

CIVIL ENGINEER

Job Description



We are seeking a **high-calibre Civil Engineer with particular experience in roads and drainage** to join our growing Civil Engineering team.

The Company

Expedition Engineering is an award-winning structural and civil engineering design practice. We are the engineers behind many iconic projects from the London 2012 Velodrome to Las Arenas in Barcelona. Through our sister company Useful Simple Projects we provide engineering input into work on urban masterplan projects around the world such as the Rio 2016 Olympics.

Expedition works on a wide variety of projects from inception to completion and beyond. We are motivated by finding excellent solutions to tricky problems and we are flexible and open to all kinds of collaborations, project types and scales.

Expedition and Useful Simple Projects are part of the Useful Simple Trust an employee benefit trust, our aim is to blaze a trail in the integrated, intelligent and ethical provision of the human environment.

The Role

As a member of our Civil Engineering team your scope of work would include the design of earthworks, pavements, highways connections and below ground drainage on a wide variety of project types. These will range from City-wide masterplans through to parks and public realm projects and include educational, arts and leisure, commercial and residential developments. You would be responsible for:

- Developing the design philosophy
- Producing technical design information including reports, drawings and specifications
- Managing technicians and more junior team members
- Representing the company at client and design team meetings
- Managing projects and working to a fee and programme agreed with the Project Director

What we are looking for

We are looking for someone with 5-8 years post-graduation design experience with the ability to think through complex problems and embrace creative and appropriate solutions. The successful candidate will have experience in the following core elements:

- highways and pavement design, including asphalt, concrete and natural stone systems
- underground services and utilities design and coordination in accordance with NJUG best practice.
- below ground drainage design (foul and surface water)
- earthworks and their specifications and cut and fill calculations
- defining briefs, developing strategies and undertaking feasibility studies in response to client needs.

In reference to the above the successful candidate will have a sound technical base with good knowledge of relevant infrastructure-adoptable standards, and an ability to adapt and work with other relevant international standards and practices. They will also have;

- strong analytical and research skills
- experience in negotiating with Statutory Authorities
- excellent project management, financial management, and organisational skills
- strong IT skills along with an ability to interpret and work with maps, plans and drawings
- an awareness of BIM and its application on projects
- a good understanding of sustainable development practice
- the ability to work both individually and as part of a multidisciplinary team whilst taking responsibility for the quality of their work
- the ability to liaise directly with clients, architects and other parties in the project's professional team
- the ability to communicate confidently and to be able to adapt their approach to suit the specific situation

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Additionally it would be desirable but not essential for the successful candidate to have experience in:

- transport assessments and travel plans and vehicle tracking analysis
- the design of a range of systems for retaining structures
- geotechnical design including foundations
- contamination issues and remediation options
- design software commonly used in the design of infrastructure associated with building based projects. This could include Autodesk Civil 3D, AutoCAD, Revit, Micro-Drainage/WinDES etc.

Applicants should have an MEng (or equivalent) Civil/Structural Engineering Degree and have Chartered Membership of a relevant institution (or be working towards this).

The Rewards

We offer a competitive remuneration and benefits package. Additionally, as part of a small Employee Benefit trust you will benefit from a profit share scheme, flexible working practices and real opportunities for personal development and fulfilment within a highly creative friendly environment.

If interested please send your cover letter and CV to recruitment@expedition.uk.com