



NOTICE OF MEETING

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

DATE: THURSDAY, 5th December 2013

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 Sarah Weate

Community Member

Ms Melissa Palermo

Community Member

Council Staff

Mr Ben Hubbard

Manly Council (Traffic & Transport Manager)

Mrs Snezana Bakovic

Manly Council (Transport Planner)

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.

Beth Lawsen

Lisbeth Lawsen
Deputy General Manager
People Place Infrastructure
Manly Council

Deputy General Manager – People, Places and Infrastructure

Date: 28/11/2013



AGENDA

SUSTAINABLE TRANSPORT COMMITTEE

**MEETING TO BE HELD ON THURSDAY 5th DECEMBER 2013 AT 6.30PM
COUNCILLORS' ROOM**

- ITEM 1 Apologies and leave of absence**
- ITEM 2 Declarations of Interest – Pecuniary Non- Pecuniary**
- ITEM 3 Confirmation of minutes**
- ITEM 4 Matters arising / Item tracker**
- ITEM 5 Residential Transport Hubs**
- ITEM 6 Additional Bike Rack at Manly Wharf**
- ITEM 7 Public Bicycle Repair Station Public Cycle Pump**
- ITEM 8 Car share report**
- ITEM 9 Budgets Bid Preparation 2014/2015**
- ITEM 10 Sustainable Transport Committee dates for 2014**
- ITEM 11 General Businesses**
 - **Melissa Palermo- Retro Ride report-Bike Life Festival 2013**
 - **Operation of the Cycle Central parking facility**
 - **Prioritization list of pedestrian crossing audits**
- ITEM 12 Dates for Next Meeting: 6th February 2014**



MINUTES OF MEETING

SUSTAINABLE TRANSPORT ADVISORY COMMITTEE

HELD THURSDAY 3rd October 2013

NOTE: All minutes are subject to confirmation at a subsequent Council or Planning and Strategy Committee meeting.

PRESENT:

Councillors

Cllr Cathy Griffin (Chair)

Manly Council

Cllr Hugh Burns

Manly Council

Other Representatives

Jonathan Gunn

Community representative

Richard Green

Community representative

Melisa Palermo

Community representative

Angelika Treicher

Community representative

Council Staff

Snezana Bakovic

Acting Traffic & Transport Manager

TO THE MAYOR AND COUNCILLORS OF THE COUNCIL

The **Sustainable Transport Advisory Committee** met on Thursday 3 October 2013, to consider the matters referred to it and now provides the following advice to Council.

ITEM 1	APOLOGIES AND LEAVE OF ABSENCE	ACTION
	Mayor Jean Hay Peter Hopper Sarah Weate Angelika Treicher (resign from Sustainable Transport Committee member)	
ITEM 2	DECLARATION OF INTEREST None	
ITEM 3	CONFIRMATION OF MINUTES Minutes of the 6 June 2013 – confirmed	

The Committee reviewed the items on the Committee Item Tracker (Attachment 1). The following comments were made:

- **Item 4 (3rd May 2012) – Alternative bike route to North Head** - The Committee suggested that the map of the alternative cycle route to North Hill should be sent to Manly Bike Tours, Precinct and added onto the Council website. Also, Committee recommended that bike pavement logos should be implemented along the alternative route to improve bicycles safety.
- **Item 4 (2nd August 2012) – Front to kerb parking at Steyne** - The Committee recommended that the Council continue monitoring the 'Front to Kerb' parking at Steyne and act accordingly. This item is complete and does not require future discussion.
- **Item 7– Abandoned Bicycles** - The Committee suggested that Council Rangers take action to put stickers on every abandoned/damaged bicycle prior removal. Cllr Burns suggested that the Council ensure legal right before removal of the abandoned bicycles.
- **Kangaroo Lane shared zone**-The revised scheme is to be prepared and presented to a future STAC meeting. The Committee suggested that the revised scheme should be discussed with Leanne Martin and Precinct before finalization and submission for RMS approval and council budget bid 2014/2015.
- **Safety audits various crossings**-The Committee suggested the following pedestrian crossing for safety audits:
 - Darley Road/Asburner Street Zebra Crossing
 - East Esplanade/Victoria Parade pedestrian refuge

A prioritization list of pedestrian crossing audits is to be presented to a future STAC meeting.
- **Traffic Island – Hill Street pedestrian refuge**-The Committee requested clarification on the schedule of capital works program (2013/2014 or 2014/2015 budget)

- Car Share report- The finalized report is to be presented to next STAC meeting.
- Hop, skip and jump sign - The Committee suggested that a time table should be added on the council website. Cllr Burns asked for the time-table of the Hop, skip and jump operation for the next STAC meeting.
- **Item 8 (6 June 2013)– Cycling parking at the Wharf**-The committee support the Council plan for the removal of damaged Bike Lockers at Manly Wharf. The Council is to send the final notification letter to the Transport for NSW prior the bike lockers removal.

The following was discussed as Matters Arising:

- The Committee suggested that the lighting along Burn Bridge Creek and Manly Lagoon Park cycle routes should be considered to improve utilization and safety of those cycle routes. The low lighting fittings was recommended for consideration. This would require further investigation and would need to be prioritized against the Council's other cycle infrastructure commitments.
- The Committee compliments the Council for Bike Festival effort and excellent organization.
- The Community representative Melissa Palermo is to prepare a report on Retro Ride for next STAC meeting.
- The Committee requested an update on the PUMP for for the next STAC meeting.

ITEM 5

TEM 05: Cycleway Green Surfacing – Darley Road (ITEM 05, 3/10/2013)

ACTION

SUMMARY

STAFF

For General Manager to consider implementation of green bike lane pavement (green painted road surface).

REPORT

The Sustainable Transport Advisory Committee has suggested that

Council consider introducing green pavement to enhance the visibility of bicycle lanes in places where there is a potential for conflict with motor vehicles.

The Council's 2013 / 2014 funding for the cycleway green surfacing is \$10,000. It is proposed that this allocation be used to install green surfacing only along Darley Road (refer to Figure 1). Darley Road bike lane was recommended by STC as a priority cycle link to be green surfaced.

Darley Road provides a local north-west / south-east connection with a dedicated on / off road bike lane between Manly town centre and Sydney Harbour National Park. Bi-directional peak periods' traffic volumes on Darley Road are between 500 and 600 vehicles per hour.

The green pavement would be installed at intersections to increase awareness of the bike lane in the conflict areas and also would help bicyclists to position themselves more accurately when they travel across intersections as well as on the transitions between off- road and on-road bike lanes.

The experience learned from the City of Sydney is that painting cycle lines green in their entirety is excessively expensive, loses the impact of painting critical sections and has considerable on-going maintenance costs. The City of Sydney does not recommend green surfacing other than at critical locations.

