

BICYCLE STRATEGY FOR MITTAGONG, BOWRAL AND MOSS VALE

Supporting Physical Activity, Active Living, Active Ageing and Active Tourism



GTAconsultants

ABN 34 005 839 645 Level 10

815 Pacific Highway

Chatswood NSW 2067

PO Box 5254 - West Chatswood NSW 1515

p +61 2 8448 1800 f +61 2 8448 1810

sydney@gta.com.au www.gta.com.au



ABN 14 003 860 277 Suite 405 5 Hunter Street Sydney NSW 2000 p +61 2 9233 1277 f +61 2 9235 2490

info@jamiesonfoley.com.au www.jamiesonfoley.com.au



Sustainable Transport Consultants Pty Ltd

ABN 19 101 162 716 PO Box 1601 BONDI JUNCTION NSW 1355 p +61 2 9386 4484 f + 61 2 9012 0793 wsalomon@bigpond.net.au

TABLE OF CONTENTS

1	Intr	oduction	
2	Ctr	ategy Objectives	
_		Bicycle Network Plan	
		Bicycle-use Support Plan	
		•	
3		ckground	
		Methodology	
	3.2	Potential for Cycling	
		Figure 3.1 - Walking and Cycling Catchments	
		Benefits and Barriers	
		Stakeholder Vision	
	3.5	Cycling and Road Safety	
	2.0	Figure 3.2 - Crash Spot Map for Bicycles and Pedestrians	
	3.6	Pathway User Categories	
4		ategic Context	
	4.1	Council Policies and Plans	
		4.1.1 Social Plan - June 2006	
		Table 4.1 - Social Plan Bicycle and Pedestrian Related Strategies	
		4.1.2 Pedestrian and Bicycle Plans	
		4.1.4 Strategic Plan	
		4.1.5 Open Space, Recreation, Cultural and Community Facilities Study	
		4.1.6 Development Control Plans	
	4.2	Global Issues	
		4.2.1 Transport Equity	23
		Figure 4.1 - Transport and Access in Sydney	
		Figure 4.2 - Increase in Travel	
		4.2.3 Health	
		Figure 4.3 - Trends in Walking and Cycling to School	25
		Figure 4.4 - Premature Deaths from Road Transport	
		4.2.4 Environment and Climate Change	25
		Figure 4.5 - Transport and Climate Change	
		Figure 4.6 - Australian Oil Production	
_	_	•	
5		veloping the Bicycle Network	
	5.1	Bicycle Network Route Functions	
		Map 1 - Bicycle Network Strategic Development	
		Table 5.1 - Urban bicycle routes and their network function	29 30
		Figure 5.1 - Methods of Separation	
	5.2	Linking Mittagong, Bowral and Moss Vale	32
		Figure 5.2 - Recently Completed Pathway, Suttor Road, Bong Bong	32
		Figure 5.3 - Potential for 40km/h High Pedestrian Activity Areas within the Town Centres	
		(Argyle Street, Moss Vale) Figure 5.4 - Twin Railway Tunnels north of Bowral	
	53	Main Feeder Routes	
	5.5	Figure 5.5 - Existing Pathway at East Bowral	
		Figure 5.6 - Recently Completed Crossing Facility on the Old Hume Highway, Mittagong	
	5.4	Local Access Connections	
		Figure 5.7 - Existing Link between Cul-de-Sacs at East Bowral	
		Figure 5.8 - Potential Link between Communities across the railway at Young Street, Moss	
		Vale	
	5.5	Urban Recreational Routes	
	E ^	Figure 5.9 - Bong Bong Track at Burradoo	
	ე.ხ	Regional Links and Tourism Opportunities	
		r igure 5. 10 - iviillagong to r ictori itali Trali - Faraller Fracks at Dideffidi Mudu, Dideffidi	4 3

Bicycle Strategy For Mittagong, Bowral and Moss Vale

		Figure 5.11 - Mittagong to Picton Rail Trail - Existing Motorway Underpass North of	
		Braemar	
	5.7	Route Development Summary	44
		Table 5.2 - Bicycle Strategy, Priority 1 Items 2008-2018	46
		Table 5.3 – Summary of Council Pathway Budget 2007/2008 to 2009/2010	47
6	Sur	porting Increased Bicycle Use	48
	_		
	6.2		
		• •	
	6.3		
	C 4		
	6.4	Integration with Council Operations/Processes	55
7	Imp	plementation and Evaluation	57
8	Fur	nding Opportunities	59
A	pper	ndix A - Stakeholder Contact Details	
A	pper	ndix B - Stakeholder Feedback	
Αį	pper	ndix C - Public Exhibition Period Feedback	
Αı	oper	ndix D - BikePlan 2020 Press Release	
	•	Table 5.2 - Bicycle Strategy, Priority 1 Items 2008-2018	
A	pper	ndix E - Individual Town Maps	
A	pper	ndix F - Route Development Details and Cost Estimates	
A	pper	ndix G - Picton to Mittagong Rail Trail	

1 Introduction

The Bicycle Strategy for Mittagong, Bowral and Moss Vale is a comprehensive plan for supporting physical activity, active living, active ageing and active tourism in Wingecarribee. This Strategy supports physical activity, active living, active ageing and active tourism, as promoted in Council's Social Plan and other council policy, strategy and planning instruments.

The Mittagong, Bowral and Moss Vale Bicycle Strategy builds on existing strengths in Wingecarribee such as:

- Mittagong Creek Trail
- Existing and proposed pathway networks East Bowral and Renwick
- Council's ongoing budget allocations for pathway network development
- Hansen Street bicycle training facility
- **Extensive community and commercial interest:**
 - Ben Mikic Foundation
 - Southern Highlands Bicycle User Group
 - CANWIN Climate Action Now Wingecarribee
 - Southern Highlands Cycle Club
 - a significant number of bicycle shops
 - Vaude Highlands Mountain Fling



Figure 1.1 - Bong Bong Track at Wingecarribee River

Bicycle Strategy

For Mittagong, Bowral and Moss Vale

- **Section 2** Strategy objectives
- Section 3 Background information, including methodology, potential for cycling, benefits and barriers, stakeholder vision, cycling and road safety, bicycle user categories
- Section 4 Strategic context, including Council policies and global issues
- **Section 5** Developing the bicycle network
- **Section 6** Support program to increase bicycle use
- **Section 7** Implementation and evaluation
- **Section 8 Funding opportunities**

The Bicycle Strategy reinforces the Wingecarribee Shire Council Mission statement and associated Visions:

Mission

"To make the shire a better place in which to live"

Visions

- 56 Enhance the spirit, character and qualities of the Shire
- Respond to challenges and opportunities
- Retain the balance of rural and residential lifestyle
- M Pursue social and recreational opportunities
- 56 Ensure sustainability of the built and natural environments
- Moreover Provide appropriate and responsive planning controls

2 STRATEGY OBJECTIVES

The main objectives for the Bicycle Strategy are to make cycling safer, easier and more attractive in Mittagong, Bowral, Moss Vale and their surrounding suburbs. The Bicycle Strategy will cater for all types of cyclists and trip types, including school students, commuter and recreational cyclists and others who may wish to use cycling infrastructure such as walkers, joggers and in some areas, equestrians.

Accordingly, the Strategy becomes a 'Path User Plan', which includes an element on planning for the next 10-20 years, the baby boomer phenomenon and increased numbers of people using motorised wheelchairs, sharing with pedestrians and cyclists.

With the pressure on funding sources, another key element of the Strategy is to identify ways to balance the cost of new facilities and upgrade old ones.

