



Traffic and Parking Report for New Mental Health Facilities Hornsby Ku-ring-gai Hospital

for Health Infrastructure

June 2011v5

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TTW NSW Pty Ltd

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1 INTRODUCTION

1.1 Background

The proposed project is to provide access to mental health services at Hornsby Hospital for the Northern Sydney Local Health District (NSLHD) residents.

The project involves a purpose built 12 bed Child and Adolescent Mental Health (CAMHS) inpatient unit and a 35 bed Adult Mental Health (AMHU) in-patient unit at Hornsby Hospital.

The project is planned to be located in the North West Precinct of Hornsby Hospital on the corner of Palmerston Road and Lowe Road. The proposed development requires the demolition of existing Buildings 6 and the construction of a two storey building which will house the new Mental Health Unit.

Hornsby Ku-Ring-Gai Hospital (HKH) was identified as the preferred location for the area-wide CAMHS Inpatient service. This was due to its central location and the redevelopment of the HKH site in 2005 to provide a dedicated Mental Health precinct on the site. through the recently constructed MHICU facility and the proposed replacement of the existing Adult Acute facility on the site.

The HKH site is located approximately one kilometre to the east of Hornsby CBD. It occupies an area of about 6.4 hectares and provides a range of Level 4 health care services.

The proposal is to develop sections of the HKH campus to accommodate the new facilities. The proposed concept options are detailed as part of the Master Plan for the site.

The purpose of this report is to provide an assessment of traffic and parking requirements for the proposed developments within the HKH campus. This is an updated report which originally was issued in February 2009 and subsequently in December 2010.

1.2 The Study Area

The Study Area is shown in Figure 1.1 and comprises:

- The proposed Mental Health grounds and car parking areas,
- Palmerston and Lowe Roads being the streets giving the major access to the site,
- The north western corner of HKH campus which has been identified as the Mental Health Services Zone.

1.3 Scope of the Report

The report is divided into four sections, following the introduction.

- Section 2; Existing Conditions.
- Section 3; Development Proposal
- Section 4; Conclusions



Figure 1.1

Site Location

2 EXISTING CONDITIONS

2.1 Site Characteristics

The proposed redevelopment site occupies an area south of Lowe Road and east of Palmerston Road. The site is located at the northern end of the HKH campus and is accessed via the entrance points known as Gates 3 and 4.

Surveys of HKH staff, outpatients and visitors on the mode of travel to and from the HKH campus have revealed that about 73% of staff drive cars while 11% walk and over 11% use the bus or train as their mode of travel. About 92% of outpatients and visitors use a car as their mode of travel with about 6% using public transport as their means of transport (Draft Report Hornsby Ku-ring-gai Hospital Traffic Report; TTW, 2003-2005).

APPROACH ROUTES

The major approach routes to the site are from Palmerston and Derby Roads to Lowe Road.

Palmerston Road is a four lane undivided carriageway with a parking lane along each side. A section of the road is one-way (north direction) between Burdett Street and Northcote Road.

Lowe Road, forms the northern boundary of the site has a two travel lanes with parking on each side. Angle parking is available on its northern side.

Derby Road has angle parking on its western side and has a carriageway with two travel lanes and parking on each side.

Burdett Street is treated with a traffic calming scheme and provides two travel lanes with angle parking.

The intersections of Burdett Street with Palmerston Road and Derby Street are controlled with stop signs, giving priority to Palmerston Road and Burdett Street, respectively.

The intersection of Palmerston Road and Northcote Road is T-junction with medians in Palmerston Road giving priority to movement to/from Northcote Road.

A pedestrian crossing is located in Palmerston Road near the entrance to the Hospital. Bus zones are located in Palmerston and Lowe Roads near the Hospital entrances.

Direction signposting to the Hospital has been provided by the Roads and Traffic Authority (RTA) at Edgeworth David Avenue and Pacific Highway to direct visitors to the Hospital site.

2.2 Existing Peak Hour Traffic Volumes

Traffic volume counts for the intersection of Lowe Road with Derby and Palmerston Roads were carried out during a peak hour period on February 2011. The findings showed a lower traffic volume along these routes in comparison to the results from September 2005 and March 2009 surveys.

The results of the survey indicated that Lowe Road experiences a peak traffic volume of 112 vehicles per hour (vph) (in comparison to 210 vph in 2005) while Derby and Palmerston Roads (at south of Lowe Road) having peak traffic volumes of 109 vph and 206 vph respectively (note: a higher traffic volume was observed on March 2005 i.e. 130 vph and 215 vph while 2009 data indicated lower traffic volumes in comparison to 2005 data).

Table 2.1Peak Hourly Traffic Volumes (vph) – AM and (PM)

| Street | Eeastbound/NB | Westbound/SB | Total |
|---------------|---------------|--------------|-----------|
| Lower Rd | 54 (73) | 53 (39) | 106 (112) |
| Palmerston Rd | 146 (42) | 60 (73) | 206 (115) |
| Derby Road | 42 (29) | 67 (58) | 109 (87) |
| Northcote Rd | 102 (24) | 170 (200) | 272 (224) |

Key: AM (PM)

2.3 Intersection Operation

The adequacy of the capacity of an intersection is judged by whether it can physically and operationally cater for the traffic using it.

The performances of the intersections have been assessed using the intersection modelling software. The model provides parameters of the performance of an intersection including the degree of saturation (DoS) and the average delay per vehicle.

Satisfactory operation of an intersection would normally continue up to 42 seconds as Average Delay/Vehicle. At this Level of Service (LoS) operating speeds are still reasonable and acceptable delays are experienced.

The recommended criteria for evaluating capacity of intersections are shown in **Table 2.2**.

| Level of Service | Degree of Saturation (DoS) | Ave. Delay/ Veh. (Secs) |
|---|-------------------------------|----------------------------|
| A/B good operation | less than 0.80 | Less than 28 |
| C satisfactory | 0.80 to 0.85 | 29-42 |
| D poor but manageable | 0.85 to 0.90 | 43-56 |
| E at capacity | 0.90 to 1.0 | 57-70 |
| F unsatisfactory, extra capacity required | Over 1.0 | Over 70 |

 Table 2.2
 Criteria for Evaluating Capacity of Intersection

Accordingly, an assessment of intersections performances were carried out using a traffic modelling software and the existing intersection layouts with consideration to the morning and afternoon commuter peak hour traffic volumes. The results of the assessment revealed that the all intersections i.e. Palmerston Road with Northcote Road and Derby Road with Lowe Road are operating at a good level of service during the morning and afternoon commuter peak hours on a weekday. The average delay for all vehicles at these intersections is well below the 28 seconds per vehicle (i.e. very good level of service), indicating an ample capacity at these intersections. Since the allowable maximum average delay for vehicles is about 70 seconds per vehicle.

| | AM and PM Comm | uter Peak Ho | our Traffic | on a Weekday |
|--|--|--------------------------------|----------------------------|--|
| Intersection | Traffic Controls | Degree of Saturation DoS | Level of Service LoS | Average Delay/Veh Sec/Veh (approach)* |
| AM PEAK HOUR Palmerston Rd & Northcote Lowe Rd & Derby Rd PM PEAK HOUR Palmerston Rd & Northcote Lowe Rd & Derby Rd | T- Junction T- Junction T- Junction T- Junction | 0.14 0.04 0.10 0.05 | A A A | 4.9 (6.0-2R) 5.0 (5.7-1R) 5.2 (6.3-2R) 5.2 (5.7-2R) |

Performance of Intersections

Highest delay on a major approach

The results of the assessment revealed that the above intersections are operating at a good level of service during the morning and afternoon commuter peak hours on a weekday. The average delay for all vehicles at these intersections is well below the reasonable maximum of 70 seconds per vehicle.

