12.

11 Emily Dawson

11.1 Profile



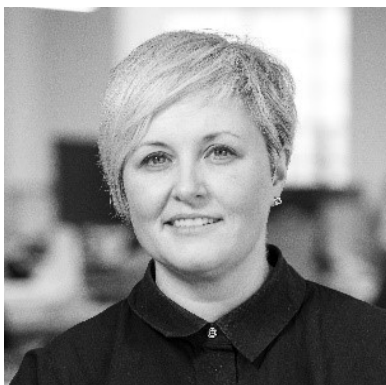
- 11.1.1 Emily Dawson is the Head of Benefits on the Lower Thames Crossing and has been working on National Highways' largest and most complex new road projects for 7 years.
- 11.1.2 Her team leads the development and delivery of the Lower Thames Crossing legacy programme. She is also responsible for ensuring that the Strategic Case for the scheme robustly reflects the case for investment in the South East and the wider benefits that the investment will unlock for people in the region.
- 11.1.3 Emily previously worked for Cambridgeshire Chambers of Commerce where she supported local business growth and lobbied government to invest in key infrastructure, including the A14 Cambridge to Huntingdon improvement scheme.
- 11.1.4 Emily is a chartered member of the association of project management.

11.2 Hearings

- 11.2.1 Emily has spoken at ISH12.

12 Clare Donnelly

12.1 Profile



- 12.1.1 Clare Donnelly is the Lead Architect on the Lower Thames Crossing and Director of Fereday Pollard.
- 12.1.2 Clare holds a Masters Degree from Cambridge University and a Dip Arch from the University of Sheffield. She is a registered architect with the ARB and RIBA. Clare has 20 years' experience of architecture and landscape design in the Transport and Infrastructure sectors, specialising in embedding architectural thinking within infrastructure projects to drive better value and stakeholder outcomes. Clare has worked at all stages of infrastructure projects from advocating the need for high quality design, production of initial concepts, developing design principles and gaining consent (including three DCOs and a Hybrid Bill) to writing contractual information and ultimate delivery on the ground.
- 12.1.3 Clare is a member of the National Infrastructure Commission Design Group. The purpose of this group is to inspire, promote and champion design excellence in all nationally significant infrastructure projects. Clare formed part of the steering group that oversaw the development of the NIC Design Principles, which were adopted by Government in 2020.
- 12.1.4 Clare leads a team of architects and landscape architects that developed the coordinated LTC Design with the Engineering, EIA, Land and Property and Stakeholder Engagement Teams. She led the development of the Project Design Report and the Design Principles within the application.

12.2 Hearings

- 12.2.1 Clare has spoken at ISH3 and ISH14.

13 Lisa Driscoll

13.1 Profile



- 13.1.1 Lisa Driscoll is the Road Drainage and Water Environment Lead on the Lower Thames Crossing and an Associate Technical Director for Arcadis.
- 13.1.2 She has 20 years' experience in water environment consultancy.
- 13.1.3 Lisa co-authored the Environmental Statement chapter (surface water aspects), and several of its supporting appendices (Hydromorphology Impact Assessment, Operational Drainage Pollution Risk Assessment). She also authored the Water Framework Directive Assessment.
- 13.1.4 Lisa has a BSc (Hons) in Environmental Biology from Swansea University and an MSc in Environmental Water Management from Cranfield University. She is a Chartered member of the Institution of Water and Environmental Management (C.WEM, MCIWEM)
- 13.1.5 Specific career experience includes Water Environment lead role on several Development Consent Order applications, including for highways and energy projects. In these roles Lisa has provided her technical advice and applied her experience during pre-application and through the DCO examination phases, including representation at discipline specific hearings.

13.2 Hearings

- 13.2.1 Lisa has spoken at ISH5, ISH9 and ISH11.