2.1 Bicycle Network Plan

- Prepare a map of existing and proposed on-road and offroad bicycle facilities;
- Prepare a list of prioritised cost estimates for proposed bicycle facilities;
- Build a coherent network consisting of a network of bicycle routes: regional routes for longer trips, local routes for localised trips and traffic calmed local streets for easy access to all destinations:
- Provide a system of signage and network mapping for easy way-finding and place details to encourage and assist riders to better use the network;
- Formulate a staged schedule of works consisting of standardised design solutions and specific design solutions:
- Recommend an on-going monitoring system designed to track usage and to facilitate the removal of identified hazards:
- Provide recommendations for improved bicycle access throughout the Council area through the incorporation of bicycle friendly design and construction criteria into:
 - streets, roads, intersections and crossings,
 - traffic calming and speed reduction schemes,
 - local residential streets and community facilities;
- Make recommendations on integrating ongoing network development with Council's asset management systems and the wider planning processes and in particular Council's Social Plan;
- Removal of old-style drainage grates;
- Recommend a road repair and maintenance reporting system to respond to riders' needs; and
- Recommend policies for cyclist provision during road works.

2.2 Bicycle-use Support Plan

- Inform Wingecarribee residents and workforce on the location of bicycle routes and facilities through paper and electronic PDF maps available on Council's web site as well as the Tourism Southern Highlands website. Publication-quality mapping will allow transport access guides to be easily produced for schools, major workplaces and shopping / commercial centres. All maps and promotional material will be available from the Visitor Information Centre:
- Promote education and skills training to enable residents and visitors to increase their operating knowledge and skills, both on-road and off-road, for a wide range of age groups. Programs can be run either by Council or external training providers, possibly using the facility at Hansen Street or the Eridge Park Velodrome. Examples of programs include: ride to work, ride to school, adult and child skills training, group riding skills for fitness riders, etc;
- Encourage the community and visitors to get out and enjoy bike riding by supporting a range of locally based bicycle events:
- Encourage bicycle travel and tourism within the Local Government area, building on existing events and programs such as recently developed VAUDE Highland Fling / the Australian MTB Marathon Championships by Wild Horizons in Bundanoon:
- Support for user group initiatives such as the programs being developed and promoted by the Ben Mikic Foundation (eg the Silent Ride, school based training program), the Picton to Mittagong Rail Trail (promoted by the Australian Cycling Sector);
- Development of local action programs for State-wide and international health and environmental research initiatives such as the NSW SPANS Reports on Obesity (Booth 2006.1, 2006.2) and the Stern (2007) Report on Climate Change;
- Require and encourage the private sector and government agencies to provide bicycle parking and end of trip facilities in and around their buildings; and
- Improve and expand the level and quality of bicycle parking in the public domain.

3 BACKGROUND

3.1 Methodology

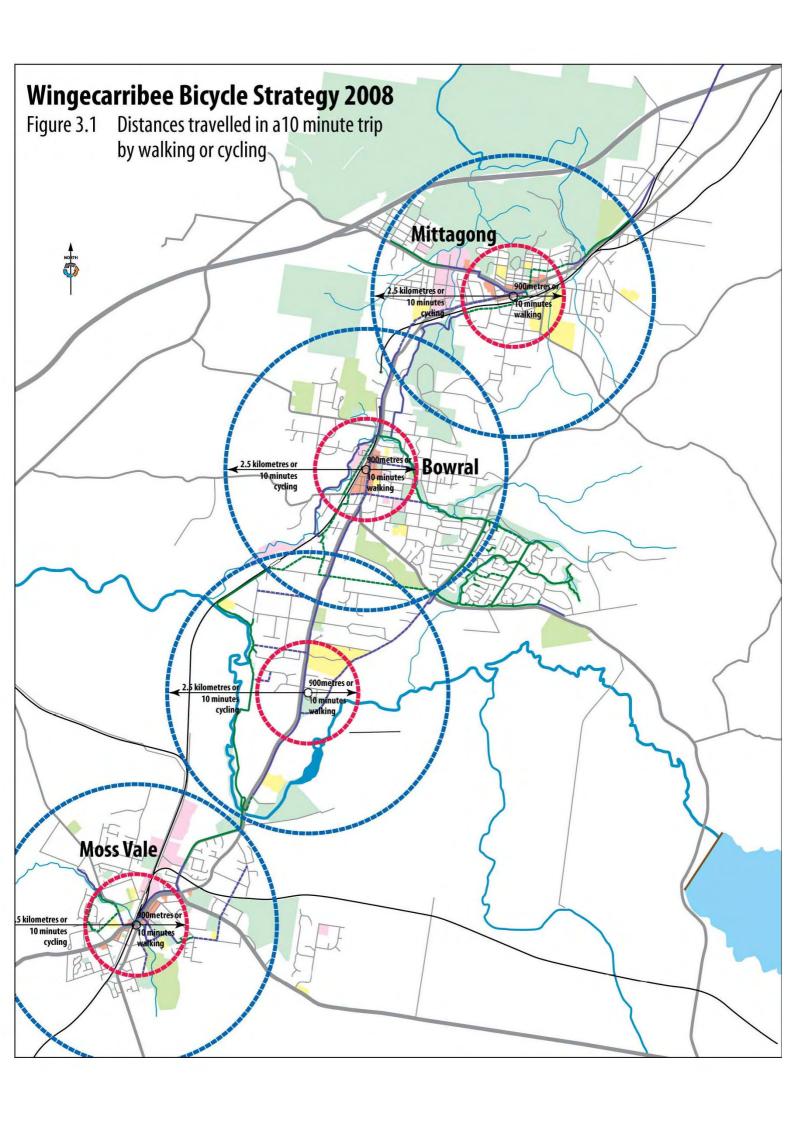
The key tasks for the Bicycle Strategy are to:

- Review the current Bike Plan, existing facilities, mapping data, key destinations;
- Conduct one or two workshops with Council staff, bicycle user groups and other stakeholders;
- Conduct saddle surveys in Mittagong, Bowral and Moss Vale:
- Develop and map a network of new and amended routes and associated facilities;
- Prepare a map with an agreed bike network, routes and trip-end facilities;
- Prepare a works program, cost estimates and priorities (matched to Council resources);
- Provide a map with a yearly construction program;
- Frepare detailed annual costing and works program for Years 1-3:
- Report the priorities and rationale for the network and the works program;
- Provide a map of the agreed Draft Bike Plan for public exhibition; and
- Review the submissions and amend draft plan.

3.2 Potential for Cycling

Figure 3.1 shows that there is strong potential for cycling to become a serious mode of transport, i.e. the urban areas of Mittagong, Bowral and Moss Vale each are generally contained within a 15-minute cycling radius, which makes cycling a competitive and achievable mode of transport.

For many, cycling between the three towns and other villages is also feasible, pending the availability of suitable infrastructure.



3.3 Benefits and Barriers

The Bicycle Strategy provides Council with a proactive policy to develop and increase the role of the bicycle as an important sustainable transport mode to benefit the health and economic wellbeing of the community. Bicycle travel also provides additional recreational activities and experiences for visitors.

The Strategy aims to build strategically on the positive characteristics of bicycle travel while removing barriers:

Community benefits

- The bicycle is an ideal vehicle for convenient, door to door travel. It is quick to start, easy to park and impervious to traffic congestion. It is particularly suited for trips up to 5km. This includes most local trips within each of the three towns (refer **Figure 3.1**);
- Cycling travel times are predictable and reliable;
- Construction of a workable bicycle network is relatively cheap and bicycle infrastructure can be easily (and cost effectively) included with road upgrades and maintenance works;
- Bicycle traffic does not pollute, does not emit greenhouse gases, is not noisy and is a practical way of reducing dependency on oil;
- Bicycles take up very little space either when being ridden or when parked;
- Bicycle traffic has a humanising effect on neighbourhoods;
- Cycling is good for staying in shape and is relaxing; and
- Bicycle travel is affordable and accessible to almost all the community.