2.4 **Parking Supply**

An inventory of the parking spaces existing within the Study Area (related to the proposed redevelopment) has been undertaken, the results being summarised in Table 2.4.

| Table 2.4 Farking Supply in the Study Area (developing | |
|---|--------------|
| CARPARK AREA | No of Spaces |
| | |
| Area A (near Maternity Unit)) | 70 |
| Area B (south of Maternity Unit) | 25 |
| Sub-Total | 95 |
| On Street Parking - Lowe Road (bet Palmerston & Derby) | 79 |
| On Street Parking – Palmerston Road (north of Northcote Rd) | 20 |
| TOTAL | 194 |

Table 2.4 Parking Supply in the Study Area (development sites only)

Note: 22 parking spaces are available off Gate 4 next to Bldgs. 6 and 51

The above figures for on street represent only parking areas that are within close walking distance to the proposed redevelopment site. It should be noted that there are additional on street parking spaces available in streets surroundings the Hospital campus.

Table 2.3

Use of Parking Spaces

Currently, the majority of parking areas within the above area are being used by the Hospital's staff and visitors. A utility rate of 100% is observed within the Mental Health Zone's ground between 10 AM to 2.30 PM during a weekday.

An observation of on street parking showed that Palmerston and Lowe Roads are being well utilised with a utility rate of over 80%.

| Table 2.5 | | | | | | | | | | | | | |
|--------------------|----------|-----|------|------|------|------|------|--|--|--|--|--|--|
| Area | Capacity | 900 | 1000 | 1200 | 1400 | 1530 | 1700 | | | | | | |
| Area A | 70 | 69 | 83 | 80 | 83 | 62 | 35 | | | | | | |
| Area B | 25 | 20 | 21 | 20 | 17 | 20 | 18 | | | | | | |
| Sub Total | 95 | 89 | 104 | 100 | 100 | 82 | 53 | | | | | | |
| Palmerston | 20 | 20 | 20 | 20 | 18 | 18 | 8 | | | | | | |
| Lowe | 79 | 78 | 79 | 77 | 79 | 73 | 37 | | | | | | |
| Sub Total (street) | 119 | 98 | 119 | 97 | 97 | 91 | 45 | | | | | | |
| Total | 194 | 187 | 223 | 197 | 197 | 173 | 98 | | | | | | |

Survey Date: Wednesday 9.2.2011

2.5 Public Transport

Bus services (Route 574 and Route 575) are provided to the site by Shorelink Bus Company. Bus Route 575 provides a direct service between Hornsby Train Station and the HKH between the hours of 6.00 am and 9.00 pm, weekday (about every half an hour or 15 to 20 minutes during peak hours).

A number of bus routes provide services along the Pacific Highway within walking distance of the Hospital. Hornsby Railway Station is located about 1.4 km from the Hospital.



Figure 2

Bus Routes

3 PROPOSAL CONCEPT PLAN

3.1 Future Population

The redevelopment site includes an in-patient Unit of 12 beds with a CAMHS Community service and a 35 bed Acute Adult In-patient Mental Health Unit.

In total the development has the potential to offer an additional 98 jobs to the Hornsby Ku-ring-gai site. Of these additional staff, it is expected that there will be a maximum of approximately 65 employees at the hospital with effective attendance of 54 staff at any one time. Appendix A provides the existing and future staff numbers for the site.

Considering the shift working hours and staff roster arrangements and 73% drive car as mode of travel among staff, some **40** additional staff would be present at the site during main working hours.

Due to the function of the proposed facilities, only a limited number of visitors to the site would be expected.

3.2 Development Proposal

The proposed works involve the extension and refurbishment of designated sites with the following decanting strategy:

Utilise buildings 2 (previous Emergency Department, 3 (previous Paediatrics),
 (previous cafeteria), 38 (previous sewing room) and 22 (Workshop/Storage area) for permanent relocations

2. Utilise the existing Audiology House for on-call accommodation, requiring a minor extension to the rear.

The proposal includes the construction of a new two storey Inpatient Mental Health facilities to house:

- > A 35 bed Adult Acute Mental Health Unit, replacing the existing 25 bed Lindsay Madew Unit, currently on the eastern side of the site. This existing building is now dysfunctional and not large enough to accommodate the demand. The building is no longer considered appropriate to contemporary medical practice;
- > A 12 bed Child and Adolescence Mental Health Services (CAMHS);
- Staff office and support facilities for both of the units will be co-located over both floors.
- Staff office and support facilities for the CAMHS Community Team building which will be located on the first floor and integrated with the inpatient Unit. The CAMHS Community Service will relocate the existing Hornsby Sector team into new accommodation and will consolidate a number of staff who are currently located at Hillview in Turramurra; and
- Provision of 155 car parking spaces to meet the required demand for the site,
- Development of associated landscaping and signage





Development Proposal

3.3 Parking

The proposal requires a maximum of **50** additional parking spaces as part of the new facilities. This includes 40 spaces for staff and 10 spaces for visitors including deliveries or patient transfer and occasional staff/other use. The parking demand for staff is based on 73% of car use (73% x 54 new staff). The provision for visitors' parking is based on activity of similar facilities. Patients generally are visited by friends or relatives during afterhours with an average stay of 1 hour. Due to the nature of the Unit, a very low level of visitors is expected. The parking requirement for visitors, deliveries and patient transfers amounts to a maximum of 5 spaces. Therefore, some 5 spaces are available for occasional staff or other uses.

Therefore, the required car parking supply/demand for the site will be to replace the existing 105 spaces on site plus 50 additional car parking spaces as part of the additional demand for the development which totals to **155** spaces.

The proposed parking strategy will involve the following car parking provision (155 spaces total) for the site:

- 1. 115 car parking spaces at MHU site including 26 VMO spaces
- 2. 25 car parking spaces at rear of buildings 12 and 19
- 3. 9 car spaces on the revised MICHU entry road
- Creation of a net 4 additional spaces through revised line marking to the immediate north of building 2 (space for ambulance unloading (1 only) to be retained)
- 5. Creation of 2 spaces at the rear of building 31.

As the above strategy indicates an additional of some **50** spaces will be provided as part of the proposed parking measures to meet the required demand for the proposed development. Considering that not all the employees will be working at the same time and all the mental health patients will be transported to the site, the proposed parking provision will be appropriate for the proposed developments. The proposed parking supply consists of 155 spaces around the new buildings and within the Hospital's Campus. Parking for disabled are also provided at the main entry to the new buildings as shown in the architectural drawings.

3.4 Access

The main pedestrian access routes to the site will be from Palmerston, Lowe and Derby Roads. The main pedestrian access to the site will be via Lowe Road.

Vehicular access points will be maintained via Palmerston Road while access for service vehicles will be off Lowe Road.

The site redevelopment will be designed on the basis of best practice and current guidelines, catering for disabled access and parents with prams.

The main vehicular access to the Hospital campus will be from the following points:

- Palmerston Road: Access to emergency, to the new carpark and to the pick up and set down facility at the Hospital Entrance.
- Lowe Road: Access to proposed redevelopment area for service vehicles;
- Derby Road: Access to the Hospital Campus.
- Burdett Street: Access to HKH campus and proposed parking area.

The proposed access arrangements will improve the existing access situation to the Hospital and will serve the Hospital's needs adequately.

Access points to the car parks will be 6.0 metre wide in accordance with Council's code, Roads and Traffic Authority's Guidelines and the Australian Standards. If it would be required, some car parking areas could be controlled by boom gates.

Deliveries and collection of linen, food and waste, etc. will be made from the existing hospital services areas which are accessed via the existing covered way network. It is expected that a very low level of such activities will occur as the result of the redevelopment i.e. 1 to 2 deliveries per day.

The emergency evacuation and public access for the site are based on the current standards and regulations and the existing plans for the Hospital Campus.

The key components of this proposal in relation to the movement of traffic and pedestrians are:

- Entry and exit for ambulance and service vehicles is proposed off Lowe Road between the proposed building and the exiting Mental Health Intensive Care Unit (MHICU) building to the South, and will service both this proposed MHU building and the existing MHICU.
- Access to the CAMHS, AAMH and CAMHS Community Team Units for both cars and pedestrians will be via Palmerston Road. This will lead into the car parking area for all of these facilities. The Palmerston Road car park will cater for 97 car parking spaces (4 disabled).
- Patient and Visitor Access to the AAMHU Inpatient Unit will be located in a dedicated entrance on the southern face of the building directly in front of the car park for ease of access.
- Patient and Visitor Access to the CAMHS Inpatient Unit and the CAMHS Community Team unit will be located in a dedicated entrance on the southern face of the building, separate to the AAMHU Inpatient Unit, and directly in front of the car park for ease of access.
- The new facilities are to be linked to the existing Main Hospital circulation system by a covered pedestrian footpath to provide for staff access and hotel services including linen, food and waste.
- Pedestrian links are provided to the existing adjacent MICHU to facilitate patient movement from the new Adult Acute Unit.

