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| **Company / Organisation Name:** | East Sussex County Council |
| **Team / Department**: | Transport for the South East |
| **Address:** | County Hall, St Anne's Cres, Lewes BN7 1UE |

**Provisional title for project:**

Enhancing Transport Resilience in the South East Region

**Short description of the problem that would be addressed by the project:**

Transport resilience is vital for ensuring reliable connectivity and minimising disruptions in the South East region, particularly as climate-related and geographical challenges intensify. In the recent update of the Transport for the South East strategy, transport resilience was identified as a key focus area. This project aims to explore how transport resilience issues can be addressed within the planning and appraisal process by identifying and analysing the factors contributing to transport vulnerabilities and assessing how resilience can be integrated into these frameworks.

The research will involve a review of relevant theories and best practices, combined with data analysis. The student will be required to select a study area based on their initial research, ideally focusing on a single local transport authority with clear transport resilience challenges. The project’s objective is to develop a framework that proposes targeted solutions for enhancing resilience and provides guidance applicable to regions across the country.

**Short description of the data sources that would be used in the project, and how they would be used**

* Network Data (e.g., OpenStreetMap, Ordnance Survey data): Used for spatial analysis, such as connectivity and accessibility assessments.
* Land use and Points of Interest: Helps identify key locations where people may be traveling from and to.
* Traffic Counts (either from DfT website or provided by Local Transport Authorities): Provides insights into the usage of key network links.
* Travel Survey Data (e.g., national and regional travel surveys): Used to understand people’s travel behaviour and needs.

**Would any work by the student need to be carried out on site at the Company (with the exception of supervisory**

**Meetings)?**

One site visit and two meetings at Lewes County Hall (at the beginning and end)

**Any issues of data confidentiality and IPR that would need to be resolved**

No

**Essential skills**

Systematic literature review

Problem solving

Data analysis

Understanding of transport and urban planning theory

**Desirable skills**

Understanding of transport and urban planning system

Programming language (e.g. Python, R)

**Preferred degree programmes (if any)**

Planning, Geography, Engineering, Economics

**Preferred selection method**

CV and Interview

**Support and training offered by the company**

Data analysis

Research Design

**Financial assistance offered by the company**

£500 + travel expenses

**Any other comments**

If there are any questions about the 2025 programme, please contact Richard Arnold at [richard.arnold@ucl.ac.uk](mailto:richard.arnold@ucl.ac.uk). The completed form should also be returned to this address.