14 Barney Forest

14.1 Profile



- 14.1.1 Barney Forrest is the Environment Lead on the Lower Thames Crossing and a Senior Associate Director at Jacobs with 19 years' experience in the field.
- 14.1.2 Barney holds a Bachelor of Science degree with honours in Genetics from the University of Edinburgh, a Master of Science in Environmental Management from the University of Stirling and is a chartered member of the Institute of Environmental Management and Assessment.
- 14.1.3 Barney led the Environment Team which wrote the Environmental Statement, Habitat Regulation Assessment, Health and Equalities Impact Assessment and the outline Landscape and Ecology Management Plan.
- 14.1.4 Prior to working on the Lower Thames Crossing Project, Barney supported the development and delivery of Thames Tideway Tunnel, a major piece of wastewater infrastructure in London.

14.2 Hearings

- 14.2.1 Barney has spoken at ISH1, ISH3, ISH5, ISH6, ISH8 and ISH14. Barney has also attended ASI1, ASI2 and ASI3.

15 Federico Fragala

15.1 Profile



- 15.1.1 Federico Fragalà is the Hydrogeology Lead on the Lower Thames Crossing and a Technical Director and hydrogeology discipline lead at COWI UK, with over 20 years' experience in the field.
- 15.1.2 Federico holds a Bachelor of Science degree in Geological Sciences from the University of Catania (Italy) and a PhD in Water Resources (Hydrogeology) from the School of Civil Engineering and Geosciences at Newcastle University (UK). He is a fellow (FGS) and chartered geologist (CGeol) of the Geological Society of London.
- 15.1.3 Federico has supported and reviewed the authoring of the Hydrogeological Risk Assessment and its annexes, and the hydrogeological elements of the Road Drainage and the Water Environment ES Chapter. He has led the engagement with relevant stakeholders on hydrogeological aspects.
- 15.1.4 Prior to LTC he worked on the impact assessment of numerous road infrastructure projects including major schemes such as the Aberdeen Western Peripheral Route, Forth Replacement Crossing, Dunkettle Interchange and N69 Lystowel Bypass. He has acted as Hydrogeology technical lead on the A303 Amesbury to Berwick Down (Stonehenge) Tender Design and is an Associate Director on the High Speed 2 (HS2) C2-C3 sections providing senior technical advice and review on hydrogeology matters.

15.2 Hearings

- 15.2.1 Federico has spoken at ISH5.

16 Tim Gloster

16.1 Profile



- 16.1.1 Tim Gloster is the Deputy Land and Property Manager on the Lower Thames Crossing and an Associate Chartered Surveyor at Arcadis with over 11 years' experience.
- 16.1.2 Tim holds a BSc in Land Management from the University of Reading and is a member of the Royal Institution of Chartered Surveyors.
- 16.1.3 Tim led engagement with landowners affected by the Lower Thames Crossing proposals and, together with the wider Land and Property Team, authored the Statement of Reasons and land and property input into all DCO application documents.
- 16.1.4 Tim has extensive experience with development consent order applications for nationally significant infrastructure projects, including the Thames Tideway Tunnel.

16.2 Hearings

- 16.2.1 Tim has spoken at CAH5. Tim has also attended ASI1, ASI2 and ASI3.

17 Mohammed Halli

17.1 Profile



- 17.1.1 Mohammed Halli is the Construction Lead on the Lower Thames Crossing and an Associate Director of Construction Management at Jacobs. With an extensive background spanning over 15 years in the construction industry, Mohammed is a Chartered Engineer of the Institution of Civil Engineers.
- 17.1.2 Mohammed holds a First Class (Hons) Bachelor of Science degree in Civil Engineering and has supplemented his knowledge with a MSc in Sustainable Concrete Structures.
- 17.1.3 Mohammed has supported the authoring of multiple documents for the DCO Application, most notably the Outline Materials Handling Plan, Outline Traffic Management Plan for Construction, Temporary Works Plan, and Chapter 2 – Project Description of the Environmental Statement. Additionally, he has led technical engagement with key stakeholders on project matters related to the construction field, ensuring effective collaboration, and addressing their requirements as presented in the Statements of Common Ground.
- 17.1.4 Mohammed's expertise spans various phases of construction projects and sectors, including highways, aviation, and heavy civil works. He has progressed over various roles working as a site engineer, up to a Construction Director responsible for overseeing the successful delivery of multiple projects.

