

5 April 2023

Project/File: 301401405

**Stephanie Ganis**

ADCO

Level 2, 7-9 West Street

NORTH SYDNEY NSW 2060

Dear Stephanie

**Reference: New Liverpool Public School - Modification Response to Transport Submissions – LCC additional queries**

**Background**

A Modification Application has been submitted for the New Liverpool Public School (NLPS) project as it relates to SSD-10391. The modifications involve changes to the site layout including the relocation of the car park, bicycle parking, loading area and pick-up/ drop-off zone to the western side of the site which would be accessed via a new vehicle crossover on Lachlan Street, in lieu of providing these facilities on Burnside Drive. The school would also have a reduced student capacity at opening of around 580 students (including 40 support unit students, and 40 pre-school students) to reflect proposed staging of the development, while maximum capacity of the school is planned to be maintained at 1,280 students.

Stantec Australia Pty Ltd prepared a Transport Assessment Addendum<sup>1</sup> to accompany the Modification Application.

Subsequent to the Modification Application being lodged, comments were received from Transport for NSW, Liverpool City Council (Council) and NSW Health South Western Sydney Local Health District (NSW Health) in relation to traffic and transport aspects. A letter was prepared in February 2023 providing a response to submissions in this regard.

Additional queries have been received from Liverpool City Council on 24 March 2023, these queries have been reproduced in this letter together with responses.

**Liverpool City Council additional comments**

*Comment 1:*

*Traffic Generation*

*Council notes that the estimated traffic generation potential in Stantec's Addendum Transport Assessment report is likely to be underestimated, based on TfNSW latest traffic generation surveys for schools. It is noted that the estimate was from the original*

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<sup>1</sup> New Liverpool Public School - Revised Car Park, Loading and Pick-Up/ Drop-Off Arrangements – Modification Transport Assessment Addendum prepared by Stantec Australia Pty Ltd dated 20 October 2022

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*traffic assessment report. It is recommended that a revised traffic sensitive modelling test be carried out and the results are to be provided for the worst case scenario.*

**Response:** As previously outlined the modification does not seek to change any student or staff numbers from that already endorsed and approved.

The Modification Application only seeks to revise the proposed site layout, with no change to the ultimate student or staffing numbers from the current approval. As such, no change in traffic generation is expected from that estimated and assessed as part of the current approval.

It is noted that Council refers to TfNSW latest traffic generation surveys for schools that is more recent than the SSDA transport assessment prepared in 2021, Stantec are unaware of any new traffic generation rates endorsed by TfNSW for use and note that the traffic generation process focuses on the primary school catchment area and expected mode share targets for the NLPS as approved. If Council can provide this new TfNSW traffic generation information we would be happy to review for use in future projects.

*Comment 2:*

*Revised Access Arrangements*

*Council is concerned about the proposed revised access on Lachlan Street due to its proximity to the existing roundabout of Hart Street, Burnside Drive and Lachlan Street, particularly with cumulative transport impacts of other development and projects in the precinct. Hence, a revised network SIDRA model is required to demonstrate an acceptable Level of Service (LoS) for both stage 1 & stage 2 developments. Council is not in a position to support the proposed revised access off Lachlan Street until the revised SIDRA network model for the surrounding area is submitted and demonstrated to Council's satisfaction.*

*Council notes that the South West Local Health District has engaged Stantec to carry out the revised SIDRA network model for the subject precinct (Year 2023). School Infrastructure NSW is to develop future network modelling scenario (2033) to include the proposed 1200 students. A meeting is to be organised with TfNSW and Council to discuss the modelling requirements.*

*In addition, Council recommends that School Infrastructure work with the South West Health District for vehicular access to be provided off Burnside Drive, to minimise traffic impacts on the narrow road frontage along Lachlan Street fronting the development site. Such an arrangement would address the serious concern Council have with the proposed modification.*

**Response:** The reason for this modification is due to School Infrastructure not being able to obtain access from Burnside Drive, as it is a private road. As outlined in the modification assessment revised SIDRA modelling has been undertaken. The SIDRA modelling prepared, reviewed and approved as part of the SSDA was updated to take into consideration the revised traffic distribution from Burnside Drive to the new access on Lachlan Street. The SIDRA modelling results were included in the Modification assessment and SIDRA model files have been provided and are included again with this response. As outlined in the Modification Assessment the modelling includes both the

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scenarios of year of opening (2023) and at full capacity of the school (2033). To understand the background to the modelling and cumulative assessment (already approved) the modelling should be reviewed with reference to Section 5.3 of the Modification Transport Assessment and the approved SSDA Transport Report.