Barriers to cycling

- Fragmented cycling networks with a lack of continuity and connectivity;
- Insufficient knowledge of available network facilities and alternative back street routes:
- Limited number of safe and convenient opportunities to cross major roads;
- Poor perception of cycling as a physical activity (too hard, too hot, too hilly, too dangerous, too difficult etc);
- Poor integration with general road transport system high speed and high volume roads along popular trip desire lines, threatening behaviour of motorists;
- Lack of 'how to' knowledge on cycling as an activity eg where to ride, what to wear, what type of bike suits, equipment issues, navigation issues;
- **Lack of confidence and cycling experience**;
- Actual and perceived lack of safety;
- ★ Terrain and weather; and

Narrow and poorly maintained roads, shoulders and footpaths.

While some of these barriers are beyond intervention, a majority can be managed or addressed by individuals, communities and governments. The actions outlined in the Strategy seek to address these issues and create an environment with minimal barriers to cycling.

3.4 Stakeholder Vision

A key element in the development of the Bicycle Strategy was the involvement and participation of key stakeholders. On 28 March 2008 a workshop was held to obtain feedback from the stakeholders and to gain an understanding of the broad principles that will guide the Strategy.

Stakeholder contact details are included in **Appendix A**. **Appendix B** includes a detailed overview of stakeholder feedback from both the workshop and through separate submissions.

The broad principles for the Bicycle Strategy as proposed by the stakeholders may be summarised as follows:

- Establish an overarching, aspirational long term vision to position Wingecarribee Shire as 'The friendliest towards cyclists of any shire in NSW'. Take a leadership role in creating an environment in which a range of different user bike groups participate in a wide range of cycling activities, all underpinned by an ethic that has 'safety' as its watchword;
- Bundanoon, Robertson and the outlying villages need to be included in any bike plan for the shire;
- - A safer cycling environment,
 - A reduction in the number of accidents,
 - Increased cycling activity amongst the 7 key user groups within the local population
 - Increased tourist and visitor cycling activity across all user groups,
 - An increase in local business;
- There is a strong community basis that supports cycling, including the Ben Mikic Foundation, the Southern Highlands Bicycle User Group, CANWIN Climate Action Now Wingecarribee, Southern Highlands Cycle Club and a significant number of bicycle shops with strong connections to regional tourism such as the VAUDE Highland Fling. The workshop concluded with the inauguration of a Council based working party;
- There are strong global and local needs for improvements to the cycling and walking networks including peak oil, climate change, public health and the aging population. There is recognition of the need to choose cycling for transportation as well as recreation;

- Transport equity is an issue, dispersed throughout the Shire:
- Although there is a number of existing and well-regarded cycling links such as those in East Bowral and the Bong Bong Trail, much of the remaining network is patchy and in need of improvements including continuity, widening, maintenance, lighting, signage, maps (Transport Action Guides). The right infrastructure requires wider, safer paths; off road on busy streets; local streets need interconnected networks with good crossings at main roads; good connections into the heart of town. Due to the aging local population, pathways need to cater for increasingly complex user groups such as people with walking aids, motorized wheelchairs, mobility scooters, etc, as well as pedestrians and cyclists;
- There is a strong perception that children want to come back to using bicycles, which needs support and encouragement, through both formal and informal activities such as Ride-2-School, Green Prescriptions, Bike Bus, Walking Bus, rides with BUGs and clubs;
- Work with school principals to identify safe routes for kids to cycle to and from school;
- Identify black spots in the shire for cyclists in conjunction with the SHCC and take action to remedy; and
- dentify transport options for cyclists such as rail and bus connectivity both for connectivity and tourism:
 - Work with the local bus company to ensure bikes can be accommodated,
 - Identify train time table and usage issues for cyclists to connect with villages such as Bundanoon.

The stakeholder feedback also included ideas for network development at specific locations and for specific planning instruments, including:

- Update DCP41 Development Specifications to include a width increase of footpaths from "1.25m pathway" to "3.0m shared paths (2.0m absolute minimum)";
- The old Great Southern Railway from Mittagong to Willow Vale, Colo Vale, Hill Top and Balmoral Village and then into Wollondilly (Buxton, Thirlmere, Picton). Extend to Moss Vale and Goulburn at a later date;
- Ferguson Crescent in Mittagong very busy for pedestrians, cyclists and joggers. People come from Mittagong and go along the Willow Vale bike track, cross over the highway and go back to town along Ferguson Crescent, which has a lot of space for a path on the highway side of the road. The only difficult part is the two railway bridges. This will be even busier when the new Renwick development goes ahead;

- Mittagong to Bowral one route proposes to use the existing fire trail tracks from the western end of Railway Parade, Mittagong to Soma Ave, Bowral. There are some fairly steep sections. However, it is a fair distance from civilisation, safety reasons, etc;
- Mittagong to Bowral new bike track parallel to the railway line to be reasonably level, although the 300m rail-only tunnel is a major barrier;
- Mittagong to Bowral along Bowral Road, widen and extend existing footpath with a barricaded off crossing over the bridge. A rest stop on top of the hill is required with a flat area and space for seats and a water bubbler. There is a sign welcoming all to Donald Bradman's Bowral, but it is a pretty unwelcoming with weeds and untidiness new planting required;
- East Bowral to Moss Vale. There some pockets of Council land adjacent to the Wingecarribee River, behind Eridge Park Road, but it is fragmented. Alternatively, there is the road reserve on Moss Vale Road;
- Burradoo to Berrima from the Oxley College end of the existing bike track, following the river to Berrima. On the southern side of the river there are only two different properties, then crown land which Council manages, which leads into Berrima;
- Berrima to Medway along a disused railway corridor to the Medway colliery;
- Sutton Forest to Moss Vale along the Illawarra Highway. Good for tourists, nice flat grade, well known cycling route for professional cyclists who congregate at the Sutton Forest hotel:
- Resolve the issue of traffic flow at the Bessemer Street/Bowral Road crossing:
- Upgrade the Velodrome (to get kids off the roads and expand its usage by senior riders);
- Expand areas for creating mountain bike tracks and work to make the Southern Highlands a mountain bike Mecca;
- Establish a site for a future BMX track in the Highlands;
- Provide safe opportunities for cyclists and pedestrians to cross major roads such as Moss Vale Road at Burradoo Road; and
- Develop a cyclist's behavioural program for safe use of the roads, especially at night, such as lights, retro-reflective clothing, helmets, bell use on shared path, etc.

The draft Bicycle Strategy for Moss Vale, Bowral and Mittagong was placed on public exhibition for 28 days. The draft document and proposed route maps were placed on exhibition at Moss Vale Civic Centre plus the Mittagong, Bowral and Moss Vale Libraries. Documents were also located on the WSC website and www.bangthetable.com.au. This interactive website allowed residents to lodge comments, discuss issues and vote on the ideas presented by other people.

Bicycle Strategy

For Mittagong, Bowral and Moss Vale

A total of 40 written submissions were received at the Council. The 'BangTheTable' website recorded 544 unique visitors to the Bicycle Strategy webpage, where 24 comments were posted and 77 votes were made for these comments.

A description of the feedback received during the public exhibition period, along with a response from GTA Consultants on how the feedback has been addressed, is included in **Appendix C**.

The document has been updated to reflect the comments received during the public exhibition.