17.2 Hearings

- 17.2.1 Mohammed has spoken at ISH4, ISH8 and ISH14.

18 Tom Henderson

18.1 Profile



- 18.1.1 Tom Henderson is a partner, solicitor and board member at the law firm BDB Pitmans LLP. He is also dual qualified as a barrister. Tom holds an MA in Geography from the University of Cambridge.
- 18.1.2 Tom leads the BDB Pitmans legal team advising National Highways on the promotion of the Lower Thames Crossing DCO application. He has been a legal adviser on the project since 2014.
- 18.1.3 Since 2006 Tom has specialised in the promotion of major infrastructure projects, with a particular focus on the Development Consent Order regime since the Planning Act 2008 regime came into force. He has advised on numerous DCO projects in both the transport and energy sectors. For National Highways, he led the successful promotions of the A19 Testo's Junction and Downhill Lane DCO schemes.

18.2 Hearings

- 18.2.1 Tom has spoken at OFH1, ISH1, ISH2, OFH2, OFH4, ISH3, ISH6, CAH1, CAH2, CAH4, ISH9, ISH10 and OFH5.

19 Gary Hodge

19.1 Profile



- 19.1.1 Gary Hodge is the Technical Lead on the Lower Thames Crossing and a Technical Director of highways at COWI.
- 19.1.2 Gary is a Civil Engineer and Member of the Institute of Civil Engineers with over 45 years' experience predominantly on major highway schemes.
- 19.1.3 He has been involved with the Lower Thames Crossing project for 9 years and was the highways lead during the options and preliminary design phases.
- 19.1.4 Gary attended the majority of the consultation events and ensured that feedback was heard, considered and subsequently reflected on for development of the design. He is currently working closely with stakeholders through their SoCG.
- 19.1.5 Gary supported authoring of the Project Design Report and The Design Principles.

19.2 Hearings

- 19.2.1 Gary has spoken at ISH3 and ISH9. Gary also attended ASI1, ASI2, ASI3 and ASI5.

20 Keith Howell

20.1 Profile



- 20.1.1 Keith Howell is the Utilities Development Lead on the Lower Thames Crossing and a Utilities Construction Discipline Specialist in Major Programmes at Jacobs, with 21 years' experience in construction and engineering.
- 20.1.2 Keith is a Member of the Chartered Institution of Highways and Transportation and a Member of the Institute of Royal Engineers. Keith holds a Bachelor of Science degree with first class honours in Construction from the University of Kent and a Higher National Diploma in Engineering Surveying from the Royal School of Military Engineering.
- 20.1.3 Keith authored Annex 2 to the Explanatory Memorandum and Appendix 1.3 of the Environmental Statement 'Assessment of proposed gas pipeline works for the purposes of section 20 of the Planning Act 2008'. Keith also supported the authoring of multiple application documents, notably the draft Development Consent Order, Statement of Common Ground with the Statutory Undertakers, Utility Owners and Regulators, Work Plans, Temporary Work Plans, Land Plans, Engineering Drawings and Sections (Volume H) (Overhead Diversion Routes and Pylon General Arrangement), Environmental Masterplan and Chapter 2 of the Environmental Statement 'Project Description'.

20.2 Hearings

- 20.2.1 Keith has spoken at ISH1, CAH4 and CAH5.

