

9 August 2024

TfNSW Reference: SYD24/00262/02
DPHI Reference: SSSA-63741210



Ms. Kirsten Fishburn
Secretary
Department of Planning, Housing, and Infrastructure
Locked Bag 5022
Parramatta NSW 2124

Attention: Shaun Williams

**ADVICE ON ENVIRONMENTAL IMPACT STATEMENT (EIS) FOR FUTURE DATA CENTRE
16 JOHNSTON CRESCENT, HORSLEY PARK**

Dear Ms Fishburn,

Thank you for providing Transport for NSW (**TfNSW**) an opportunity to comment on the Environmental Impact Statement (**EIS**) for the proposed data centre facility at 16 Johnston Crescent, Horsley Park.

TfNSW has reviewed the submitted EIS and provides the Department advisory comments in **TAB A** for consideration.

Any relevant queries regarding the above matter, please contact Brett Morrison, Land Use Planner, via email at development.sydney@transport.nsw.gov.au.

Yours sincerely

A handwritten signature in black ink, appearing to read "B. Pegg".

Brendan Pegg
Senior Manager Land Use Assessment Central and Western
Planning and Programs, Greater Sydney Division

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TAB A – TfNSW advisory comments

Development intersection assessment and trip generation

Comment:

The rates adopted have been superseded by TfNSW studies of other development generations undertaken in the western area. As such, TfNSW has adopted the following rates to be used for large warehouse developments in Western Sydney and are to be used for this assessment where applicable.

Rate	TfNSW adopted rates peak hour
Distribution Centre AM	0.45
Distribution Centre PM	0.43
Manufacturing AM	0.45
Manufacturing PM	0.23
Warehousing AM	0.24
Warehousing PM	0.23

Recommendation:

As part of the Response to Submissions (RtS) the Applicant should utilise the above TfNSW adopted rates in its assessment and resubmit for TfNSW review and comment.

SIDRA modelling

Comment:

The Applicant has used several varying user cycle lengths for modelling intersections with no evidence of model calibration.

The calibration of the base network model needs to be undertaken, and the methodology and difference between observed and calculated data is to be tabulated in a supplementary report. This is to ensure that all intersections are being modelled accurately. The calibration method is to follow that described in the SIDRA User Guide Section 2.6.2 – 2.6.4 in conjunction with TfNSW’s Guide to Traffic Modelling.’

All configurations for the base model should be left in place for future scenario modelling. If ‘**User Given Phase Times**’ have been entered manually then the model should be changed to ‘**Practical Cycle Time**’, but cannot be used for future scenarios. However, if the site is to be coordinated with other signal sites, then specify a ‘**User Given Cycle Time**’. The nominal cycle length is 140 seconds and the analysis undertaken as a network model.

Recommendation:

The model is to be submitted to TfNSW for review.

As part of the Response to Submissions (RtS) the Applicant should address the above SIDRA modelling comments and re-undertake the modelling. Once completed, an electronic copy of the SIDRA modelling should be submitted to TfNSW for review and verification as part of the RtS.

Southern Link Road corridor

Comment:

TfNSW advises the Department and the Applicant that the subject property is within an area identified for a Southern Link Road (SLR) corridor, a future east-west link between Mamre Road and Wallgrove Road. The investigations completed to date indicate that part of the subject land may be required if the preferred alignment is adopted.

Recommendation:

If the Department or the Applicant has further about the SLR corridor and investigations being undertaken, please contact TfNSW representative Mainur Rahman, Asset Development Leader, via email at mainur.rahman@transport.nsw.gov.au or via mobile 0447 827 012.

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Johnston Crescent civil works

Comment:

Council, as the relevant Road Authority, should be satisfied with the proposed development's vehicle access arrangements, excavation, and any civil works on the Johnston Crescent Road frontage.

Recommendation:

TfNSW recommends that all the development's civil works, excavation, and access arrangements on Johnston Crescent Road be undertaken to the satisfaction of Council as the relevant Roads Authority.