

The General Manager
Shoalhaven City Council
PO Box 42
Nowra NSW 2541

Attention: John Britton

SHOALHAVEN CITY COUNCIL – PROJECT APPLICATION MP 06_0025 – THE WOOL ROAD & NAVAL COLLEGE ROAD, VINCENTIA – VINCENTIA DISTRICT TOWN CENTRE

Dear Sir

Reference is made to the recent meetings where both Council and Stocklands have met separately with Roads and Maritime Services (RMS) regarding road infrastructure requirements for the subject development proposal. These meetings were held to discuss Stocklands request to replace an existing condition of consent which requires construction of a pedestrian underpass on Naval College Road (immediately north of the intersection with the Wool Road) with mid-block pedestrian signals on Naval College Road.

RMS has considered the request and provides the following comments for your consideration:

- RMS notes that the Wool Road and Naval College Road are regional unclassified roads and are, therefore, managed by Council.
- RMS considers that the proposed mid-block traffic signals do not address the pedestrian desire lines on the northern side of the Wool Road across Naval College Road. Under the proposed intersection design, RMS considers that people are unlikely to cross the Wool Road twice to use the existing underpass on the eastern side to safely cross Naval College Road if they are headed to the Leisure Centre or another destination to the north.
- Signalising the intersection of Naval College Road and the Wool Road would address this desire line and remove the need for mid-block traffic signals. RMS notes the requirement for the proponents to upgrade the intersection of the Wool Road and Naval College Road to a two lane roundabout. RMS also notes the requirements for the proponents to construct two signalised intersections on the Wool Road northeast of Naval College Road and for a separate developer to

Roads & Maritime Services

construct a further signalised intersection at the proposed Anglican College on the south-west corner of the intersection the Wool Road and Naval College Road.

- RMS is concerned that whilst these intersection treatments may operate well in isolation, they may not operate well as a group of intersections. In this regard, whilst RMS recognises that extensive modelling was undertaken using SIDRA to verify the suitability of the arrangements, RMS considers that network modelling is the most appropriate way to consider signalised and roundabout controlled facilities in such close proximity to one another.
- On this basis, RMS would support further investigation to explore the provision of traffic signals at the intersection of the Wool Road and Naval College Road in lieu of the requirements to upgrade this junction and provide a pedestrian crossing facility across the northern leg on Naval College Road. RMS would recommend modelling the surrounding network using Paramics, to include coordination of this intersection with surrounding traffic signals, from the proposed Anglican School to the Stocklands Development and Vincentia High School to the north-east on the Wool Road. RMS considers that any further modelling should be based on Council's projected traffic volumes.
- RMS notes that developer funded signalised junctions generally cost significantly less than roundabouts on State roads, however RMS recognises that this is not always the case and it is highly dependant on the extent of civil works required.

However, whilst RMS has concerns that the proposed intersection upgrades may not be the most appropriate treatments, RMS recognises that the traffic management arrangements, mid-block signals aside, have been finalised for some time, conditioned on developers through development consents and progressed through concept and detailed design. RMS also recognises that both the Wool Road and Naval College Road are unclassified roads and in this regard, any future traffic efficiency issues would be a matter for Council.

On this basis, RMS recognises that it is up to Council to decide if they are willing to reconsider the proposed network arrangements and if they are, it is up to the proponents to consider whether or not they wish to undertake network modelling.

If Council is not willing to reconsider the proposed network arrangements or the proponents are not willing to undertake network modelling to explore the signalisation of the Wool Road and Naval College Road through PARAMICS modelling, RMS accepts that a two lane roundabout will be provided at the intersection of the Wool Road and Naval College Road. In this case, RMS would not object to mid-block traffic signals provided Council is satisfied that the proposed arrangements will adequately address pedestrian desire lines. The mid-block signals would need to be located at Council's preferred location approximately 50m to the north of the developer's proposed location. A formal modification to the existing consent would need to be submitted. However, RMS strongly encourages Council and the proponents to consider alternative options.

If you have any questions relating to the above matters please contact Andrea Boes on 4221 2771.

In regards to the delivery or any particular set of traffic signals, it should be noted that traffic signals are managed under Works Authorisation Deeds (WAD), a formal agreement between RMS and the proponent. The WAD process includes RMS' assessment and acceptance of the design for each set of traffic signal design. RMS notes that no WAD's have been entered into for any of the proposed traffic signals in this precinct. RMS' preference would be to deliver as many sites as possible under one WAD to streamline the process for both RMS and the proponents. To progress a WAD, please complete the attached form and forward it and a copy of the relevant consent to RMS by email (via development.southern@rms.nsw.gov.au).

Yours faithfully



Brian Lefoe
Road Safety and Traffic Manager
Network Management, Southern Region

8/6/12

CC

Department of Planning and Infrastructure (via email to information@planning.nsw.gov.au)

Stockland (via email to michael.braithwaite@stockland.com.au)

Woolworths (via email to PHall@woolworths.com.au)

To:	Ali Sawan, Land Use Project Engineer	From	
Fax	(02) 4221 2777		
Email	Ali.Sawan@ rms.nsw.gov.au		
Project Number:			
Project Name:			

Works Authorisation Deed

DEVELOPER DETAILS

1. Name of Developer: _____

2. ABN: _____ **ACN:** _____

3. Address (Street Address): _____

4. Authorised Representative: _____

5. Company _____

6. Address: _____

7. Telephone: _____

8. Fax: _____

9. Mobile: _____

10. E-mail: _____

Estimate of cost and timeframes for work in road reserve			
	Amount (\$)	Start date	Completion date
Roadworks			
Bridgeworks			
Traffic Signals			
Total			

SIGNED _____ **DATE** _____

NAME (PRINT) _____