

Task 2.14 Ports and Airports

Scope

The principal reasons for wanting to give these areas special treatment are:

- their traffic generation is unique;
- much of the traffic may not be included in the household survey (eg air and ferry passengers arriving from elsewhere, who are not resident in the study area);
- they are a major source of CV (commercial vehicle) trips.

Air Passengers

We can construct a supplementary model for travel demands from the airport if we have annual air passenger numbers and forecasts, current information on access mode shares (distinguishing car driver and passenger and taxi particularly) and preferably information on where air passengers live (ie residents or non-residents of Wellington region). We would also like the time profiles of passenger arrivals and departures (or alternatively flight arrival and departures so we can map time profiles onto the data. Model 'calibration' would be assisted by obtaining traffic counts (by time of day) on the airport approach road(s). So the first thing is to find out what data are available – the ideal would be to be able to commission some simple tables from an air passenger survey.

In application, there are the following types of personal traffic accessing the airport:

- air passengers non-residents,
- air passengers, residents,
- meeters and greeters,
- airport worker commutes,
- other business sightseer trips.

In principal only the first of these is missing from our data base. However, the trip attraction rates from a conventional trip end model would not reflect the particular characteristics of the airport, and the extra information would enable these to be improved.

Ferry passengers

The issues are similar to airports, but the traffic generation is usually much smaller. Our concern is only with those ferries which serve non-residents, not local ferries.

Commercial vehicles

If we could get information from a count 'cordon' around the port and airport on the CV trip generation, this could be used to improve the trip matrices.