

Job Description

Job Title	Senior Engineer - Urban Traffic Control
Directorate	Neighbourhoods and Housing
Service Area	Highways and Transportation
Grade	7
Competency Level	2
Salary	£39,513 - £44,711
Job Type	Hybrid
Location	Liverpool Citywide
Disclosure and barring service (DBS)	Not Applicable
Job Evaluation Ref No	A8540

Job Purpose

The post holder supports the Urban Traffic Control Principal Engineer and Team Leader, Keeping the city moving through good management, maintenance and programming of traffic signals across the city. This includes the forward planning and coordination of planned network improvements and in particular the approval of traffic modelling on major works to minimise delays and disruption on the road network within Liverpool City Council and to achieve the objectives of the council and the requirements of the Traffic Management Act 2004.

To manage delivery of well-maintained and operational Hostile Vehicle Mitigation (automated bollards) and VMS (Variable Message Signs).

To support the claims process for damage to the assets managed by the UTC Team.

Directly Responsible For:

Engineer - Urban Traffic Control

Assistant Engineer - Urban Traffic Control

Directly Responsible To:

Principal Engineer - Urban Traffic Control

Main Areas of Responsibility:

- Provide expert information for and assist in development of network performance indicators for current and future years
- Develop and manage scheme assessment, works planning activities and traffic impact mitigation measures, including assessment of the impact on network capacity and operation and balance of competing demands of different users
- Build, maintain and facilitate effective working relationships across the Urban Traffic Control team, and wider LCC
- Engage with internal stakeholders about the monitoring and reviewing of network performance against predictions in alignment with the monitoring strategy
- Assess and approve traffic modelling of projects being proposed in the city or likely to impact the city from a neighbouring authority

- Manage LCC's formal review of schemes and works proposals from neighbouring local authorities, consultants, utilities and internal LCC businesses, ensuring all notifications are effectively and efficiently assessed
- Engage with scheme and works promoters to achieve mutually beneficial outcomes that will result in the least possible impact on the performance of LCC's road network
- Ensure on-site meetings are undertaken and issues arising from them are resolved relating to the forward planning of works
- Accountable for understanding and acting on the safety of everyone working at home and on site
- To participate in all aspects of training and personal development. Use all learning opportunities to develop personal skills necessary to improve effectiveness, efficiency and delivery of service in recognition of the Highways and Transportation services
- Develop the City Councils commitment to equal opportunities and to promote non-discriminatory practices in all aspects of work undertaken

Supervision and Management Responsibility:

- Ensuring activities are planned to include meaningful one to one conversations, quality annual appraisals and regular workforce planning and development
- Assess staff performance and set appropriate target levels of service. Create a positive learning and working environment through delegation and mentoring
- Manages performance and behavioural issues effectively
- To participate in all aspects of training and development of staff, including the maintenance of disciplinary standards, as directed. Use all learning opportunities to develop personal skills necessary to improve effectiveness,

efficiency, and delivery of service in recognition of the Departments business and service targets

Budget and Financial Responsibility:

- Being fully accountable for managing the council's resources well and complying with statutory requirements. This includes managing time, avoiding unnecessary waste, reuse and recycle resources to reduce personal impact
- Being fully accountable for the effective management and control of delegated capital and revenue budgets in the delivery of the Council's strategic objectives and policies
- Complying with all statutory requirements, Standing Orders and Financial Regulations of the City Council, and being responsible for making sure that all those you manage also comply with such requirements
- Maintaining a close control of their delegated revenue and capital budgets, stewardship of assets and reporting any financial risks
- Maintaining up to date financial records on the Corporate Finance System
- Have regard for and use of relevant performance and financial benchmarking data as part of business planning to identify opportunities for improved value for money
- Bringing to the timely attention of the relevant line manager any material issues that might impact on the financial performance or financial management arrangements of the Council

Social Value Responsibility:

- Drive for social value through all activities, ensuring wider social, economic and environmental benefits for the council, residents and communities

Physical Demands of the Job:

The role requires working:

- in adverse weather conditions
- outside normal working hours to ensure the Control Room is covered 7am - 7pm (Monday - Friday)
- at weekends or on Bank Holidays
- by manual handling cones, measuring wheels and / or paint spray

Corporate Responsibility:

- Contribute to the delivery of the Council Plan
- Delivering and promoting excellent customer service, externally and internally
- Commitment to customer excellence by dealing with customer feedback, including complaints, and learning from feedback in the drive for continuous improvement
- Making the council a great place to work, living the council's values, actively engaging in regular communications including team meetings, undertaking training as required and being responsible for managing own performance
- Develop the City Council's commitment to equal opportunities and to promote non-discriminatory practices in all aspects of work undertaken
- To ensure that all work functions are undertaken in accordance with health and safety legislation, codes of practice and the City Council's safety plan

Competency Framework:

We operate a competency framework, a set of core behaviours which define how we are expected to approach our work, how we perform in certain situations and how we treat each other. Each competency details the standards of behaviours and skills

required by all staff and this in turn supports delivery of our aim and our council plans linking them together with our values

The post holder will be required to demonstrate the ability to perform at competency level 2.

[The competency framework can be found here.](#)

This job description is not intended to be either prescriptive or exhaustive. It is issued as a framework to outline the main areas of responsibility. You will be expected to carry out any other duties that may reasonably be required in line with your main duties and changing priorities of the organisation.

Person Specification

Assessment methods used: I = Interview, P = Presentation, A = Application, E = Exercise, T = Test, AC = Assessment Centre

Qualification and training

Essential

- HNC / HND / OND in Engineering and / or significant experience in the design and management of city-wide traffic signal controls and delivery of highway improvement, ITS and / or other engineering projects (A,I)

Desirable

- Working towards a degree level in Engineering
- Qualified to Incorporated Engineer (I. Eng.) or equivalent
- Occupational qualification in management / leadership

Experience

Essential

- Extensive experience in the design of traffic signals and managing the network in the control room (A,I)
- Experience of managing budget and awareness of the financial control of civil engineering and / or ITS projects (A,I)
- Experience of commissioning, briefing and monitoring external consultants and service providers (A,I)

Desirable

- Experience in the management of term contracts
- Experience of managing a team

Skills/Abilities

Essential

- Knowledge of Local Government Regulations and Procedures (A,I)
- Knowledge of the Construction (Design and Management) Regulations (A,I)
- Competent to discharge the duties of Principal Designer under the CDM regulations (A,I)
- Excellent presentational, verbal and written communication skills, with the ability to relate well to colleagues, elected members and project stakeholders (A,I)
- Ability to prioritise and manage a complex workload (A,I)
- Ability to use Outlook and a web browser to access information (A,I)
- Ability to use Microsoft Office (Word, Excel, PowerPoint etc.) (A,I)
- Ability to work occasional evenings and weekends to attend Council or stakeholder meetings (A,I)
- Ability to travel extensively throughout the district (A,I)

Desirable

- Extensive knowledge of strategic transport, micro-simulation modelling tool VISSIM and use of traffic modelling such as LINSIG, TRANSYT, OSCADY, ARCADY, PICADY etc.
- Ability to use a variety of specialist software packages and web-based applications relevant to Intelligent Transport Systems

- Working knowledge of computer based financial management and budget monitoring software
- Ability to recognise and develop opportunities for service improvements

Commitment

Essential

- Committed and adaptable (A,I)

Desirable

- An understanding of and a personal commitment to the Vision and Values of Liverpool City Council
- Committed to continuing professional development