

## **MEDWAY COUNCIL - JOB PROFILE**

<b>DESIGNATION</b>	<b>Senior Engineer - Traffic Signals</b>
<b>DEPARTMENT</b>	<b>Transport Engineering – Transport and Parking</b>
<b>RESPONSIBLE TO</b>	<b>Transport Engineering Manager</b>
<b>GRADE</b>	<b>Range 6</b>

### **1. MAIN PURPOSE OF JOB**

To lead the day to day operation of the traffic signals and telematics section within the Transport and Parking Service, with responsibility for:

- maintaining traffic signals and traffic system installations across Medway.
- management of traffic signal and telematics contracts, ensuring that contract requirements, conditions and performance are met.
- technical support to the UTMC (Urban Traffic Management and Control) system and remote monitoring systems managing telemetry.
- management and supervision of technical staff, consultants and development of junior posts.
- assisting the wider highways and streetworks team with project input and document checking of roadworks.
- assist in managing the Council's Highway network in line with its corporate objectives and legal requirements.

To lead on the design and supervision of new and modified traffic signal sites and installations to improve the operational efficiency of the highway network.

### **2. PERSON SPECIFICATION**

#### **Qualifications**

- Degree (or equivalent) in a relevant discipline.

#### **Experience**

##### *Essential*

- Extensive recent experience in the optimisation of traffic signal installations including the use of UTC/SCOOT.
- Extensive recent experience in the modelling of traffic signal junctions and networks in software packages such as LinSig.
- Extensive recent experience in the design, installation, maintenance and operation of traffic signals and UTMC systems (including fault reporting management systems) and protocols.
- Project management experience.

#### **Experience**

##### *Desirable*

- Ability to demonstrate the advanced theoretical, practical and procedural knowledge across a specialist area or an equivalent level of organisational, procedural and policy

knowledge.

- Autocad experience
- Understanding of the Traffic Signs Manual, TSRGD, Traffic Management requirements
- Knowledge of developing and producing designs for traffic management, pedestrian and cycle movements.

## **Skills**

### *Desirable*

- Demonstrable ability to analyse and interpret varied and complex information or situations, develop solutions and/or strategies that take more than a year to formulate.
- Demonstrable developed communication skills with the ability to present complex and/or sensitive information in an understandable way, using a variety of methods across a range of audiences.
- Demonstrable ability to progress a series of activities independently within recognised guidelines making frequent decisions without ready access to more senior officers except for advice on policy or resource issues.
- Demonstrates the ability to either:
  - (i) deal with high levels of work-related pressure, for example from deadlines, interruptions or conflicting demands, or
  - (ii) the equivalent of periods of hours at a time (e.g. a morning or afternoon) undertaking repeated manual calculations or other work with figures, or report writing or preparing for a presentation, or
  - (iii) all or most of the working day spent on being alert to risks or checking of
  - (iv) documents or equivalent.
- Can demonstrate dexterity, co-ordination or sensory skills where there is either some demand for precision and speed or considerable demand for precision in the use of these skills (e.g. data processing or speed typing)
- Demonstrable ability to either:
  - (i) Undertake some tasks or duties which are to the direct benefit of individuals or groups of people by impacting directly on their health and safety or well-being and/or
  - (ii) Provide general advice and guidance on internal procedures in relation to the well-being of people.
- Demonstrable ability to either:
  - (i) undertake direct responsibility for the line management of others, with the ability to provide direction, empower people to achieve objectives and take responsibility for team members' actions and errors, and/or
  - (ii) provide advice and guidance on the operation of established internal procedures in relation to human resources, this may include interpretation of policies and procedures to meet specific circumstances or problems.
- Demonstrable ability to either:
  - (i) handle cash, process cheques, invoices or the equivalent or considerable sums of money (i.e. £251-£1,000 per day) where care and accuracy are

- important, or
- (ii) under supervision of the service manager, be accountable for small expenditures (up to £10,000 each) from an agreed budget or income, or
- (iii) provide general information, advice and guidance on established internal procedures in relation to finance.

### **3. ORGANISATION**

This post is managed by the Transport Engineering Manager

### **4. PHYSICAL DEMANDS** Undertakes either:

- (i) ongoing considerable physical effort (e.g. regular lifting or carrying, pushing or pulling items of moderate weight, rubbing or scrubbing, or working in awkward positions), or
- (ii) normally limited or some physical demand but with periodic requirements for high physical effort (e.g. lifting or carrying, pushing or pulling items of heavy weight, equivalent to a sack of cement or potatoes, or working in very awkward positions).

### **5. EMOTIONAL DEMANDS**

Is not normally required to have contact with, or work for, other people (other than immediate work colleagues) which, through their personal circumstances or behaviour place emotional demands on the jobholder.

### **6. RESPONSIBILITY FOR PHYSICAL RESOURCES**

Takes high direct responsibility for any of the following:

- (i) the adaptation, development or design of significant information systems.
  - (ii) the adaptation, development or design of a wide range of equipment, land, buildings, other construction works or equivalent.
  - (iii) security of a range of high value physical resources.
  - (iv) ordering of a wide range of equipment and supplies.
  - (iv) making a significant contribution to the adaptation, design or development of either large-scale information systems for use by others, or of a range of equipment, land, buildings, other construction works or equivalent.
  - (v) providing interpretation, advice and guidance on the operation and implementation of external regulations and statutory requirements in relation to physical resources. This may require adaptation of internal policies and procedures.
  - (vii) a shared responsibility for the development of policies and procedures in relations to physical resources which will have a significant impact on the operation of that service or department.
7. WORKING CONDITIONS Deals with some exposure to disagreeable, unpleasant or hazardous environmental working conditions such as working outside in all weathers or people related behaviour such as verbal abuse

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working conditions such as working outside in all weathers or people related behaviour such as verbal abuse.

Technical witness in legal cases, where court appearance maybe required as part of this role.