The green painting would be installed in accordance to Austroads' Guide to Traffic Engineering Practice, Part 14-Bicycles (Section 9.7.Pavement Surface Colour); NSW Bicycle Guidelines and RMS' QA Specification R110 - the specification for materials used for colored surface coatings for bus lanes and bike lanes.

The specification for the green surfacing requires a higher quality material than is used for line markings. This is to ensure the material has a reasonable life span and to provide good grip / skid resistance.

DISCUSSION

The Committee agreed with the proposed recommendations

RECOMMENDATION

That the General Manager consider and approves:

- Implementation of the green surfacing at the intersections along Darley Road;
- Undertaking the monitoring and a review of safety on the other bike routes within the Manly LGA, to determine a need for the additional green surfacing to improve the visibility of bicycle lanes in complicated road environments.

ITEM 6**ITEM 06: Residential Transport Hubs (ITEM 06, 1/8/2013)****SUMMARY**

For General Manager to consider installing a trial Residential Transport Hub within Addison Road and undertake monitoring to assess user behavior patterns.

REPORT

Council will recall that the STC has proposed a concept for improving the uptake of active and sustainable travel by introducing "Residential Transport Hubs" that would co-locate bus stops, cycle facilities, travel information and potentially in the future car share parking spaces.

To assess the benefit of this concept it is proposed to undertake a trial of a Residential Transport Hub outside Number 99 Addison Road (refer to Figure 1). The trial will consist of installing a pair of cycle hoop stands, a 'Hop Skip Jump stop' sign and an active travel / sustainable travel information board.

The trial site will be monitored and a survey of users will be undertaken. The information from the trial would then be used to inform the development of the residential transport hub concept.

DISCUSSION

The Committee agreed to refer the report to the next STAC meeting scheduled for 5th December 2013.

RECOMMENDATION

That the General Manager consider and approves:

- Implementation of a trial Residential Transport Hub by installing two cycle hoops, a Hop Skip Jump stop sign and a active and sustainable travel information board in Addison Road.
- Monitoring the trial and undertake a user survey to assess the Residential Transport Hub concept.

ACTION

STAFF

ITEM 7**ITEM 07 Bicycle Traffic Count - Permanent count sites (ITEM 07, 1/8/2013)****I****SUMMARY**

For General Manager to consider installing a permanent cycle counter on the North Steyne shared cycle path to monitor the long

term growth in cycling.

REPORT

Understanding the seasonal changes in cycle volumes and the long term trends in cycle growth is important to planning future cycle infrastructure. To monitor the growth in cycling over the long term it is proposed to install a permanent cycle count site on the North Steyne shared cycle path. This path is a key spine route connecting Manly CBD with Queenscliff. The route is well used by cyclists so counts in this location are likely to be representative of cycle growth within the wider conurbation.

Being able to demonstrate cycle growth and likely future cycle demand will allow Council to better plan for future cycle needs and to demonstrate to external funding bodies the cycling needs of Manly.

Funding for a cycle counter would be provided from traffic monitoring component of the Roads and Maritime Services block grant.

DISCUSSION

The Committee discussed the item and agreed with the recommendations. Also, the Committee asked for the clarification of the type of permanent bike counter and possible additional counter locations.

RECOMMENDATION

That the General Manager considers and approves further investigate options to install a permanent cycle counter on the North Steyne.

ITEM 8

ITEM 08 Update on preparation of the car share report (ITEM 08, 1/8/2013)

SUMMARY

For General Manager to note the work being undertaken for the preparation of a report into the likely impacts and benefits of providing dedicated 'Car Share' parking spaces on street.

REPORT

Car share parking spaces have been installed in many urban Council's across Sydney. These provide dedicated parking that aid the operation of car clubs and car share schemes.

The car share concept allows residents of an area to buy in to the shared ownership of a vehicle (or fleet of vehicles). Members pay an annual fee and a fee each time they use a vehicle. In many areas car

share schemes are provided a dedicated parking space on-street to aid the operation of the scheme.

Council's traffic and transport staff are investigating the benefits and likely impacts that could result if dedicated car share spaces are to be introduced in residential areas within Manly. These investigations will inform a car share parking space report that will be brought to the STAC for consideration.

The investigations are underway and include:

- Undertaking parking occupancy surveys in streets where the current car share provider, GoGet, operates in Manly. These occupancy surveys will give a clear indication of the likely impact on current residential parking overnight; and on commuter / other user parking during the day.
- Undertaking a parking inventory review in streets where GoGet operate to see if additional kerb space can be provided by introducing marked parking bays or reconfiguring parking restrictions. This to mitigate any loss of parking from introducing shared car parking spaces.
- Undertaking a comparative study of car ownership / household density, based on Australian Bureau of Statistics (ABS) census data. This comparative study will evaluate whether Manly has potential to reduce car ownership and increase active and sustainable travel by embracing car share and providing dedicated parking spaces.
- Evaluating membership data from GoGet to determine the locations most in need of dedicated on-street car share parking, the level of demand and frequency of use. This to demonstrate whether dedicated car share spaces would be a good use of the kerb side road space.

Any dedicated car share space provided by Council would need to be marked and signed in accordance with the Roads and Maritime Services approved standards. Any change to parking and the introducing car share parking spaces would need to be recommended by the Manly Local Traffic Committee and endorsed by Council.

DISCUSSION

The Committee discussed the item .The final car share report is to be presented on the next STAC meeting.

RECOMMENDATION

That the General Manager considers and approves the ongoing work being undertaken to prepare a car share parking space report.

GENERAL BUSINESSES

- The Committee accepted Ms Angelika Treichler's resignation from STAC Community representative.
- The Committee compliments the Council for Bike Festival effort and excellent organization.
- The Community representative Melissa Palermo is to prepare a report on Retro Ride for next STAC meeting.

