ROLE DESCRIPTION

Job Title	Lead Transport Modeller (Highway)
Salary Band	SCP 44-50
Reporting to	Lead Officer Transport Evidence, Modelling and Economics
Directorate	Policy and Strategy
Service Area and sub area	Evidence, Research and Intelligence
Team	Transport Evidence and Analysis
Political Restriction	NA

1. Primary Purpose of the Post

LCRCA has been granted £1.5bn of developed transport funding through the Transforming City Regions Fund. The Transport Evidence, Modelling and Economics team is responsible for working with scheme promotors to ensure the modelling and economic elements of projects are developed in line with internal and DfT governance.

This role will be focussed on providing additional support to the Liverpool City Region's constituent Local Authorities related to development of their highway assignment models. These models are crucial for the appraisal of TCR projects and for Local Plan assessments.

As an organisation we are looking to deliver major transport investment in active travel, bus and rail. To this end, we are seeking a transport modeller to lead on highways model development with a particular focus on transport investment propositions.

2. Your responsibilities

The key responsibility of the role is to act as an "intelligent client" for transport projects involving strategic highway modelling. The role will support Local Authorities in specifying, procuring and technical management of strategic highway models (e.g. in SATURN). The role will also include advising on appropriate modelling/economic methodologies for TCR projects and reviewing outputs.

This will include but is not limited to:

- Supporting Local Authorities in developing technical specifications for highway assignment models including maximising use of information from the strategic Liverpool City Region Transport Model (LCRTM)
- Provide technical critical friend support to Local Authorities throughout model development
- Training and up-skilling Local Authority colleagues in relation to transport modelling
- Working with colleagues to identify appropriate highway modelling and economic methodologies for proposed investments (these frequently follow HM Treasury Green Book and Transport Analysis Guidance for transport but may adopt bespoke solutions for uncommon or complex projects)
- Reviewing and feeding back into third party modelling work as it is produced, and helping the LA and CA understand the implications of the consultants' assumptions and results

- Collaborating with other members of the Transport Evidence, Modelling and Economics team to provide consistent advice
- Supporting the CA's Evidence, Research and Intelligence, and Place Directorates in analysing highway modelling data, establishing an evidence base for devolved policy, typically linked to transport
- Supporting with impact assessment, modelling and scenario testing of projects
- Managing relationships with both internal and external stakeholders, initiating and agreeing work, managing changing needs and expectations, and ensuring delivery to agreed deadlines
- Developing the work programme for the post, taking account of competing priorities
- Updating on progress through CA Boards and TAG and providing recommendations

We expect the candidate will identify further areas for development. It provides scope for establishing best practise and the opportunity for a talented, self-starting and entrepreneurial candidate to deliver significant value to the team and the LCR.

Project Monitoring / Portfolio Management

- To support the Lead Transport Economist in leading and overseeing team members in monitoring activities

Continuous Improvement and Team Development

- To identify opportunities to improve the team's operations, strategy and outcomes
- To train and help develop team members
- To identify opportunities for self-development

3. General Corporate Responsibilities

- To support the implementation of the City Region's Devolution agreement and wider strategic priorities
- Working with other members of LCRCA Leadership team to make open, honest and effective corporate management decisions within the LCRCA's formal governance structure
- Provide leadership by communicating the vision and interpreting and providing direction for policies, standards and systems
- To contribute to the corporate management of the strategic risks facing the LCRCA
- Promote corporate efficiency targets and initiatives
- Promote understanding of and adherence to the Combined Authority's core values by modelling appropriate behaviours and encouraging others to do likewise
- Promote and encourage continued improvement in service quality and efficiency
- To participate in all aspects of training and development as directed to improve personal skills so as to improve effectiveness and efficiency of service delivery

4. Recruitment Plan

Competency Based Interview
Assessment

LIVERPOOL CITY REGION COMBINED AUTHORITY

METRO MAYOR LIVERPOOL CITY REGION

PERSON SPECIFICATION

Job Title: Lead Transport Modeller (Highways)

Criteria		
Qualifications and Training	**E = Essential D = Desirable**	**Identified By**
Degree or equivalent in a quantitative field	**E**	**A**
A masters degree or professional training in a related field	**D**	**A**

Experience and knowledge	**E = Essential D = Desirable**	**Identified By**
Experience in economic appraisal, transport impact assessment, transport modelling or policy making, leading to a robust working knowledge of public appraisal methods including HM Treasury's Green Book and DfT's Transport Analysis Guidance	**E**	**A, I, P**
Experience of producing and analysing transport modelling, particularly strategic highway modelling e.g. SATURN	**E**	**A, I, P**
Experience of HM Government, either through experience as a civil servant or local authority officer, or in providing consultancy/services	**D**	**A, I**
Knowledge of local and combined authority investment practice for transport	**D**	**A, I**
Experience of delivering to senior stakeholders, including the preparation of reports and supporting materials on proposed projects	**E**	**A, I, P**
Experience of supporting operational improvement and performance improvement through positive engagement	**D**	**A, I**
Experience of building effective working relationships across a range of stakeholders	**E**	**A, I, P**

Skills and abilities	**E = Essential D = Desirable**	**Identified By**
Ability to request, analyse and interpret complex information	**E**	**A, I**

Developed written and oral presentation skills with ability to present ideas and decisions in a clear and comprehensible way	**E**	**A, I**
Ability to manage and deliver on concurrent work streams	**E**	**A, I**
Positive, flexible and responsive, with a dynamic and creative approach to problem solving	**D**	**A, I**
An understanding of the Liverpool City Region devolution agreement, local government, central government and their roles structures and relationships	**D**	**A, I**
Understanding of government policies and their application to the Combined Authority's priority areas	**D**	**A, I**

Personal Attributes	**E = Essential D = Desirable**	**Identified By**
A personal commitment to the Vision and Aims of Liverpool City Region Combined Authority	**E**	**A, I**
Commitment to providing high quality client service	**E**	**A, I**
Commitment to equal opportunities	**E**	**A, I**

Core Behavioural Competencies	**E = Essential D = Desirable**	**Identified By**
Knowledge of the key issues facing the City Region.	**D**	**A, I**
Excellent quality, time management and organisational skills.	**D**	**A, I**
Flexible approach to working hours and willingness to work flexibly as and when required.	**D**	**A, I**

Key to Assessment Methods:
**Please specify for each criterion, column to be removed for external posting.*

KO – Knockout question	A - Application	P – Presentation	T - Test
FQ – Filter Question	I – Interview	E – Exercise	AC – Assessment