

CV for DENE WARREN: Date 29/06/2021

Nationality British
Year of Birth 1958
Profession Chartered Civil and Structural Engineer
Specialisation Construction & Design

SUMMARY

Currently undertaking ad-hock voluntary work: Roade Food Bank Oct 2020 to May 2021; Food4Heros Dec 2020; SJA since April 2021; RVS since March 2020
Hobbies: Diving, Gym, Travelling, Technology and DIY.

Commercial Work History: Extensive experience in the construction industry. Eighteen years' engineering Design & consultancy; Six years' onsite construction management and seven years' Lectureship in civil engineering. This includes 10 years' as a self-employed consultant.

EDUCATION AND PROFESSIONAL STATUS

MSc Building Information Modelling Management (BIMM), 2019 Graduated with Distinction.

National Grid Principal Designer (Pre-Contract), 2015

European Engineer

Chartered Engineer

BSc (Hons) Structural Engineering, University of Sussex, 1980

Post Compulsory Certificate in Education, 1995

Member of the Institution of Civil Engineers

Member of the Institution of Structural Engineers (CPD annotation achieved)

EXPERIENCE RECORD

Retired from commercial work, 2019 to date.

Currently retired and undertaking ad-hock voluntary work.

Roade Food Bank Oct 2020 to May 2021 I helped pack and distribute food parcels.

Food4Heros Dec 2020 I coordinated the delivery of 1021 Christmas meals across south Northamptonshire.

Since March 2020, Marshalling patients during the Covid-19 vaccination programme RVS

Since April 2021 attend 6 to 8 shifts a week at the Royal Pavilion vaccination centre as a patient carer/advocate on behalf of St John Ambulance.

Pursuing academic interests and research in BIM

Pursuing Diving hobby.

2017 to 2019 Academic Student - Middlesex University

MSc Building Information Modelling Management (BIMM) at Middlesex University London 2017. Full time study. Graduated with Distinction.

2007 – 2017 Commercial Employment Mott Macdonald Group

Senior Engineer, Team Leader and Design Manager for multi-discipline design teams. Supporting the maintenance and construction of National Grid (electricity) assets and infrastructure. My role was to talent manage a team of engineers including coaching and professional development of civil and structural engineers to chartership. I also managed client liaison and had overall responsibility for quality assurance.

Wimbledon Substation re-development 2015 – ongoing- National Grid

Team Leader and Design Manger for multi dicpline design of GIS, 8 supergrid TX

and 2 Shunt Reactors. Involved design of risk reduction for flood noise fire, and unknown ground conditions in a restricted urban environment.

National Grid Flood Defence Programme 2010 - 2015

Phase II Review and design Development of over 100 National Grid substations for flood defence. Principle designer, programme coordinator and client lead for a multidisciplinary environmental team for flood defence, liaison with statutory bodies, EA and National Grid.

Phase I (38 substation sites at risk of a 1:200 event). As programme coordinator and client lead we have been able to demonstrate high performance and value for money in delivery. During the first four weeks of phase one of the programme we supplied multi-disciplinary teams to 18 site meetings, covering 26 substation sites across the country and within three weeks of each meeting were able to supply a flood defence scheme agreed with the site occupants.

HVDC Western Link, National Grid/SSE Joint Venture – 2014 – 2016

Bi-directional HV-DC Link between Hunterston East and Flintshire Bridge via the Irish Sea. Civil engineering design assurance support for Flintshire Bridge Converter Station site and for 30km of onshore DC cable to the onshore/offshore interface. All the civil engineering design, (supported by M&E specialists) including foundation, structure, cable installation, fire, and M&E design were reviewed.

CNI Enhanced Security Fence – 2010 - 2015

Lead design assurance of security fencing of thirty substations throughout the country. This work included guidance on the security standard of design, perimeter intruder detection and building hardening, governance of design and incorporation of best practise and value for money in National Grid Substations.

Walham Flood Defence 2012

Lead design engineer for flood defence team, co-ordinating a multidisciplinary team, liaison with statutory bodies, EA and National Grid. I coordinated the design and delivery on time and below budget.

Hinkley GIL Connection – 2013

Design coordinator for the replacement of existing HVAC oil filled cable link in Oxford. This work included production of the route option study of XLPE cable and Gas Insulated Line GIL, coordination of design engineers, geological study and client liaison.

