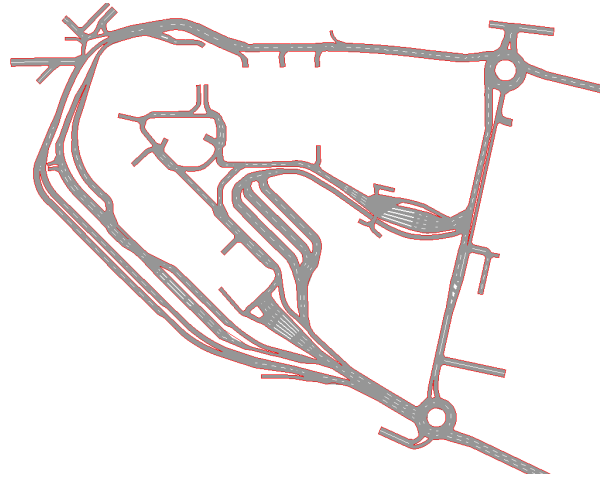


Dublin Airport Operational Assessment



ILTP were commissioned by Dublin Airport Authority to undertake an operational assessment of the existing transport arrangements at Dublin Airport. The passenger volumes that pass through Dublin Airport grow by approximately 10% each year, reaching 17 million passengers in 2004. The projected future year passenger numbers for Dublin Airport are 40 million passengers. This figure is unlikely to be achieved without the introduction of a second terminal or metro line. Therefore the study concentrated on optimising the road infrastructure for the following 3 - 5 years.

The operational assessment highlighted various distinct areas within Dublin Airport and distinct services associated with each of these areas. The appraisal of the existing conditions highlighted the fact that certain areas were very close to capacity and would not cater for the introduction of much additional traffic.

The appraisal also highlighted that certain areas within Dublin Airport were not being utilised to their full potential. The ILTP study investigated which services would most benefit the efficiency and capacity of Dublin Airport by being moved to these underutilised areas.

The ILTP analysis utilised S-Paramics microsimulation software, as it was able to accurately simulate the various vehicle types and their operations in Dublin Airport. Such operations include: the taxi rank, various bus stops and timetables, and private car and taxi set down at the departures ramp.

S-Paramics also allowed for the moving of the various services to underutilised areas of Dublin Airport and to assess the effect that such a strategy would have on effectiveness, efficiency and capacity of Dublin Airport.