

Job Description

Job Title: Asset Engineer

POSCODE: CCC0467

Grade: P1

Overall purpose of the job

The Asset Engineer leads asset management activities to ensure Cambridgeshire's highway network is maintained to a safe and effective standard.

This role is central to the development and implementation of asset management strategies and policies, with a strong focus on preventative and cyclical maintenance.

By delivering targeted maintenance schemes and applying asset management principles, the Asset Engineer contributes to the long-term sustainability of the highway network—including footways, cycle routes, carriageways, and public rights of way—for the benefit of local communities.

Key Responsibilities

- Lead the development and implementation of asset management strategies and policies.
- Plan and deliver capital maintenance schemes across the highway network.
- Prioritise and identify schemes for delivery, ensuring accurate handover to delivery teams.
- Oversee scheme close-out processes, including the collation and logging of as-built records in line with asset management principles.
- Work closely with local communities to ensure highway maintenance reflects local needs and aspirations.
- Keep communities and customers informed of planned and ongoing works to support high levels of customer satisfaction.
- Collaborate with internal teams and external stakeholders to ensure consistent and effective asset management practices.

Skills & Experience

- Strong understanding of asset management principles and highway maintenance.
- Experience in planning and delivering maintenance schemes.
- Ability to manage data and records in line with asset management standards.
- Excellent communication and stakeholder engagement skills.
- Commitment to customer service and community-focused delivery.

Main accountabilities

1.	<u>Communication and Customer Focus</u> Support the Team Manager in developing projects that best meet the needs of users and the local community by actively seeking input from local members, key stakeholders, potential users and the local community, throughout the development and delivery of projects.
----	--

	Undertake consultations as necessary to inform the public about proposals, seek their views, and accurately report those views to members to assist in decision making. Represent Cambridgeshire County Council at meetings, including public meetings. Ensure the community, businesses, Councillors, the media, partners and stakeholders are kept informed about progress on the delivery of projects. Be point of contact for the public and other outside parties for technical expertise and engineering advice for the relevant assets the team is responsible for
2.	Asset Management Contribute to the development of new strategies and policies to manage highways infrastructure assets. Develop Asset Management understanding and promote innovation to maximise value for money and community outcomes. Work in partnership with all tiers of Local Government, elected Members and other stakeholders to secure support for the projects needed to deliver the strategy. Ensure integration with projects emerging from other programmes and budgets. Work with consultants to manage Inspections, New Roads and Street Works Act, abnormal loads, etc.
3.	<u>Project Management & Planning</u> Manage and implement asset management led maintenance projects and programmes involving, assessment, strengthening, reconstruction and major maintenance strategy through the service provider, taking full account of programme, public relations and health and safety matters. Prepare briefs and undertake relevant levels of design for schemes and minor maintenance works, monitor progress and expenditure. Work with colleagues in other client groups to ensure that standards are met and that maintenance works are delivered to programme. Liaise with colleagues across the directorate and the Council to ensure the service / projects are delivered in the most efficient, effective and co-ordinated manner. Co-ordinate multi-agency projects teams. Escalate serious problems and disputes, recommending appropriate action. Prepare concise and accurate reports for Committees. Monitor consultants and contractor's performance and delivery of the works programmes. Analyse and respond to Accident and Emergency calls for maintenance with the service provider.

4.	<u>Technical Approval & Support</u> Support the Technical Approval and adoption of new highways infrastructure. and to safeguard the Highway Authorities interests in engineering, environmental and financial considerations.
5.	<u>Partnership Working</u> Engage with key partners such as the Combined Authority, District Councils, Adjacent Authorities, Department for Transport, Highways England, Heritage England, Natural England Network Rail, Environment Agency, Local Enterprise Partnership, Community Groups and others as required, to deliver infrastructure projects that meet the Council's and partners' objectives. Negotiate with stakeholders such as communities, businesses, landowners, public transport operators and Statutory Undertakers to secure the necessary inputs to the project under the direction of the Service Manager. Represent the Service on technical working groups as appropriate.
6.	Financial, Contract and Risk Management Monitor and manage expenditure against project budgets. Maintain project risk registers and comply with management processes. Comply with all relevant Health and Safety legislation and best practice in the planning, design and delivery of projects, including the Construction Design and Management Regulations.
7.	Demonstrate an awareness and understanding of equality, diversity and inclusion.
8.	Ability to contribute to our organisational commitment to becoming a Net Zero organisation by 2030.

