

Intelligent Transport Systems (ITS) Technical Assistant

Grade 6

About the Service

Staffordshire County Council is one of the largest local authorities in the UK with an ambitious vision for Staffordshire and its people. Achievement of that vision will be underpinned by the support of the Council's Economy, Infrastructure and Skills directorate (EIS). The vision for EIS is to help Staffordshire's economy grow so that everyone has the opportunity of a good job and good prospects in a beautiful, safe, accessible, vibrant, cultural, prosperous, business friendly and sustainable county.

Service purpose

The Highways and Built County service sits within the EI&S directorate. It is a multi-disciplinary team whose purpose is to manage, maintain and sustainably improve Staffordshire's built environment so that it is safe, accessible, attracts inward investment and economic growth, and supports social cohesion and healthy lifestyle choices.

Achievement of these service area outcomes is managed through five business unit areas:

- Highway Asset and Network Management
- Sustainable Development
- Project and Technical Services
- Communities and Road Safety

The service operates in a diverse and challenging operating environment that requires significant layers of experience, personal and technical skills to ensure the maximum benefits are realised.

The service has a diverse and challenging portfolio of projects and programmes that require significant layers of skills to support and achieve the Council's Corporate Plan.

The majority of highway operations are delivered through Infrastructure+, a partnership arrangement between Staffordshire County Council and Amey LG Ltd. The Highways

Job ID:
GP date:

Infrastructure+ partnership approach is applied to the delivery of all highway operations and associated services.

Projects and Technical Services

The Projects and Technical Services area consists of five specialist teams delivering the highway operations associated with HS2, Integrated Transport Projects, Street Lighting, Intelligent Transport Systems and the Highways Laboratory.

Intelligent Transport Systems (ITS) consists of a range of specialised facilities deployed to manage, inform and control vehicular / pedestrian traffic as it negotiates the county highway network. The ITS infrastructure consists of a centralised Urban Traffic Control and associated systems that are used to monitor and control over 800 ITS assets such as Traffic Signals, Vehicle Activated Signs, CCTV and other ITS related equipment placed upon the network. The ITS team oversee the maintenance operations associated with the equipment and manage a number of contracts to deliver the service. The team also provides technical support to facilitate the delivery of highway activities and the objectives of the Infrastructure+ partnership.

About the Role

As an Intelligent Transport Systems (ITS) Technical Assistant, the role will require you to assist with the management, operation, design and development of the services undertaken by the Intelligent Transport Team. The postholder will be actively involved in the day-to-day activities undertaken by the section which operates both planned, and reactive, initiatives to maintain highway standards.

Reporting Relationships

Responsible to: Principal Intelligent Transport Systems Engineer

Responsible for: Not Applicable.

Key Accountabilities:

1. Assist with the implementation, development, operation and management of the County's Urban Traffic Control system and associated ITS equipment.

2. Assist with the management, supervision and delivery of the Council's ITS maintenance contract to ensure that ITS equipment is designed and delivered to the latest standards and specifications.
3. Assist in the design, specification, procurement, and supervision of new ITS equipment installed on the highway network to ensure compliance with the Council's ITS specifications.
4. Assist with the management of the ITS asset and fault management system by performing various tasks, such as maintaining an up-to-date asset inventory, accurately updating Elexon codes for new and existing ITS assets, and managing the addition and assessment of faults to be forwarded to the contractor.
5. Assist with the production of detailed cost estimates for internal and external clients to inform project costs and aid decision making.
6. Assist with design checks and approvals of third-party submissions to ensure that ITS assets are designed and delivered to the latest standards and specifications.
7. Assist with the pre and post installation checks of ITS schemes to ensure that a compliant design has been achieved.
8. Helping to maintain good working relationships with external bodies, government departments, district and parish councils, local partnership groups, National Highways, consultants etc. to achieve efficient and effective service delivery.
9. It is expected that the postholder will occasionally be requested to work outside the core hours when required to complete the operational and delivery requirements of the ITS service.

Professional Accountabilities:

The post holder is required to contribute to the achievement of the Council objectives through:

Financial Management

Personal accountability for delivering services efficiently, effectively, within budget and to implement any approved savings and investment allocated to the service.

People Management

Engaging with People Management policies and processes

Equalities

Ensuring that all work is completed with a commitment to equality and anti-discriminatory practice, as a minimum to standards required by legislation.

Climate Change

Delivering energy conservation practices in line with the Council's climate change strategy.

Health and Safety

Ensuring a work environment that protects people's health and safety and that promotes welfare, and which is in accordance with the Council's Health & Safety policy.

Safeguarding

Commitment to safeguarding and promoting the welfare of vulnerable groups.

Person Specification

Qualifications/Professional membership

- ONC / HNC in electrical engineering or similar engineering disciplines, or BTEC Level 3 qualification in a technical subject, or substantial experience in a similar role.
- 5 GCSE's between Grade 9 to 4 (A* to C) including Maths and English.
- A current driving license (reasonable adjustments will be considered in line with the Equality Act).

Knowledge and Experience

- Demonstrable experience of working or studying within a technical or engineering environment.
- Demonstrable knowledge of electrical or electronic systems, or information technology engineering principles.
- Experience of liaising with appointed contractors for the delivery of works to an agreed specification.
- Experience of working in a multi-discipline team.

Skills

- Must be computer literate to the expected operational level demanded of the post.
- Technical drawing skills and the use of CAD based software.
- Ability to work effectively within a multi-disciplinary team environment and independently.
- Drive, enthusiasm and flexibility.
- Effective organising and planning skills.
- Ability to prioritise competing workloads and demands.

This post is designated as a casual car user.

The content of this Job Description and Person Specification will be reviewed on a regular basis.