Appendix B  Suggested design changes included with private submission
Proposal of connectivity and network enhancements around proposed Northern Beaches Hospital

1. Proposal of connectivity and network enhancements around proposed Northern Beaches Hospital

We have provided one of options of connectivity and network enhancements around proposed Northern Beaches Hospital. We believe the proposal is the best solution. We estimate it only costs $270 million dollars for the proposal package. The proposal will reduce congestion significantly; on average it will save 30 minutes time per trip for all motorists at pick time. People will spent almost zero waiting time at traffic lights around the hospital. It saves huge amount burning petrol and the valuable people’s time; improves air quality and reduces CO2. It is also very easy to drive at intersection for all motorists: We are focusing and consider local residents, motorists, and environment impacts. We believe this is the best and long term solution.

Our proposal is enhancements and upgrade six intersections around the main roads. The six intersections are Warringah Road and Wakehurst Parkway, Frenchs Forest Road and Wakehurst Parkway, Warringah Road and Forest Way, Forest Way and Naree Road, Warringah Road and Allambie Road, Frenchs Forest and Allambie Road. We have provided the briefly engineering designs and will provide the detail design and the methods to solve the traffic issues during building time.

Our proposal will not request to remove the petrol station at corner of Hilmer Street and the shops or residents around the area. We will provide the no-traffic solution for people using Hilmer Street at the detail design stage.
2. Intersection at Warringah Road and Wakehurst Parkway

We have designed an intersection with no traffic lights with some entrances to and exits from hospital. It is easy to drive, left lane turns left, right lane turns right and middle lane goes straight most of the time. People can drive four directions freely without waiting lights. Refer to the simple model below and Fig.1 We will adjust the entrances to and exits from hospital as the hospital access design has been finalised, Green lanes turn left, yellow lanes turn right and pink lanes go straight. The pink lanes can be extended to multiple-lanes if road is wide enough.

Fig.1
3. Intersection at Frenchs Forest Road and Wakehurst Parkway

Four directions at the intersection go left, right and straight freely without traffic lights. It is easy to drive, green lanes turn left, yellow lanes turn right and pink lanes go straight. The pink lanes can be extended to multiple-lanes if road is wide enough. Refer to Fig.2
4. Intersection at Warringah Road and Forest Way

Three sides of the intersection turn left or right freely without traffic lights. Green lanes turn left, yellow lanes turn right or straight. The yellow lanes can be extended to multiple-lanes if road is wide enough. Refer to Fig 3. It is almost two lays as we have got enough space cross.

Fig.3
5. Intersection at Forest Way and Naree Road

Three sides of the intersection turn left or right freely without traffic lights. Green lanes turn left, yellow lanes turn right or straight. The yellow lanes can be extended to multiple-lanes if road is wide enough. Refer to Fig 3. Due to space limitation we have to arise half lay and sink another half for the cross. The road to Frenchs Forest Shopping Centre can be consider at detail design stage. Refer to Fig 4.

6. Intersection at Warringah Road and Allambie Road

It will be similar to the proposal for the intersection at Warringah Road and Wakehurst Parkway.