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|  | **Paul Phillips**  C.Eng C.Env FICE FPWI MCIHT MIGEM  **Engineering Director (CEM)**  **P A Phillips Associates Ltd.**  **Tel 07885 853924 email paul@paulphillips.ltd** |
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Personal Details

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| Role: | Engineering Director and CEM |
| Home Location: | Bolton, Lancashire |
| Speak / Read / Write English: | Yes / Yes / Yes |
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Personal Profile

Paul is a Chartered Engineer with over 30 years of experience in all forms of Civils and Building contracting. His first five years were spent as a Main Contractor with Amec, during which he spent one year with Arup. Paul’s next ten years were spent with the Mabey Group designing and managing major Temporary Works. Over the past twenty years Paul has acted as CRE and CEM managing Temporary and Permanent Works design teams on D&B terms to meet the Client’s delivery programmes and engineering requirements.

Duties & Responsibilities

* Accountable for all engineering activities associated with the schemes for which he has been appointed
* As described in Network Rail standard NR/L2/INI/02009, notably with respect to the appointment and delegation of roles to CREs, the management of interfacing design disciplines at each GRIP stage, the approval of designs as “Approved for Construction” status, through to the successful Handback of the scheme
* Project and programme management of design and site works
* Consideration of the whole life costing of engineering solutions
* Flexible approach and adaptable to changing needs of a project
* Implementation, monitoring and maintaining of Company procedures for safety and quality
* The building and maintaining of Client confidence
* Entry Into Service Process Management
* Common Safety Management – TSI’s, PAS and SDS preparation
* Qualifications & Memberships
* B.Eng Civil Engineering
* C.Eng Chartered Engineer
* C.Env Chartered Environmentalist
* Personal Track Safety (PTS)
* Fellow of the Institution of Civil Engineers (FICE)
* Fellow of the Permanent Way Institution (FPWI)
* Member of the Institution of Gas Engineers and Managers (MIGEM)
* Member of the Chartered Institution of Highways & Transportation (MCIHT)
* Member of the Society for the Environment

Recent Commission/Client Summary

* 2017 - present Balfour Beatty C E Ltd
* 2017 - 2017 Network Rail NWEP
* 2016 - 2017 Taziker Industrial Group
* 2015 - 2016: Buckingham Group Ltd
* 2014 - 2015: Galliford Try
* 2013 - 2014: Balfour Beatty Rail Ltd
* 2011 - 2013: The Electricity Alliance North
* 2007 - 2011: J Murphy & Sons Ltd
* 2001 - 2007: C Spencer Ltd
* 1991 - 2001: Mabey Support Systems Ltd

Selected Project Experience

**Galliford Try Construction Ltd ( 2020 - )**

New Appointment to carry out CEM duties on Kidsgrove AFA

**Balfour Beatty Civils NW - Engineering Manager (2017- date)**

* Warrington West Railway Station- a new development for Warrington Borough Council. Paul acts as CEM/CRE and Principal Designers Representative. The works involve the design and construction of an AFA railway station c/w platforms, bridges lifts and a 245space carpark. Paul has been the main liaison with the DEBO and NOBO for CSM compliance for the Entry into Service process.

**Network Rail – Senior Project Engineer -Civils (2017 -2017 )**

* NWEP Phase 5 - Ashton under Lyne Station redevelopment.
* NWEP Phase 3,4 & 5 OLE Power Upgrade.

**Taziker Industrial - Engineering Director (2016-17)**

* The Tay Bridge
* Countess Wear Footbridge
* Findhorn Viaduct

**Buckingham Group Contracting - Engineering Manager (2015-16)**

* Runcorn Viaduct refurbishments
* Maghull North Station –a new development
* Warrington West - a new development

**Galliford Try - Engineering Manager (2014-15)**

* Hamilton Square Underground Station
* Moorfields Underground Station in Liverpool
* Newton le Willows Station
* Carlisle Station Roof Refurbishment
* Network Management Centre in Manchester

**Balfour Beatty Rail - Engineering Manager (2013-14)**

* The BCDP CP4 enhanced spend programme of works, including the Metallic Bridges Refurbishment Programme 18№ bridges
* Wreay Slope Drainage Earthworks
* The User gates National Framework, delivering automated local level crossing solutions to private users
* River Teme Viaduct - Single Action Contract to replace a life expired historic cast iron structure in Ludlow

**The Electricity Alliance North - Pre-Construction Engineering Manager (moving to Lead Construction Manager) (2011-13)**

A £500M five year collaborative framework between National Grid, Siemens, PB Power and Murphy to upgrade National Grid’s Power infrastructure to cope with the increase in demand and diversity of incoming supply brought on by the increasing impact on renewable schemes.

