

Context statement

To accompany job description and person specification when required

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Job title: Engineer (Modelling)

Directorate – Place

Service – Highways – Infrastructure and Assets

Team – Transportation Modelling

Job Description Reference - ES587 e,f,g

Organisation Structure

Reporting to: Principal Engineer - Transportation Modelling

Responsibility for:

Engineer (Modelling): is a career grade post. It comprises 3 levels (Grades 9, 10 & 11). The post holder will be expected to assist in the provision of transportation related assessments and studies ranging from transport impact assessments for development to the preparation of area wide transportation strategies. It will also involve responding to requests from clients.

At Level 3 this means working across the full range of work, negotiating with clients, and ensuring fees are paid.

At levels 1 and 2 responsibilities are broadly similar to the level 3 Engineer but the complexity of work will reduce and the amount of supervision and training increase. Post holders would be expected to prepare proposals for clients but not necessarily be involved in negotiating with clients for new work direct.

Context of Work

The Transportation Modelling Team sits within the Economic Growth and Infrastructure service area. The Economic Growth and Infrastructure is responsible for promoting the principles and practice of sustainability in Dorset Council and across the County. It develops and implements economic development strategies, plans for, and regulates minerals and waste developments, prepares and implements transport strategies and provides the formal views of the Highway Authority as statutory consultee on planning applications. The service protects and improves Dorset's environment and improves the accessibility of rural communities and the delivery of services. The service develops and maintains the County Council's external relations and promotes Dorset's interests at sub-regional, national, and European levels.

The Transportation Modelling Team support a wide range of internal and external clients by undertaking a full range of transport studies and through its role as Highway Authority manage the impact of development on transport infrastructure.

The team collect transport data, maintain databases, create, and develop transport models and undertake forecasting and economic analysis of schemes. The team are responsible for organizing surveys on the highway network, liaison with the Police and other agencies and recording the results. This data is used to keep up to date transportation models and forms the basis of the design of highway improvements and the assessment of development proposals. The survey and modelling work can range from small scale localized projects to assessing the complex interaction of journeys across the whole South-East Dorset conurbation. Importantly the output provides evidence for



developing business cases to underpin funding bids, scheme prioritization and the making and assessment of planning applications. It is also necessary to support public enquiries and appeals.

The team comprises seven permanent officers reporting to the team leader.

Modelling Team

- Principal Engineer Modelling
- Two career grade Modelling Engineers

Data Collection Team

- Principal Technician
- Senior Technician
- Assistant Technician
- Apprentice - Assistant Technician

In addition, a range of temporary enumerators carry out survey work for the Data collection Team.

ADDITIONAL INFORMATION

The following specific qualifications and experience are required:

At level 1 the post holder will be expected to enter the career grade with a BTEC Higher National Certificate (HNC/HND) or equivalent

At level 2 the post holder is expected to be working towards Incorporated Engineer or equivalent status

At level 3 the post holder is expected to be an Incorporated Engineer or to have a master's degree in transport or a related discipline or equivalent

Travel Requirement

This role will involve the requirement to travel on an irregular basis.

[This means that there is a requirement for a vehicle (or transport deemed to be suitable by the Council) to be available on most working days to carry out normal duties.

Other information

The ability to write technical reports in accurate written English is essential for this post.

There is no DBS requirement for this role.

Context statement prepared by:			
Manager	Mike Moore	Date	March 2022