



NOTICE OF MEETING

Notice is hereby given that of a meeting of the Sustainable Transport Committee meeting will be held:

DATE: THURSDAY, 2nd April 2015
TIME: From 6.30pm to 8.30pm
PLACE: Councillors' Room Town Hall, Manly Council

COMMITTEE MEMBERS:

Councillors

Cllr Cathy Griffin	Manly Council (Chair)
Cllr Hugh Burns	Manly Council

Other Members

Mr Peter Hopper	Community Member
Mr Richard Green	Community Member
Mr Jonathan Gunn	Community Member
Ms Melissa Palermo	Community Member
Ms Angela Andrews	Community Member

Council Staff

Mr Ben Hubbard	Manly Council (Traffic Manager)
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All other Councillors are free to attend as observers and are invited to do so and to engage in discussions, but not in voting, on any matter before the Committee.

Gordon Malesevic

Chief Operating Officer - Civic & Urban Services

Date: 24.3.15



**MEETING TO BE HELD ON THURSDAY 2nd April 2015 AT 6.30PM
COUNCILLORS' ROOM**

- MC/15/23866

ITEM 04: Matters arising / Item tracker

Table 1 provides a summary of items requiring follow up actions.

Item	Description	Action	Staff comment
5 February 2015 Matters arising	1. Potential to install double decker cycle racks next to information centre be investigated and report returned back. 2. The committee asked that a letter be written to Transport NSW suggesting that shop front next to Aldi on the Wharf could be used for cycle parking. 3. Review of cycle signage on Marine Parade 4. That STAC members write to Transport NSW and ask for patronage figures for the next express bus services 5. Budget bids for sustainable transport be provided to the Committee		March 2015 1. Refer to item 7 of report. 2. Traffic team to action. 3. The Community safety section of Council is currently working towards a proposal to ban cycling altogether on Marine Parade, with 'Walk your Bike' signage at all the access points. This is being considered because Marine Parade is becoming more congested with pedestrian traffic. This has been brought up at the Community Safety and Place Management Committee. 4. No action for staff. 5. Refer to Item 6 of report.
4. Safety matters	A utility repair on Darley Road has removed cycle lane markings and left the road surface in an unsafe condition.	Traffic team to inform Urban Services team	Urban services team has been informed.
5. Council's bicycle education program	A report be prepared for the cycle education initiatives in FY2015/16.	Road safety officer to prepare a report back to the STC	A report will be brought back to a later STC meeting when results of RMS funding applications have been received.
6. Installation of bicycle parking along Sydney Road	Proposed installation of U-rails along Sydney Road. The STC proposed that a cycle rack close to ride in workshop cycle shop be considered.	Project sheet has been approved. Staff to consult with affected stakeholders.	Planned for installation by the end of this financial year, subject to consultation with stakeholders.
9. Development of a strategic directional signage system	A plan to be developed to introduce strategic cycle wayfinding information on main cycle routes across the LGA.	Staff to bring back report to the STC	Staff is currently working on this and a progress report will be brought back to the June meeting.

Item	Description	Action	Staff comment
10. Dedicated cycle lane on Wentworth Street	Proposed changes to Wentworth Street cycle lane including green line marking, cycle logos and line marking		Quotations to undertake the works have been sought. Project sheet is being prepared for the GM.
11. Feasibility of BBC to Upper Beach Street cycle route link	Feasibility to implement a cycle route link between the Burnt Bridge Creek cycle lane and Balgowlah Heights was investigated.	Not considered feasible because of width restrictions mainly. Alternative route via Ethel Street be considered to cross Sydney Road.	Staff is currently investigating an alternative route via Ethel Street.
3rd October 2013 - General Business	Safety Audits various crossings	A prioritisation list of pedestrian crossing audits to be presented to a future STC meeting. The STC suggested that the following pedestrian crossing for the safety audits: • Darley Road/Ashburner Street Zebra Crossing; and • East Esplanade/Victoria Parade pedestrian refuge	March 2015 – Request for quotations being prepared December 2014 – Line marking actions from audits to be completed by December 2014.
5 December 2013 – Matters Arising	3. It was reported that the cycle rack at Honolulu Grill (North Steyne) has been removed / damaged and should be replaced.		3. To be actioned by end of financial year 2014/15.
6 February - Matters arising	3. Bollard lighting Lagoon Park cycle route 4. Lighting for Burnt Bridge Creek cycleway		March 2015 – As below December 2014 – Lagoon Park and Burnt Bridge Creek is being considered by the Urban Services team. This item will be reported to an Ordinary Meeting of Council.

