

2 February 2017

Our Reference: SYD16/00656/03 (A15938753)
DP&E Ref: SSD 7664

Team Leader
Industry Assessments
Department of Planning and Environment
GPO Box 39
SYDNEY NSW 2001

Attention: Necola Chisholm

Dear Mr Bakopanos,

**PROPOSED HORSLEY DRIVE BUSINESS PARK – STAGE 2
COWPASTURE ROAD, WETHERILL PARK**

Reference is made to the Department of Planning and Environment (DPE) letter dated 12 December 2016, regarding the abovementioned application which was referred to Roads and Maritime Services (Roads and Maritime) for comment.

Roads and Maritime has reviewed the submitted documentation and does not support the proposed development as it would have unacceptable impact on the State road network. In this regard, Roads and Maritime provides the following comments for your consideration:

COMMENTS ON SIDRA MODELLING AND TRAFFIC IMPACT STATEMENT

1. It is noted from the submitted Traffic Impact Assessment provided by asongroup that the existing roundabout intersection of The Horsley Drive/Cowpasture Road operates at Level of Service (LoS) F with Average Vehicle Delay (AVD) 457 in PM peak hour for the Existing baseline scenario. It is further noted that the report recommends an interim intersection improvement to include 2 lanes from The Horsley Drive North to Cowpasture Road South through linemarking change on The Horsley Drive North.

Please be advised that Roads and Maritime has met with the representatives of the applicant including the traffic consultant (asongroup) on 2016/10/19 regarding the subject development and proposed intersection improvements. Roads and Maritime advised that the proposed changes to the roundabout intersection is not supported on road safety grounds.

In this regard, Roads and Maritime requests that the Sidra modelling to be amended for this intersection (for all scenarios) reflecting the existing arrangement and be submitted to Roads and Maritime for review and assessment.

Roads and Maritime Services

2. The modelling shows that the two key intersections below have been modelled in isolation:

- Roundabout intersection of The Horsley Drive/Cowpasture Road
- Signalised intersection of The Horsley Drive/Cowpasture Road

Roads and Maritime requests that as the above intersections are closely spaced, they are to be modelled in SIDRA NETWORK to consider the effect of back of queue at the intersections.

3. Roads and Maritime advised the traffic consultant at the meeting held on 2016/10/19 to model/assess the intersection of Chandos Road/Ferrers Road as part of the application. It is noted that this intersection has not been assessed which should be modelled and submitted to Roads and Maritime for review.
4. It is noted that the SIDRA outputs summarised in the tables within the Traffic Impact Assessment do not match with the output summary in the SIDRA modelling which needs to be amended.
5. The adopted cycle times and intersection layout (including lane lengths) for future signalised intersections along The Horsley Drive (as upgraded) should be verified with Roads and Maritime. Similarly, the adopted cycle time for existing signalised intersections along The Horsley Drive should be verified with Roads and Maritime. The proponent is to contact the Roads and Maritime to verify the above parameters prior to amending the Sidra modelling.
6. Roads and Maritime provides its detailed comments on the submitted Sidra modelling at the attached document. The Sidra modelling should be amended reflecting the comments and clarification/justification should be provided where needed.
7. The Traffic Impact Assessment and intersection analysis should include the cumulative impact of the subject development and other known major developments in the area including the recently proposed function centre to the west of the roundabout intersection of The Horsley Drive/Cowpasture Road.

All intersection analysis should be amended reflecting the above requirement.

Furthermore, Roads and Maritime provides the following advisory comments with regard to the submitted application:

8. As Cowpasture Road at the site frontage is a regional road and there is an existing crest to the north of the site, Roads and Maritime recommends the access to the site via Trivet Street on road safety and network efficiency grounds.
9. Referring to the drawing no. Co11492.11- Sk01 - There is a proposed TB line on the proposed access road at its intersection with Cowpasture Road with no "Give Way" sign. The Give Way control is to be confirmed/agreed with Council and the line marking and signage associated with the "Give Way" control is to be installed as per the RMS Delineation Manual.
10. The proposed combined vehicle ingress/egress to the proposed Lot 4 is located in close proximity to the proposed Access Road and Cowpasture Road. The truck turning path shows that there is no sufficient space provided for two trucks to pass each other safely at the same time. Concern is raised when a truck is exiting from the combined driveway for Lot 4, another truck would be restricted to enter the site from Cowpasture Road. This potentially results in the truck to be required to reverse back onto Cowpasture Road which is a regional road causing safety issues. The location of the combined vehicle crossing to Lot 4 should be located away

from the Cowpasture Road and sufficient clearance should be provided between the largest vehicles entering and exiting safely.

11. The swept path analysis provided for manoeuvring within the site shows the similar issues. Roads and Maritime recommends that sufficient manoeuvring space and clearance to be provided for heavy vehicle when entering and exiting the proposed driveways within the site.

The application is to be modified showing the abovementioned requirements are met and submitted to Roads and Maritime for review prior to the determination of the application. Upon receipt of the abovementioned information, Roads and Maritime will undertake an assessment and provide a response accordingly.

Any inquiries in relation to this application can be directed to Zhaleh Alamouti on 8849 2331 or by email at development.sydney@rms.nsw.gov.au

Yours sincerely



Rachel Cumming
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Network Sydney West Precinct