

7. CONCLUSIONS

This report has been prepared to describe in some detail the development, calibration and validation of a multi-mode synthetic transportation model for the A453 Corridor Multi-Modal Study.

The model has been developed to cover the 24 hour period of an annual average weekday, with both traffic and public transport assignments for hourly periods representing the morning and evening peak period (2 hours) and an inter-peak period (2 hours).

The model structure is well suited to the travel characteristics of the study area including:

- Recognition of the different travel characteristics of local and longer distance movements.
- Coverage of all main modes of transport including cars, light goods and heavy goods vehicles, public transport modes including bus, light and heavy rail, park and ride, walk and cycle.
- Synthesis of all movements generated within the main area of interest recognising different behavioural groups.
- Recognition of trip chains through the whole day.

Validation reported in Chapter 6 has shown that the model replicates existing movements to a more than acceptable standard. The model therefore provides a sound basis for forecasting and evaluation of the transport strategies in the study area.