21 Andrew Kay

21.1 Profile



- 21.1.1 Andrew Kay is the Landscape Design Lead on the Lower Thames Crossing and Associate Landscape Architect at LDA Design.
- 21.1.2 Andrew has 13 years' experience working as a Landscape Architect and over 5 years working on the Lower Thames Crossing Project.
- 21.1.3 Andrew led the landscape design by integrating the project route and mitigation proposals into the landscape as part of a cohesive design. The landscape design model formed part of the overall Environmental Masterplan. He authored the Outline Landscape and Ecology Management Plan document and assisted in the production of the Project Design Report, Design Principles and Design Guide.
- 21.1.4 Andrew holds a BA (Hons), Dip LA, Chartered member of the Landscape Institute.
- 21.1.5 He has worked on a number of large-scale infrastructure projects across a variety of sectors, ranging from nuclear power, high speed rail, renewables and large-scale housing developments.

21.2 Hearings

- 21.2.1 Andrew has spoken at ISH3, ISH6, CAH4 and ISH11.

22 Alistair Kean

22.1 Profile



- 22.1.1 Alistair Kean is the Head of Sustainability on the Lower Thames Crossing and the Director for Sustainability at COWI UK Ltd and has 37 years' experience as an environmental geologist.
- 22.1.2 Alistair had particular focus on carbon emissions reduction and authored the Sustainability Statement and the Carbon Strategy and Policy Alignment in the Planning Statement. He also managed the production of the ES Climate Chapter and the Carbon & Energy Management Plan.
- 22.1.3 Alistair has the following qualifications: BSc., MSc., DIC, FGS, C.Geol., SiLC
- 22.1.4 Alistair has worked on a wide variety of redevelopment and infrastructure projects including roads, railways, energy and industrial projects.

22.2 Hearings

- 22.2.1 Alistair has spoken at ISH12.

23 Steve Knott

23.1 Profile



- 23.1.1 Steve Knott is the Landscape and Visual Lead on the Lower Thames Crossing and Landscape Lead at Jacobs and has 37 years' experience in the field.
- 23.1.2 Steve authored ES Chapter 7 Landscape and Visual and oversaw preparation of the Environmental Masterplan.
- 23.1.3 Steve holds the following qualifications: BA, Dip LA, CMLI.
- 23.1.4 Steve joined Jacobs in 2015, where he is a Senior Associate Director of Landscape Architecture and currently acts as Landscape lead for LTC. He is a Chartered Member of the Landscape Institute and works across landscape and visual impact assessment, environmental masterplanning and landscape design. His project sector experience encompasses a wide range of project work including several highways projects. Over the last ten years, Steve has specialised in Nationally Significant Infrastructure Projects (NSIPs) and has acted as Landscape discipline lead and expert witness for two previous Development Consent Order applications.
- 23.1.5 Steve has worked with the author of the 'Landscape Institute and Institute of Environmental Management and Assessment, Guidelines for Landscape and Visual Impact Assessment, Third Edition 2013' to develop the practical application of the guidelines at the project level and promote best practice.
- 23.1.6 Outside work, Steve is a Landscape Institute examiner for the 'Pathway 2 Chartership' professional practice examination.

23.2 Hearings

- 23.2.1 Steve has spoken ISH11.

24 Bruce Lascelles

24.1 Profile



- 24.1.1 Bruce is the Soil and Agriculture Technical Lead on the Lower Thames Crossing, employed by Arcadis, and has 33 years' experience in the field.
- 24.1.2 Bruce is a soil scientist and land use specialist and authored the soils, Agricultural Land Classification and agricultural operations sections of the ES Soils and Geology Chapter and the Population and Human Health Chapter.
- 24.1.3 Bruce holds the following qualifications: BSc Forestry and Soil Science, PhD Soil Science, MCIEEM, FISoilSci, CEnv.
- 24.1.4 Bruce is UK Director of Sustainable Land Management at Arcadis and a past President of the British Society of Soil Science. Bruce has a degree and PhD in Soil Science looking at environmental change in North Wales over the last 10,000 years. Following a period of undertaking research on various aspects of soils (particularly on soil erosion) Bruce became an environmental consultant where he has worked on aspects of the inter-relationships between the physical environment and plant and animal communities (including the development of habitat creation and restoration techniques), the impact on soils, ecology and hydrology from land use change and on surveying and mapping soil and land use types across the UK. Bruce has worked on a wide range of projects, including numerous linear major infrastructure projects across the highways and energy sectors, authoring Environmental Statement chapters, developing Soil Management Plans and supervising the implementation of appropriate soil management during the construction phase.