NEXT MEETING DATE :

Date: 5 December 2013
Time: 6:30pm – 8:30pm
Venue: Town Hall , Councillors Room

Meeting started at 18:40

Meeting closed at 20:40

ITEM 04: Matters arising / Item tracker

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

Item	Description	Action	Staff comment
3 May 2012 – Item 4	Alternative route to north head	Implement signed cycle route.	Route is scheduled to be installed in January 2014.
	Abandoned Bicycles	Abandoned/damaged stickers to be used prior the removal of abandoned/damaged bikes. Provide councils policy on abandoned bicycles.	The compliance manager has been reminded of the need to remove abandoned bikes at the Wharf - Closed
	Car share report	Staff to return a report on car share within Manly LGA.	Car share report to be taken to Council as per resolution 119/13. Item 8 provides some further background on car share.
7 February 2013 – ITEM 7	General Business		
	Residential Transport Hubs	Report to be returned regarding the proposal of Residential Transport Hubs.	December – Report referred from the October STC meeting. Refer to Item 5 in the agenda.
11 April 2013 – ITEM 7	General Business		
6 June 2013 – ITEM 8	Cycle parking at the Wharf	Implement actions to address cycle parking issues at the wharf.	Additional parking at Wharf is scheduled to be implemented February 2014. Refer to Item 6
3rd October 2013-General Business	Safety Audits various crossings	A prioritization list of pedestrian crossing audits to be presented to a future STAC meeting. The STC suggested that the following pedestrian crossing for the safety audits: - Darley Road/ Asburner Street Zebra Crossing; - East Esplanade/Victoria Parade pedestrian refuge	Audits will be undertaken as resource permit.

REPORTS

ITEM 05: Residential Transport Hubs (ITEM 05, 5/12/2013)

SUMMARY

For the General Manager to consider installing a trial Residential Transport Hub within Addison Road and undertake monitoring to assess user behavior patterns.

REPORT

Council will recall that the STC has proposed a concept for improving the uptake of active and sustainable travel by introducing "Residential Transport Hubs" that would co-locate bus stops, cycle facilities, travel information and potentially in the future car share parking spaces.

To assess the benefit of this concept it is proposed to undertake a trial of a Residential Transport Hub outside Number 99 Addison Road (refer to Figure 1). The trial will consist of installing a pair of cycle hoop stands, a 'Hop Skip Jump stop' sign and an active travel / sustainable travel information board.

The trial site will be monitored and a survey of users will be undertaken. The information from the trial would then be used to inform the development of the residential transport hub concept.

RECOMMENDATION

That the General Manager approves:

- Implement a trial Residential Transport Hub by installing two cycle hoops, a Hop Skip Jump stop sign and a active and sustainable travel information board in Addison Road.
- Monitor the trial and undertake a user survey to assess the Residential Transport Hub concept.



Figure 1: Proposed location of trial Residential Transport Hub

ITEM 06 Additional Bike Racks at Manly Wharf (ITEM 06, 5/12/2013)

SUMMARY

For General Manager to consider installing high density bike racks at location of the removed bike lockers at Manly Wharf.

REPORT

The damaged bike lockers, at the Wharf, have been recently removed by Transport of NSW. The removal of the bike lockers provides the additional space of 3.9 metres for bike racks.

Council's traffic and transport staff are investigating the best solution to utilise this space for the bike parking purpose. In this location high density bike racks are the most appropriate solution as they provide the maximum amount of cycle parking in the minimum amount of space. This is a high demand area for cycle parking.

The following high density bike racks are under consideration and if approved, are planned for installation by the end of February 2014:

- Compact Bike rack 4 bike capacity (refer to Figure 1)
- 'Double Decker'- Compact bicycle rack 8 bike capacity dual height (refer to Figure 2) and

Cost implications / Value for money

Three high density compact bike racks, similar to those currently installed to the east side of the wharf, could be installed providing 12 bike parking spaces at an approximate cost of \$3,000.

Two double decker racks could be installed within the 3.9m space. These racks would provide 16 cycle parking spaces at an approximately cost of \$8,000.

It is therefore recommended that compact bike racks are installed as they represent better value for money.

It is also recommended that further sites for cycle parking at the wharf be investigated at this is still a location that has some pressure for cycle parking.

RECOMMENDATION

That the General Manager approves installation of additional compact bike racks at Manly Wharf.



Figure 1: Compact bike racks

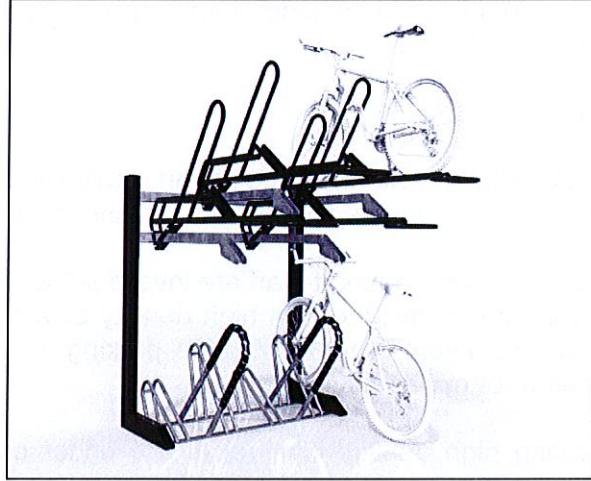


Figure 2: Compact double decker bicycle rack

ITEM 07 Bicycle Public Repair Station and Public Cycle Pump (ITEM 07, 5/12/2013)

SUMMARY

For the General Manager to consider the installation of a public bicycle repair station at Lagoon Park and a vandal resistant cycle pump at the Wharf.

REPORT

With the continued growth in bicycle use there is a need to provide some public cycle repair stands. These provide a basic facility that allows cyclists to maintain their bicycle and are likely to reduce the amount of abandoned damaged bicycles.

It may be feasible to install a trial public cycle repair stand adjacent to the existing cycle racks in Lagoon Park. A bicycle repair station has an approximate cost of \$1,000 installed (refer to Figure 1).

The Wharf is a central hub for a large number of cycle journeys. Cyclists need few facilities but benefit greatly from easy access to water and air. There are no public bicycle air pumps in Manly.

Providing a pump at the wharf would likely be a much welcomed addition to the current cycle infrastructure.

A cycle pump could be located adjacent to the proposed cycle racks replacing the now removed cycle lockers. A vandal resistant cycle pump has an estimated cost of \$500 installed (refer to Figure 2).

RECOMMENDATION

That the General Manager considers installing a bicycle repair station in Lagoon Park and an air pump at the wharf.