ITEM 05 *Bicycle parking installations in the Manly LGA (ITEM 05, 02/04/2015)*

SUMMARY

For Council to note the report on bicycle parking installations in Manly.

REPORT

Recently installed cycle parking

Cycle parking has been installed at a number of locations in and outside the Manly CBD over the last couple of years.

Key locations where demand was observed to exceed supply and as a result, additional parking has been installed (or planned to be installed for this financial year), include the key corridors of Pittwater and Sydney Roads and the Manly CBD. Recently installed bike parking include:

- Pittwater Road corridor – approximately 50 spaces;
- South Steyne – approximately 20 spaces;
- Sydney Road in Manly CBD – 30 spaces;
- Manly Wharf – approximately an additional 50 spaces;
- At Market Lane outside the Library – approximately 20 additional spaces;
- Sydney Road corridor – approximately 25 spaces (planned for this financial year);
- Whistler Street bike cage extension – approximately 25 spaces (planned for this financial year); and
- Raglan Street upgrade – approximately 50 spaces (planned for this financial year).

Planned installations for FY 2015/16

In addition to key areas such as the CBD and key corridors, bicycle parking should also be considered at locations that would further encourage cycle usage, for example within recreational areas such as parks, beaches and sporting facilities and at commuter interchanges. For the next financial year, it is proposed that priority for the installation of bicycle racks is to increase bicycle parking at these types of locations. These include additional racks at:

- the beach front at South and North Steyne;
- Manly Esplanade, close to Manly Ocean World;
- the western end of Manly Lagoon Park;
- Keirle Park west of Pittwater Road;
- Clontarf Reserve;
- Shelley beach;
- Little Manly beach; and
- Belgrave Street bus interchange.

The Sustainable Transport Committee members are invited to comment on the proposed locations and proposed additional locations where bicycle parking should be considered.

RECOMMENDATION

That Council notes the report on bicycle parking installations in Manly.

ITEM 06 *Summary of budget bids and funding applications (ITEM 06, 02/04/2015)*

SUMMARY

For Council to note the budget bids and funding applications related to active transport.

REPORT

The sustainable transport advisory committee asked that information of sustainable transport funding bids be provided to the Committee.

The following funding applications were submitted to the RMS:

- Upgrade of Footpath on southern side of Manly Road between Heaton Avenue and Avona Crescent in Seaforth - \$102,000 in total (100% funding sought);
- Implementation of North Manly PAMP infrastructure - \$93,000 (50% funding sought);
- Upgrade of Bike Plan for the Manly LGA - \$55,000 in total (70% funding sought); and
- Preparation of a PAMP for the Manly LGA - \$61,000 (70% funding sought).

The following internal budget bids were submitted for the FY2015/16 – FY2017/18:

- Upgrade of Footpath on southern side of Manly Road between Heaton Avenue and Avona Crescent - \$50,000 for FY15/16
- Implementation of North Manly PAMP infrastructure - \$250,000 for FY15/16 and 16/17
- Upgrade of Bike Plan for the Manly LGA - \$40,000 for FY15/16 and \$20,000 for FY16/17
- Preparation of a PAMP for the Manly LGA - \$40,000 for FY15/16
- Improvements to existing cycle network - \$180,000 sought for FY15/16 - FY17/18:
 - Provide green surface treatment at key sites on Pittwater and Sydney Road (approx \$10,000);
 - Cycle route intersection treatment – Commonwealth Parade / Access road to Manly Scenic walkway – Threshold hump treatment (Approx \$ 8,000);
 - Re-sheet / green surface treatment for Victoria Parade cycle lane (approx \$40,000);
 - Side road crossing treatments - threshold humps (Approx \$88,000);
 - Strategic cycle route signing (approx \$5,000); and
 - Drainage grate upgrade to cycle friendly grates (approximately \$50,000).
- Additional cycle routes – \$180,000 sought for FY15/16 - FY17/18:
 - A cycle path between Seaforth Oval and Lister Avenue (approx \$60K);
 - On road route between Burnt Bridge Creek and New Street, Balgowlah Heights (approx \$40,000);
 - Cycle connection between West Esplanade and Commonwealth Parade (approx \$20,000);
 - Shared path on Hill Street between Griffith Street and Sydney Road (\$20,000); and
 - On road route on Woodland Street between Lauderdale Avenue and Rosedale Avenue (approx \$40,000).