3.5 Impact of the Development

The proposed development is expected to have a minimal impact on the road system and intersection performance of the area.

The current use of the site is similar to its future use with an additional capacity of some 50 parking spaces.

An assessment of traffic generation for the proposed development has been considered and findings indicate that any increase in traffic from the proposed development is minimal and is within the capacity of the current operation of the road network in the area. The following illustrates these findings.

- The additional peak hour traffic generation for the site will be at about 40-45 vehicle trips (35 staff (out of 50 during one hour period who drive/arrive to work by car) and 5 visitors/deliveries). Considering that staff arrive or depart within a 2-3 hour period, a lower peak hour traffic generation would be expected (staff working shift hours, part-time staff such as medical officers etc).
- This level of hourly traffic amounts for about less than 1 trip per 1 minute. Therefore, it has no adverse impact on the performances of the road network or intersection operation within the study area or street system in the vicinity of the HKH campus.

Nevertheless, the operations of the road system adjacent to the site are at a very good level of service and they can easily accommodate any possible increase of such traffic.

It is worth noting that the activities of the proposed development are spread during the whole day and therefore its impact on the operation of peak hour Therefore it should be noted that due to the traffic would be very minimal. confined nature of the proposed development and its low traffic generation (less than 1 vehicle per minute), no adverse impact will be experienced along road network system including Edgeworth David Avenue and its side streets.

| Table 3.1 | Future Perforr | mance of In | tersectior | าร |
|---|----------------------------|--------------------------------|----------------------------|--|
| | AM and PM Comm | uter Peak Ho | our Traffic | on a Weekday |
| Intersection | Traffic Controls | Degree of Saturation DoS | Level of Service LoS | Average Delay/Veh Sec/Veh (approach)* |
| AM PEAK HOUR | | | | |
| Palmerston Rd & Northcote | T- Junction | 0.19 | А | 5.2 (6.3-2R) |
| Lowe Rd & Derby Rd PM PEAK HOUR | T- Junction | 0.07 | A | 5.2 (6.0-1R) |
| Palmerston Rd & Northcote Lowe Rd & Derby Rd | T- Junction T- Junction | 0.12 0.07 | A A | 5.0 (6.1-2R) 5.3 (6.0-2R) |

* Highest delay on a major approach

3.6 Transport Accessibility¹

By Train and Bus

The nearest railway stations are Waitara and Hornsby. Hornsby is accessible via both the main North line and the North Shore line. Waitara is on the North Shore line.

The Shorelink Bus service number 574 and 575 travel to Hornsby Ku-ring-gai Hospital from Hornsby Railway Station (near Station Street). These pick up and set down at the front entrance of the Hospital, in Palmerston Road. A timetable is available in the Appendix. Frequency of service is about every 30 minutes during peak hours and the total trip takes 50 minutes. To walk from Hornsby train station to the Hospital, it takes about 30 minutes.

There are no bus services to Hornsby Ku-ring-gai Hospital available from Waitara railway station.

Hornsby railway station has a ramp and a lift, so it is a more suitable choice for people with mobility issues.

By Car

Hornsby Hospital is situated on Sydney's upper north shore and located 5 minutes from the F3 expressway. Main approach routes such as Pacific Highway and Edgeworth David Avenue provide main access links to the Hospital's surroundings. Off street parking is sometimes available at Lowe and Derby Roads, 2 hour parking spots are available in Palmerston Road between Burdett Street and Edgeworth David Avenue. Some parking areas are assigned for ambulances, medical staff and other special purposes.

<u>By Taxi</u>

Hornsby Hospital covers a large area and Taxis can drop off/pick up at the exact point. Free taxi phones are located in the main entrance and emergency department.

<u>By Air</u>

The closest domestic and international airport is Sydney Airport. Trains are available from the airport via the City. Airport Express buses run between Central Railway Station and Sydney Airport.

<u>Walking</u>

The Hospital's website provides directions for walking to the Hospital and nearby railway stations as detailed below

1. From Waitara Station:

The distance to the Hospital from Waitara Station is approximately 1.5 km. You will need to leave the station on the Alexandria Avenue side. Cross at the pedestrian crossing to reach Waitara Avenue (it will be slightly to your right).

Walk along to the end of Waitara Avenue and take the pathway through to Edgeworth David Avenue. Just to your left there will be traffic lights where you may safely cross the road to the other side of Edgeworth David Avenue. Continue to your right along Edgeworth David Avenue until you reach Palmerston Road and turn left into Palmerston Road. You will come to the main Hospital entrance on your right hand side, soon after you cross Burdett Street.

2. From Hornsby Station

The distance to the Hospital from Hornsby Station is approximately 1.8 km. No matter which route is taken, part of the walk will be 'uphill'. You would need to leave the station on the George Street side, and it is safest to use the pedestrian overpass, which will bring you out near the mall. Walk down through the Mall and continue down Florence Street to the 'T' intersection. Turn left and walk down Sherbrook Road until you reach the intersection with Burdett Street. Cross to the opposite side of Burdett Street at the lights. Then cross at the lights on that side to walk on the footpath up the hill along Burdett Street. Continue to walk up Burdett Street. Eventually you will come to Palmerston Road. If you then turn left and walk along you will soon come to the main Hospital entrance on your right hand side.

It is envisaged that Hospital management to provide guidelines and incentives to encourage active and public transport particularly among staff, such as UP4Health and Go Active 2 Work (*Health Promotion* January – June 2009; NSCCAHS). Bicycle racks are be placed at appropriate locations within the Campus. The current and proposed pedestrian footpaths/walkways and facilities for cyclist together with *Health Promotions* will provide better amenity and information for the users of the Hospital and hence reduce car dependency.



Source: nearmap.com

4 CONCLUSION

The routes to the site are Burdett Street, Lowe, Derby and Palmerston Roads. These roads have a satisfactory level of service and will continue to have a similar level of service once the proposed CAMHS and other related works are completed.

The proposed redevelopment site will be designed on the basis of best practice and current guidelines, catering for disabled access and parents with prams. Pedestrian footpaths are available along Lowe, Derby and Palmerston Roads.

The vehicular access lay out to the proposed redevelopment site should be in accordance with the Roads and Traffic Authority's (RTA) Guidelines, Australian Standard and Council's Code.

It has been estimated that about 40 vehicles during a peak hour could be generated by the proposed development. Thus this level of vehicular traffic resulting from the subject development will not be significant and the road network will continue to have good operational characteristics.

The proposed development provides an additional 50 parking spaces as part of its parking management scheme. This provides an appropriate level of parking for the development site (including a surplus of 5 car parking spaces in addition to its parking demand) – considering Hospital's management efforts to encourage staff to use public and/or active transport as their means of travel to and from the Hospital. Accordingly, this complies with RTA's Guide for Traffic Generating Developments and Council's code (on the basis of needs assessment).

References:

Draft Traffic Report, Hornsby Ku-ring-gai Hospital, TTW 2003

Traffic and Parking Report, Mental Health Intensive Care Unit Hornsby Hospital; URaP-TTW, 2005

Health Promotion, Project Actions January – June 2009; NSW Health NSCCAHS

Hornsby Ku-Ring Gai Hospital Mental Health Unit Project Decanting and Carparking Strategies TSA Management, Matters for Design 24 March 2011

APPENDIX A

TTW

Hornsby MHU

Staff Numbers for Parking Calculations.

1.0 Adult Inpatient Unit

1.1 Existing Adult MHU

Estimate of current staff occupying existing LMU Morning - (nursing, medical, allied health and clerical) about 20 Afternoon (handover / overlap period between about 1 pm - 3pm) - 24

1.2 New Adult MHU

Morning - (nursing, medical, allied health and clerical) about 38 / 40 Afternoon - (handover/overlap period between about 1 pm - 3pm) 50 This is based on all staff being on duty on any given day which does not occur in real

time because of leave /other absences etc.