3.5 Cycling and Road Safety

Figure 3.2 shows the crash patterns for bicycles and pedestrians in the three towns for the 5 year period from 2002 to 2006 inclusive. The following comments are offered for consideration:

- In the whole of the Local Government area, there was a total of 30 pedestrian crashes and 26 bicycle crashes;
- Of these, 20 pedestrian crashes and 21 bicycle crashes occurred in the three towns:
- Pedestrian and bicycle crashes are well-known to be under reported; and
- Although the crashes are generally spread-out throughout the towns, there are some pedestrian crash concentrations in the Bowral and Moss Vale town centres.

Recommendation

The town centre pedestrian crash concentrations may justify further investigations as part of a 40km/h High Pedestrian Activity Area. RTA may provide (joint) funding for the research, plan development and infrastructure works.

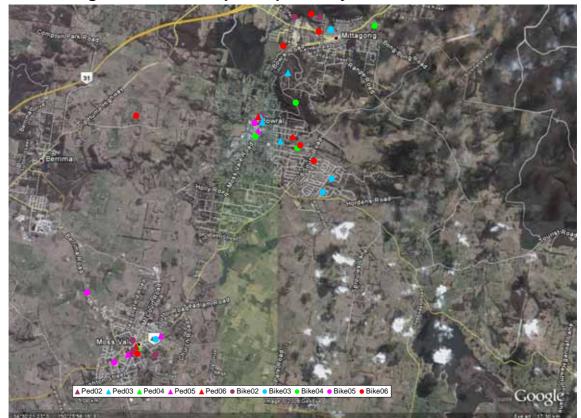


Figure 3.2 - Crash Spot Map for Bicycles and Pedestrians

3.6 Pathway User Categories

In NSW the vast majority of pathways are developed for shared use by pedestrians and cyclists. By nature these pathways attract a wide range of community groups as shown in **Figure 3.3**:

- Commuter cyclists;
- Recreational cyclists and families;

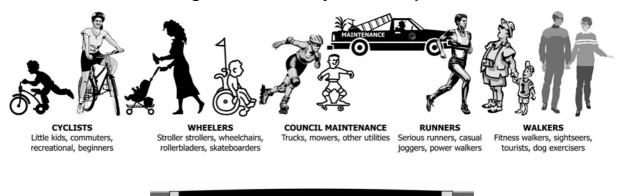
- Wheelchairs;
- 6 Council, RTA, Sydney Water and other service vehicles;
- Emergency vehicles;
- Families and tourists on foot; and
- ⋄ Older people on foot.

In addition to these groups in the general community, the stakeholder workshop also identified special interest groups, such as:

- **BMX** riders (a trial Olympic event);
- Mountain bike riders who train and race on mountain tracks:
- Road racing cyclists who race and train on roads in the shire; and
- Track cyclists who train and race at the Velodrome.

These groups are important for sport and tourism and generally require specialist facilities and arrangements such as formal events, marked or constructed tracks, velodrome. Although many road racers do informal training on the general road network, formal controlled events are required for the actual races.

Figure 3.3 - Pathway User Groups



4 STRATEGIC CONTEXT

4.1 Council Policies and Plans

This section provides an overview of the pedestrian and cycling issues as referenced in the various planning instruments in Wingecarribee Shire Council, including:

- Social Plan June 2006:
- → Pedestrian and bicycle plans;

- Open Space, Recreation, Cultural and Community Facilities Study - 2004;
- **DCP12 Carparking RevE April 2004**;
- **DCP32 Mittagong December 1998;**
- → DCP40 Moss Vale March 2000;
- Renwick (Heart Foundation presentation) 2007.

4.1.1 Social Plan - June 2006

The Social Plan is the most up-to-date document and extensively references walking, cycling and public transport as part of Council's overall policy direction to create a healthy and active community and a sustainable environment. It refers to various other Council instruments and makes recommendations for revisions to these documents and related Council policies, in particular the LEP.

As shown in Table 4.1, the Social Plan has a strong focus on Active Living. A significant number of objectives relates to public transport improvements. Many of these can be (partially) achieved through improvements to walking and cycling facilities and the integration of these with Public Transport.

The plan emphasises that high growth non-metropolitan areas present challenges to the public transport industry, including for Wingecarribee. The Shire covers an area of over 2,500 square kilometres. Settlement patterns are predominantly rural with a population of over 42,000 residents dispersed across four towns, numerous villages and rural localities. In 2001, just under one fifth of Shire residents were rural dwellers, representing 7,769 persons. A further 6,664 residents live in Shire villages.

Table 4.1 - Social Plan Bicycle and Pedestrian Related Strategies

Contains Lawrence Chicathan Reserved Time			
Strategy	Issues and Objectives	Resource Implications	Time Frame 2006-2010
2.1.1a Continued development of recreational pathways linking community services and facilities, playgrounds and recreational areas	To promote physical activity, active living and active ageing.	Moderate Roads and Traffic Branch	Pending grant funding and Sect 94 contributions
2.1.1b Facilities for shade, seating and access to public toilets along centrally located and highly utilised recreational pathways.	To promote physical activity, active living and active ageing.	Moderate Roads and Traffic Branch	Pending grant funding and Sect 94 contributions
2.1.8b Planning instruments for residential release and major civic or commercial development incorporate design guidelines on active living	To promote physical activity, social interaction and community participation.	Minor Strategic Planning Branch	Subsume into existing function
2.1.9c Safety upgrades are progressed to Council places, spaces, facilities and premise.	To promote public utilisation of and safety in public places. To comply with risk management and safety standards.	Minor Parks and Property Branch	Ongoing Existing function
3.1.1f Development contribution planning contributes to information products for new residents on community services and facilities, on pedestrian access and mobility routes and on public transport services.	To address new residents' needs for community information.	Minor Strategic Planning Branch	Existing function. Pending Planning Agreements.
3.1.2a Grant funding is sought annually for public transport infrastructure including access, safety and other facilities for pedestrians, cyclists and mobility scooters.	Continual improvement to public transport infrastructure and service development through Shire works.	Minor Roads and Traffic Branch	Annual Existing function
3.1.2b Grant funding is sought annually for Pedestrian Access and Mobility planning and implementation.	To advance pedestrian safety, particularly for people with a disability or other mobility restriction.	Minor Roads and Traffic Branch	Annual Existing function
3.1.2c Council's Annual Report quantifies public transport infrastructure improvements stemming from Shire works.	To inform the community about public transport infrastructure and service developments.	Minor Roads and Traffic Branch	Annual Subsume into existing function
3.1.2d The Shire CBD Mobility Map 2000 is updated and republished.	To promote pedestrian safety, particularly for people with a disability or other mobility restriction. To promote active living, active ageing and universal access.	Major Roads & Traffic Branch with Strategic Planning Branch	Dependent upon Council budget allocation
3.1.2e Developer Contribution Plans contribute to pedestrian access and mobility planning and implementation.	To advance pedestrian safety.	Minor Strategic Planning Branch	Existing function. Pending Planning Agreements.
3.1.2f Council's planning instruments require community access strategies for walking, cycling, mobility scooters and bus servicing, to inform the siting and design of new residential release, major civic or commercial development and redevelopment.	To maximise public transport utilisation, walking and cycling.	Minor Strategic Planning Branch	Subsume into existing function

4.1.2 Pedestrian and Bicycle Plans

The Wingecarribee Cycle Way Plan guides construction of shared pathways for pedestrians and cyclists within and linking population centres. Pedestrian Access and Mobility Plans (PAMPS) focus on pedestrian access in Mittagong, Bowral and Moss Vale business districts and along key routes within a 1.5km radius.

Pathways now link Moss Vale and Burradoo, Bowral and East Bowral, Welby and Mittagong. Pathways are also being constructed in Shire villages such as at Robertson, Bundanoon and Colo Vale.

