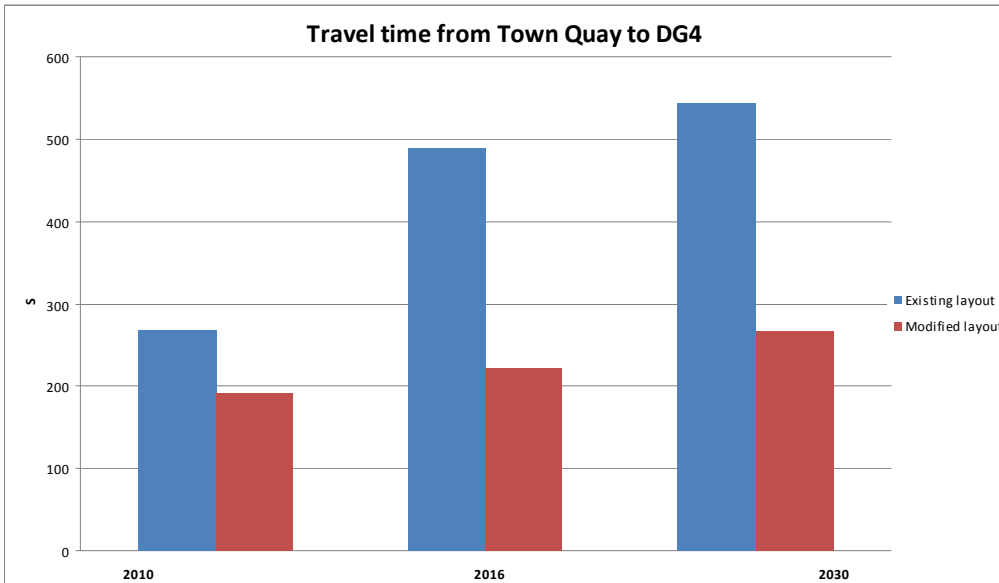


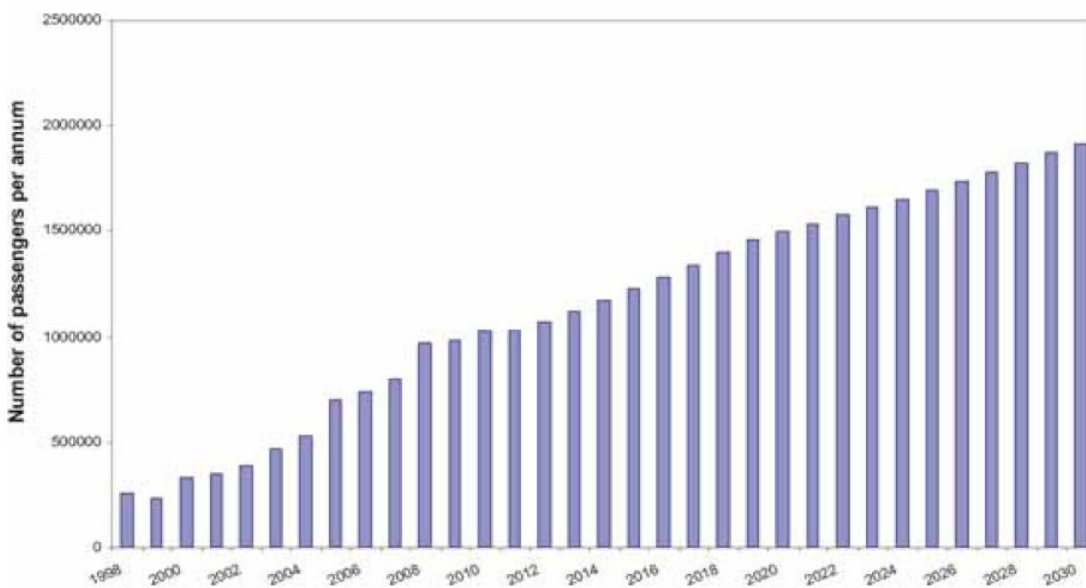
Appendix 5: Travel Time Forecast from Town Quay to Dock Gate 4, 2010 – 2030.

ROMANSE modelled various options as part of the City of Southampton Port Master Plan. Flow matrices were provided by Mott Macdonald, these included traffic growth estimations in both background and port traffic up to 2030. ROMANSE employed the expert assistance from Halcrow to provide model auditing. Aimsun computer models of the road network around dock gates 4 and 10 in Southampton were developed. The purpose of the models is to provide a facility for testing options to mitigate for increases in traffic flows following both new developments (e.g. Royal Pier & town Quay) and increased use of the port. The model showed that by expanding the traffic capacity in the locality of Platform Road, the prospective increase in travel time from Town Quay to Dock Gate 4 could be reduced by around 50%, (see graph 1 below).



Graph 1: Dock Gate 4 average travel time from Town Quay (from *Dock Gate 4 and Dock Gate 10 feasibility modelling*)

A component of the traffic growth arises from the growth in Cruise Passenger numbers (see Graph 2 below)



Graph 2: Forecast Growth in Cruise Passengers per annum (from Port Master Plan)