Person Specification

Qualifications, knowledge, skills and experience

Qualifications Required	Subject	Essential/ Desirable
HNC or extensive relevant experience	Civil Engineering, or a relevant discipline	Essential

Evidence of continued personal / professional development	Asset management / Civil Engineering	Essential
Degree	Civil Engineering or equivalent or appropriate relevant experience	Desirable
Professional Qualifications	Chartered / Incorporated Engineer or similar / equivalent in relevant discipline	Desirable

Identify	Describe	Essential/ Desirable
Knowledge		
	Working knowledge of Health and Safety law and CDM	Essential
	Understanding of legislation, practices, programmes and funding arrangements for transport infrastructure and highways maintenance projects	Essential
	Knowledge and experience of public sector procurement	Essential
	Extensive knowledge of technical and contractual requirements relating to scheme development, implementation, and construction	Essential
	Be able to respond in an emergency, to quickly analyse a situation and decide on a course of action without reference to senior colleagues	Essential
	Capable of preparing quality reports and representing the Authority at public meetings, out of hours where necessary	Essential
	Good negotiation skills and the ability to develop effective working relationships with senior staff throughout the Authority and staff of external organisations including other Councils and Government agencies	Essential
	Good organisational skills and a flexible approach in planning and promoting work to meet tight deadlines	Essential

	Working knowledge of Council Standing Orders and Financial Regulations/Practices	Desirable
	Working knowledge of various highways and planning legislation, codes of practice, etc.	Desirable
	Working knowledge of Council Policies, Planning Framework and Transport Plan	Desirable
Skills		
	Strong commitment to public services and local democracy	Essential
	Well-developed customer awareness and sensitivity in consulting and dealing with the public	Essential
	Ability to plan, manage and prioritise workload in order to meet deadlines	Essential
	Strong communications skills both written and verbal including persuading and influencing	Essential
	Preparation of committee papers	Essential
	Ability to work independently and as part of a team	Essential
	Ability to work quickly and to deadlines	Essential
	Good problem solving and decision-making skills	Essential
	Excellent interpersonal skills and a robust attitude to driving progress	Essential
	Political sensitivity and the ability to manage conflicting priorities	Essential
	Comprehensive IT skills	Essential
	Demonstration of a creative and flexible approach to work	Desirable
	Knowledge and understanding of consultation/ approval/ planning processes for transport projects	Desirable

Experience		
	Experience in the development, planning, design and implementation of transport infrastructure and related projects	Essential
	Experience in asset management of highway structures	Essential
	Experience in finance management (including local government finance)	Essential
	Experience in local government practices including dealing with locally elected politicians, the public and media	Essential
	Experience of managing external consultants and contractors	Essential
	Practical experience in dealing and negotiating with consultants and contractors and other organisations	Essential
Other		
Equality, Diversity and Inclusion (applies to all roles).	Ability to demonstrate awareness and understanding of equality, diversity and inclusion and how this applies to this role.	Essential
Net Zero (applies to all roles).	Ability to contribute towards our commitment of becoming a net zero organisation.	Essential
Flexibility	Have the ability to visit offices and sites, when necessary, where public transport is limited. Have the ability to visit and inspect sites which may have difficult access. Ability to occasionally work outside of standard office hours.	Essential

Disclosure level

What disclosure level is required for this post?	None	Standard
	Enhanced	Enhanced with barred list checks

Work type

What work type does this role fit into? (tick one box that reflects the main work type, the default work type is hybrid)	Fixed	Hybrid	Field	Remote	Mobile
---	------------------	---------------	-------	--------	--------