

## PRINCIPAL ENGINEER

<b>Role Profile</b>	Specialist Band L / GRO033
<b>Service/Team</b>	South West Flood & Coastal
<b>Reports to</b>	Capital Projects Manager
<b>Responsible for</b>	None
<b>Number of posts</b>	None
<b>Post number</b>	105300
<b>Career Grade</b>	n/a

**My job improves the quality of life for the people of Bournemouth Christchurch and Poole by providing expertise to address the challenges of flooding and coastal change, working with partners and local communities to share understanding of the challenges faced, deliver schemes and enable innovative solutions to strengthen resilience while enhancing our natural environment.**

### Job Overview

The Principal Engineer provides a high degree of professional skill and knowledge delivering complex economic, effective and efficient service to BCP Council. The Principal Engineer leads and directs the delivery of Flood & Coastal Erosion Risk Management (FCERM) projects, wider BCP Council projects, and other public sector authority projects.

The Principal Engineer is a highly experienced specialist in design and construction management, contract management and project execution. The role provides leadership in project lifecycle delivery of complex FCERM asset replacement, renewal or new asset capital design and construction projects and provides programme management support to the Capital Projects Manager.

As a principal member of the team the role may involve leading a small project team on major projects and will provide leadership and mentoring to other service staff.

### Key Responsibilities

- When directed by the FCERM Capital Projects Manager or Head of Service, the Principal Engineer deputises for the FCERM Capital Projects Manager during short periods of absence only.
- Leads funded programmes of work that contain multiple projects as programme manager. Developing and managing the programme schedule, monitoring programme level risks, identifying opportunities and at times, reacting to specific project issues providing specialist advice and support.
- Leads client project management of FCERM and wider infrastructure projects. This involves co-ordination between various areas of the organisation and external

consultants, leading procurement activities, applying project management principles, monitoring budget and spend (+£10m), undertaking risk management and stakeholder engagement and ensuring consenting and licencing of activities.

- Lead and champion best practice in project lifecycle management (for example: Prince2/PMBok, procurement policy, the Construction Playbook, National Planning Policy, sustainable design, and Defra flood defence grant in aid appraisal) to the FCERM service and to our clients.
- Lead design management of FCERM and wider infrastructure projects. Initiate, plan, execute and monitor design stages by applying standard and best practice measures and championing safety in design.
- Lead the procurement of major contracts from inception through to award and contract management – provide expert advice and execution particularly in developing preparing and managing NEC forms of contract.
- Lead and champion best practice site and construction health, safety and welfare using expert knowledge of roles and responsibilities of all dutyholders under Construction (Design and Management) regulations.
- Propose, monitor and control project resources effectively throughout the task/project. Provide technical leadership, set high standards and actively lead best practice activities such as effective critical path programme management, decision logging, project risk assessments, stage gate reviews and lessons learnt.
- Challenges standard practices and seek continuous improvement that delivers efficiencies and drives positive change.
- Champion effective and constructive relationships with internal and external stakeholders, our supply chain and governing bodies whilst partnership working by providing critical thinking, robust and professional advice and value for money.
- Named mentor/buddy to newer FCERM capital staff. Proactively knowledge share and encouraging best practice across FCERM teams – lead by demonstration and example.
- Role model the BCP Council and FCERM service values and behaviours and engage with the FCERM service ways of working, and BCP corporate initiatives including appropriate use of policy, procedures, systems and tools.

### **Specific Qualifications and Experience**

- Level 6 or higher qualification in a relevant field of engineering or coastal management (or equivalent experience).
- Relevant professional engineering or project management qualification (or equivalent experience and ability to work towards professional qualification).
- Subject matter expert in the FCERM sector, i.e.:
  - Design and construction process management
  - Project management (i.e., monitoring and controlling cost, time, quality and risk).
  - Contract management (e.g., NEC3 and NEC4 PSC, ESC and ECC)
  - Consenting and licencing

- Safety, health, environment and wellbeing management
- Stakeholder engagement / liaison
- Repeated experience in presenting to senior leadership, senior management, councillors or clients and facilitating/chairing key project, commercial and contract meetings.
- Comprehensive skill in preparing project proposals including cost, time, resource and risk assessment and presenting these to decision makers.
- Extensive knowledge of coastal engineering, flood and coastal design, and construction techniques.
- Strong understanding of the principles of the asset management life cycle, principles of risk and opportunity based approach to decision-making and funding of capital schemes and capital maintenance.
- Competent using Microsoft Office 365 apps, including: Outlook, MS Project, Excel, Visio, PowerPoint and Word.

### **Personal Qualities & Attributes**

- Ability to effectively prioritise a complex workload and coordinate project resources in an environment of change and manage competing demands effectively.
- Excellent interpersonal, oral and written communication skills, high level of emotional intelligence and inclination to lead others in both business as usual tasks and to develop process improvements to delivery of services.
- Confidence in own abilities and depth of experience to constructively challenge ways of working, propose innovative solutions and lead the development of these with integrity.
- High level attention to detail, with the ability to present information in a succinct and informative manner, and an ability to pitch the right level of technical information to an audience.
- High level of general ICT skills and competence in utilising web based financial monitoring systems and basic geospatial systems.
- Team player and confident decision-maker with the ability to work autonomously within the authority of the role.
- High awareness of Council decision making and governance and ability to think strategically regarding the sensitivities of delivering FCERM within the local and national geographical and political context.

### **Job Requirements**

- Must be able to travel regularly, using public or other forms of transport (where they are efficient means of travel), or by holding a valid UK driving licence with access to own or pool car.
- If using own vehicle, a valid business use insurance policy must be in place.
- Must be willing to work occasional early mornings, evenings and weekends commensurate with the type of construction being managed (i.e. tidal working or working within consenting windows/periods).



- To comply with all decisions, policies and standing orders of the Council and any relevant statutory requirements.

This job description is not exhaustive and reflects the type and range of tasks, responsibilities and outcomes associated with this post.