1.3 Additional staff for Adult MHU = 26

2.0 CAMHS Community Service & CAMHS Inpatient Unit

2.1 CAMHS Community Service Current

Monday to Friday (9-5) 13 staff

2.2 CAMHS Community Service Proposed

Monday to Friday (9-5) 20 staff in total - additional 7

2.3 New CAMHS Inpatient Unit

Monday to Friday 9-5 Non Direct Care Staff - 11 Morning (All week) Direct Care Staff - 5 Afternoon (All week) Direct Care Staff 5. With overlap between 1 and 3 - allow 10 Night (All Week) 4 Direct care staff

2.4 Additional staff for CAMHS Community Service & CAMHS Inpatient Unit 7+11+10=28

7+11+10=20

3.0 Total additional parking spaces

Subtotal for new staff for Adult & CAMHS = 54 Allow for 73% attendance = 40 + 10 visitors/etc = 50 new spaces Allow to replace existing 105 on site – total provision for development = 155 Look for bus numbers

575

Macquarie University to Hornsby

Buses Serving Macquarie Park South Turramurra Turramurra Wahroonga East Waitara Hornsby

See back cover for

detailed route descriptions



Effective from 11 October 2010



Bus Route Numbers

575 Macquarie University to Hornsby via South Turramurra, Turramurra, Wahroonga East and Waitara. Service operates 7 days.

Additional Services



There are additional services operating in this area. Please call 131 500 or visit Transport Info on www.131500.com.au for details.

This Service is Operated by



PO Box 138 Mt Kuring-gai NSW 2080 Telephone 9457 8888 www.shorelink.com.au

Welcome Aboard

This timetable details the various bus services operated by TransdevTSL - Shorelink Buses in the areas listed on the cover.

Our reliable bus services will enable you to go shopping, to work, to school or to social events, quickly and comfortably. At the bus stop please ensure you "hail" the bus driver of the bus you wish to catch and where possible tender the correct fare.

Please move to the back of the bus and make the seats in the front rows of the bus available for elderly or less able passengers. Copies of timetables and other information about services we operate are available from Transport Info and on board all our buses.

How to use this Timetable

- 1. Using the route map provided, find the two timing points you are located between.
- 2. Locate these two timing points on the timetables.
- 3. Your bus is scheduled to arrive between the times shown for these points. For example, if your bus stop is situated between timing points (A) and (B) on the map, then the bus is scheduled to arrive between the time listed for (B) and the time listed for (A).

Fares and Concession Travel

Passes must be produced for concession discounts or free travel each time a ticket is purchased. Unreadable passes are invalid. Passengers 16 years and over are required to pay full fare unless travelling to and from school, or upon presenting a valid school pass or other valid ID.

Lost Property

Please take all items with you before you leave the bus. If you find an item left on the bus, please notify the driver.

For lost property enquiries please call the relevant bus operator. Please keep your bus ticket to help identify the bus involved.

Late Running Buses

TransdevTSL - Shorelink Buses reserves the right to amend this timetable without prior notice. We endeavour to ensure services depart at the specified times, however timetables may change and buses may be delayed or cancelled due to circumstances beyond our control.

Accessible Vehicles

Wheelchair-accessible buses operate on selected timetabled services. While we will endeavour to operate an accessible bus at the time(s) nominated, due to circumstances beyond our control, this service may be replaced by an ordinary bus.

A Pleasant Environment for All

In the interests of our passengers, please refrain from smoking, eating, drinking or playing loud music on our buses.





Macquarie University to Hornsby

via Turramurra, Wahroonga East and Waitara

| | Monday to Friday | | Ŀ | | | | | | | | | Ŀ | | Ŀ | | | | F | | | | Ŀ | | | Ŀ | | |
|------------|--------------------------------|------|------|------|------|------|------|------|---------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|---------------|------|------|------|------|
| map ref | Route Number | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 |
| | | am | am | am | am | am | am | am | am | pm | pm | pm | pm | pm | pm | pm | pm | pm | pm | pm |
| A | Macquarie University | | 6.04 | | 6.38 | 6.58 | 7.20 | 7.40 | 8.05 | 8.35 | 9.00 | 9.30 | 10.00 | 10.30 | 11.00 | 11.30 | 12.00 | 12.30 | 1.00 | 1.30 | 2.00 | 2.30 | 3.00 | 3.30 | 4.05 | 4.35 | 5.05 |
| 8 | Macquarie Centre (Herring Rd) | | 6.10 | | 6.45 | 7.05 | 7.27 | 7.47 | 8.11 | F 8.43 | 9.06 | 9.36 | 10.06 | 10.36 | 11.06 | 11.36 | 12.06 | 12.36 | 1.06 | 1.36 | 2.06 | 2.36 | 3.06 | 3.36 | 4.11 | 4.43 | 5.12 |
| Θ | Lane Cove Rd & Fontenoy Rd | | 6.15 | | 6.50 | 7.10 | 7.32 | 7.52 | K 8.19 | KA 8.47 | 9.10 | 9.41 | 10.11 | 10.41 | 11.11 | 11.41 | 12.11 | 12.41 | 1.11 | 1.41 | 2.11 | 2.41 | 3.11 | 3.41 | 4.18 | 4.48 | 5.18 |
| D | Parker Ave & Comenarra Pkwy | | 6.19 | | 6.54 | 7.14 | 7.38 | 7.58 | 8.26 | 8.58 | 9.16 | 9.43 | 10.13 | 10.43 | 11.13 | 11.43 | 12.13 | 12.43 | 1.13 | 1.43 | 2.13 | 2.43 | 3.18 | 3.43 | 4.22 | 4.56 | 5.27 |
| Θ | Turramurra High School | | 6.23 | | 6.59 | 7.19 | 7.43 | 8.03 | 8.35 | 9.03 | 9.21 | 9.47 | 10.17 | 10.47 | 11.17 | 11.47 | 12.17 | 12.47 | 1.17 | 1.47 | 2.17 | 2.47 | 3.22 | 3.47 | 4.27 | 5.01 | 5.32 |
| G | Boronia Ave & Kissing Point Rd | | 6.30 | | 7.05 | 7.25 | 7.49 | 8.09 | 8.42 | 9.09 | 9.27 | 9.53 | 10.23 | 10.53 | 11.23 | 11.53 | 12.23 | 12.53 | 1.23 | 1.53 | 2.23 | 2.53 | C 3.28 | 3.53 | 4.33 | 5.07 | 5.38 |
| G | Turramurra Station (Rohini St) | | 6.33 | | 7.11 | 7.31 | 7.55 | 8.19 | 8.50 | 9.19 | 9.33 | 9.57 | 10.27 | 10.57 | 11.27 | 11.57 | 12.27 | 12.57 | 1.27 | 1.57 | 2.27 | 2.57 | 3.42 | 3.57 | 4.39 | 5.19 | 5.48 |
| 0 | Wahroonga East Shops | | 6.38 | | 7.17 | 7.37 | 8.04 | 8.28 | 8.56 | 9.28 | 9.42 | 10.04 | 10.34 | 11.04 | 11.34 | 12.04 | 12.34 | 1.04 | 1.34 | 2.04 | 2.34 | 3.04 | 3.49 | 4.04 | 4.46 | 5.27 | 5.56 |
| 0 | Kintore St & Eastern Rd | | 6.42 | | 7.22 | 7.42 | 8.09 | 8.33 | 8.58 | 9.34 | 9.45 | 10.08 | 10.38 | 11.08 | 11.38 | 12.08 | 12.38 | 1.08 | 1.38 | 2.08 | 2.38 | 3.08 | 3.53 | 4.08 | 4.54 | 5.32 | 5.58 |
| J | Waitara (Jubilee St) | 6.20 | 6.45 | 7.02 | 7.30 | 7.50 | 8.16 | 8.41 | 9.04 | 9.41 | 9.49 | 10.12 | 10.42 | 11.12 | 11.42 | 12.12 | 12.42 | 1.12 | 1.42 | 2.12 | 2.42 | 3.12 | 4.00 | 4.12 | 5.01 | 5.40 | 6.05 |
| 6 | Hornsby Hospital | 6.25 | 6.50 | 7.07 | 7.31 | 7.51 | 8.22 | 8.46 | 9.09 | 9.46 | 9.54 | 10.16 | 10.46 | 11.16 | 11.46 | 12.16 | 12.46 | 1.16 | 1.46 | 2.16 | 2.46 | 3.16 | 4.04 | 4.16 | 5.06 | 5.45 | 6.10 |
| O | Hornsby Station (Interchange) | 6.35 | 7.00 | 7.17 | 7.41 | 8.01 | 8.32 | 9.02 | 9.20 | 10.02 | 10.04 | 10.26 | 10.56 | 11.26 | 11.56 | 12.26 | 12.56 | 1.26 | 1.56 | 2.26 | 2.56 | 3.26 | 4.14 | 4.26 | 5.16 | 5.51 | 6.21 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | Monday to Friday Cont. | Ŀ | | Ŀ | | | Ł | Ŀ | | | Ŀ | Ŀ |
|------------|--------------------------------|------|------|------|------|------|------|------|------|------|-------|-------|
| map ref | Route Number | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 |
| | | pm | pm |
| A | Macquarie University | 5.20 | 5.40 | 6.05 | 6.30 | 7.00 | 7.30 | 8.00 | 8.30 | 9.00 | 9.30 | 10.00 |
| 8 | Macquarie Centre (Herring Rd) | 5.27 | 5.47 | 6.12 | 6.36 | 7.04 | 7.34 | 8.04 | 8.34 | 9.04 | 9.34 | 10.04 |
| Θ | Lane Cove Rd & Fontenoy Rd | 5.33 | 5.53 | 6.18 | 6.38 | 7.08 | 7.38 | 8.08 | 8.38 | 9.08 | 9.38 | 10.08 |
| D | Parker Ave & Comenarra Pkwy | 5.42 | 6.02 | 6.22 | 6.43 | 7.13 | 7.43 | 8.13 | 8.43 | 9.13 | 9.43 | 10.13 |
| Θ | Turramurra High School | 5.47 | 6.07 | 6.27 | 6.47 | 7.17 | 7.47 | 8.17 | 8.47 | 9.17 | 9.47 | 10.17 |
| G | Boronia Ave & Kissing Point Rd | 5.53 | 6.13 | 6.31 | 6.53 | 7.23 | 7.53 | 8.23 | 8.53 | 9.23 | 9.53 | 10.23 |
| G | Turramurra Station (Rohini St) | 6.03 | 6.23 | 6.36 | 6.57 | 7.27 | 7.57 | 8.27 | 8.57 | 9.27 | 9.57 | 10.27 |
| 0 | Wahroonga East Shops | 6.11 | 6.32 | 6.44 | 7.05 | 7.35 | 8.05 | 8.35 | 9.05 | 9.35 | 10.05 | 10.35 |
| 0 | Kintore St & Eastern Rd | 6.18 | 6.38 | 6.49 | 7.08 | 7.38 | 8.08 | 8.38 | 9.08 | 9.38 | 10.08 | 10.38 |
| J | Waitara (Jubilee St) | 6.25 | 6.45 | 6.56 | 7.12 | 7.42 | 8.12 | 8.42 | 9.12 | 9.42 | 10.12 | 10.42 |
| 6 | Hornsby Hospital | 6.30 | 6.50 | 7.01 | 7.16 | 7.46 | 8.16 | 8.46 | 9.16 | 9.46 | 10.16 | 10.46 |
| 0 | Hornsby Station (Interchange) | 6.41 | 7.01 | 7.11 | 7.26 | 7.56 | 8.26 | 8.56 | 9.26 | 9.56 | 10.26 | 10.56 |

