

JOB DESCRIPTION

JOB TITLE:	Senior Transport Modeller
MANAGED BY:	Senior Transport Specialist
GRADE:	11

BACKGROUND

The West of England Combined Authority is seeking to appoint a Senior Transport Modeller to join the Transport Strategy team.

This is an exciting time to join the West of England Combined Authority. In the last year nearly three quarters of a billion pounds of new investment has been secured for the region. New plans are in place to deliver on Mayoral priorities to improve transport, skills and housing for our residents, take decisive action to tackle the climate emergency, and to support communities facing the cost-of-living crisis. There is a relentless focus on delivery to put the West of England on the map for regional, national and global success.

Led by the regional Metro Mayor, the West of England Combined Authority brings together three local councils, the Local Enterprise Partnership and works with communities, other public services, and industry to deliver for the region.

You will be a key player as we create West of England Sustainable Transport. We are delivering on the big transport improvements people in the region need and deserve, changing how people travel, making journeys affordable, reliable, enjoyable, and safe.

Come and help shape the future of the West of England, a place so many people are proud to call home.

THE ROLE

To drive forward the transport modelling capability within the Combined Authority and provide the evidence base for core transport policy and projects including:

- The Joint Local Transport Plan and other strategies,
- Aiding the assessment of schemes being delivered as part of key programmes, such as the CRSTS, and
- Support the development of Local Plans within the region.

KEY RESPONSIBILITIES

- To report to and support the Senior Transport Specialist in the provision and co-ordination of transport evidence to support transport schemes within the region
- To manage the recently developed regional model and other existing and emerging transport data sets
- To maintain the Combined Authority's transport models throughout their lifecycles and manage model updates and development to ensure they remain relevant and in accordance with DfT Guidance
- To manage use of the models by the Combined Authority as well as external stakeholders
- To apply technical expertise and provide guidance to teams throughout the organisation and local government partners in the use of transport model outputs and transport data
- To remain on top of current and new datasets and modelling best practice to ensure the regional model is compliant with industry requirements for appraisal
- To engage with the constituent councils through the chairing of the Joint Officer Modelling Group and manage its joint work programme.
- To determine connections and opportunities with emerging datasets and platforms
- To explore and deliver innovative modelling solutions
- To manage the procurement and employment of consultants for modelling purposes
- To assist and lead in any other areas of comparable work as may be required by the Senior Transport Specialist as a result of workload and priorities.

PERSON SPECIFICATION

ESSENTIAL (MUST HAVE)

Qualifications and Knowledge

- Educated to degree level in relevant academic subject (such as Transport Planning, Geography, Environmental Studies/Science)
- Qualification or significant experience in relevant project management disciplines and their practical application, including management of cost, risk, schedule, change and requirements
- Significant knowledge of transport modelling techniques, including practical experience of transport, highway and spreadsheet model assignments
- Experience of producing business cases for transport schemes
- Knowledge and experience of strategic and local development plans and/or appraisal of major developments

- Understanding of transport, highway and environmental issues affecting the operation of a regional transport network
- Understanding of key local government politics, political structures and culture related to the role

Experience

- Demonstrable experience in the incorporation of transport principles, policy, priorities and schemes in the formulation of major transport scheme appraisal
- Experience of handling large data sets
- Experience of managing strategic transport model development
- Experience of delivering a wide range of transport planning projects
- The experience and credibility to work effectively with senior managers, leaders and portfolio holders
- Proven ability to understand and promote complex issues in a persuasive and sensitive manner
- Proven ability to present complex information to a range of key stakeholders to secure buy-in and engagement
- Experience of working with public and private sector partners
- Understanding of regional and national transport policies and professional best practice
- Demonstrable experience of partnership working with a range of local authority and stakeholder groups, politicians and disciplines
- Experience and participation in public consultations

Skills and Competencies

- Ability to use industry standard modelling packages including SATURN, VISUM, TRACC
- Skilled with ArcGIS
- The ability to work with multiple stakeholders and partners
- The ability to translate complex problems into easily understood solutions
- Excellent project and programme management skills
- Ability to communicate complex information effectively with elected Members and colleagues at all levels across the Combined Authority, constituent councils, stakeholders and members of the public.
- Ability to work in a collaborative way while simultaneously setting direction
- Ability to work constructively as part of a team and independently
- Able to research, collate and analyse complex issues and develop innovative approaches to problem solving.
- Able to prioritise workload, to work under pressure and meet deadlines, acting on own initiative when necessary
- Clear understanding of working in a political environment

DESIRABLE

Qualifications and Knowledge

- A relevant post-graduate qualification
- A chartered membership of a relevant professional body (TPP, CIHT, CILT for example.)
- Previous experience of procuring modelling consultants and the writing of technical model specification documents
- Previous experience upskilling and training others in transport modelling
- Experience of working with other modelling packages

REWARDS AND BENEFITS

Alongside a competitive salary, we offer an excellent benefits package including:

- 26 days annual leave plus bank holidays
- Generous Employer-Contribution Pension Scheme through the Avon Pension Fund
- Cycle to work scheme and secure bike parking
- Free eye tests for all display screen equipment (DSE) users
- Discounted monthly bus tickets
- Hybrid working to split your week between the office and home to help you achieve the best work/life balance and career goals.

We have recently moved into a new bright, airy, modern office space, with all latest technology, under a 10-minute walk from Bristol Temple Meads Train Station. We offer flexible and hybrid working options too if you would rather work from home, or another suitable location.

As an equal opportunities employer, we invite applicants to contact us to identify any additional support they may need during the recruitment process.

WE PAY THE LIVING WAGE

We're proud to have been accredited as a Living Wage Employer

Living Wage accreditation means that everyone working at The West of England and Combined Authority receives a minimum hourly wage of £14.21 - higher than the government minimum for **over 23s, currently £9.50 per hour**



It also means that anyone who provides services to, or has contracts with us, must pay the Living Wage, setting the bar for good employer practices in the region. This includes those who provide services to The West of England and Combined Authority, such as cleaning and facilities management contracts, as well as those who have contracts with us - such as IT providers.