**J Murphy & Sons - Development Manager & REM (2007-11)**

Operational Property Framework West - OPFW (Nov 2007):

Responsible for the development of remits from GRIP Stages 2 to 5. The refurbishment of rail infrastructure building refurbishment projects as part of a £35M pa building framework agreement. The works centred on Station buildings, signal boxes and depots. Jobs of particular note include:

* Liverpool Lime Street Virgin First Class lounge - Glu-lam Construction OLE
* Bristol Temple Meads Station Ceiling Refurbishment
* Birkenhead North LMD Roof Replacement
* London Euston Station MSCP Concrete Repairs
* Redruth Station Footbridge and Canopy Renewal
* Cardiff Canton Maintenance Depot Carriage Wash Plant Renewal
* Swansea Landore Depot roof renewal
* Manchester Victoria Station Platform Renewals
* Birmingham New Street Station Platform Ceiling Renewals
* Betws y Coed Station Platform Reconstruction
* Crewe Station Fire Alarm Renewals
* Crewe Station Lighting Renewals
* Tyseley Train Care Depot Water Main Renewal
* Tyseley Train Care Depot Carriage Wash Plant Renewal
* Birkdale Station Canopy Refurbishment
* Earlestown Station Footbridge Removal and Platform Refurbishment
* Chester Station Platform Repairs

In addition to OPFW, Paul had responsibilities as CEM and Lead CRE for specific projects such as:

* Landor Street Bridge Deck Replacement, Birmingham
* Warrington Bank Quay Long Timber Replacement
* Melton & Burton Footbridge Replacement, Melton Mowbray
* Burley Park Footbridge Replacement, Leeds

North Wales Tunnels LNW Civils Package TW 109 (Oct 2008):

The refurbishment of 5№ existing unlined rail tunnels. The works centred on the installation of rock netting and rock bolts using specialist Wombat type drilling equipment. As Contractor’s Engineering Manager on this contract, responsible for all engineering elements and the successful completion of all Contractor designed elements of the Works. The Tunnels refurbished were:

* Pont-y-Pant Tunnel
* Ffestiniog Tunnel
* Berthios Tunnel
* Penmaenrhos Tunnel
* Lindal Tunnel

LNW Minor Major Works (Sep 2007):

The refurbishment of a number of small scale rail infrastructure projects as part of a Civil Engineering framework agreement. The works centred on retaining walls, tunnels and culverts. Tunnel specific projects on this framework were:

* Totley Tunnels - General recasing and brickwork repairs
* Summit Tunnel - General recasing and brickwork repairs
* Belmont Tunnel - General recasing and brickwork repairs
* Doveholes Tunnel - General stonework repairs and replacement of the Ringdam
* Farnworth Tunnel - General recasing and brickwork repairs, drainage and weep holes
* Dingle Tunnel - General brickwork repairs
* Cowburn Tunnel - General recasing and brickwork repairs

UB66 Mersey Viaduct (Aug 2006):

The refurbishment of a 51m single span lattice girder bridge carrying the WCML over the River Mersey at Warrington. The bridge was encapsulated, sand blasted and re-painted and local structural repairs were also carried out.

Holford Gas Storage Ltd - Bylie (Jun 2006):

The design and construction of water and brine lines over the 8km Bylie site for the proposed Underground Gas Storage facility in Holford, Cheshire.

Salford Central Station (May 2006):

The renovation of a busy city centre railway station involving the new provision of passenger lifts, new ticket office facilities, station concourse and DDA compliant ramps. The building fabric comprises planar glazing installed under an existing railway bridge.

**C. Spencer - Design Manager (2002-07)**

Refurbishment of Maghull Station (Nov 2006):

The scheme design and construction of a new waiting room annexed to the existing Ticket office building and all associated structural alterations. Including the provision of Architectural, Structural, drainage, building services and CIS Telecommunications design services.

Refurbishment of Birkdale Station (Nov 2006):

The scheme design and construction of a new waiting room within an existing station building. Including the provision of Architectural, Structural, drainage, building services and CIS Telecommunications design services.

Derby EMCC Signal Control Centre (Dec 2006):

The scheme design and construction of a new state of the art Signalling Control Centre consisting of a £13 million 22m by 80m long, three Storey portal framed building. Including the provision of Architectural, Structural, drainage, building services and CIS Telecommunications design services.