| | Saturday | Ę | Ŀ | | | | Ŀ | | Ŀ | F | |
|------------|--------------------------------|------|-------|-------|-------|------|------|------|------|------|------|
| map ref | Route Number | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 |
| | | am | am | am | pm | pm | pm | pm | pm | pm | pm |
| A | Macquarie University | 9.00 | 10.00 | 11.00 | 12.00 | 1.00 | 2.00 | 3.00 | 4.00 | 5.00 | 6.00 |
| Θ | Macquarie Centre (Herring Rd) | 9.05 | 10.05 | 11.05 | 12.05 | 1.05 | 2.05 | 3.05 | 4.05 | 5.05 | 6.05 |
| Θ | Lane Cove Rd & Fontenoy Rd | 9.11 | 10.11 | 11.11 | 12.11 | 1.11 | 2.11 | 3.11 | 4.11 | 5.11 | 6.11 |
| D | Parker Ave & Comenarra Pkwy | 9.18 | 10.18 | 11.18 | 12.18 | 1.18 | 2.18 | 3.18 | 4.18 | 5.18 | 6.18 |
| 0 | Turramurra High School | 9.23 | 10.23 | 11.23 | 12.23 | 1.23 | 2.23 | 3.23 | 4.23 | 5.23 | 6.23 |
| G | Boronia Ave & Kissing Point Rd | 9.28 | 10.28 | 11.28 | 12.28 | 1.28 | 2.28 | 3.28 | 4.28 | 5.28 | 6.28 |
| G | Turramurra Station (Rohini St) | 9.32 | 10.32 | 11.32 | 12.32 | 1.32 | 2.32 | 3.32 | 4.32 | 5.32 | 6.32 |
| 0 | Wahroonga East Shops | 9.39 | 10.39 | 11.39 | 12.39 | 1.39 | 2.39 | 3.39 | 4.39 | 5.39 | 6.39 |
| 0 | Kintore St & Eastern Rd | 9.40 | 10.40 | 11.40 | 12.40 | 1.40 | 2.40 | 3.40 | 4.40 | 5.40 | 6.40 |
| J | Waitara (Jubilee St) | 9.46 | 10.46 | 11.46 | 12.46 | 1.46 | 2.46 | 3.46 | 4.46 | 5.46 | 6.46 |
| 0 | Hornsby Hospital | 9.49 | 10.49 | 11.49 | 12.49 | 1.49 | 2.49 | 3.49 | 4.49 | 5.49 | 6.49 |
| 0 | Hornsby Station (Interchange) | 9.57 | 10.57 | 11.57 | 12.57 | 1.57 | 2.57 | 3.57 | 4.57 | 5.57 | 6.57 |
| | | | | | | | | | | | |

| | Sunday & Public Holidays* | Ŀ | Ŀ | Ŀ | | | Ŀ | | Ł |
|------------|--------------------------------|------|-------|-------|-------|------|------|------|------|
| map ref | Route Number | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 |
| | | am | am | am | pm | pm | pm | pm | pm |
| A | Macquarie University | 9.00 | 10.00 | 11.00 | 12.00 | 1.00 | 2.00 | 3.00 | 4.00 |
| 3 | Macquarie Centre (Herring Rd) | 9.01 | 10.01 | 11.01 | 12.01 | 1.01 | 2.01 | 3.01 | 4.01 |
| Θ | Lane Cove Rd & Fontenoy Rd | 9.06 | 10.06 | 11.06 | 12.06 | 1.06 | 2.06 | 3.06 | 4.06 |
| D | Parker Ave & Comenarra Pkwy | 9.13 | 10.13 | 11.13 | 12.13 | 1.13 | 2.13 | 3.13 | 4.13 |
| Θ | Turramurra High School | 9.18 | 10.18 | 11.18 | 12.18 | 1.18 | 2.18 | 3.18 | 4.18 |
| G | Boronia Ave & Kissing Point Rd | 9.23 | 10.23 | 11.23 | 12.23 | 1.23 | 2.23 | 3.23 | 4.23 |
| G | Turramurra Station (Rohini St) | 9.27 | 10.27 | 11.27 | 12.27 | 1.27 | 2.27 | 3.27 | 4.27 |
| 0 | Wahroonga East Shops | 9.34 | 10.34 | 11.34 | 12.34 | 1.34 | 2.34 | 3.34 | 4.34 |
| 0 | Kintore St & Eastern Rd | 9.35 | 10.35 | 11.35 | 12.35 | 1.35 | 2.35 | 3.35 | 4.35 |
| J | Waitara (Jubilee St) | 9.39 | 10.39 | 11.39 | 12.39 | 1.39 | 2.39 | 3.39 | 4.39 |
| (3 | Hornsby Hospital | 9.42 | 10.42 | 11.42 | 12.42 | 1.42 | 2.42 | 3.42 | 4.42 |
| 0 | Hornsby Station (Interchange) | 9.47 | 10.47 | 11.47 | 12.47 | 1.47 | 2.47 | 3.47 | 4.47 |

Explanations

- F Bus diverts via Fontenoy Road to Ryde Rd.
- A Bus diverts to West Pymble P.S.
- C Bus diverts to Catalpa Cr near Godfrey Ave.
- K Bus diverts to Kooloona Loop.
- Accessible buses operate this service (For operational requirements TransdevTSL reserves the right to substitute conventional buses).