Crossing points cater to the needs of people with mobility, aural or vision impairment and include kerb ramps and tactile ground surface indicators.

Key elements of the bicycle and pedestrian plans have included:

- A works program to eliminate footpath trip hazards;
- Upgrading of shire toilet facilities and MLAK system installation;
- An annual budget allocation of \$10,000 for kerb ramp upgrades;
- Publication of the Bowral, Moss Vale and Mittagong CBD Mobility Map;
- During 2000/02 Council committed \$150,000 to addressing throughout the Shire, pedestrian trip hazards such as footpath cracks and tree root damage; and
- In 2002/03 there was a Shire-wide upgrading and sign posting of accessible parking.

4.1.3 Local Environment Plan

In the draft LEP new medium density housing is constrained to town centres in proximity to public transport services. The draft LEP also makes provision for pedestrian access and mobility in all new major developments including provision of shared pathways for walking and cycling.

Siting and design of major residential release developments are not however assessed with respect to public transport access and provision except for new housing specifically intended for older people and people with a disability.

The 1989 LEP stipulates that Council must not grant consent to the subdivision or development of land unless the Council has considered the following matters in relation to the development:

- The distribution of types of development on the land, including housing types, open space, and the pattern and phasing of development, including any indicative subdivision pattern;
- We Vehicular, cycle and pedestrian circulation networks; and
- Particulars of the type, location and phasing of transport infrastructure and utility infrastructure.

4.1.4 Strategic Plan

The Council, whilst recognising a strong potential for many residents to be employed outside of the Shire, does not formally support the Shire taking on the role of a 'dormitory' suburb of the greater Sydney metropolitan area. The Council will promote the retention of the Shire's relatively high level of employment self-containment of around 70%. This is seen to be a more socially as well as an ecologically sustainable approach to managing future growth. Opportunities for employment growth must be provided.

The price of energy is set to increase and combined with concerns over greenhouse gas emissions, public attention will focus on integrating land use planning with:

- transport planning; and
- designing and constructing the built environment so as to minimise energy (fossil fuel base) consumption.

This means greater support for walking, cycling, public transport, and energy efficiency being incorporated into subdivision and housing design and construction.

The creation of such opportunities must take account of the community's capacity to 'pay' for growth and development. In this context, it is noted that the construction of walking and cycling infrastructure is significantly more cost-effective than new roads, off-street car parking and traffic relief routes.

The strategy also identifies the need for suitable small scale 'village business' zones for Wingello, Exeter, Burrawang, Hill Top, Yerrinbool, Colo Vale, Penrose and New Berrima that are located within a comfortable walking distance of approx 500 metres to most village households.

4.1.5 Open Space, Recreation, Cultural and Community Facilities Study

The Wingecarribee Open Space, Recreation, Cultural and Community Facilities Study recommends transport access strategies for all new major civic facilities with respect to pedestrians, cycling, public and private transportation. This study also recommends continued provision of shared pathways with facilities such as seating, shade and toilets particularly relevant to the needs of older people and people with a disability.

4.1.6 Development Control Plans

The DCPs reference walking and cycling to a varying extent.

The Bowral plan concludes that pedestrian connectivity across the centre is reasonable although the physical condition of major pedestrian paths requires upgrading. This is an important 'access' issue that references the needs of aging and less mobile community members.

Specific issues include:

- conflicts at intersections between major pedestrian routes and car parks;
- inks between the main street and the Bendooley Street Cultural Precinct:
- the link to the railway station; and

The Renwick plans have a strong focus on achieving a high degree of accessibility for pedestrians, cyclists and public transport. A presentation by the Heart Foundation identifies a number of potential issues:

- **56** connectivity to Mittagong, especially the station;
- competitive advantages for Active Transport, i.e. not all internal roads are connected; and
- need for accessibility mapping for all towns and town centres.

The Mittagong plans emphasise that it is important to build a network of pedestrian access across the town including:

- inks between Bowral Road and Ward Lane;
- a link from Station Street to the Police Station Land:
- a link from Main Street and Albert Lane; and
- Inks from Main Street to Bowral Road.

The Moss Vale plans are similarly specific with a particular focus on extending and enhancing the Whites Creek Walkway.

The carparking DCP makes no reference to walking and cycling.

4.2 Global Issues

Healthy and active transport includes walking and cycling as well as public transport, which invariably involves walking to and from bus stops and rail stations. There is substantive evidence that healthy and active transport provides a strong and effective policy response to five global public policy issues, including:

- Congestion;
- ₱ Public Health:
- Climate Change; and
- Peak Oil and Petrol Prices.

Investment in physical, social and organisational infrastructure to support healthy and active transport can deliver positive benefit:cost ratios for each of these five global policy issues individually, especially when considering externalities. The real benefit of investment in infrastructure for healthy and active transport, however, lies in recognition of the cross-disciplinary benefits.

It is noted that in August 2008, the former Minister for Roads Eric Roozendaal and former Minister for Environment and Climate Change Verity Firth announced that the Premier's Council on Active Living had been commissioned to start work on a new Bike Plan for NSW. Community comment on a new NSW Bike Plan to promote and encourage cycling is currently being sought. The press release detailing this announcement is included in **Appendix D**.

The following sections detail the five global public policy issues, referred to above.

4.2.1 Transport Equity

Approximately 700,000 people in Western Sydney cannot reach essential services within a reasonable time, such as health care, employment, education and daily needs (Hurni 2006, **Figure 4.1**). The problems are broadly defined as being personal mobility factors (characteristics that affect individual's ease of travelling), transport accessibility factors (characteristics of the available transport services) and urban accessibility factors (characteristics of facilities, services and activities that individuals may need to access).

Examples of some transport disadvantaged groups include sole parents, young unemployed people and recently arrived humanitarian entrants.

A broader responsive to the travel needs of these groups is required including, inter alia, improvements to local accessibility through constructing and upgrading bus stops and shelters, foot paths, and cycleways.

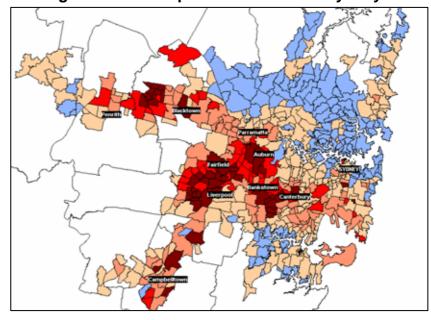


Figure 4.1 - Transport and Access in Sydney

4.2.2 Congestion

Research by the NSW Roads and Traffic Authority (RTA 1999.1-3) predicted a 600% increase in congestion on Sydney's roads unless vehicle usage trends were reversed. Current evidence is that RTA's strategies have been ineffective in achieving the required target (Figure 4.2). Similar problems are evident in other major cities in Australia and around the world. There is a strong need for renewed investment in environmentally friendly transport in cities, such as cycling, walking and public transport.

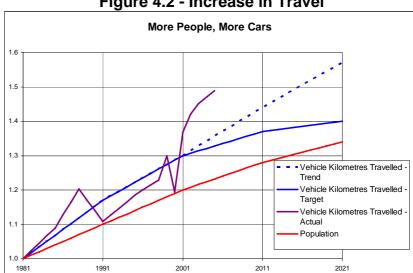


Figure 4.2 - Increase in Travel

4.2.3 Health

The obesity crises and the lack of exercise are well documented, eg the SPANS reports by NSW Health which indicate that walking and cycling to school have the potential to provide 50% of the daily physical activity requirement for children (Figure 4.3).

Less well known is the research flowing from the European Charter on Transport, Health and the Environment which shows that car-based air pollution kills twice as many people as car crashes (Figure 4.4).

