

Job Description

Technician (Network Optimisation)

Service:	Highways	Team:	UTMC Team – Network Optimisation
Location:	Countywide		
Salary range:	£25,481- £29,577	Grade:	7
Reports to:	Kyle Ritchie (Grade 9)	Staff responsible for:	0

Job Purpose

Lancashire Highways Service is responsible for delivery of Network Management activities across the County with Network Planning including Road Safety and Urban Traffic Management and Control (UTMC) Teams. The UTMC Team consists of 3 sub teams, Traffic Signal Design, Network Optimisation, and Traffic Signal Maintenance.

Network Optimisation – Optimise the performance of Lancashire's network using UTMC and ITS systems. Undertake traffic counts and surveys and use systems to collect and analyse traffic and transport data.

Traffic Signal Design – The team undertakes a full Traffic Signal / UTMC design service with modelling and assessment leading to commissioning and validation. Provide Technical Acceptance on behalf of the highway authority for new traffic signal design projects undertaken by external consultants. Develop and manage an annual capital Traffic Signal Refurbishment Programme.

Traffic Signal Maintenance – Manage and supervise the UTMC Term Service Contract. Maintain the asset and records system. Respond to customer queries of existing traffic signal installations.

The function of this role will be to assist the Signals Engineer (Grade 9) in carrying out optimisation activities across the county. There three core areas of focus for the role which are described below: -

- **UTC Lead** – Support the Signals Engineer (UTC Lead) by assisting in UTC investigation / validation work to make improvements to identified corridors on the network.
- **MOVA Design and Validation** – Support the Signals Engineer by assisting in MOVA Design and Validation activities to ensure existing sites are fully operational under MOVA Control and validated to suit current traffic flows.
- **Traffic Signal Design Support** - Support the other UTMC Teams in carrying out activities such as preparing, design documentation, 2500 documentation, FAT, SAT, Validation Exercises

Lancashire County Council are looking for an enthusiastic individual with a proven track record of learning and developing new skills. Candidates with limited experience are encouraged to apply as appropriate training opportunities will be provided.

The post is a permanent full-time position (37 hours per week) working under a flexitime system based at County Hall. There will be an expectation for the successful candidate to work from a range of locations if needed. The role is not solely office based and the post holder may be required to attend site meetings and work flexibly to observe AM and PM peak periods.

Accountabilities/Responsibilities

Perform site inspections and attend and / or assist with factory and site acceptance tests under the supervision of a Signals Engineer.

Perform site inspections and attend and / or assist with validation exercises under the supervision of a Signals Engineer.

Assist in the development of UTC / MOVA Designs under the supervision of a Signals Engineer

Assist in the development of LinSig Modelling to identify the optimum timing sets for existing traffic signal junctions.

Preparation of Topas 2500 documentation under the supervision of a Signals Engineer

Assist in the development of traffic signal design documentation.

Assist in the development of UTC plans to ensure key corridors within the county are operating effectively.

Mentor and develop inexperienced members of the UTMC Network Optimisation Team.

Undertake a continuous improvement ethos for all aspects of work including carrying out mandatory training, on the job training, and participating in courses necessary to the development of traffic signal designs.

Ensure that any work undertaken is of a high standard and conforms to necessary guidance and legislation.

Other

- **Equal Opportunities**

We are committed to achieving equal opportunities in the way we deliver services to the community and in our employment arrangements. We expect all employees to understand and promote this policy in their work.

- **Health and safety**

All employees have a responsibility for their own health and safety and that of others when carrying out their duties and must help us to apply our general statement of health and safety policy.

- **Customer Focused**

We put our customers' needs and expectations at the heart of all that we do. We expect our employees to have a full understanding of those needs and expectations so that we can provide high quality, appropriate services at all times.

Our Values

We expect all our employees to demonstrate and promote our values:

- **Supportive**

We are supportive of our customers and colleagues, recognising their contributions and making the best of their strengths to enable our communities to flourish.

- **Innovative**

We deliver the best services we possibly can, always looking for creative ways to do things better, putting the customer at the heart of our thinking, and being ambitious and focused on how we can deliver the best services now and in the future.

- **Respectful**

We treat colleagues, customers and partners with respect, listening to their views, empathising and valuing their diverse needs and perspectives, to be fair, open and honest in all that we do.

- **Collaborative**

We listen to, engage with, learn from and work with colleagues, partners and customers to help achieve the best outcomes for everyone.

Person Specification *Technician (Network Optimisation)*

All the following requirements are essential unless otherwise indicated by *

Your ability to meet the job requirements will initially be assessed by the information provided on your application but further assessment will be undertaken at interview and, in some cases, by using other types of assessment(s).

<p>Qualifications</p> <ul style="list-style-type: none"> • Degree or HND/C or demonstrable equivalent gained through relevant work experience.
<p>Experience</p> <ul style="list-style-type: none"> • Experience of working within traffic or highway engineering.* • Experience of working within a professional environment and working as part of a team. • Experience of developing new skills and practices with a demonstrable ability to take on new challenges. • Experience of AutoCAD.*
<p>Essential knowledge, skills & abilities</p> <ul style="list-style-type: none"> • Excellent planning and analytical skills with a flair for finding creative solutions to problems. • Effective communication skills including an ability to present information in a range of written formats and an ability to communicate verbally across a range of settings including face to face and electronically. • Traffic and Highway engineering knowledge and skills.* • Up to date knowledge of relevant policy, technical, regulatory or professional framework.* • Ability to work individually and as part of a team.
<p>Other essential requirements</p> <ul style="list-style-type: none"> • Commitment to equality and diversity. • Commitment to health and safety. • Display the LCC values and behaviours at all times and actively promote them in others. • This is an essential car user post so you must be able to drive and provide a vehicle. <p><i>You will be required to provide a car for use in connection with the duties of this post and must be insured for business use. In certain circumstances consideration may be given to applicants who, as a consequence of a disability, are unable to drive</i></p>