Easter Saturday services run to Public Holidays timetable. * No service on Christmas Day.

1

See other side for route map and services to Macquarie University →

FareSaver

Make the most of your **FareSaver** on TransdevTSL journeys, no worries about finding loose change to pay your fare, **FareSaver**'s prepaid top up value facility will ensure you have a hassle free boarding. **FareSaver** is the size of a credit card and works much the same but no pin is needed. You can simply top up the value on your card at any time by handing it to the bus driver (minimum top up value is \$20.00).

Visit our website **www.shorelink.com.au** to download the **FareSaver** application form or ask your bus driver.





Hornsby to Macquarie University via Waitara, Wahroonga East and Turramurra



| | Monday to Friday | | | | | | | F | Ŀ | | | Ŀ | | | | Ŀ | | | | Ŀ | | | Ŀ | | Ŀ | | |
|------------|--------------------------------|------|------|------|------|------|------|------|---------------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|---------------|------|------|------|------|------|
| map ref | Route Number | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 |
| | | am | am | am | am | am | am | am | am | pm | pm | pm | pm | pm | pm | pm | pm | pm | pm | pm |
| 0 | Hornsby Station (Interchange) | 5.45 | 6.05 | 6.30 | 6.45 | 7.05 | 7.30 | 7.44 | 8.05 | 8.34 | 9.00 | 9.30 | 10.00 | 10.30 | 11.00 | 11.30 | 12.00 | 12.30 | 1.00 | 1.30 | 2.00 | 2.30 | 3.00 | 3.35 | 4.05 | 4.30 | 5.00 |
| ß | Lowe Rd & Palmerston Rd | 5.49 | 6.09 | 6.35 | 6.51 | 7.13 | 7.38 | 7.52 | 8.13 | 8.42 | 9.08 | 9.35 | 10.05 | 10.35 | 11.05 | 11.35 | 12.05 | 12.35 | 1.05 | 1.35 | 2.05 | 2.35 | 3.07 | 3.41 | 4.11 | 4.38 | 5.08 |
| J | Waitara (Jubilee St) | 5.52 | 6.12 | 6.38 | 6.55 | 7.16 | 7.41 | 7.56 | 8.17 | 8.45 | 9.11 | 9.38 | 10.08 | 10.38 | 11.08 | 11.38 | 12.08 | 12.38 | 1.08 | 1.38 | 2.08 | 2.38 | 3.11 | 3.44 | 4.14 | 4.41 | 5.11 |
| 0 | Kintore St & Eastern Rd | 5.56 | 6.16 | 6.42 | 6.59 | 7.21 | 7.47 | 8.02 | 8.23 | 8.51 | 9.15 | 9.42 | 10.12 | 10.42 | 11.12 | 11.42 | 12.12 | 12.42 | 1.12 | 1.42 | 2.12 | 2.42 | 3.15 | 3.47 | 4.18 | 4.45 | 5.17 |
| 0 | Wahroonga East Shops | 5.59 | 6.19 | 6.47 | 7.04 | 7.27 | 7.50 | 8.06 | 8.28 | 8.56 | 9.20 | 9.46 | 10.16 | 10.46 | 11.15 | 11.45 | 12.15 | 12.45 | 1.15 | 1.45 | 2.15 | 2.45 | 3.18 | 3.51 | 4.21 | 4.50 | 5.22 |
| G | Turramurra Station (Rohini St) | 6.06 | 6.26 | 6.54 | 7.10 | 7.35 | 7.56 | 8.15 | C 8.35 | 9.03 | 9.27 | 9.53 | 10.23 | 10.53 | 11.22 | 11.52 | 12.22 | 12.52 | 1.22 | 1.52 | 2.22 | 2.53 | 3.24 | 3.57 | 4.27 | 5.02 | 5.34 |
| G | Boronia Ave & Kissing Point Rd | 6.09 | 6.29 | 7.00 | 7.15 | 7.44 | 8.04 | 8.20 | 8.46 | 9.14 | 9.38 | 9.58 | 10.28 | 10.58 | 11.28 | 11.58 | 12.28 | 12.58 | 1.28 | 1.58 | 2.28 | 2.58 | 3.31 | 4.03 | 4.33 | 5.08 | 5.40 |
| Θ | Turramurra High School | 6.14 | 6.34 | 7.04 | 7.20 | 7.48 | 8.11 | 8.33 | 8.51 | 9.18 | 9.42 | 10.02 | 10.32 | 11.02 | 11.32 | 12.02 | 12.32 | 1.02 | 1.32 | 2.02 | 2.32 | 3.06 | 3.35 | 4.07 | 4.37 | 5.12 | 5.49 |
| D | Parker Ave & Comenarra Pkwy | 6.20 | 6.40 | 7.10 | 7.30 | 7.53 | 8.18 | 8.38 | 8.56 | 9.23 | 9.50 | 10.08 | 10.38 | 11.08 | 11.38 | 12.08 | 12.38 | 1.08 | 1.38 | 2.08 | 2.38 | A 3.12 | 3.41 | 4.13 | 4.43 | 5.20 | 5.54 |
| Θ | Fontenoy Rd & Lane Cove Rd | 6.28 | 6.48 | 7.18 | 7.47 | 8.19 | 8.33 | 8.57 | 9.17 | 9.37 | 10.01 | 10.16 | 10.46 | 11.16 | 11.46 | 12.16 | 12.46 | 1.16 | 1.46 | 2.16 | 2.46 | 3.28 | 3.49 | 4.21 | 4.51 | 5.29 | 6.13 |
| B | Macquarie Centre (Herring Rd) | 6.33 | 6.53 | 7.25 | 7.57 | 8.25 | 8.40 | 9.04 | 9.24 | 9.44 | 10.08 | 10.23 | 10.53 | 11.23 | 11.53 | 12.23 | 12.53 | 1.23 | 1.53 | 2.23 | 2.53 | 3.35 | 3.56 | 4.28 | 4.58 | 5.38 | 6.20 |
| | Macquarie University | 6.35 | 6.55 | 7.29 | 8.00 | 8.30 | 8.45 | 9.08 | 9.28 | 9.48 | 10.12 | 10.27 | 10.57 | 11.27 | 11.57 | 12.27 | 12.57 | 1.27 | 1.57 | 2.27 | 2.57 | 3.39 | 4.00 | 4.32 | 5.02 | 5.42 | 6.24 |
| 6 | Macquarie Centre (Herring Rd) | 6.33 | 6.53 | | 7.57 | 8.25 | 8.40 | 9.04 | | 9.44 | 10.08 | 10.23 | 10.53 | 11.23 | 11.53 | 12.23 | 12.53 | 1.23 | 1.53 | 2.23 | 2.53 | 3.35 | 3.56 | 4.28 | 4.58 | 5.3 | 8 |