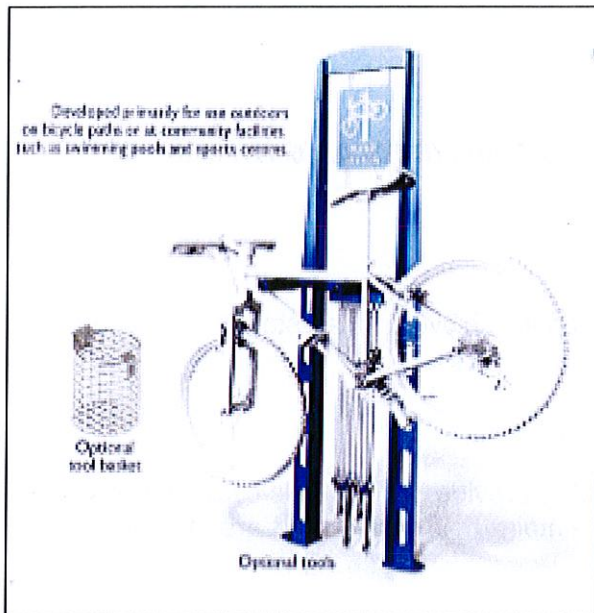


Figure 1 Public Bicycle repair station

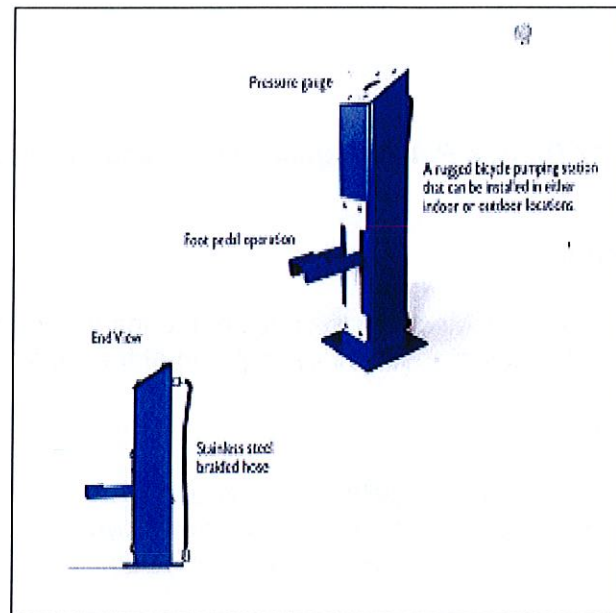


Figure 2 Public bicycle pump

ITEM 08 Car share report (ITEM 08, 5/12/2013)

SUMMARY

For the General Manager to note.

REPORT

A report on the feasibility and implications on residential parking will be returned to Council in accord with Council resolution 119/2013 which resolved:

That staff prepare a report on the feasibility and implications for residents of adopting a car sharing policy for the Manly LGA using examples such as Waverley and the City of Sydney Car Sharing Policies as examples.

This report provides some additional background for the STAC members on the viability of car share in Manly.

Background

Car share is promoted as a convenient and cost effective alternative to private car ownership. It complements, rather than competes with, sustainable transport and can contribute to reducing private vehicle use and parking demand.

Car share schemes allow users to hire a car on a short term basis from a few hours to several days (generally for less than 4 days). The key feature that differentiates car share from car hire is that to use a car share vehicle a user must sign up to a car share club and pay a membership fee. Members effectively buy in to the ownership of a car which they can use on demand usually booking the vehicle via the internet or via a telephone booking system (the booking system must be available 24hours a day).

Car sharing has been operating successfully in NSW for a number of years. The Councils which already provided some of their parking facilities for car sharing include:

- City of Sydney Council;
- Marrickville Council;
- Waverley Council;
- Leichardt Municipal Council;
- Parramatta City Council;
- North Sydney Council;
- Canada Bay Council;
- Mosman Council;
- Randwick Council ;and
- Willoughby Council

Each of these councils has provided a different amount of on-street and off-street parking for use by car share clubs. All have set similar car share policies to manage the use of public parking for car share. Many of the provisions within car share policies are standard conditions required by the Roads and Maritime Service.

The need for car share in Manly

To understand whether the Manly LGA has the potential to achieve reduced car ownership and increased active and public transport, through providing dedicated on-street car share parking spaces, a comparative study has been undertaken using 2011 census data (refer to Attachment A).

This comparison has looked at the residential, business and population density, travel to work method and car ownership for several of the metropolitan areas currently providing dedicated car share spaces on-street. Some key highlights from the data include:

- Manly ranks 17th out of all metropolitan areas in terms of residential density (see Attachment A). This is significantly lower than the City of Sydney, North Sydney and Waverley Council (which rank 1 to 3 respectively). The lower residential and business densities of Manly mean that car ownership is more viable and attractive. This in turn is likely to be a restraint to the adoption of car share. Manly does not have the same transport pressures as the City of Sydney, North Sydney and Waverley.
- Manly has a lower number of homes with no cars and a greater number of homes with 2 or more cars than the City of Sydney, North Sydney and Waverley (see table 2). This suggests that providing dedicated car share spaces would be servicing a small percentage of our population and may in the short term increase the number of car trips and increase parking demand. Longer term there is a greater potential to free up kerbside parking by reducing second and third car ownership (however, this is likely to be driven more by cost factors than improved convenience to public transport and the availability of car share).
- Manly has a similar journey to work profile as Mosman with approximately 41 percent of users travelling to work by car. Public transit between Manly in the city is frequent and accessible. However, other destinations are not as attractive by public transit and so travel mode change and reduced car ownership are unlikely to be driven solely by public service improvements or the provision of services such as car share.

The data would suggest that Manly does not share the same travel demand characteristics as the City of Sydney, North Sydney or Waverley. Manly is better compared with Mosman who currently provide 5 car share parking spaces on-street. These spaces are well used and observations of one space suggest that the space is often vacant – suggesting the scheme is a success.

Manly has an affluent population and high car ownership / car use. This high car ownership in turn creates a high demand for parking. Car share may contribute to reducing car ownership in the long term. However, in the short term providing dedicated car share parking spaces is likely to increase parking pressures in those areas with greatest demand. This is because car share is mostly of use to residents without access to a car (about 12% of our households, this includes a percentage of residents who can't or who choose not to drive).

Existing car share schemes in Manly

Car share schemes have been operation in Manly since 2007 when a tender was awarded to Flexi-car with Council providing several parking spaces off street for the use of this scheme.

Flexi-car has since been acquired by "Hertz 24/7" who have removed all their vehicles from Manly and moved them to the city.

Currently, the only car share scheme operating in Manly is managed by the Company GoGet who operates 20 vehicles without dedicated parking spaces. According to GoGet, the scheme has nearly 700 member in Manly with approximately 100 corporate "business use" members (approximately 13% of members). Membership in the GoGet car share scheme has been growing steadily for the past 3 years (see also Appendix1).

The Go Get car share scheme in Manly currently has vehicles based within the following locations: Victoria Parade; Central Ave Car Park; Asburner Street; Quinton Road (at the corner of Raglan Rd); Darley Road; Steinton Street; Addison Rd; Wood Street.