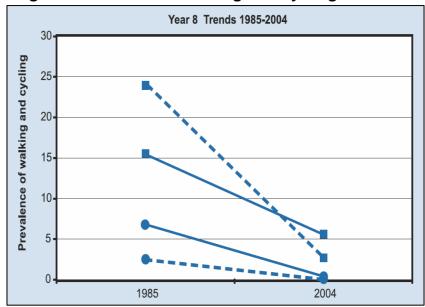
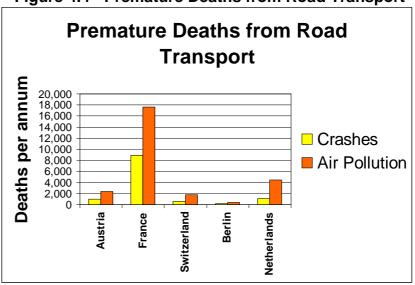


Figure 4.3 - Trends in Walking and Cycling to School

Figure 4.4 - Premature Deaths from Road Transport



4.2.4 Environment and Climate Change

The Stern Review has now become the world's authoritative and conclusive document on this topic (**Figure 4.5**). While it acknowledges active transport as a key issue, it is weak on recommendations due to the complexity of the issue. It is clear, however, from other research both overseas and locally that there are strong opportunities to substantially increase the role of active transport, eg the City of Sydney has adopted a target of 20% of short trips by bike by 2016.

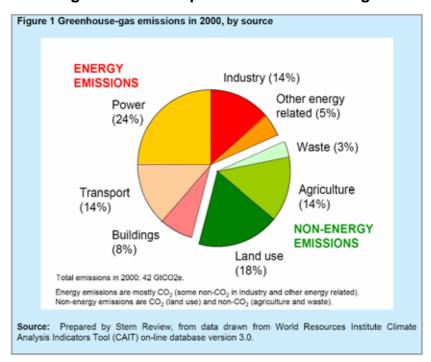


Figure 4.5 - Transport and Climate Change

4.2.5 Peak Oil

Projections by Australian Government forecasting agencies indicate that Australia is facing a rapid decline in liquid petroleum production over the next decade. Liquids self-sufficiency is expected to decline from an average of 80-90% over the past decade to less than 40% by 2010 (**Figure 4.6**). On a global scale, the Arabian oil fields have reached their peak production levels. The world is at war over the next oil and gas fields. The Kimberley and Arctic seas are threatened with exploration.

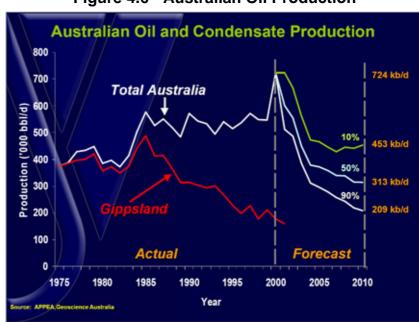


Figure 4.6 - Australian Oil Production

5 DEVELOPING THE BICYCLE NETWORK

The Bicycle Strategy proposes a substantial upgrade of existing bicycle facilities to meet the future needs of the community. The proposed network is shown in **Maps 1 and 2**. **Appendix E** provides the maps for each of the three towns separately.

5.1 Bicycle Network Route Functions

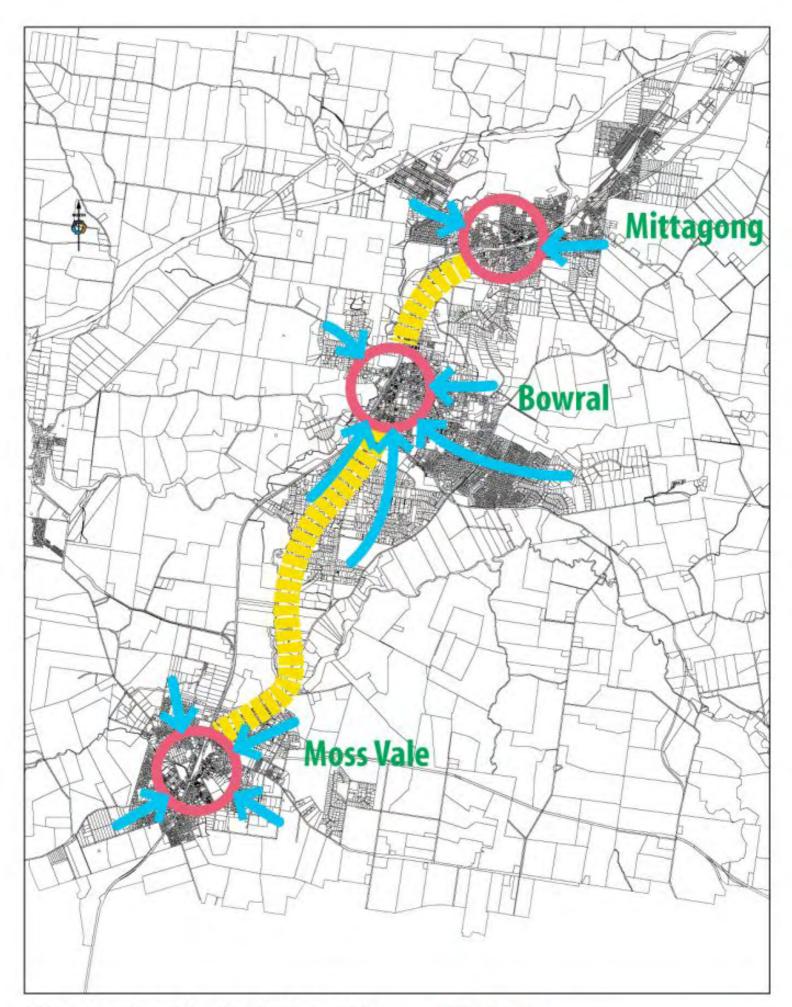
The proposed Mittagong, Bowral and Moss Vale Bicycle Network consists of five elements:

- Linking Mittagong, Bowral and Moss Vale. In response to the Social Plan and the needs identified by the stakeholders, there is a clear need for a continuous shared path from Mittagong to Moss Vale. Some of the path exists, some of it needs upgrading, some of it is included in existing plans and some of it is newly identified in this plan. It will form the spine for pedestrian and bicycle access between the three towns:
- Main Feeder Routes. Connecting routes branching off from the demonstration project to link Welby, Willow Vale, Renwick, East Bowral and Burradoo;
- Local Access Connections, to link the demonstration project with key places of interest such as the schools, pools, playing fields, main shopping areas and main employment areas;
- Urban Recreational Routes, to enhance and extend sections of the Bong Bong Track; and
- Regional Links and Tourism Routes, including the development of the Mittagong to Picton Rail Trail and a series of routes to Berrima the Berrima Double 8 Loop.

Specific details for these five route categories are provided in the following sections.

With regard to the urban routes, there are generally three types of routes with their own network function as shown in **Table 5.1**.

The Bicycle Strategy stresses the importance of separation as a key to providing much needed operating space for bicycles (**Figure 5.1**).