| | Monday to Friday Cont. | | Ŀ | Ŀ | | | | Ŀ | Ŀ | |
|------------|--------------------------------|------|------|------|------|------|------|------|------|-------|
| map ref | Route Number | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 |
| | | pm |
| 0 | Hornsby Station (Interchange) | 5.30 | 6.00 | 6.30 | 7.10 | 7.30 | 8.00 | 8.30 | 9.00 | 9.30 |
| ß | Lowe Rd & Palmerston Rd | 5.38 | 6.08 | 6.38 | 7.15 | 7.35 | 8.05 | 8.35 | 9.05 | 9.35 |
| J | Waitara (Jubilee St) | 5.41 | 6.11 | 6.41 | 7.18 | 7.38 | 8.08 | 8.38 | 9.08 | 9.38 |
| 0 | Kintore St & Eastern Rd | 5.47 | 6.17 | 6.47 | 7.23 | 7.43 | 8.13 | 8.43 | 9.13 | 9.43 |
| 0 | Wahroonga East Shops | 5.52 | 6.22 | 6.52 | 7.27 | 7.47 | 8.17 | 8.47 | 9.17 | 9.47 |
| G | Turramurra Station (Rohini St) | 6.04 | 6.34 | 7.04 | 7.34 | 7.54 | 8.24 | 8.54 | 9.24 | 9.54 |
| G | Boronia Ave & Kissing Point Rd | 6.10 | 6.40 | 7.10 | 7.40 | 8.00 | 8.30 | 9.00 | 9.30 | 10.00 |
| Θ | Turramurra High School | 6.21 | 6.49 | 7.14 | 7.44 | 8.04 | 8.34 | 9.04 | 9.34 | 10.04 |
| D | Parker Ave & Comenarra Pkwy | 6.24 | 6.54 | 7.22 | 7.50 | 8.10 | 8.40 | 9.10 | 9.40 | 10.10 |
| Θ | Fontenoy Rd & Lane Cove Rd | 6.43 | 7.11 | 7.31 | 7.56 | 8.16 | 8.46 | 9.16 | 9.46 | 10.16 |
| 6 | Macquarie Centre (Herring Rd) | 6.50 | 7.18 | 7.38 | 8.03 | 8.23 | 8.53 | 9.23 | 9.53 | 10.23 |
| A | Macquarie University | 6.54 | 7.22 | 7.42 | 8.07 | 8.27 | 8.57 | 9.27 | 9.57 | 10.27 |

| | Sunday & Public Holidays* | Ŀ | Ŀ | Ŀ | | | | | Ŀ | |
|------------|--------------------------------|------|------|-------|-------|-------|------|------|------|------|
| map ref | Route Number | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 |
| | | am | am | am | am | pm | pm | pm | pm | pm |
| 0 | Hornsby Station (Interchange) | 8.00 | 9.00 | 10.00 | 11.00 | 12.00 | 1.00 | 2.00 | 3.00 | 4.00 |
| 6 | Lowe Rd & Palmerston Rd | 8.04 | 9.04 | 10.04 | 11.04 | 12.04 | 1.04 | 2.04 | 3.04 | 4.04 |
| J | Waitara (Jubilee St) | 8.07 | 9.07 | 10.07 | 11.07 | 12.07 | 1.07 | 2.07 | 3.07 | 4.07 |
| 0 | Kintore St & Eastern Rd | 8.11 | 9.11 | 10.11 | 11.11 | 12.11 | 1.11 | 2.11 | 3.11 | 4.11 |
| 0 | Wahroonga East Shops | 8.12 | 9.12 | 10.12 | 11.12 | 12.12 | 1.12 | 2.12 | 3.12 | 4.12 |
| G | Turramurra Station (Rohini St) | 8.19 | 9.19 | 10.19 | 11.19 | 12.19 | 1.19 | 2.19 | 3.19 | 4.19 |
| G | Boronia Ave & Kissing Point Rd | 8.23 | 9.23 | 10.23 | 11.23 | 12.23 | 1.23 | 2.23 | 3.23 | 4.23 |
| Θ | Turramurra High School | 8.27 | 9.27 | 10.27 | 11.27 | 12.27 | 1.27 | 2.27 | 3.27 | 4.27 |
| D | Parker Ave & Comenarra Pkwy | 8.34 | 9.34 | 10.34 | 11.34 | 12.34 | 1.34 | 2.34 | 3.34 | 4.34 |
| Θ | Fontenoy Rd & Lane Cove Rd | 8.41 | 9.41 | 10.41 | 11.41 | 12.41 | 1.41 | 2.41 | 3.41 | 4.41 |
| 6 | Macquarie Centre (Herring Rd) | 8.46 | 9.46 | 10.46 | 11.46 | 12.46 | 1.46 | 2.46 | 3.46 | 4.46 |
| | Macquarie University | 8.48 | 9.48 | 10.48 | 11.48 | 12.48 | 1.48 | 2.48 | 3.48 | 4.48 |

Explanations

- A Bus diverts to West Pymble P.S.
- C Bus diverts via Catalpa Cr, near Godfrey Ave.
- K Accessible buses operate this service (For operational requirements TransdevTSL reserves the right to substitute conventional buses).



Easter Saturday services run to Public Holidays timetable. * No service on Christmas Day.



| | Saturday | F | F | | | | Ŀ | | Ę | Ŀ | |
|------------|--------------------------------|------|------|-------|-------|-------|------|------|------|------|------|
| map ref | Route Number | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 |
| | | am | am | am | am | pm | pm | pm | pm | pm | pm |
| 0 | Hornsby Station (Interchange) | 8.00 | 9.00 | 10.00 | 11.00 | 12.00 | 1.00 | 2.00 | 3.00 | 4.00 | 5.00 |
| 6 | Lowe Rd & Palmerston Rd | 8.09 | 9.09 | 10.09 | 11.09 | 12.09 | 1.09 | 2.09 | 3.09 | 4.09 | 5.09 |
| J | Waitara (Jubilee St) | 8.12 | 9.12 | 10.12 | 11.12 | 12.12 | 1.12 | 2.12 | 3.12 | 4.12 | 5.12 |
| 0 | Kintore St & Eastern Rd | 8.16 | 9.16 | 10.16 | 11.16 | 12.16 | 1.16 | 2.16 | 3.16 | 4.16 | 5.16 |
| 0 | Wahroonga East Shops | 8.17 | 9.17 | 10.17 | 11.17 | 12.17 | 1.17 | 2.17 | 3.17 | 4.17 | 5.17 |
| G | Turramurra Station (Rohini St) | 8.24 | 9.24 | 10.24 | 11.24 | 12.24 | 1.24 | 2.24 | 3.24 | 4.24 | 5.24 |
| G | Boronia Ave & Kissing Point Rd | 8.28 | 9.28 | 10.28 | 11.28 | 12.28 | 1.28 | 2.28 | 3.28 | 4.28 | 5.28 |
| Θ | Turramurra High School | 8.32 | 9.32 | 10.32 | 11.32 | 12.32 | 1.32 | 2.32 | 3.32 | 4.32 | 5.32 |
| D | Parker Ave & Comenarra Pkwy | 8.39 | 9.39 | 10.39 | 11.39 | 12.39 | 1.39 | 2.39 | 3.39 | 4.39 | 5.39 |
| Θ | Fontenoy Rd & Lane Cove Rd | 8.49 | 9.49 | 10.49 | 11.49 | 12.49 | 1.49 | 2.49 | 3.49 | 4.49 | 5.49 |
| • | Macquarie Centre (Herring Rd) | 8.54 | 9.54 | 10.54 | 11.54 | 12.54 | 1.54 | 2.54 | 3.54 | 4.54 | 5.54 |
| A | Macquarie University | 8.58 | 9.58 | 10.58 | 11.58 | 12.58 | 1.58 | 2.58 | 3.58 | 4.58 | 5.58 |
| | | | | | | | | | | | |