As dedicated spaces are not currently provided on-street in Manly, GoGet say that they ensure there is parking available by:

- renting privately owned spaces
- utilising unused residential permits from members in Manly
- placing cars on-street in areas without parking restrictions

The lack of dedicated parking spaces in Manly causes some inconvenience to GoGet parking scheme members as the vehicles often need to be returned to different locations from where they were collected. This means that members will sometimes have to spend some extra time driving around at the end of their booked time, searching for a parking spot, and the car will not always be where it is expected by the following member at the start of their booking, which considerably reduce the convenience in the service. Despite these issues GoGet car share in Manly has increased its membership steadily for the past 3 years.

GoGet has requested to have dedicated car sharing parking spaces in Manly. Ideally these dedicated car sharing spaces would be within the Manly CBD and so also readily accessible by public transport.

Priority of parking spaces

The Roads and Maritime Service recommends that councils considering providing car share parking spaces on-street should formalise an on-street parking strategy that reflects generic land uses such as residential, commercial and retail. This strategy would provide guidance to decision makers on where car share spaces fit within the competing demands for road space.

Parking Impact of providing dedicated car share spaces

Dedicated car share parking spaces usually require approximately 6m of kerb-side road space. It is usual to place these spaces close to intersections (not within the 10m no stopping).

Where practical car share spaces should be located adjacent to commercial or public buildings or land so to minimise the impact on residential properties. Car share parking spaces have to be available to car share schemes 24 hours a day and so any space dedicated to car share is no longer available for general use.

All the areas where car share vehicles are currently located are in high demand by residents and visitors.

Conclusions

1. Car share has been shown in areas such as the City of Sydney, North Sydney and Waverley to complement public transport and, in the long term, assist to reduce car ownership and thus reduce car use.
2. The City of Sydney, North Sydney and Waverley are ranked 1st to 3rd in terms of population density and thus transport and parking pressures. Manly is ranked 17th and Mosman 10th. The inner city areas have far greater population density which makes car ownership unattractive and very good public transport which makes car ownership less necessary. This is not the same as the transport situation in Manly.
3. Manly has a high proportion of households who own 2 or more cars. This reduces the need for car share and suggests that in the short term dedicated car share spaces would increase parking pressures.
4. The GoGet parking scheme in Manly would benefit from dedicated parking spaces on-street as these would reduce the traffic circulation of GoGet members seeking a suitable space and thus make the service more attractive. However, any provision of dedicated parking spaces by Council on-street would reduce the parking supply available to residents and visitors in streets that currently have among the highest parking demand in the LGA.
5. The GoGet scheme in Manly appears to be growing in use. This despite the lack of dedicated parking facilities provided by Council to assist the scheme. It is thus not clear what additional benefit to the community dedicated spaces would provide as the scheme appears to function adequately without.
6. A way forward may be for Council to adopt a car share policy and consider a trial 'car share' parking space:
 - a dedicated car share parking space is provided on-street at a trial location, subject to the car share policy requirements being met and on the recommendation of the Traffic Committee;
 - The space be provided at an annual cost to the car share operator and that the costs of installing a car share space be recovered from the operator.
 - that the implementation of the trial be subject to the car share operator providing a trial evaluation report after 12 months that clearly demonstrates, against criteria set by council, the benefits to the community, and not just to members of the scheme (demonstrable benefits could include a local reduction in car ownership). This trial will also give Council the opportunity to evaluate public opinion to dedicated car share parking on-street.

RECOMMENDATION

That the General Manager notes the above report and that a car share report is to be prepared for Council.

ITEM 9 Budgets Bid Preparation 2014/2015 (ITEM 9, 5/12/2013)

SUMMARY

For General Manager to note the capital projects that are a priority for the Sustainable Transport Advisory Committee

REPORT

Several Projects have been identified by the Sustainable Transport Committee as priorities for funding in 2014/2015. For each of these projects a budget bids needs to be prepared and submitted as part of the budget process. The projects are shown in Table 1.

In addition, the whole list of the budgets which haven't been included in the Capital Budget 2012/13 would be included for the projects bid 2014/15.

The Sustainable Transport Committee is to review all project lists and to prepare the priority advice for the funding bid 2014/15.

The draft list of all projects for funding bid 2014/15 is shown at table1, at Appendix B.

Description	Budget 2014/15	Comments
Kangaroo Lane shared zone	\$30,000	Revised scheme to be prepared and signed off by RMS prior project bid.
Cycle route connection between Balgowlah Heights and Burn bridge creek	\$40,000	Project identified by STC – Project needs investigation and design.
Shared path on east side of Balgowlah Road between Kenneth Road and Pittwater Road	\$25,000	Project identified by STC. Project would require investigation and design.

Table1- Sustainable Transport draft Project Priorities for 2014/2015 funding

RECOMMENDATION

It is recommended that General Manager notes the Sustainable Transport Advisory committee's funding priorities for funding in 2014/15.

ITEM 10 Sustainable Transport Committee Dates for 2014 (ITEM 10, 5/12/2013)

1. INTRODUCTION

Below are proposed meeting dates for the Sustainable Transport Advisory Committee for 2014.

2. INFORMATION

The following table sets out the proposed meeting dates for the Sustainable Transport Advisory Committee meetings for 2014. The meetings have been scheduled bi monthly for the first 1st Thursday of the month, meeting to commence at 6.30pm, Manly Town Hall, 1 Belgrave Street, Manly and will run for a maximum of 2 hours, as per the current meeting schedule.

Jan 2014	Feb 2014	Mar 2014	April 2014	May 2014	June 2014	July 2014	Aug 2014	Sept 2014	Oct 2014	Nov 2014	Dec 2014
	6		3		5		7		2		4

