



14 January 2015

Our Reference: SYD13/00735/04 (A8283441)
Council Ref: 72729/14

The General Manager
Lane Cove Council
PO Box 20
Lane Cove NSW 1595

RECEIVED

16 JAN 2015

Attention: Tim Sullivan

RECORDS

Dear Sir

ST LEONARDS PARAMICS MODEL EXPANSION

Reference is made to your letter dated 8 December 2014 to Roads and Maritime Services (Roads and Maritime) regarding the proposal to expand Council's St Leonards Paramics Model, referred to Roads and Maritime for comment

Roads and Maritime has reviewed the information provided, and does not recommend extending the St Leonards Paramics model into the local street network as proposed. Developing appropriately small zones and the data requirements for determining the traffic generation and trip patterns for these small zones makes modelling a local network (aside from local roads with a collector road function) in microsimulation time consuming and very costly. The return gained from this investment may not be worthwhile.

Analytical modelling: SIDRA and SIDRA network (or similar tools) would typically be sufficient for analysis of development traffic impacts on the road network, and for assessment of proposed road improvements. Typical traffic performance measures, including network (route) performance, intersection performance and intersection movement performance should be reported, for all modelled peak hours.

If Lane Cove Council wishes for the St Leonards Paramics model to be used for analysis of development traffic impact on Pacific Highway and Falcon Street, the Paramics traffic demand will need to be updated.

Development generated traffic will need to be agreed with Roads and Maritime Land Use, prior to proceeding with modelling; particularly modelling time horizons, peak hour periods, traffic generation rates, total generated traffic and traffic distribution for the whole St Leonards development area as defined by the Council.

Whether analytical or micro-simulation modelling is suitable for analysis and assessment depends how reasonably accurate it represents road features, traffic demand, traffic control, public transport (buses) and other traffic specific matters.