

Pavement Design Engineer (Highways)

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Company: Egis

Location: United Kingdom

Category: architecture-and-engineering

General information

Organisation

Egis is an international player active in the consulting, construction engineering and mobility service sectors.

We design and operate intelligent infrastructure and buildings capable of responding to the climate emergency and helping to achieve more balanced, sustainable and resilient territorial development.

With operations in countries, Egis places the expertise of its 18, employees at the disposal of its clients and develops cutting-edge innovation accessible to all projects.

Improving people's quality of life and supporting communities in their social and economic development, whilst drastically reducing carbon emissions and achieving vital net zero targets, that's our purpose.

Reference

Position description

Job title

Pavement Design Engineer (Highways)

Contract type

Permanent contract

Business Line specific context

Egis is a leading global consulting, construction engineering and operating firm. We work

together with our clients, across every aspect of transport, energy and the built environment to build a more balanced, sustainable and resilient world. The Egis Group has over 50 years experience and a team of 16, employees in over countries around the world. Joining our Group means, above all, sharing our values as a people-first company, strongly committed to sustainability and innovation.

In the UK we're proud to be delivering some of the most iconic projects which help connect people, protect our environment and meet emission reduction targets. From motorways to tramways, nuclear power plants to smart cities, clients choose us to help them solve their most complex challenges - delivering climate-responsible growth that meets the needs of communities, industry, and the planet.

Job description

The M25 is one of our Flagship projects in the UK! It is the most used part of the UK Strategic Road Network with it seeing over , vehicles per day and its a critical infrastructure asset for personal and goods vehicles into and around our capital. The network includes around structures and 5 tunnels, so it requires high levels of performance, constant improvement and repairs to keep it operating smoothly.

Weve formed a Joint Venture project called Connect Plus Services (CPS) to work with our partners to widen, operate and maintain the M25 under a 30-year contract and we are looking for a **Pavement Design Engineer** to provide technical design input to proposing and detailing design solutions for upcoming highways pavement renewal schemes around the M25 Network.

This role will provide the individual projects which they can have complete design ownership over, leading and directing the design outcome of schemes, completing detailed design and then having the opportunity to follow through the practical construction onsite across the M25 network.

The designer will be expected to assist with method engineering reviews with framework contractors and ensure the design is based around safe and efficient construction processes.

The role will require efficient design coordination, reviewing documentation from Framework Consultants and assist in managing design workload in line with the delivery priorities and road space booking programme. The role will require a close working relationship with Asset and PM teams responsible for the respective assets, and be client facing.

Key responsibilities:

Develop and agree briefs with the design team and design suppliers, to cover scope, budget and programme, and to obtain agreement from Asset lead.

Prepare designs, reports, specifications and other deliverables to budget and programme.

Design coordination and management inline with the asset need and investment fund.

Undertake optioneering and feasibility of design solutions and preparation of whole life costing.

Preparation and review of contract documentation.

Site inspections pre & post works and during construction.

Manage and monitor all resources (internal and external) for safe and compliant design delivery to budget and programme.

Profile

Essential:

Knowledge and understanding of highway related design areas, including design codes (DMRB/MCDHW/TSRGD etc.) relevant to highway engineering.

Knowledge of CDM and other H&S legislation.

Good to have:

Membership or working towards membership of an appropriate professional institution (ICE, IStructE or CIHT).

College/University vocational qualification. (MEng/MSC/BEng/BSc/HNC and HND).

Pavement Engineer Certificate from the institute of Asphalt Technology (however not mandatory)

Asset Management experience.

Knowledge of the use of relevant computer design applications.

Knowledge of the Traffic Signs Manual Chapter 8.

Diversity & Inclusion:

We are an Equal Opportunities employer and we strive to build a workforce that truly reflects the communities we represent. We welcome candidates from all backgrounds, regardless of age, disability, gender, gender identity, gender expression, race, religion or belief, sexual orientation, socioeconomic background, and any other protected characteristic. If you decide to apply for an opportunity with us, your application will be assessed based purely on your experience, the essential and desirable criteria, and your suitability for the role. We value each and every ones contribution as this builds our culture and means that if you work with us, you will be included, listened to, and respected.

Position location

Job location

Europe, United Kingdom

City

Leatherhead

Candidate criteria

Minimum level of education required

3-Diploma of Higher Education / Associates Degree / BTEC Higher National Diploma

Minimum level of experience required

N/A

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