3. RECOMMENDATION:

That committee members note the proposed dates for 2014

Appendix

Appendix A – Comparative data for Car Share report

Appendix B -Draft List of all projects for project bid 2014/2015

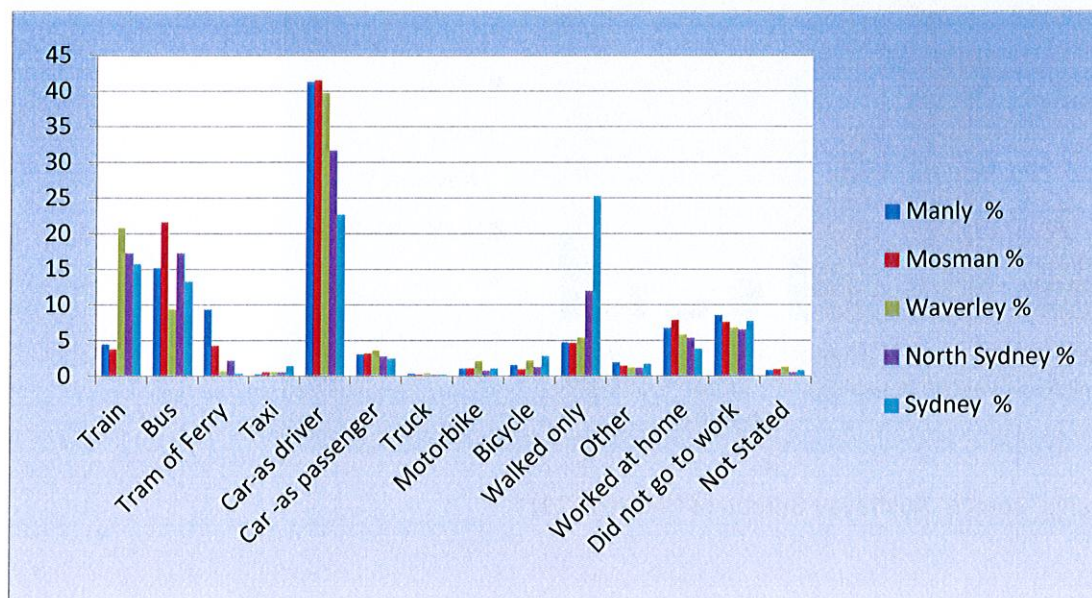
Appendix A- Comparative data for Car Share report

Council	Residential Density		Business Density		Population Density	
	Per sq km	Rank	Per sq km	Rank	Per sq km	Rank
Sydney City Council	3,134	1	669	1	6,664	2
North Sydney Council	3,110	2	347	2	6,087	3
Waverley Council	2,983	3	192	4	7,426	1
Mosman Municipal Council	1,432	10	69	19	3,307	15
Manly Council	1,195	17	78	14	2,843	18

Table 1: The lists of Local Government areas sorted by Residential Density, Business Density and Population Density

Method of Travel to work	Council area					
	Manly	Mosman	Waverley	North Sydney	Sydney	
	%	%	%	%	%	%
Train	4.5	3.8	20.8	17.3	15.8	
Bus	15.2	21.6	9.4	17.3	13.3	
Tram or Ferry	9.4	4.3	0.7	2.2	0.4	
Taxi	0.3	0.6	0.6	0.6	1.5	
Car-as driver	41.3	41.5	39.7	31.7	22.7	
Car -as passenger	3.1	3.2	3.6	2.8	2.5	
Truck	0.4	0.2	0.4	0.2	0.2	
Motorbike	1.1	1.1	2.1	0.8	1.1	
Bicycle	1.6	1.0	2.2	1.3	2.9	
Walked only	4.8	4.7	5.4	12.0	25.3	
Other	2	1.5	1.2	1.2	1.8	
Worked at home	6.8	7.9	5.8	5.4	3.9	
Did not go to work	8.6	7.6	6.8	6.6	7.8	
Not Stated	0.9	1.0	1.3	0.6	0.9	
Total employed person age 15+	100.0	100.0	100.0	100.0	100.0	

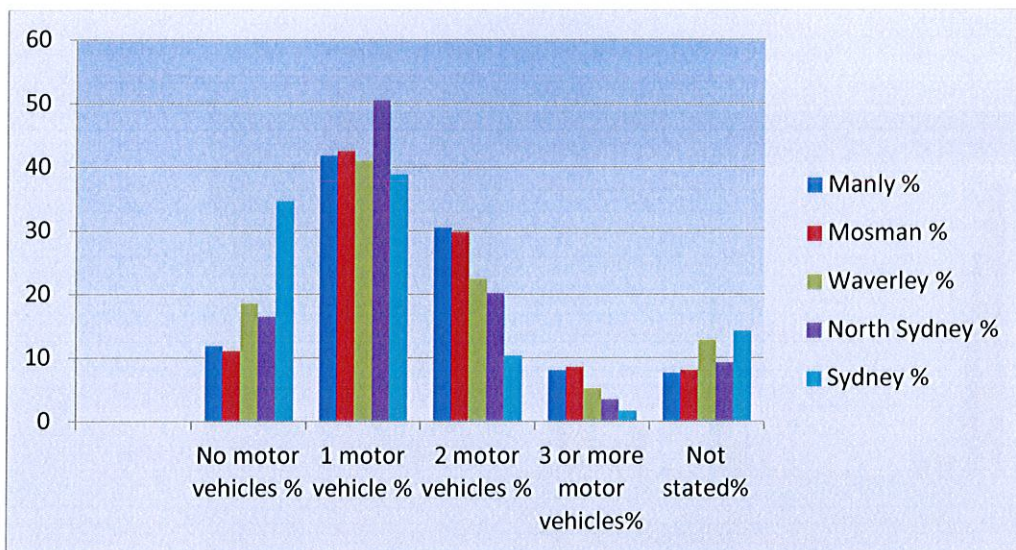
Table 2: Method of Travel to Work, source Australian Bureau of Statistics, Method of Travel to work 2011.



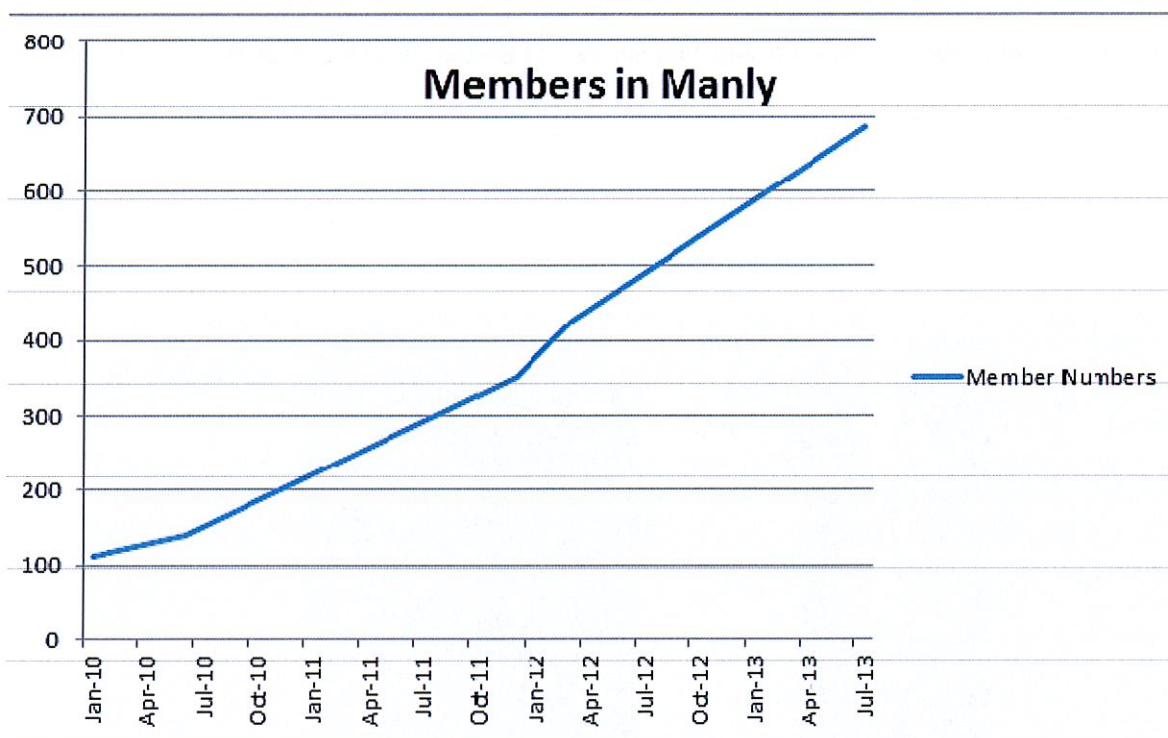
Graf 1: Method of Travel to Work, source Australian Bureau of Statistics, Method of Travel to work 2011.)