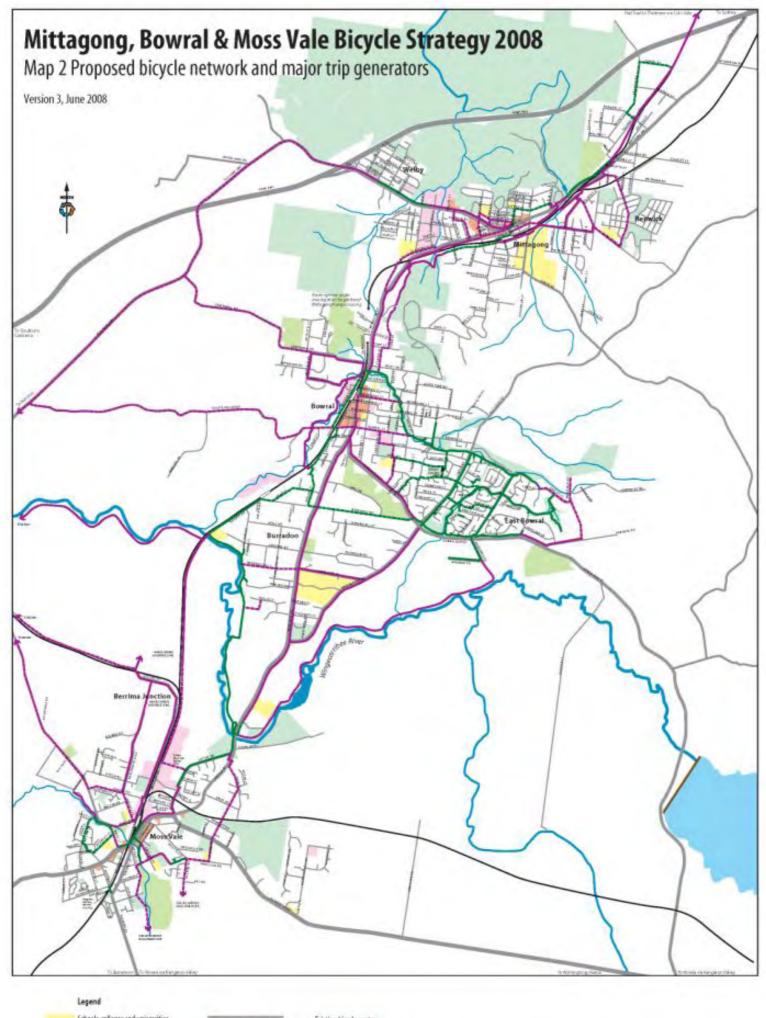


Wingecarribee Bicycle Strategy 2008 Map 1 Bicycle network strategic development











Roads and streets
Route siting
Path On-road Off-road
in park Lanes or path adj
shared to road

Panned bicycle routes







Table 5.1 - Urban bicycle routes and their network function

Parameter	Regional routes	Local routes	Bicycle friendly streets and neighbourhoods
Basic characteristics	High-quality, high-priority routes permitting quick unhindered travel between the major centres of the municipality and to key centres within the surrounding region	High quality routes connecting residential streets and trip generating locations to regional bicycle routes and providing circulation within the municipality.	Providing easy local access to local residences and trip destinations in a 'low stress' environment
Transport function	Movement primary, access	Movement and access	Access primary,
	secondary	equal	movement secondary
Priority	High	Medium	Low
Place connections	Regional centres and major transport nodes	Urban centres, employment, schools, entertainment, cultural, transport	Individual homes, buildings and open space
Spacing of facilities	500 – 800m	300 – 500m	Integrated with local street system
Choice of route	Choice of two routes.	Choice of two routes	Less than 250m to a local or regional route
Continuity of movement	High	Medium	Low
Service linkage to major transport nodes	High priority. Primary linkage may be via connecting local route	High priority	Linked though network
Operation	30 km/h or more.		
Dual on-road and off- road travel paths through intersections	20-30 km/h	Less than 20 km/h	
Target trip length	> 3km	0 – 3km	< 100m
User skill required	Low to high	Low to high	Low
Maintenance	Pavement maintenance similar to regional road standard	Pavement maintenance similar to local road standard	Depends on location and traffic load

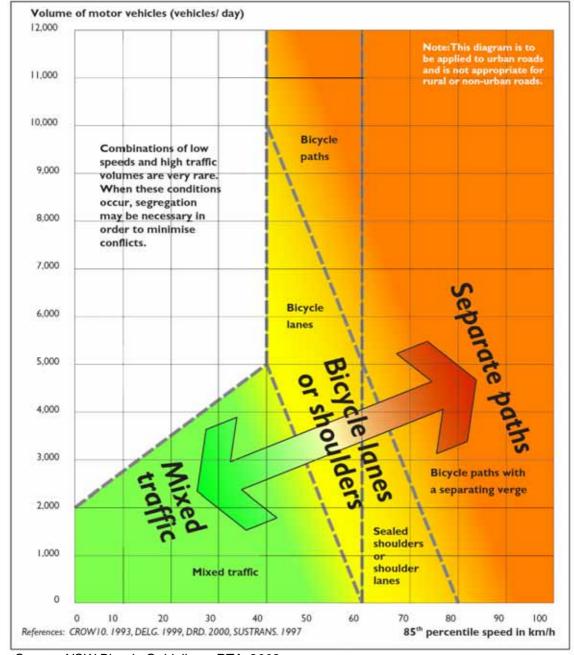


Figure 5.1 - Methods of Separation

Source: NSW Bicycle Guidelines, RTA, 2003

5.2 Linking Mittagong, Bowral and Moss Vale

Linking the three towns of Mittagong, Bowral and Moss Vale will provide a strategic cycling corridor through the heart of the Wingecarribee Shire. This route will form one of the 'main roads' of the bicycle network by means of a continuous generally off-road facility. There is a need for with good crossing facilities at side streets.

Council has already made a strong commitment to the route, with a recent extension of the Bong Bong Track into Moss Vale along Suttor Road (**Figure 5.2**).

Within the town centres, on-road facilities may be appropriate as speeds are slower and shared paths are not suitable due to pedestrian movement patterns (**Figure 5.3**).

Appendix F details the proposed facilities for *Linking Mittagong, Bowral and Moss Vale*. The following comments are offered for consideration:

- The route generally consists of an off-road path on the eastern side of the main roads linking the three towns, including:
 - 1950m existing path of sufficient width, including the recently completed section along Suttor Road, Moss Vale, to be signed and marked for shared use;
 - 2650m of existing narrow path that needs to be widened to at least 2.0m and signed and marked for shared use;
 - 2000m of new shared path from Wingecarribee River to Eridge Park as part of current Council budget allocations for 2008/2009; and



- 8400m of new path (not currently budgeted), including a detour via Kangaloon Road and Eridge Park Road, which also serves as a Main Feeder Route from Bowral and Bong Bong to East Bowral.
- The three town centres present difficult environments and each requires a different approach:
 - Approaches to Mittagong mixed traffic on most local streets around the town centre to provide the required access; additional crossing facilities are required, possibly using traffic signals (the two main roads in the town centre present difficult cycling environments and no alternate facilities can be readily accommodated, although this would be desirable):
 - Bowral town centre 450m bicycle shoulder lanes from Merrigang Street to Banyette Street;
 - Moss Vale town centre 800m shared path on the western side of the Highway from Valetta Street to Watie Street, including significant improvements to crossing facilities at side streets, driveways and across the Highway at strategic locations; and
 - The works in the Bowral and Moss Vale town centres may be eligible for (joint) RTA funding through the 40km/h High Pedestrian Activity Area program (refer Section 3.5).





- The proposal includes three alternate routes:
 - Mount Gibraltar Reserve a mixture of mixed traffic along quiet residential streets and new path along the existing fire trail (Priority 3);
 - Old Bowral Road bicycle shoulder lanes (Priority 3);
 and
 - Detour via Kangaloon Road and Eridge Park Road short term shared path alternative to avoid the steep ascent and cutting south of Burradoo Road (Priority 1).
- A fourth alternative includes the second railway tunnel between Mittagong and Bowral (**Figure 5.4**). The tunnel is currently in use for mushroom farming, with a long term lease. The merits of the various alternative route options will need to be researched in detail once the strategy has been adopted.
- 66 Other major works elements include:
 - Replacement of the two roundabouts in the Bowral town centre by traffic signals - pedestrians and roundabouts don't mix;
 - Widening of the bridge of Wingecarribee River at Bong Bong; and
 - Improvements for pedestrians and bicycles at the railway level crossing at Suttor Road.