24.2 Hearing

- 24.2.1 Bruce has spoken at ISH9.

25 Mustafa Latif-Aramesh

25.1 Profile



- 25.1.1 Mustafa Latif-Aramesh is a Partner and Parliamentary Agent at BDB Pitmans LLP. He is a Solicitor and Legal Advisor for National Highways on the Lower Thames Crossing. Mustafa is the author of the Draft Development Consent Order and the Explanatory Memorandum.
- 25.1.2 He has advised on over twenty nationally significant infrastructure projects over the course of the last decade, including numerous transport made DCOs (e.g. A19 Testo's, A19 Downhill Lane, M42 Junction 6). Mustafa has advised on DCO projects and infrastructure reform across the spectrum of promoters, local authorities, Government and regulators.
- 25.1.3 Mustafa was appointed by Parliament as a Parliamentary Agent, authorised to draft and promote legislation. Mustafa holds a Bachelor (Hons) from King's College London and is a qualified solicitor.

25.2 Hearings

- 25.2.1 Mustafa has spoken at ISH1, ISH2, OFH3, ISH4, ISH5, ISH7, CAH3, ISH8, ISH10, CAH5, ISH13 and ISH14.

26 Emma Long

26.1 Profile



- 26.1.1 Emma Long is the Environmental Design Advisor on the Lower Thames Crossing and a Principal Environmental Consultant at Arcadis with 19 years' experience in the field.
- 26.1.2 Emma holds a Doctor of Philosophy in Zoology and Bachelor of Science degree with honours in Tropical Environmental Science from the University of Aberdeen and is a full member of the Chartered Institute of Ecology and Environmental Management and a Chartered Environmentalist.
- 26.1.3 Emma coordinates the technical teams responsible for authoring the Cultural Heritage, Landscape and Visual, Terrestrial Biodiversity and Marine Biodiversity Chapters of the Environmental Statement, and the team delivering the Habitat Regulations Assessment – Screening Report and Statement to Inform an Appropriate Assessment.
- 26.1.4 Emma has supported the delivery of the Environmental Assessments to inform the Options Phase of the Project and was the Ecology Lead during the early stages of the Development Phase following the preferred route announcement, before taking on the role of EIA Coordinator. Emma has also worked on a number of other National Highways projects providing ecological advice and undertaking survey and assessments to support delivery of Environmental Statements. On other projects, Emma has also undertaken project management roles for post-consent construction phase ecological clerk of works teams, including coordination of pre-construction survey, protected species licensing and implementation of mitigation.

26.2 Hearing

- 26.2.1 Emma has spoken at ISH6 and ISH9.

27 Helen Pope

27.1 Profile



- 27.1.1 Helen Pope is the Landscape Assessment Specialist on the Lower Thames Crossing and an Associate Director of Landscape at Jacobs, with 16 years' experience in the field.
- 27.1.2 Helen holds a Bachelor of Science degree with honours in Landscape Design and Ecology and a Diploma in Landscape Architecture from the University of Sheffield and is a Chartered Member of the Landscape Institute.
- 27.1.3 Helen supported the authoring of the Landscape and Visual Impact Assessment in Environmental Statement Chapter 7: Landscape and Visual, as well as the associated appendices.
- 27.1.4 Helen has undertaken numerous Landscape and Visual Impact Assessments of infrastructure schemes for Environmental Statements, including other Development Consent Orders for National Highways.

27.2 Hearings

- 27.2.1 Helen has spoken at ISH11.