Car ownership					
Council area	Manly	Mosman	Waverley	North Sydney	Sydney
Number of cars %	%	%	%	%	%
No motor vehicles %	11.9	11.1	18.6	16.5	34.7
1 motor vehicle %	41.8	42.5	41.0	50.5	38.9
2 motor vehicles %	30.5	29.8	22.4	20.2	10.4
3 or more motor vehicles%	8.1	8.6	5.2	3.5	1.7
Not stated%	7.7	8.1	12.8	9.3	14.3
Total households	100.0	100.0	100.0	100.0	100.0

Table 3: Car Ownership -source: Australian Bureau of Statistics 2011.



Graf 2: Car Ownership -source: Australian Bureau of Statistics 2011.



Graph 3: Go Get member growth in Manly between the start of 2010 and Jul 2013 -source: Go Get 2013

Appendix B-Draft List of all projects for project bid 2014/2015

	Project Description	Comment	Total Estimated Cost
	<u>New cycle routes</u>		
1	Cycle link between Balgowlah Road and Kenneth Road through LM Graeme Reseve	Project identified by STC. Would require investigation and design. To be returned to STAC.	\$ 25,000.00
2	Seaforth cycle link - Seaforth Oval to Lister Avenue	Identified by audits. Needs investigation and design.	\$ 60,000.00
3	Cycle link - Balgowlah Heights and Burnt Bridge Creek	Identified by STC. Project would require investigation and design. Route options to be returned to STAC.	\$ 40,000.00
4	Connection between East Esplanade / Commonwealth Parade Shared Path	Staff identified missing cycle network link. Requires investigation and design. Options to be returned to STAC	\$ 20,000.00
5	Hill Street connection between Griffith Street and Sydney Road	Identified by Cycle route user audits - needs detailed design and	\$ 20,000.00
6	Woodland Street connection between Lauderdale Avenue and Rosedale Avenue	Needs investigation and design. Options to be returned to STAC.	\$ 40,000.00
		SUB TOTAL	\$ 205,000.00
	<u>Cycle route improvements</u>		
1	Green paint surface - key sites (sites along Pittwater and Sydney Road) approximately 10 sites (12m x 2 m x 40 per m2 = 960 say \$1000 per site * 10 sites)	Project identified by STC - this project will require approval of the RMS.	\$10,000
2	Cycle route intersection treatment - Commonwealth Parade / Commonwealth Parade access road to Manly Scenic Walkway	Project identified by STC - needs investigation and design. Design Option to be returned to STAC.	\$ 3,000.00
4	Resheeting / Green surfacing - Victoria Avenue bike path reseating = 40m2 * 200m*2.5m = 20,000 + green surface treatment @ 40m2 x 200*2.5 = 20,000	Project identified by STC - would need to be investigated by Urban Services	\$ 40,000.00
6	Side road crossing treatments - Lauderdale Avenue shared path (11 sites @ \$3,000 per site) treatment could include coloured road , additional signs	Project identified by staff. Requires detailed design. Options / proposals to be taken for future STAC.	\$ 33,000.00
7	Strategic cycle route direction signs (\$500 per sign * 10 signs)	Project identified by STC. Options / proposal to be taken to a future STAC.	\$ 5,000.00
8	Drainage grate upgrade program . To provide cycle friendly drainage grates	sites to be identified. Cost not identified	\$ 50,000.00
		SUB TOTAL	\$91,000
	<u>Cycle racks and end of trip facilities</u>		
1	Manly surf club (upgrade cycle racks - 6 high density racks)	STC cycle parking priority - needs investigation	\$ 6,000.00
2	Manly Lagoon Park (upgrade cycle racks - 6 high density racks)	Site identified by staff	\$ 6,000.00
3	Shelly Beach (upgrade cycle racks - 4 high density racks)	Site identified by staff	\$ 4,000.00
6	Public cycle repair stations - Locations to be confirmed (approx \$25,000 each). Locations could include LM Graeme Reserve, Ocean Beach, Kerlie Park. Repair station include bike stand and tools and vandal proof air pump.	Project identified by staff - needs investigation / design	\$ 50,000.00
9	Cycle and ride facilities - bike racks , cctv or cycle lockers at locations close to express and limited stop bus stops (say 2 sites with 10 lockers each @ \$1,000 per locker + \$2,000 for signs)	STC identified project . Requires detailed investigation and design	\$ 32,000.00
10	Residential transport hubs	requires further investigation and sites to be identified. Estimated cost of 1,000 per site say 5 sites = \$ 5,000	\$ 5,000.00
11	Cycle racks on Corso (8 racks , 4 on either end)	STC identified project. Proposal would require detailed investigation and design	\$ 8,000.00
		SUB TOTAL	\$ 111,000.00

