Job title: Principal Intelligent Transport Sytems Engineer
Grade: 10

Our Vision

An innovative, ambitious and sustainable county, where everyone has the opportunity to prosper, be healthy and happy.

Our Outcomes

We want everyone in Staffordshire to:
- Have access to more good jobs and share the benefit of economic growth.
- Live in thriving and sustainable communities.
- Be healthier and more independent for longer.

Our Values

Our People Strategy sets out what we all need to do to make Staffordshire County Council a great place to work, where people are supported to develop, flourish and contribute to our ambitious plans. Our values are at the heart of the Strategy to ensure that the focus is on what is important to the organisation and the people it serves:

- Ambitious – We are ambitious for our communities and citizens
- Courageous – We recognise our challenges and are prepared to make courageous decisions
- Empowering – We empower and support our people by giving them the opportunity to do their jobs well.

About the Service

Directorate Purpose and Values

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 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 a Principal Intelligent Transport Systems (ITS) Engineer, your role would be crucial in managing the team to design, implement, and manage Staffordshire's intelligent transportation systems assets to improve efficiency, safety, and sustainability.

Reporting Relationships

Responsible to: Lighting and ITS Manager

Responsible for: ITS team

Key Accountabilities:

The operational management of all activities associated with the maintenance of traffic signal equipment and the introduction of such equipment onto the highway network.

In particular, the post involves the following:

1. The management of the Intelligent Transport Systems (ITS) group.

2. To deputize for the Highway Technical Services Manager.

3. The development, implementation, operation and management of intelligent transport systems.

4. To oversee the supervision of construction, installation and modification works associated with traffic signal and intelligent transport systems.

5. The development of contract documentation and management of procurement for traffic signal and ITS projects.

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6. Monitoring of ITS budgets, processing and certifying invoices for payment.

7. Liaising and advising County Council officers on traffic signal and intelligent transport systems associated with planning applications.

8. To maintain good relationships with other departments and external bodies such as Government Departments, District and Parish Councils, local partnership initiatives, developers and planning consultants etc.

9. To prepare reports and represent the Director of Economy Infrastructure and Skills at District, Borough and Parish Council meetings and other elected bodies, as required.

10. To maintain an up to date knowledge of highway electrical, traffic signal engineering and intelligent transport systems and to ensure that such knowledge is applied throughout the Authority's activities.

11. To be prepared to undertake further training as and when required.

12. Such other duties as may be allocated from time to time in accordance with the general nature and grading of the position.

13. A current driving license is required.

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

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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.

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

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Person Specification

A = Assessed at Application
I = Assessed at Interview
T = Assessed through Test

Minimum Criteria for Disability Confident Scheme *	Criteria	Measured by
	Qualifications/Professional membership	
	• BSc/BEng Degree in an appropriate discipline with a minimum of three years relevant experience - or HNC/HND or equivalent in an appropriate discipline with a minimum of five years relevant experience.	A
	• Member or working towards membership of an appropriate professional institution.	A
	Knowledge and Experience	
	• Design and installation of Traffic Signals and associated systems.	A/I
	• Management, operation and development of Intelligent Transport Systems and associated infrastructure.	A/I
	• Management and deployment of highway telecommunication technologies.	A/I
	• Highway electrical installations.	A/I
	• The management, operation and development of inventory asset management systems.	A/I
	• Contract procurement, management and administration.	A/I
	• Budget monitoring and control.	A/I
	Skills	
	• Must be computer literate to the expected operational level demanded of the post.	A/I

	• Must be able to use a variety of information from differing sources to make decisions and priorities actions in support of operational demands.	I
	• Must keep up to date and apply best practice within the ITS industry and continuously assess operational practices to add value to service delivery objectives.	I
	• Must be a competent communicator, demonstrate mutual respect whilst constructively challenging and influencing others to achieve team, service and corporate and delivery objectives	I

If a disabled person meets the criteria indicated by the Disability Confident scheme symbol and provides evidence of this on their application form, they will be guaranteed an interview.

We are proud to display the Disability Confidence Symbol, which is a recognition given by Job centre plus to employers who agree to meet specific requirements regarding the recruitment, employment, retention, and career development of disabled people.

If you need a copy of this information in large print, braille, another language on cassette or disc, please ask us by contacting Talent & Resourcing Team 01785 278300

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