28 Alison Powell

28.1 Profile



- 28.1.1 Alison Powell is the Population and Human Health Lead on the Lower Thames Crossing and Senior Technical Director within the Planning and Environment Team at Arcadis. She is the Arcadis Discipline Lead for Socio-Economics, which includes Health and Equality Impact Assessment, and has been working in this field for 27 years.
- 28.1.2 Alison has a Bachelor of Arts degree with honours in Geography from Royal Holloway University of London and an MSc in City and Regional Planning from Cardiff University. She is a Member of the Royal Town Planning Institute.
- 28.1.3 Alison has authored Environmental Statement Chapter 13: Population and Human Health, as well as the Health and Equalities Impact Assessment.
- 28.1.4 Alison has been environmental lead for topics including socio-economics, people and communities, and population and human health for a variety of infrastructure projects across the UK, including other National Highways schemes. She has led health and equality impact assessments for projects of various scales and complexity, ensuring a holistic approach is taken to assessment and identifying appropriate mitigation.

28.2 Hearing

- 28.2.1 Alison has spoken at ISH6 and ISH9.

29 John Rhodes

29.1 Profile



- 29.1.1 John is a founder and Senior Director of Quod, a planning consultancy. Quod has provided strategic planning and assurance advice to National Highways on the Lower Thames Crossing since early 2021.
- 29.1.2 John has extensive experience across a range of planning and infrastructure projects including Hinkley Point C, Sizewell C, Thames Tideway Tunnel, Silvertown Tunnel, aviation and rail projects.
- 29.1.3 John was one of the group of 4 practitioners appointed to advise the Government on the first draft NPPF in 2010-12 and chaired the Government's Local Plans Expert Group, which recommended reforms to the local plan process, in 2015.

29.2 Hearings

- 29.2.1 John has spoken at ISH10.

30 Steve Roberts

30.1 Profile



- 30.1.1 Steve Roberts is the Design and Engineering Director on the Lower Thames Crossing and a Senior Technical Director with Arcadis, with over 25 years of experience in the design and delivery of major infrastructure projects, particularly in the transport sector.
- 30.1.2 Steve holds a Bachelor of Engineering degree with honours from the University of Leeds, is a Chartered Civil Engineer (CEng), a Fellow of the Institution of Civil Engineers (FICE), a Member of the Chartered Institute of Highways and Transportation (MCIHT) and a Member of the Association for Project Management (MAPM).
- 30.1.3 Steve led the preparation of the Preliminary Design which underpins the DCO submission. He also coordinated the Project Design Report which documents the design evolution and design rationale for the Project, and the Design Principles, which set out particular requirements for the detailed design of the Project.
- 30.1.4 Steve has many years of experience in the design and development of local and strategic Highway schemes, both in the UK and overseas. This includes scheme appraisal, traffic modelling, traffic Engineering, and highway alignment and junction design. Additionally, Steve has extensive experience of designing public transport infrastructure and provision for non-motorised users.
- 30.1.5 Steve's other major project experience includes key roles on Crossrail, where he was part of the Liverpool Street and Whitechapel station delivery teams and later went on to lead the Bored Tunnels team. Steve also led the design of significant elements of the London 2012 Olympic Park, including Structures, Bridges and Highways and elements of the Landscaping and Public Realm.

30.2 Hearings

- 30.2.1 Steve has spoken at ISH1, ISH3, ISH6 and ISH10. Steve has also attended ASI1, ASI2 and ASI3.