RECOMMENDATION

That Council notes the information about budget bids and funding applications for active transport.

ITEM 07 *Double decker cycle rack next to information centre at the Wharf (ITEM 07, 02/04/2015)*

SUMMARY

For Council to consider a proposal to install a double decker cycle rack next to the information centre at the Wharf.

REPORT

The double decker cycle rack

The Sustainable Transport Advisory committee requested that council investigate the possibility of installing double decker cycle racks next to the Visitor Information Centre at the Wharf.

Benefits with double decker racks include that they are able to accommodate twice as many racks in the same amount of space. However, because users are required to 'pull out' the bike from the top level of the rack, additional depth is required so that users can access their bikes. Double deckers could also result in more maintenance than other bike racks. An example of a double decker rack is shown in Figure 1.

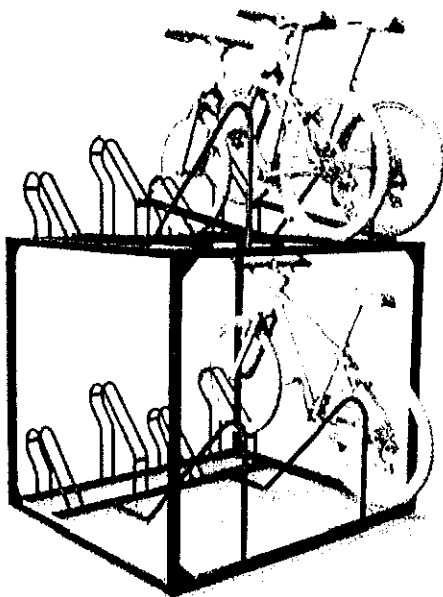


Figure 1: Example of a double decker bicycle rack

The approximate dimensions of a double decker cycle rack for 8 bikes are 1.3m (width) * 1.5m (depth). However, an additional 2.5m is required for a user to be able to pull the bike from the top deck (which results in a total of 4m depth).

Proposed installation of bike rack at the Wharf

A proposed location where three double deckers could potentially be installed is next to the Visitors' Centre as shown in Figure 2. The installation of bike racks at this location would require the removal of the plants and 7 U-rails (parking for 14 bikes).

Three double deckers would provide parking for 24 bikes, which results in a gain of 10 parking spaces (24 proposed – 14 existing) at this location, with the removal of 7 existing U-rails.

