

Traffic Modelling

Traffic congestion is increasingly becoming a barrier to development. Glanville has established an impressive reputation for applying innovative thinking to develop practical and deliverable solutions which are often the key to unlocking development opportunities and releasing planning consents.

Our experienced staff employ the latest specialist computer software packages to model traffic generation, assess the performance of a wide range of junction types and provide essential feedback and support as part of the development planning and highway design process. The powerful micro-simulation traffic modelling package VISSIM allows us to model the behaviour of individual vehicles on the road network and provide real-time visualisations of traffic behaviour, while the use of more established junction capacity software allows network constraints to be quickly identified and resolved.

Glanville has specialist skills in the following software packages:

VISSIM - for assessing complex junctions and networks

ARCADY - for assessing normal and mini-roundabouts

PICADY - for assessing priority junctions

LinSig and TRANSYT - for assessing signal controlled junctions and networks

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Structural Engineering



Civil Engineering



Transport and Highways



Geomatics (Land Surveying)



Building Surveying