Comment 3:

*Car parking provisions*

*It is noted that only 33 on-site car parking spaces will be provided to the new school for 98 staff. Based on the existing school operations within the Liverpool LGA, the proposed car parking provision is likely to be insufficient. Additionally, there is no car parking provision for parents. Hence, a car parking management plan is required to identify possible additional car parking locations.*

Response: This provision of 33 spaces has been calculated based on a strategic assessment to reduce reliance on private car trips and encouragement of active and public transport for school staff. Being a new school in a city centre location close to good public transport provides a unique opportunity to actively seek a high public transport travel mode for staff. Staff will be aware before commencing with the school that this is the approach. This was discussed and supported in Transport Working Group meetings. The nominated provision of 33 on-site car spaces represents an expected mode share of 34 per cent and is considered an achievable target. This rate of provision will send clear expectations to staff that driving to school is to be an exception rather than the norm, noting several proposed car spaces will be allocated to car-poolers only and the remaining bays will be allocated to those with accessibility requirements, senior staff, or staff with limited public transport/ active transport options. This is supported by a School Travel Plan that was included with the SSDA.

School Infrastructure do not provide parking for public or visitors at any of their schools. Council could review current on-street parking adjacent to the school and implement time-restricted parking on Lachlan Street to assist in providing more available on street parking should they be concerned.

Comment 4:

*Pick up / drop off parking zone*

*Council notes that 25 pick-up and drop-off spaces are likely to be insufficient for the proposed school. It is noted that the consent conditions A13/A14 require a monitoring report to be prepared 12-24 months after the opening year. As such, Council would like the proponent to identify any potential measures or suitable pick-up/drop off areas which can be implemented if the 25 spaces are insufficient for the school operation.*

Response: The A13/A14 conditions were requested to ensure the drop off and pick up zone did not impact the southern roundabout on Burnside Drive and not impede the movement of ambulances and emergency vehicles accessing Liverpool Hospital. The drop off and pick up zone is no longer located on Burnside Drive and as such the southern roundabout on Burnside Drive will not be impacted, therefore conditions A13 and A14 are no longer required. However, a School Travel Plan has been prepared for the NLPS with future

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mode share targets in place to increase walking to school and reduce private car trips, the targets are noted as ambitious however the NLPS catchment is relatively small with higher residential density meaning that most students are within a reasonable walking distance to school. This will assist in reducing drop off and pick up activity. Engaging a School Travel Coordinator as outlined in the School Travel Plan will be fundamental to enabling a successful program regarding the uptake of active travel to and from school.

*Comment 5:*

*Pedestrian Crossing*

*Council raises safety concerns about pedestrian movements and crossings along Lachlan Street. Should a pedestrian fence be required along Lachlan Street, it is recommended that a road safety audit report is to be carried out to identify the existing pedestrian hazards, future pedestrian desire lines and potential conflicts between pedestrian and traffic movements along Lachlan Street as a result of the revised access arrangement.*

**Response:** As outlined in the Response to Submissions letter prepared in February 2023 we do not expect Lachlan Street between the proposed new school crossing and the Hart Street roundabout to a pedestrian desire line. Anyone looking to cross Lachlan Street would likely either cross at the pedestrian refuge on the eastern side of the Hart Street roundabout to continue north to Warwick Farm Station, or cross at the proposed school crossing to the east of the site between Drummond Street and Lachlan Lane. Based on this we do not see the need for a Road Safety Audit to be undertaken.

I trust this letter provides the necessary information. Should you have any questions or require any further information, please do not hesitate to contact me on (02) 8448 1800.

Yours sincerely

**STANTEC AUSTRALIA PTY LTD**



**Karen McNatty**  
Senior Principal Transportation Engineer