

Highway Information 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

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 (EI&S). The vision for EI&S 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 & Built County team is a multi-disciplinary team whose purpose is to manage, maintain and sustainably improve Staffordshire's Built Environment so that amongst other things it is safe, accessible, functions well, promotes inward investment and economic growth, and supports social cohesion and healthy lifestyle choices.

This will be achieved by:

- Keeping the network in the best condition possible with resources available using asset management to enable the lowest whole life cost of asset ownership.
- Supporting Staffordshire's economy to grow, generating more and better-paid jobs ensuring that work on the highway is of the required quality.
- Improving customer satisfaction with Staffordshire County Council and enhance its reputation.
- Ensuring that highway information required to manage and maintain the network and support asset management decisions is available, is held in the best place is accurate and of the required quality.
- Taking action to reduce waste generation, re-use resources where possible, reduce energy use, increase sustainable travel, adapt to climate change already taking place and for the future.
- Keeping the network safe for all users, improving network resilience and availability, providing a freer flowing network, supporting events on the highway and where issues do occur, efficiently and effectively administering claims.
- Keeping people safe from harm, empowering people to deliver and grow, innovate, share knowledge and best practice.

Role Purpose

GP 12.12.2023 – FINAL
70000726/G10/CAS

The Highway Information Engineer will undertake day-to-day management of the team responsible for the local street gazetteer, core highway asset data, geographical information systems, collection and analysis of traffic data. The postholder will use specialist skills to integrate data across the various in-house and external software systems ensuring a high level of data reliability to support the duties of the highway authority and provide information for stakeholders and customers.

Reporting Relationships

Responsible to: Highway Information Manager

Responsible for: Highway Information Technician and Highway Traffic Officer

Key Accountabilities:

1. A member of the Highway Information team, supporting the daily management, development, mentoring and training of the team in line with the People Strategy by working with the Highway Information Manager and colleagues to ensure consistent work practices in line with approved policies and procedures.
2. Proactive team member who delivers a customer focused, modern professional service, challenging work practices as required and playing their part in a healthy and high performing team.
3. Providing technical guidance to colleagues on matters and escalated issues associated with the gazetteer, highway extent and core asset data.
4. Undertake feasibility studies including liaison with key internal and external stakeholders on new highway data collection systems, from on-site installation and operation through to results analysis and introduction to the Business Unit.
5. Specify, develop, and lead on the integration, introduction and maintenance of highway information including spatial and other proprietary software solutions including integration with other applications, liaison with internal and external suppliers to ensure efficient and automated data handling processes.
6. Develop and manage appropriate auditing systems and data assurance and analysis techniques to monitor and appraise the quality of highway data and information being created, updated and maintained across all Council highway systems to ensure accuracy and quality standards are adhered to across the Highways service area, and to determine the most

appropriate course of action to resolve any data quality issues that may arise.

7. Development of data standards and specifications for new and existing highway data and information being used across the Infrastructure Plus partnership
8. Develop and maintain data analysis techniques and automation opportunities for future service provision, improved efficiency and the realisation of benefits.
9. Facilitate the comprehensive and integrated documentation of all applications, systems and processes for information management, setting data standards and specifications and ensuring that all internal and external partners are aware of and comply with the requirements specified therein.
10. Establish, develop and maintain relevant contacts and stakeholder relationships to enable effective regional working, and to ensure the Staffordshire's voice is heard in the context of developing strategies and policies relevant to the business area.
11. Support the implementation of innovative solutions by challenging convention and using avenues into national and professional groups and bodies to position Staffordshire as a best-in-class highway information service.
12. Manage all related budgets and funding to meet financial and procurement requirements.
13. Development of service (functional) specifications for Highway Information, taking insight from highway users, Members and other key stakeholders ensuring plans are in place to provide assurance that required levels of performance are being achieved.
14. Available to work outside normal working hours on occasion to meet business need which may include dealing with an unplanned event or critical incident.

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.

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

Person Specification

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

Minimum Criteria for Disability Confident Scheme *	Criteria	Measured by
	<p>Qualifications/Professional membership</p> <ul style="list-style-type: none"> • Educated to Level 6 in a relevant discipline and/or (e.g. degree level) in civil engineering • Professional qualification as a Registered Information Technology Technician with the IHE or equivalent or • Knowledge and experience equivalent to the standards published by the IHE or equivalent at RITech Level or • Member of an appropriate professional body at the level described above. 	<p>All A/I</p>
	<ul style="list-style-type: none"> • Knowledge and Experience • Significant experience in the management, commissioning and delivery of highway information services including systems and processes • Experience of implementing asset information strategies to support effective management of assets through the provision of accurate and up to date information • Experience in the use of information modelling or object orientated analysis and design • Experience of supervising and/or managing a team • Experience in the management of the local street gazetteer • Experience of the use of application programming interfaces (API) between software systems to enable exchange of data • Experience of data analysis techniques and appropriate software packages 	<p>All A/I</p>

	<ul style="list-style-type: none"> • Experience of providing assurance that data validation controls are in place across data sets and systems to ensure safe and reliable information is available for users • Comprehensive understanding and in-depth working experience of spatial information systems, SQL, and Microsoft 365 products 	
 	<p>Skills</p> <ul style="list-style-type: none"> • Persuasion and negotiation skills • Team management skills • Inclusive approach to stakeholder engagement and service delivery • Financial and budgetary skills • Analytical skills with good attention to detail • Planning, organising and coordinating skills • Written, verbal and digital communication skills, with the ability to pitch communications at an appropriate level to the target audience • Valid driving licence and the ability to travel across a wide geographic area 	<p>All A/I</p>
	<p>This post is designated as a casual car user</p>	



Where an applicant meets the Disability Confident scheme criteria indicated by the 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 Jobcentre 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 contact the Talent & Resourcing Team on 01785 278300