



Job Summary Overview

Job title	Technical Lead Transport Modelling
Career family	Public Protection & Regulatory
Professional pathway	Planning
Career family level	Technical / Professional Expert or Specialist (Tier 6)
Grade	G13
Reports to	Strategic Transport Manager
Financial responsibility	Budget £300k including income
Supervisory responsibility	Supervision of Data Analysts and training of senior & Transport Planners
Reference number	

Job Summary

The Technical Lead for Transport Planning (Modelling) is responsible for leading the development, implementation, and management of transport models to support strategic planning and decision-making across Oxfordshire County Council. This role provides technical advice and guidance on transport modelling, ensuring robust analysis and evidence-based recommendations for transport policies, schemes, and investment priorities. The postholder will coordinate the suite of models and consultants along with manage the data, systems and software. They will work closely with internal teams, external partners, and stakeholders to deliver high-quality modelling outputs that inform the council's transport strategy.

Key responsibilities:

- Lead the development, calibration, and validation of strategic and local transport models (e.g., SATURN, VISUM, CUBE, or similar). Developing the OxMod modelling strategy of suite of models to fulfil the Oxfordshire needs.
- Provide expert advice on modelling methodologies, data requirements, and scenario testing.
- Coordinate and manage modelling workstreams, ensuring outputs meet technical standards and project objectives.
- Supervise and mentor Data Analysts in Place and across the council and support the training of colleagues in the transport planning field in modelling techniques.
- Collaborate with colleagues across planning, engineering, and policy teams to integrate modelling into wider transport planning activities.
- Input into the Spatial Development Strategy and lining up with the Lead for the spatial model – ensuring that models and data are consistent regionally.



- input into the modelling of development and investment strategies – including Local Plans
- Advise on modelling future scenarios and options for presentation to various different groups including senior officers, members, regional partners and central government representatives.
- Be an expert witness and technical expert at examinations, committees and public meetings where necessary.
- Prepare technical reports, presentations, and briefings for senior management, elected members, and external stakeholders.
- Oversee the procurement and management of modelling software, data, and consultancy support.
- To advise on any income from modelling and commercial agreements
- Ensure compliance with relevant standards, guidance, and best practice in transport modelling.
- Support the development of business cases and funding bids through robust modelling evidence.
- Represent the council at forums on transport modelling and planning.

Specific requirements	Essential <i>Mark with ✓</i>	Desirable <i>Mark with ✓</i>
Degree in transport planning, engineering, mathematics, or related field	✓	
Extensive experience in transport modelling and analysis	✓	
Strong analytical and problem-solving skills	✓	
Experience managing projects and budgets	✓	
Excellent communication and report writing skills	✓	
Experience supervising staff or mentoring	✓	
Knowledge of local government transport planning	✓	
Experience with GIS and spatial analysis tools	✓	
Membership of relevant professional body (e.g., CIHT, TPS)		✓
Procurement and commercial acumen in commissioning models and utilisation		✓
Proficient in modelling software (e.g., SATURN, VISUM, CUBE, EMME)		✓

Working Arrangements

- The post is not politically restricted.
- Standard DBS check required
- Contractual base as detailed on contract, but you are able to work on a flexible basis in line with our Agile Working Policy.
- Able to travel across the county and work from various office locations within the county.



Health and Safety at Work

All employees have responsibilities for health and safety – both for themselves, colleagues and the people we work with.

The potential significant hazard(s) and risk(s) for this post are identified below (those ticked).

☐	Provision of personal care on a regular basis	☐	Driving HGV or LGV for work
☐	Regular manual handling (which includes assisting, manoeuvring, pushing and pulling) of people (including pupils) or objects	☐	Any other frequent driving or prolonged driving at work activities (e.g. long journeys driving own private vehicle or a council vehicle for work purposes)
☐	Working at height/ using ladders on a regular/ repetitive basis	X	Restricted postural change – prolonged sitting
☐	Lone working on a regular basis	☐	Restricted postural change – prolonged standing
☐	Night work	☐	Regular/repetitive bending/ squatting/ kneeling/crouching
☐	Rotating shift work	☐	Manual cleaning/ domestic duties
☐	Working on/ or near a road	☐	Regular work outdoors
X	Significant use of computers (display screen equipment)	☐	Work with vulnerable children or vulnerable adults
☐	Undertaking repetitive tasks	☐	Working with challenging behaviours
☐	Continual telephone use (call centres)	☐	Regular work with skin irritants/ allergens
☐	Work requiring hearing protection (exposure to noise above action levels)	☐	Regular work with respiratory irritants/ allergens (exposure to dust, fumes, chemicals, fibres)
☐	Work requiring respirators or masks	☐	Work with vibrating tools/ machinery
☐	Work involving food handling	☐	Work with waste, refuse
☐	Potential exposure to blood or bodily fluids	X	Face-to-face contact with members of the public
☐	Other (please specify):		