CfeIT bob.white@cfeit.com (02) 9740 8600

One Page Summary



| Street | | Count Number 7237 Ref : URAP Lat/Long : S33 42 04.1 / E151 06 47.7 UBD 133 | | | | | | | | | | | |
|-----------------|--------------|--|---------------------------------------|------------|-------------------|--|-----|--------------------------|-------------|-------|---------|--|--|
| | | | | | | | | | | | | | |
| Location | Between Paln | nerston Road and | d Derby Road, | ELP MC9166 | | | | | Carriageway | | | | |
| TOTAL COU | | | 29-MAR-11 1400 7 DAYS 1 HOUR | | Weekly Five Da | 50th Percer 85th Percer y AADT Day AADT | | 36 48 1317 1154 | | | | | |
| | MON | TUE | WED | THU | FRI | SAT | SUN | 5 | Dav | 7 Dav | | | |
| | 4TH | 29TH / 5TH | 30TH | 31ST | 1ST | 2ND | 3RD | Total | Average | Total | Average | | |
| Midnight - 1am | 2 | 3 | 2 | 3 | 2 | 4 | 7 | 12 | 2 | 23 | 3 | | |
| 1am - 2am | 1 | 2 | 2 | 1 | 0 | 3 | 6 | 6 | 1 | 15 | 2 | | |
| 2am - 3am | 1 | 1 | 1 | 1 | 4 | 9 | 0 | 8 | 2 | 17 | 2 | | |
| 3am - 4am | 0 | 0 | 3 | 1 | 5 | 1 | 0 | 9 | 2 | 10 | 1 | | |
| 4am - 5am | 5 | 2 | 5 | 3 | 3 | 4 | 0 | 18 | 4 | 22 | 3 | | |
| 5am - 6am | 2 | 1 | 18 | 12 | 20 | 3 | 3 | 53 | 11 | 59 | 8 | | |
| 6am - 7am | 24 | 15 | 46 | 46 | 52 | 14 | 5 | 183 | 37 | 202 | 29 | | |
| 7am - 8am | 52 | 45 | 99 | 106 | 95 | 29 | 18 | 397 | 79 | 444 | 63 | | |
| 8am - 9am | 109 | 114 | 113 | 100 | 104 | 48 | 18 | 540 | 108 | 606 | 87 | | |
| 9am - 10am | 124 | 94 | 100 | 82 | 61 | 64 | 25 | 461 | 92 | 550 | 79 | | |
| 10am - 11am | 82 | 89 | 90 | 101 | 75 | 62 | 28 | 437 | 87 | 527 | 75 | | |
| 11am - Midday | 93 | 78 | 109 | 87 | 76 | 70 | 45 | 443 | 89 | 558 | 80 | | |
| Midday - 1pm | 89 | 106 | 77 | 76 | 63 | 68 | 61 | 411 | 82 | 540 | 77 | | |
| 1pm - 2pm | 103 | 107 | 106 | 126 | 61 | 46 | 59 | 503 | 101 | 608 | 87 | | |
| 2pm - 3pm | 90 | 98 | 106 | 96 | 72 | 80 | 54 | 462 | 92 | 596 | 85 | | |
| 3pm - 4pm | 97 | 117 | 122 | 109 | 74 | 65 | 68 | 519 | 104 | 652 | 93 | | |
| 4pm - 5pm | 104 | 122 | 124 | 120 | 132 | 44 | 62 | 602 | 120 | 708 | 101 | | |
| 5pm - 6pm | 117 | 79 | 72 | 82 | 77 | 47 | 64 | 427 | 85 | 538 | 77 | | |
| 6pm - 7pm | 94 | 76 | 67 | 66 | 67 | 33 | 67 | 370 | 74 | 470 | 67 | | |
| 7pm - 8pm | 60 | 54 | 54 | 51 | 56 | 23 | 36 | 275 | 55 | 334 | 48 | | |
| 8pm - 9pm | 37 | 42 | 38 | 34 | 29 | 28 | 31 | 180 | 36 | 239 | 34 | | |
| 9pm - 10pm | 30 | 31 | 28 | 23 | 30 | 22 | 20 | 142 | 28 | 184 | 26 | | |
| 10pm - 11pm | 23 | 18 | 12 | 14 | 11 | 10 | 17 | 78 | 16 | 105 | 15 | | |
| 11pm - Midnight | 15 | 9 | 5 | 5 | 13 | 10 | 12 | 47 | 9 | 69 | 10 | | |
| Total | 1354 | 1303 | 1399 | 1345 | 1182 | 787 | 706 | 6583 | 1316 | 8076 | 1153 | | |

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One Page Summary



| | 7238 | | Ref URAP Lat/Long : \$33 42 05.0 / E151 06 41.7 UBD 133 M-16 | | | | | | | | | | | |
|-----------------|------------------|----------------------------------|--|------------|-------------------|---|--------------|--------------------------|---------|-------|---------|--|--|--|
| Street | PALMERSTON | ROAD, HORM | SBY : Betwe | en EDGEWOR | TH DAVID AVE | NUE & LOWE | ROAD (bidire | ctional) : | | | | | | |
| Location | Just north of No | orthcote Road, | House No. 61, | ELP MC9135 | | Carriageway | | | | | | | | |
| TOTAL COL | Star | t Date t Time ation val | 06-JUN-11 1200 7 DAYS 1 HOUR | | Weekly Five Da | 50th Percen 85th Percen Ay AADT Day AADT | | 34 44 1953 1735 | | | | | | |
| | MON | TUE | WED | THU | FRI | SAT | SUN | 5 | Dav | | 7 Dav | | | |
| | 13TH / 6TH | 7TH | 8TH | 9TH | 10TH | 11TH | 12TH | Total | Average | Total | Averade | | | |
| Midnight - 1am | 2 | 3 | 3 | 2 | 3 | 5 | 13 | 13 | 3 | 31 | 4 | | | |
| 1am - 2am | 2 | 4 | 0 | 4 | 2 | 8 | 6 | 12 | 2 | 26 | 4 | | | |
| 2am - 3am | 5 | 2 | 1 | 3 | 3 | 6 | 8 | 14 | 3 | 28 | 4 | | | |
| 3am - 4am | 7 | 4 | 3 | 3 | 5 | 5 | 2 | 22 | 4 | 29 | 4 | | | |
| 4am - 5am | 3 | 5 | 2 | 5 | 6 | 8 | 0 | 21 | 4 | 29 | 4 | | | |
| 5am - 6am | 26 | 13 | 44 | 16 | 38 | 7 | 8 | 137 | 27 | 152 | 22 | | | |
| 6am - 7am | 31 | 82 | 69 | 66 | 73 | 35 | 39 | 321 | 64 | 395 | 56 | | | |
| 7am - 8am | 48 | 151 | 169 | 169 | 150 | 38 | 28 | 687 | 137 | 753 | 108 | | | |
| 8am - 9am | 22 | 181 | 188 | 163 | 141 | 61 | 31 | 695 | 139 | 787 | 112 | | | |
| 9am - 10am | 43 | 171 | 130 | 126 | 110 | 90 | 45 | 580 | 116 | 715 | 102 | | | |
| 10am - 11am | 73 | 142 | 128 | 145 | 123 | 94 | 51 | 611 | 122 | 756 | 108 | | | |
| 11am - Midday | 127 | 139 | 146 | 137 | 107 | 109 | 80 | 656 | 131 | 845 | 121 | | | |
| Midday - 1pm | 169 | 143 | 141 | 129 | 147 | 115 | 75 | 729 | 146 | 919 | 131 | | | |
| 1pm - 2pm | 179 | 149 | 166 | 161 | 151 | 145 | 105 | 806 | 161 | 1056 | 151 | | | |
| 2pm - 3pm | 135 | 135 | 137 | 129 | 132 | 149 | 85 | 668 | 134 | 902 | 129 | | | |
| 3pm - 4pm | 144 | 148 | 148 | 148 | 136 | 129 | 92 | 724 | 145 | 945 | 135 | | | |
| 4pm - 5pm | 175 | 163 | 191 | 203 | 162 | 102 | 94 | 894 | 179 | 1090 | 156 | | | |
| 5pm - 6pm | 138 | 123 | 124 | 157 | 127 | 70 | 58 | 669 | 134 | 797 | 114 | | | |
| 6pm - 7pm | 76 | 97 | 119 | 99 | 101 | 72 | 61 | 492 | 98 | 625 | 89 | | | |
| 7pm - 8pm | 65 | 76 | 64 | 95 | 54 | 42 | 33 | 354 | 71 | 429 | 61 | | | |
| 8pm - 9pm | 31 | 56 | 57 | 59 | 44 | 36 | 28 | 247 | 49 | 311 | 44 | | | |
| 9pm - 10pm | 53 | 38 | 43 | 52 | 46 | 29 | 22 | 232 | 46 | 283 | 40 | | | |
| 10pm - 11pm | 22 | 15 | 28 | 25 | 28 | 19 | 25 | 118 | 24 | 162 | 23 | | | |
| 11pm - Midnight | 7 | 6 | 15 | 12 | 23 | 11 | 4 | 63 | 13 | 78 | 11 | | | |
| Total | 1583 | 2046 | 2116 | 2108 | 1912 | 1385 | 993 | 9765 | 1953 | 12143 | 1734 | | | |

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