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Dear Kate

Modification Request for the Macquarie University Concept Plan - Transport Assessment

This letter has been prepared in response to Transport for NSW's (TfNSW) and City of Ryde Council's submissions to the Modification Request for the Macquarie University Concept Plan (MP 06_0016 MOD 1).

The initial Macquarie University Concept Plan committed to a target of 40% non-car modal split (or a maximum 60% car mode share). The Macquarie University Concept Plan 2009 was based on providing facilities for an Equivalent Full-Time Student Load (EFTSL) of 25,200 on the Campus by 2031. Projections have been revised to 39,776 EFTSL by 2036; approximately 14,500 EFTSL (50-60% additional student load) beyond initial projections.

To understand the impact of these additional students on the road network, trends in travel to Macquarie University between 2010 and 2017 have been analysed. This is based on the travel survey conducted by Macquarie University of staff and students. The trends are shown in Figure 1, and indicate:

- The level of public transport usage (train and bus) has increased significantly from 13% in 2010 to 52% in 2017.
- At the same time, private vehicle travel to the University has decreased significantly from 51% in 2010 to 24% in 2017

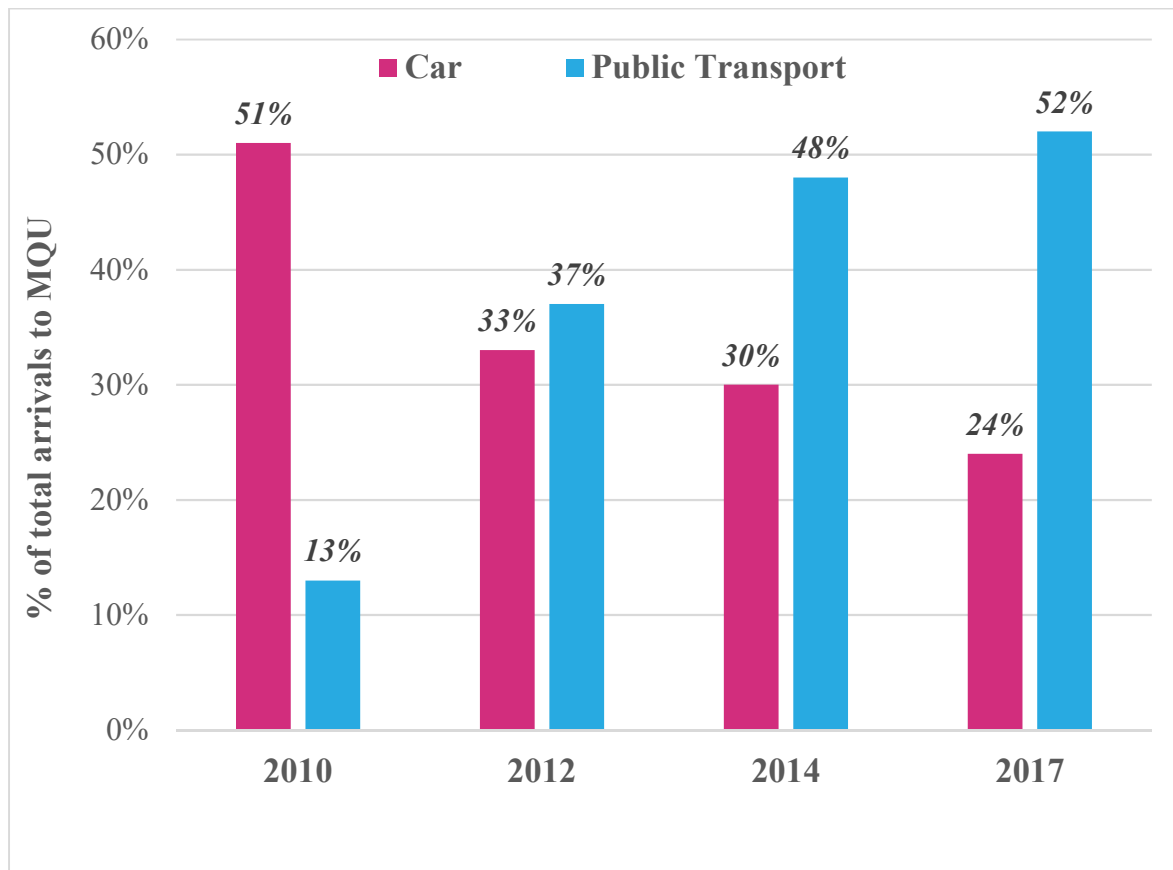


Figure 1 Travel trends to Macquarie University

The total daily number of vehicles accessing the Macquarie University campus has been determined based on the following scenarios:

- (i) Using the initial 2009 forecasts that formed part of the Concept Plan (i.e. 60% car mode share and EFSTL of 25,200)
- (ii) Using the latest 2017 forecasts (i.e. 24% car mode share and EFSTL of 39,776)

The results of the analysis are provided in the table below. This confirms that even with the higher EFSTL number, the significant shift away from car towards public transport will result in a reduction in the daily number of vehicle trips to the campus.

Variable	Concept Plan Forecast	Current Forecast
EFSTL (2031)	25,200	39,776
Car mode share	60%	24%
Vehicle occupancy	1.1	1.1
Daily Attendance	75%	75%
Total daily cars	10,309	6,509

It could be expected in future, with the opening of the Sydney Metro Northwest service, that public transport usage would continue to increase given the much improved public transport accessibility. This would further reduce the number of car trips to the campus.

Please don't hesitate to contact the undersigned should you require further information

Yours sincerely

A handwritten signature in black ink, appearing to read 'J. Milston', with a stylized flourish at the end.

Joshua Milston
Senior Transport Planner MIEAust CPEng