South East Electricity Substation Alliance (SEESA) – Joint Venture between National Grid, Areva, Skanska and Mott MacDonald – 2009 – 2015

Undertaking design verification and assurance for the provision and renewal of substations and associated infrastructure. Projects included 400kV, 275kV and 132kV substation civil asset inspections and appraisals, structural modifications and remedial works and new building projects. Individual projects have involved new and existing GIS buildings, transformer installation and associated oil containment, substation plant, support structures, gantries, drainage, and temporary works.

Skanska Grant Rail Joint Venture Limited (SGRJV), Docklands Light Rail

Civil, structural and mechanical and electrical (M&E) design and design co-ordination of 33kV and 11kV traction power substations and switch rooms.

1998 – 2007 Civil and Structural Engineer (Self Employed)

Working as D R Warren Associates, clients included Roulton Group Ltd, Watson Hallam Ltd, Northampton, Milton Keynes Development Agency and MK Borough Council. Projects were structural and civil design of industrial, educational and domestic developments in common construction materials. Both led and assisted the planning application and design of industrial, education and housing projects. Contributed towards environmental impact assessments, as well as the supervision of geological investigations, proposed ground improvements, and sustainable urban drainage solutions. This included design of foundations exposed to gas and contaminated ground, water courses, river and culvert design. Undertook structural inspection of listed buildings to produce condition reports, advised on the conservation and preservation of listed buildings, designing remedial/refurbishment work and co-ordinated site work with underwriters and contractors.

1997 – 1998 Project Manager (Onsite)

House Construction and Barn Conversion – Undertook the design, supervision and management of the contractor to bring the project in on time and to budget.

1990 – 1997 University of Northampton Senior Lecturer, BSc Construction Management and HND Civil Engineering

Lectured Civil Engineering Construction, Soil Mechanics, Mathematics, Surveying and Concrete Technology. Research into the strength of concrete fixings in cracked concrete. Findings presented to the Concrete Research Conference at Imperial College, London, in July 1995.

1989 – 1990 Scott White & Hookins

Engineering Manager, Bedford – Led a design team covering work ranging from large-scale retail developments, with associated road and drainage works, to domestic underpinning. The role involved the design of pre-cast and in situ concrete and steel frames and foundations, masonry and timber design, quality assurance; computer-based structural analysis and element design, contract administration, job specifications and AutoCAD drawing work.

1988 – 1989 Michael Barclay Partnership

Design Engineer, London Sloane Square Development – A mixture of new build and refurbished residential occupancy, responsible for this project valued at £1.5 million. Also responsible for the majority of in situ, reinforced concrete design and scheduling, calculations and architect liaison under the supervision of a partner. Also undertook computer based structural analysis.

1984 – 1988 Fredric Brand Partnership

Onsite Resident Engineer, Northampton St James' Retail Park – As the resident engineer, supervised the development of the St James' Retail Park design and build contract with Bowmer and Kirkland valued at £7 million which included vibro-compaction ground improvement.

Design Engineer, Chelmsford – Gained design experience with steel, concrete, timber and masonry. Responsible for design and liaison with the client and architect. Computer-based structural analysis CSC Fastrack and element design.

1982 – 1984 Norwest Holst Civil Engineering Ltd

Assistant Quantity Surveyor, A38 Plymouth Bypass – Assistant quantity surveyor responsible for all site measures, associated site records and the site diary. Responsible for interim and final measure for all structural work and handled subcontractors' accounts.

Section Engineer, Plymouth – As a site engineer responsible for the dimensional setting out of road lines, bridge bearings and soffit. Responsibility included day-to-day running of a number of structures including retaining walls, drainage and

bridges.

1980 – 1982 S M Tidy (Public Works) Ltd

Site Agent/Engineer - Brighton - Project management. Working closely with the general foreman to programme work, order materials (including cement stabilised pulverised fuel ash) and supervised all dimensional setting out. Chaired site meetings, liaised with the client and kept site records.

LANGUAGE CAPABILITY

English : Mother tongue
French : Spoken - basic
Spanish : Spoken - basic

PUBLICATIONS

1. Journal Paper: Improving Productivity by the Automation of Checking of 3D Parametric Modelling, August 2020, International Journal of Safety and Security Engineering 10(4):441-450 <https://www.researchgate.net/>

2. Conference paper: Parametric Modelling In Construction: Investigating The Quality Of Rule-Based Checking. Presented at The Wessex Institute of Technology (WIT) International BIM Conference in Saville in October 2019. Published online at: <https://www.witpress.com/>

3. Book "Civil engineering construction: design and management." Macmillan Press Limited, July 1996. Warren, D R. ISBN 0-333-63682-1. <https://www.macmillanihe.com/page/detail/Civil-Engineering-Construction-Design-and-Management/?K=9780333636824>

REFERENCES

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