

JOB DESCRIPTION

JOB TITLE:	Transport Data and Modelling Officer
MANAGED BY:	Data and Modelling Manager
GRADE:	8

ROLE OVERVIEW

Key accountabilities:	As a Transport Data and Modelling Officer, you'll work to gain insight and knowledge from large datasets from a wide range of sources and use analytical tools and modelling systems to create compelling evidence that helps shape the future of how people will travel in the West of England. On a day to day basis you will be analysing transport data, undertaking modelling tasks and producing visualisations to inform the development and implementation of key plans and policies. This will include schemes aligning with the West of England Combined Authority's Transport Vision and Strategy, the Local Growth Strategy and Spatial Development Strategy.
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THE ROLE

The West of England Mayoral Combined Authority (MCA) is seeking to appoint a Data and Modelling Officer to join the Transport Strategy team.

Key Attributes:

We are looking for someone with an analytical mind, an aptitude for technical tasks, and a keen interest in transport.

KEY RESPONSIBILITIES

- Co-ordinate the collection, storage, monitoring, and analysis of the Transport Strategy team's data requirements.
- Develop analytical tools that support the Transport Strategy function and decision making on transport related decisions.

- Use GIS to undertake spatial analysis of large complex datasets and produce visualisations that can inform decision making.
- Use data from the West of England Regional Transport Model to inform analysis, reporting and decision making on schemes.
- Work with colleagues to develop the MCA's approach to data management processes.
- Build relationships with key data aggregators both locally and nationally. Identify opportunities to develop the MCA's transport data assets.
- Assist senior members of the team in preparing data, evidence, and analysis to support transport programmes such as a new Joint Local Transport Plan, Bus Strategy, and schemes as part of the Transport for City Region funding.
- Assist with the preparation of data, analysis, reports and presentations for meetings with senior leadership and Local Authority Partners.

PERSON SPECIFICATION

ESSENTIAL (MUST HAVE)

Qualifications and Knowledge

- Degree level or equivalent work experience in a related field (e.g. Transport Planning, Geography, Statistics, Data Analysis).

Experience

- Experience in collecting, organising and analysing data to provide specific domain insights.
- Experience of working with domain specific analytical and modelling tools and/or applying appropriate methods to provide data insights.
- Experience of working with multidisciplinary colleagues and communicating with non-technical stakeholders.

Skills and Competencies

- Ability to choose and use appropriate visualisation methods for presenting data insights to colleagues and other stakeholders.
- Ability to use spatial analysis tools and techniques for analysing and visualising spatial data (e.g. QGIS/ArcGIS).
- Familiarity with running and using programming/coding languages (e.g. R/Python/SQL/VBA/DAX).

DESIRABLE

Qualifications and Knowledge

- Understanding of local government politics, political structures and culture.

Experience

- Understanding of transport and highways legislation, regulations, national policies and best practice.

Skills and Competencies

- Transport modelling experience.