Partick Interchange Redevelopment (Jun 2006):

The construction of the new multi-modal transport interchange incorporating Heavy Rail, Light Rail, public and private road traffic. The facility remained operational throughout the construction process and as such the Temporary Works needed were both numerous and complex.

Glasgow WSCC Signal Control Centre (Mar 2006):

The scheme design and construction of a new state of the art Signalling Control Centre consisting of a £11 million 22m by 80m long, two Storey portal framed building. Including the provision of Architectural, Structural, drainage, building services and CIS Telecommunications design services.

St. Helens Station (Mar 2006):

The construction of a new station building. Including the provision of Structural connection and piling design services. The project involved the design and construction of a new REC supply 33KV substation.

Downham Road Bridge (Mar 2006):

The Temporary Works design to a bridge bearing replacement contract. As Design Manager, responsible for all design delivery and the successful completion of Access design during construction.

Chester Maintenance Depot Offices (Feb 2006):

The scheme design and construction of a new modular office building in the centre of a maintenance depot. Including, drainage, mechanical, electrical and Telecommunications, designs for the depot yard and new building.

Longsight Head Office New Build (Nov 2005):

The scheme design and construction of a new portalised office building in the centre of a maintenance depot. Including, drainage, mechanical, electrical and Telecommunications, designs for the depot yard and new building.

Partick Interchange Redevelopment (Jul 2005):

The construction of the scheme, designed from January 2004 onwards.

Cheshunt Station Redevelopment (Feb 2005):

The extensive refurbishment of the Station including reconstruction of the ticket office, refurbishment of Platforms 1 & 2, and the addition of a bay platform c/w Bufferstop. The contract also involved the replacement of the station footbridge.

Environmental Assessments (Dec 2004):

The investigation and assessment of a number of National Express controlled railway premises where major refuelling operations were an integral function of the depot.

CCTV for 3№ TFL stations (Dec 2004):

The provision of CCTV designs to 3№ London stations, including all civil, Structural Mechanical, Electrical and Telecommunication design elements of the works.

Sheffield Station Masterplan (Mar 2004):

The extensive refurbishment of the Station including reconstruction of Platforms 1 to 8, and canopy refurbishment to Platforms 1,2 & 5. Valued at £5,080,000.

Partick Interchange Redevelopment (Jan 2004):

The total demolition of the existing interchange and rebuilding to encompass a two-floor structural steelwork frame with glazed curtain walling. Internal works include new staircases terrazzo tiling provision of emergency escapes, new ticketing offices and retail units.

Colwyn Bay - Safety & Environmental (May 2003):

The provision of new interceptor tank and associated underground Pipework at Colwyn Bay Station, to assist with control of site oil and surface water run-off and ensure compliance with environmental regulations. Works included in-house design and deep excavation works. Valued at £250,000.

North West Environmental Assessments (Feb 2003):

Carrying out of environmental inspections and assessments at 40№ Network Rail sites in North West Region.

Modern Facilities at Stations (MF@S) (Aug 2003):

The improvement of facilities at 68№ stations across East Anglia, Midlands and North West zone. Work included new CCTV and CIS schemes, waiting shelters and rooms and new modular toilet facilities. Valued at £8,400,000.

*Newton Heath WTW - Form A (Jan 2003):*

The design and construction of a series of pumping stations, drainage runs, under track crossings (UTX) and a new water treatment plant at Newton Heath Train Maintenance Depot in order to reduce the level of PCB contamination to an acceptable level.

Altrincham Canopy (Sep 2002):

The replacement of station canopies' glazing and glazing bars. Other works included the installation of new rainwater gutters and new paintwork. The project involved Building, Rail, M&E, Height based and Design and Build demands. Valued at £340,000.

Grimshaw Lane Lift Bridge (Jun 2002):

The design and installation of a moving road bridge over a navigable canal. Valued at £555,000. As Design Manager, responsible for the detailed design and implementation of the Temporary Works necessary to slide the remotely constructed RC bridge deck, into position horizontally and lower it into position vertically.

Manchester Victoria Station - Roofs D&E (Mar 2002):

The replacement of glazing to roof and the construction of a roof level moving gantry. Other works included the removal of the asbestos fascia across the frontage of the station roof. The Client was Railtrack North West. Valued at £755,000.

**Mabey Support Systems (1991-2001)**

Responsible for the design, fabrication, installation and commissioning of major temporary works projects designed to permanent works codes of practice.

Projects include

M6 Thelwall Viaduct Refurbishment

M4 Woodford Flyover Refurbishment

M5 Huntworth Viaduct Strengthening.