

Highway Design Engineer (Grade 6) – Traffic Signals

Person Specification

We will use these criteria to assess your suitability for the job.

Essential

1. HNC/HND or Degree in Civil Engineering, Electrical Engineering, Transport Planning, or related discipline.
2. Advanced knowledge of engineering concepts and principles relevant to Traffic Signals, including:
 - Junction and pedestrian crossing signal design.
 - Signal staging, phasing, and timings.
 - The use of design software (e.g. AutoCAD, LinSig, TRANSYT, GIS tools)
 - The use of MOVA, SCOOT, and UTC systems and their application in network optimisation.
3. Advanced knowledge of Construction Design and Management (CDM) regulation, including Risk Assessments and Health and Safety plans.
4. Accountable for very large expenditure against budgets and ability to contribute to the setting and monitoring of budgets.
5. Can analyse and interpret very varied and highly complex information to solve a range of engineering problems and produce an engineering strategy to address long-term impacts relative to the specialist area

6. Advanced level of understanding of relevant legislation relating to Traffic Signals design.
7. Can meet commissioner needs at a highly developed level.
8. Can use relevant software relating to specialist area.
9. Can communicate complex and contentious information both orally and in writing to a varied audience.
10. Can work and negotiate with colleagues from a variety of organisations, including the need for effective and persuasive communication skills at an enhanced level.
11. Can supervise or manage staff on an occasional basis, regularly giving instructions to other employees.

Desirable

1. Member of an Engineering Institution, working towards achieving I. Eng or C. Eng.
2. Experience of supervising or leading a team
3. Developed knowledge of appropriate IT systems.

Additional Requirements

Full UK Driving licence

Our Values

Do you share our values of **proud**, **fair**, and **ambitious**?