

TA07 - Skill & Care Certificate

We certify that reasonable professional skill and care have been used in the preparation of the public

lighting and electrical design of the scheme noted below.

Scheme title: 02137 Development at Dinting Vale.

Location: Glossop, Derbyshire.

With a view to:

1. The design has been undertaken by competent designers as defined in BS5489-1, electrical installations defined as a Skilled Person in BS7671 and are measured against the Institution of Lighting Professionals (ILP) 'Competency for Lighting Professionals' framework document.
2. That reasonable professional skill and care were used to ensure that the street lighting & electrical design has been carried out in accordance with the Authority's requirements as detailed within:

Derbyshire County Council's 'Street Lighting Specification'
Derbyshire County Council's 'Highway Network Management Plan'
Derbyshire County Council's Highways Development Control process
BS5489-1, BS EN 13201 and appropriate Institution of Lighting Professionals guidance

3. It has been accurately translated into Contract Drawings, which have also been checked. The unique numbers of these drawings are:

02137-01 Proposed Lighting Layout

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Name of Consultant ¹/~~Contractor~~ E.ON Highways Lighting

Name: Steve Mitchell

Signed:



(Design Team Leader¹, ~~Partner¹ / Associates¹ / Director¹~~) Engineering

Qualification² See below and attached ILP Diploma Certificate.

(Design Team Leader)

Notes 1 - Delete as appropriate

2 – AMILP EngTech / MILP IEng (or equivalent) and evidence record of competency

Qualifications: BTEC National Certificate – Electrical & Electronic Engineering
(Distinction)
IOSH Managing Safely
ILE Exterior Lighting Technology Parts 1, 2 & 3
ILP Exterior Lighting Diploma Module 4 Project - Distinction
IPAF Powered Access Licence (Expired)
Power Systems/Powerlearning ERG39
BS7671 IEE Requirements for Electrical Installations
Inspection and Testing of Electrical Equipment (PAT) (Expired)
City and Guilds 2339-17 Electrical Power Engineering
WinDebut LV Network Design

Professional

Membership: Affiliate with the ILP (Working towards IEng).

Professional Experience

- Lead lighting designer for the Stoke-on-Trent Streetlighting PFI 2003 – 2008. This involved liaising with the client and Service Provider to ensure fluidity of designs to meet the demands of the CIP.
- Lighting designer on Newcastle and North Tyneside Streetlighting PFI 2004 – 2005.
- Substantial due diligence during the bidding process for Norfolk PFI. 12 weeks on site work to more accurately model uplift figures and transfer to new connection ratios.
- Lighting designer on Leeds Streetlighting PFI 2006 - 2007
- Lighting designer on Barnet and Enfield Streetlighting PFI 2007
- E.ON Highways Lighting - Blackpool Streetlighting and Traffic Signals PFI, providing technical support and ongoing operational support to design team.
- E.ON highways Lighting - Oldham and Rochdale Streetlighting PFI, providing technical support.
- E.ON Highways Lighting - Coventry Streetlighting PFI, providing technical support and ISDS solutions.
- E.ON Highways Lighting - Nottingham Streetlighting PFI, providing technical support and ISDS/CFT solutions.
- E.ON Highways Lighting - Knowsley Streetlighting and Traffic Signs PFI, providing technical support and ISDS/CFT solutions .
- E.ON Highways Lighting - Lead lighting designer on Staffordshire PFI
- E.ON Highways Lighting – Design Manager

Previous employment history

2000-2002 Stoke-on-Trent City Council – Lighting Technician

2003-2003 AmeyMouchel – Assistant Lighting Engineer

2003-2008 Eclipse Partnership UK – Principal Lighting Engineer

2008 – present E.ON UK Highways Lighting – Design Manager

History:

I have been in the street lighting industry since 1998; originally employed by Stoke-on-Trent City Council as a Data Collection Operative, to collect accurate information as to the profile of the street lighting and illuminated sign stock. This information was then digitised onto the City Council's MapNow software and the unique item description updated on the computerised inventory held on their Mayrise software package.

During my time at Stoke-on-Trent City Council, I became Engineer/Technician in 2000 and was responsible for the delivery of the Capital Programme, SRB schemes, Section 38 & 278 development works, speed camera installation and festive illuminations.

After my departure from the City Council, I progressed to Assistant Road Lighting Engineer with Amey Mouchel. There I was responsible for the design of motorway and trunk road lighting for the MAC 9 area. These duties also included the proposal of schemes to the HA for improvements to existing lighting and other electrical street furniture installations, taking into account environmental and safety legislation.

I then moved to Eclipse Partnership UK Ltd (technical advisors to SSE) as Contracts Development Manager for their Midlands Office. I was responsible for delivering the Stoke-on-Trent PFI Contract. This process involved the complete lighting design of every adopted highway within the City to BS5489 2003 and EN 13201. The design included detailed AutoCad drawings, lighting calculations, risk assessments and considerations in relation to the existing energy network. During my time with Eclipse I designed over 25,000 lighting points, working not only on the Stoke-on-Trent PFI but also Newcastle & North Tyneside and Leeds.

In addition to this, duties included the design of lighting schemes for various house builders throughout the country for new housing estates under Section 38 & 278 agreements. This involved liaising with the respective Local Authorities to attain design briefs and scheme specific lighting specifications for the individual sites.

I have been closely involved in the auditing of various Local Authorities on behalf of United Utilities Plc (13 in total). This work entailed visiting items of street lighting and various other items of street furniture to verify its accuracy as compared to the data supplied to the DNO for energy purposes and also to its compliance with BSCP 520. Lighting columns are tested for power factor, switching regime, capacitance values and wattage etc. The tabulated results of this process were then compiled into a full and concise report, which was then sent to both United Utilities Plc and the respective Local Authority.

Prior to leaving Eclipse I was tasked in preparing an annexure document detailing road length, width, lighting class etc for inclusion with a complete lighting plan for Croydon and Lewisham Councils for the purposes of bidding for PFI credits.

During my time at E.ON I have acted as technical support on a number of PFI's.

In my current role I manage the design team to ensure that the asset renewal program is delivered on time and to provide a 'buffer' of design in order to react to any changes in the monthly program.

I am also responsible for the delivery of 3rd Party designs to the likes of national house builders of which we have a strong portfolio of customers.