

Job Description

Job Title	Urban Traffic Control Engineer
Directorate	Neighbourhoods and Housing
Service Area	Transport & Highways
Grade	6
Competency Level	1
Salary	£35,412 - £39,862
Job Type	Hybrid
Location	Citywide
Disclosure and barring service (DBS)	Not required
Job Evaluation Ref No	

Job Purpose

To provide technical support to the Team as required and assist with all aspects of design, installation and operation of traffic signals across the city as a function of Urban Traffic Control (UTC).

To provide support and assistance in areas such as operation of Variable Messaging Signs (VMS) and Hostile Vehicle Mitigation (HVM - operation of automated bollards), including impact claims against the council.



Directly Responsible For:

Not applicable

Directly Responsible To:

Principal Engineer Urban Traffic Control with some management tasks delegated to the Senior Engineer

Main Areas of Responsibility:

- To review design proposals submitted by internal and external clients, providing technical advice, comment and feedback in relation to ITS technology, control and communication systems and support services
- To liaise with internal and external clients, colleagues, customers and stakeholders about technical issues affecting highway projects and Urban Traffic Control service delivery
- To provide technical support to internal and external clients in relation to the councils ITS asset, traffic control and communication systems
- To provide practical advice to help resolve construction / installation problems in relation to ITS technologies, infrastructure and associated systems
- To monitor construction and installation work ensuring public and worker safety through to project completion
- To monitor construction and installation work, ensuring project completion in accordance with drawings, instructions, method statements, contractual obligations, standards and specifications
- To identify, record and report incidences of non-compliance, taking appropriate action to initiate rectification and ensure remedial measures are completed within an agreed timescale, notifying the contractor, project manager and Principal Engineer Urban Traffic Control as appropriate

- To liaise with and advise contractors in relation to use of traffic management systems and the deployment of portable and permanent traffic signals, including operation and timings
- To support the testing and commissioning of existing, new or modified ITS and communication networks equipment
- To support the operation, management and development of ITS systems ensuring optimised network performance at all times
- To provide Urban Traffic Control (UTC) room cover as required
- To inspect, record and report condition of the ITS assets
- To assist with the administration of Term Maintenance contracts associated with ITS equipment, infrastructure and associated systems including e.g. Access Control, Car Park Guidance System, Variable Message Signs
- To deliver the Council's investment programme and infrastructure outcomes and objectives associated with ITS Technology
- To actively support Urban Traffic Control team training and development
- To assist the council's efforts to recover costs resulting from third party damage
- To prepare technical reports with regard to claims against the council in relation to damage to third party property or personal injury
- To assist with monitoring expenditure and budgets of ITS related works/projects, including placing of orders and payment of invoices
- To build and maintain relationships with internal and external partners, local representatives, businesses and customers
- To represent the Urban Traffic Control Team as required at technical meetings both internal and external
- To comply with all relevant standards and regulations, such as Chapter 8, Health and Safety and CDM
- This job description is not intended to be prescriptive or exhaustive it is issued as a framework to outline the main areas of responsibility at the time of writing

- Develop the City Councils commitment to equal opportunities and to promote non-discriminatory practices in all aspects of work undertaken

Supervision and Management Responsibility:

- This post does not have any supervisory or line management responsibility

Budget and Financial Responsibility:

- Ensuring that your work complies with all statutory requirements, Standing Orders and Financial Regulations of the City Council
- Maintaining proper stewardship of the Council's assets and reporting any financial risks
- Maintaining up to date financial records on the Corporate Finance System.
- To ensure line managers receive integrated performance and financial information about their service and bringing to their attention 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 (Mondays – Fridays)

- during Out of Hours (Control Room working hours) or at Weekends or Bank Holidays
- using own or organisation motor vehicle (car or van)
- 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
- 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 the following competency level 1.

[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.

Personal Specification

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

Qualification and training

Essential

- Possess or be working towards a formal qualification in a relevant technical discipline (e.g. ONC/HNC/HND/BSc) or significant experience in ITS and installation of other engineering infrastructure (A/I)

Desirable

- Professionally Qualified to Incorporated Engineer (I. Eng.) or equivalent

Experience

Essential

- Ability to prioritise own workload to meet deadlines (A/I)
- Ability to make effective decisions and supporting those decisions with effective argument and understanding (A/I)
- Ability to develop IT solutions to improve performance and productivity Road safety engineering or related traffic/highway engineering experience. (A/I)
- Knowledge or experience of design packages relevant to traffic/highway engineering (A/I)

Desirable

- Management of resources, both financial and staffing
- Project Management/CDM Regulations
- Experience of working in Quality Assured environment
- Local Transport Plan Process
- Best Value Legislation and process

Skills/Abilities

Essential

- Good communication skills, both verbal and written when dealing with the public, politicians, colleagues and media (A/I)
- Experience of analysing and interpreting statistical data (A/I)
- Ability to prioritise workload to meet deadlines (A/I)
- Ability to make effective decisions and to support those decisions with effective argument and understanding (A/I)

Desirable

- Knowledge or experience of public consultation
- Ability to plan, allocate and evaluate work programmes for self and others
- IT skills and able to develop IT solutions to improve productivity

Commitment

Essential

- An understanding of and a personal commitment to the Vision and Values of Liverpool City Council

Desirable

Other

Essential

- Able to attend evening Committee, public and other work-related meetings (A/I)

Desirable

- A modern approach to working recognising the need for flexibility and adaptation to change