31 Richard Saville

31.1 Profile



- 31.1.1 Richard Saville is a Senior Surveyor on the Lower Thames Crossing and an Associate with Arcadis NV with over 35 years' experience in the field.
- 31.1.2 Richard holds a Bachelor of Arts degree with honours in Geography from the University of Leeds, as well as a Diploma in Surveying (Rural Practice) with Merit from The University College of Estate Management.
- 31.1.3 Richard qualified as a Chartered Surveyor (Rural Practice) in 1995 and is also an accredited RICS Registered Valuer.
- 31.1.4 Richard has been working full-time on the Lower Thames Crossing Project for over 4 years. He has extensive previous experience of compulsory purchase considerations for projects and road schemes through his roles as Regional Estates Manager at the National Trust (A3 Hindhead Tunnels, A21 Lamberhurst bypass and A23 Handcross to Warninglid Widening schemes) and at the Environment Agency which included major coastal and inland flood defence works (including Thames2100 and the River Thames Scheme).

31.2 Hearings

- 31.2.1 Richard spoke at CAH4 and CAH5.

32 Graham Stevenson

32.1 Profile



- 32.1.1 Graham Stevenson is the Transport Planning Lead on the Lower Thames Crossing and a Senior Associate Director of Transport Planning at Jacobs with 19 years' experience in the field.
- 32.1.2 Graham holds a Bachelor of Arts degree with honours in Geography from the University of Birmingham and is a chartered member of the Chartered Institute of Logistics and Transport
- 32.1.3 Graham authored the Framework Construction Travel Plan and Traffic Forecasts Non-Technical Summary and supported the authoring of the Transport Assessment.
- 32.1.4 Graham has supported National Highways on the delivery of its Spatial Planning Frameworks in a number of regions across England, supporting sustainable local economic growth whilst protecting the safety and operation of the strategic road network. Graham has also worked on a variety of strategic studies for National Highways and Transport for London.

32.2 Hearings

- 32.2.1 Graham spoke at ISH4 and ISH10.

33 Isabella Tafur

33.1 Profile



- 33.1.1 Isabella Tafur is a leading junior at the Planning Bar specialising in infrastructure planning.
- 33.1.2 Isabella has qualifications in Bar Vocational Course (Outstanding), The College of Law, 2009; Graduate Diploma in Law (Distinction), The College of Law, 2007; BA(Hons) Modern History (II.I), St Catherine's College, Oxford University, 2004

33.2 Hearings

- 33.2.1 Isabella has spoken at ISH4, ISH5, CAH1, CAH2, CAH3, CAH4, ISH11 and ISH14.

34 Andrew Tait Kings Counsel

34.1 Profile



34.1.1 Andrew Tait (Kings Counsel) is a barrister specialising in infrastructure planning.

34.1.2 Andrew was Head of Chambers from 2012 to 2022. He chaired the Planning and Environment Bar Association (PEBA) from 2016 to 2019, having been vice-chairman from 2012 to 2016. He has been Bencher of the Inner Temple since 2011 and has acted as a mentor to Inner Temple students since 1990. He became an Assistant Parliamentary Boundary Commissioner for England in 2000.

34.2 Hearings

34.2.1 Andrew has spoken at ISH3, ISH4, ISH6, CAH1, CAH2, CAH3, CAH4, ISH8, ISH9, ISH10, CAH5, ISH11, ISH12, ISH13 and ISH14.

35 Tim Wright

35.1 Profile



- 35.1.1 Dr Tim Wright is the Head of Consents on the Lower Thames Crossing and a Technical Director at Jacobs.
- 35.1.2 Dr Wright has worked with National Highways on the development of the Lower Thames Crossing since 2016, and as Head of Consents since 2020. He has worked with all of the technical teams to ensure that the proposals meet the scheme objectives and has provided guidance and support during engagement with multiple stakeholders.
- 35.1.3 Tim is a hydrogeologist and chartered geologist with over 20 years' experience. Since 2008, he has worked on the delivery of large construction programmes with significant infrastructure elements in the UK and overseas, both in the planning and the construction stages, including: London 2012 Olympic Games, 2022 FIFA World Cup Qatar and Tideway.

35.2 Hearings

- 35.2.1 Tim spoke at ISH1, OFH2, OFH3, ISH3, ISH4, ISH5, ISH7, CAH3, ISH10, ISH13 and ISH14.

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