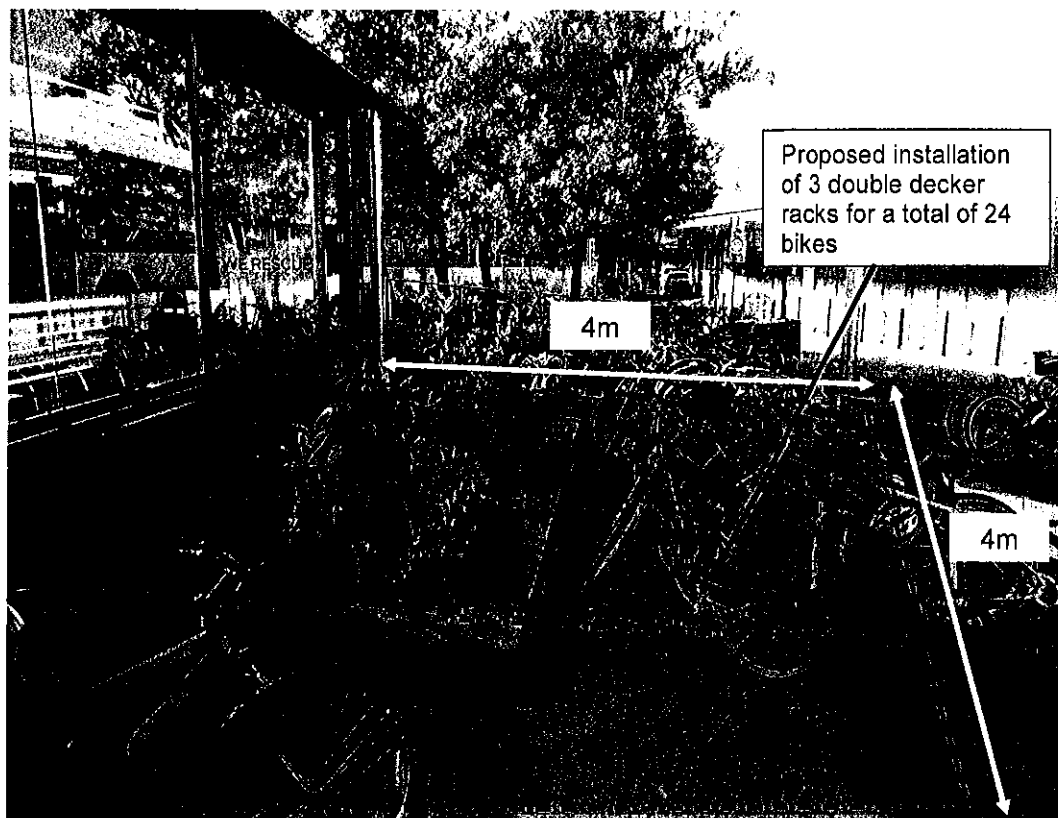


Figure 2: Proposed location for installation of 3 double decker cycle racks behind the Visitors' Centre at the Wharf

RECOMMENDATION

That Council considers the proposal to install a double decker cycle rack next to the information centre at the Wharf.

ITEM 8 Pedestrian and cycling crash statistics report for Manly (ITEM 8, 02/04/2015)

SUMMARY

For Council to note the information on the pedestrian and cycling crash statistics summary report for the Manly LGA.

REPORT

Review of pedestrian and cycling crash statistics

A review has been undertaken of the pedestrian and cycling crash statistics data between 2009 and 2013 in the Manly LGA. A summary of the pedestrian and cycling crashes between 2009 and 2013 and for 2013 separately is shown in Tables 1 and 2.

Table 1: Number of pedestrian and cyclist crashes in Manly in 2013

Type of user	Severity of crash		Total crashes	Number killed/injured		Total killed/injured
	Fatal	Injury		Killed	Injured	
Pedestrians	2	9	11	2	8	10
Cyclists	0	14	15	0	15	15

Source: Traffic Crash Data 2013, RMS February 2015

Table 2: Number of pedestrian and cyclist crashes in Manly from 2009 - 2013

Type of user	Severity of crash		Total crashes	Number killed/injured		Total killed/injured
	Fatal	Injury		Killed	Injured	
Pedestrians	2	57	59	2	57	59
Cyclists	0	68	69	0	67	69

Source: Traffic Crash Data 2013, RMS February 2015

As seen in Tables 1 and 2, no fatal crashes between 2009 and 2013 involved cyclists, while the only two fatal crashes involving pedestrians both occurred in 2013.

Between 2009 and 2013, the number of crashes involving cyclists was slightly higher than the number of pedestrian crashes, with 69 compared to 59 crashes respectively. In 2013, the number of cyclist crashes was 15 compared to 11 pedestrian crashes.

A review of the location of both the pedestrian and cycling crashes in 2013 revealed that there is no specific pattern as to where the crashes occurred, so no clusters of crashes can be identified.

The two fatal pedestrian crashes occurred on Central Avenue and Osborne Road respectively. The crash in Central Avenue involved one vehicles reversing and hitting a pedestrian. The Osborne Road crash involved one vehicle hitting a pedestrian while turning at the Osborne Road / Addison Road intersection.

Black spot funding application

Analysis of crash statistics data between 2008 and 2012 showed that there is a cluster of crashes at West Esplanade near the Eustace Street intersection. Three of these crashes (two in 2008 and one in 2012) involved pedestrians. As a result, black spot funding has been sought from the RMS to install a pedestrian refuge on West Esplanade near Eustace Street in the next financial year.

RECOMMENDATION

That Council notes the information on the pedestrian and cycling crash statistics summary report for the Manly LGA.

ITEM 9 Pedestrian crossing at East Esplanade near Victoria Parade (ITEM 9, 02/04/2015)

SUMMARY

For Council to note the proposal to install a zebra crossing north of the East Esplanade / Victoria Parade intersection, Manly.

REPORT

Council has received a request to investigate the possibility of installing a zebra crossing on East Esplanade, just north of the intersection with Victoria Parade, as shown on Figure 1.