Campaigns			
1	bike week 2014	funded via community safety budgets	\$ 1,000.00
2	Update cycle route maps (cost dependent on quality of map @ 60c per map for 2000 maps = \$1,200) + artwork cost say \$ 500	STC identified project. Maps would need to be revised and costs of printing investigated further.	\$ 1,500.00
4	Regional walking maps contribution	Regional walking maps have been developed. The continued development is contingent on support from coastal councils. Manly's contribution would be \$3,000	\$3,000
		SUB TOTAL	\$ 5,500.00
Pedestrian crossing			
2	Balgowlah Road (nr Swim centre) - zebra crossing	Traffic committee identified project - requires additional design and consultation	\$15,000
3	Balgowlah Road (nr Hill Street) - pedestrian refuge island	Traffic committee identified project - requires design / consultation	\$10,000
4	Kenneth Road (nr Swim Centre / LM Graeme Reserve) - Zebra Crossing	Traffic committee identified project - requires design / consultation	\$15,000
5	Balgowlah Road (nr Golf Parade) - Zebra Crossing	Traffic committee identified project - RMS does not support without and Area wide PAMP (funding bid applied for)	\$15,000
2	Pedestrian Access and Mobility Plan - Area around Pittwater Road / Balgowlah Road roundabout	RMS approved the 50% fund. Awaiting on the Council 's 50% fund approval. PAMP to be prepared by consultant	\$ 40,000.00
3	PAMP manly wide	RM Approved the 50% fund. Awaiting on the Council 's 50% fund approval. PAMP to be prepared by consultant	\$ 80,000.00
		SUB TOTAL	\$ 180,000.00
Local Area Traffic Management (LATM)			
	Kangaroo Lane Shared Zone	STC identified project . Consultation undertaken , consultation results to be taken to LMTC for consideration.	\$ 30,000.00
		SUB TOTAL	\$ 30,000.00
		GRAND TOTAL	\$ 647,500.00

ATTACHMENT 1

Sustainable Transport Advisory Committee Item Tracker

Table 1 – STAC item tracker

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

Item	Description	Action	Staff comment
3 May 2012 – Item 4	Alternative route to north head	Implement signed cycle route.	September - Works order prepared. Not undertaken in July due to other work commitments. To be implemented in October 2013. June - Works order to be prepared. To be implemented in June 2013.
2 August 2012 – Item 4	Front to kerb parking Steyne	Item to be referred to Traffic Committee.	September - Additional surveys are being undertaken. Item to be returned to a future STAC. June - Further surveys of front in / rear in parking will be undertaken. Surveys undertaken in 2012 suggested that only a very small number of vehicles park rear in. changing all the signs to make front in enforceable therefore not good value.
2 August 2012 – Item 6	Cycle and Walking safety	All maintenance issues to be passed directly to Council via 'records'.	June – Complete.
2 August 2012 – Item 7	General business		

Item	Description	Action	Staff comment
	Abandoned Bicycles	Provide councils policy on abandoned bicycles.	September - suitable text regarding the removal of abandoned bicycles from public space is being prepared. It should be on the council website by end of September 2013. June - Policy not required as Council follow legal process.
	Kangaroo Lane shared zone	Action proposal for Kangaroo shared zone.	September – scheme not funded for 2013/2014. However, the scheme needs to be revised following consultation and will require sign off from the RMS. Revised scheme to be prepared and budget bid prepared for 2014 / 15. June - Consultation returns to be reported to traffic committee. Community has mixed support. Precinct forum not in support. Scheme subject to Capital funding 2013 /14.
	Safety audits various crossings	Staff to undertake road safety audits at various crossings in the CBD.	September- Safety Audits are schedule for October/November 2013. June - Audits will be undertaken as resources permit. These audits are not a priority as the sites do not have an accident history and are within a low speed environment.
	Car share report	Staff to return a report on car share within Manly LGA.	September - report preparation ongoing (see also Item 8 of agenda). June Report to be prepared.
	Hop, skip and jump signs and budget report	Information to be provided about Hop Skip and Jump budgets and spend.	June - Information provided to Chair – Complete.

Item	Description	Action	Staff comment
	Bike thefts	No action.	June – Complete.
	Gas works cycle signage	Investigate removal of no cycling in the Gasworks park at Little Manly.	September – The No Cycling restriction at Manly Point reserve is a restriction common to other parks in Manly. The issue has been referred to the Public Domain Committee, who oversees this type of space, for their consideration. Complete. June - to be investigated.
	Marine Parade	Consultants brief to be forwarded to STAC for comment when available.	Changes to the Marine Parade are being progressed through the Public Domain Committee. Complete.
	Traffic island – Hill Street	Request for a pedestrian refuge at Hill and Balgowlah Road.	September -Item added to capital works program. June - Item to be added to capital work program. Complete.
	Google Maps cycle route	Staff add cycle routes to Google maps.	June - Item passed to Councils GIS team to be progressed as recourses permit – Complete.
7 February 2013 – ITEM 3	Cycle route connection between Balgowlah Heights and Burnt bridge creek	Options for a cycle route to be investigated. To be included in future year's programs.	September- Item added to capital work program a budget bid will be prepared for this item for the 2014/15 budget bids. June - Requires investigation.
	Update on cycle events program	STAC to be provided with a list of cycle events that council is involved with.	June - Staff to provide – Complete.
7 February 2013 – ITEM 7	General Business		

Item	Description	Action	Staff comment
	Update of cycle events program to be added to future agenda		Item added to agenda.
	Residential Transport Hubs	Report to be returned regarding the proposal of Residential Transport Hubs.	September – refer to Item 6 in agenda. June - Item returned to April STAC – Complete.
11 April 2013 – ITEM 4	Residential transport hubs	A report on suitable locations for residential transport hubs to be returned to the STAC including provision for car share spaces on residential streets.	September – refer to Item 6 in agenda. June - Report to be prepared and returned to a future STAC meeting.
11 April 2013 – ITEM 7	General Business		
	Shared path on east side of Balgowlah Road between Kenneth Road and Pittwater Road	Investigate proposal for shared path on east side of Balgowlah Road between Kenneth Road and Pittwater Road.	September - Item added to capital work program a budget bid will be prepared for this item for the 2014 / 15 budget bids. June - Proposal to be investigated and returned to STAC
6 June 2013 – ITEM 6	Shared path Balgowlah Road - Kenneth Road to Pittwater Road	Prepare concept plan and project sheet / budget bid to provide shared path and crossing on Balgowlah Road to provide cycle / pedestrian access to Harris Farm Market / Seniors Centre.	September- Item added to capital work program a budget bid will be prepared for this item for the 2014 / 15 budget bids.
6 June 2013 – ITEM 7	Burnt Bridge Creek to Upper Beach Street cycle route	Prepare a concept plan and project sheet / budget bid for cycle route to connect Burnt Bridge Creek with Upper Beach Street.	September - Item added to capital work program a budget bid will be prepared for this item for the 2014 / 15 budget bids.
6 June 2013 – ITEM 8	Cycle parking at the Wharf	Implement actions to address cycle parking issues at the wharf.	September– work to be planned and implemented in 2013 / 14 financial year.

Item	Description	Action	Staff comment
6 June 2013 – ITEM 9	Front in only parking - Ocean Beach	Further surveys of parking behavior to be undertaken. Studies to be focused near North Steyne Surf club.	September – monitoring of parking behavior on the Ocean Beach front is ongoing.

DRAFT

ATTACHMENT 2

Figure 1– Proposed green surfacing along Darley Road



Figure 2– Proposed Location of trial Residential Transport Hub