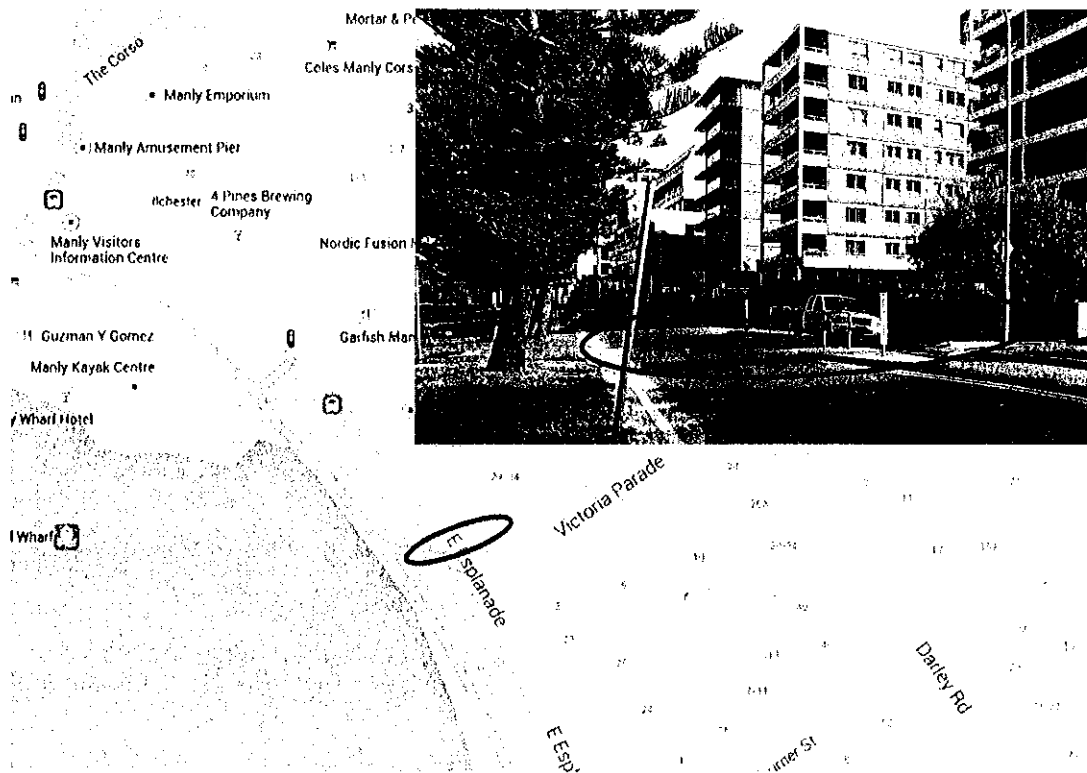


Figure 1: Proposed location of zebra crossing at East Esplanade north of Victoria Parade

Zebra crossing warrants

The following warrants apply for the installation of a pedestrian crossing (RTA Manual of Uniform Traffic Control Devices (AS-1742)):

- The product of measured pedestrian flow per hour (P) and the measured vehicle traffic flow per hour (V) is equal to or greater than 60,000; and
- The measured hourly pedestrian (P) and vehicle (V) flows are greater than 30 and 500 respectively; and
- The measured flows apply for the three periods of one hour in any day.

Traffic flows at the East Esplanade / Victoria Parade intersection

A summary of the two way vehicle flows on East Esplanade (north and southbound north of Victoria Parade) and pedestrian flows (east and westbound at the existing refuge across East Esplanade) is shown in Table 1. The data is based on the three peak hours for vehicle flows on Tuesday 3 February 2015.

Table 1: Pedestrian and vehicle flows at East Esplanade north of Victoria Parade

Time of day (peak hour traffic flows)	Two way flows at refuge		V * P	Meets warrant for zebra crossing
	Vehicles (V) (NB and SB on East Esplanade)	Pedestrian (P) (EB and WB across East Esplanade)		
8.15am - 9.15pm	953	175	166,775	Yes
3.45pm - 4.45pm	826	82	67,732	Yes
4.45pm - 5.45pm	944	128	120,832	Yes

Source: R.O.A.R. data (February 2015)

As seen in Table 1, the warrants for three separate in hours in one day are met for a zebra crossing to be installed where the existing pedestrian refuge is.

It is unusual for a zebra crossing to be installed in combination with a pedestrian refuge because it may result in confusion as to who (the driver or the pedestrian) has got right of way. Should the installation of a zebra crossing proceed, it is therefore proposed that the refuge be removed at the same time.

The proposal will need to be recommended to council by the Manly's Local Traffic Committee.

RECOMMENDATION

That Council notes the proposal to install a zebra crossing north of the East Esplanade / Victoria Parade intersection, Manly.