Figure 5.4 - Twin Railway Tunnels north of Bowral

Photo by Helmut Rohde, November 2005

5.3 Main Feeder Routes

In network terms, the *Main Feeder Routes* supplement the link between the three towns to complete 'main roads' network of the bicycle network. Again, there generally is a need for off-road facilities due to traffic speeds, composition and volumes.

Figures 5.5 and 5.6 show the existing pathway to East Bowral and the recently completed crossing facility on the Old Hume Highway at Mittagong.

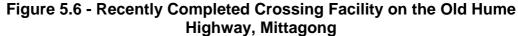
Appendix F details the proposed facilities on the *Main Feeder Routes*. The following comments are offered for consideration:

- There is a total of 9 links or groups of links, including:
 - Renwick Links,
 - Welby Link,
 - Burradoo Road,
 - Bong Bong to East Bowral River Trail,
 - Throsby Park Trail,
 - Berrima River Trail,
 - Whites Creek Trail,
 - Chelsea Gardens Link,
 - Moss Vale Enterprise Zone Loop;



Figure 5.5 - Existing Pathway at East Bowral

- This involves a total of 29.5km of new pathway, 3.0km of which is included in current Council budget allocations (the Welby Link and part of the Throsby Park Trail);
- The section along Ferguson Crescent (1.5km) has been allocated Priority 1 status due to its current usage levels;
- The remaining links have been allocated Priority 2 or 3 status and have been included for strategic planning purposes. Early opportunities for implementation may arise such as through regular road and footpath maintenance and upgrading programs, developer contributions, grant programs, etc;
- There is a further 6.0km of on-road facilities, generally as mixed traffic to guide cyclists through quiet back streets; and
- The Moss Vale Enterprise Zone works include a new offroad path forming a loop on Lackey Road, Collins Road, Douglas Road, Beaconsfield Road, Garrett Street and Innes Road, along with an upgrade to the footpath on Lackey Road between Parkes Road and Argyle Street adjacent to the railway station.





5.4 Local Access Connections

Local Access Connections link the main link between the three towns and the main feeder routes with key places of interest such as the schools, pools, playing fields, main shopping areas and main employment areas.

They are normal streets and roads which have had minor engineering improvements made to them to enable bicycle riders to get to trip destinations more easily and with less stress than on the existing road network.

Local routes connect local streets to regional routes and extend the network 'web' further out into the municipality.

A bicycle route passing through a local street is beneficial to residents because of the humanising influence and greater level of citizen supervision from people on bicycles as opposed to noisy polluting motor vehicle through traffic.

Bicycle and pedestrian links between cul-de-sacs provide a competitive advantage and encourage travel on foot and by bike (Figure 5.7 and 5.8).



Figure 5.7 - Existing Link between Cul-de-Sacs at East Bowral

Appendix F details the proposed facilities on the *Local Access Connections*. The following comments are offered for consideration:

- The proposed works mainly consist of mixed traffic facilities with signs and markings at intersections only;
- In addition to a 2.9km long section of new pathway in Bowral (west) as part of a current development application (Priority 3), there are a number of other short sections of new off-road pathway which have been added, including:
 - Southey Street, Mittagong (extension of existing path),
 - Stanley Park, link from near existing cycleway bridge to Bowral Road,
 - Albert Street road reserve, link from Shepherd Street to Bowral Road and then to the existing path with a bridge over the rivulet to Farmborough Close,
 - Philip Street to the Bong Bong Track along the Wingecarribee River (included in current Council budget allocations, Priority 1),
 - Werrington Road to the Bong Bong Track along the Wingecarribee River,
 - Charlotte Street to Eridge Park Road adjacent to Chevalier College Catholic School and the playing fields (off-road due to busy on-road area),
 - Extension of the East Bowral pathway network further east along Kangaloon Road and Mansfield Road,
 - Argyle Street between Suttor Road and Church Road, Moss Vale,
 - Kirkham Street and Narellan Road, Moss Vale (behind the oval),
 - Crossing of railway line at Parkes Road (currently closed for safety but a candidate for investigation of suitability for signalised pedestrian crossing),
- Local links to Bike Ed facility in Stephens Park have been provided which would predominantly involve signage together with on-road facilities including along the following roads:
 - Hansen Street.
 - Park Road,
 - Derby Street; and
- Unless otherwise noted, all works have been allocated Priority 3 and have been included for strategic planning purposes. Early opportunities for implementation may arise such as through regular road and footpath maintenance and upgrading programs, developer contributions, grant programs, etc.

Figure 5.8 - Potential Link between Communities across the railway at Young Street, Moss Vale



5.5 Urban Recreational Routes

The proposals for urban recreational routes centre on improvements to and extensions of the Bong Bong track, including:

- Improved signs and markings of the existing on-road section along Kirkham Road, Bowral Street, Station Street, Funston Street, Railway Parade, Nerang Street, Yean Street and Burradoo Road;
- Long term provision of an off-road path west of the railway, linking the existing path end points at the pool and Nerang Street. Note that Brickworks have been conditioned to construct a section of the Oxleys Hill Road and Burradoo path; and
- New and improved crossing facilities at strategic locations.

Appendix F details the proposed facilities on the **Urban Recreational Routes**.



Figure 5.9 - Bong Bong Track at Burradoo

5.6 Regional Links and Tourism Opportunities

Although the focus of this report is on the development of the bicycle network in Mittagong, Bowral and Moss Vale, the stakeholder workshop indicated a strong interest in regional cycling, both for tourism and general recreation. As a starting point, two key opportunities have been identified in close proximity to the three towns, including:

- The Berrima Double 8 Loop; and
- Mittagong to Picton Rail Trail (to LGA boundary).

These opportunities are summarised below, with further details shown in **Appendix F**.

Berrima Double 8 Loop

This route follows the Old Hume Highway, Berrima Road, Douglas Road, Oxley Hill Road, Centennial Road and along the railway corridor between Collins Road, Moss Vale to the Bong Bong Track at the Wingecarribee River. New sections along this route are located predominantly on rural roads and would require works such as shoulder sealing and road resurfacing to upgrade this route to an acceptable condition. Once established, parts of this route could operate as closed circuits ideal for racing and training.

Mittagong to Picton Rail Trail

This route includes a new path from Swan Street, Willow Vale to Government Road, Braemar and then along the railway corridor to Colo Vale, Hill Top and Balmoral Village and beyond the LGA boundary to Picton.

The development of the Mittagong to Picton Rail Trail provides a strategic tourism and recreational opportunity for the whole region and requires specific attention.

Similar trails in Victoria and Western Australia have been very successful and draw large numbers of people into all the surrounding towns, particularly during special horse riding, bicycle riding and walking events as well as in small quantities throughout the year.

It is understood that Tourism NSW is currently considering developing a rail trail strategy.

The Rail Trails Australia web site provides good resources for the development of the trail:

A preliminary analysis of the concept has been prepared by the Australian Cycling Sector as part of its HEAT Healthy and Active Transport proposal for the 2007 Federal Election campaign. **Appendix G** provides more detail.

Bicycle Strategy

For Mittagong, Bowral and Moss Vale

It is understood that the NSW Rail Transport Museum has a long term lease of the rail corridor between Picton and Braemar Bridge. The rail line is owned by the Rail Infrastructure Corporation with the lease managed by ARTC. The lessee and lessor require that the corridor not be alienated from use for railway purposes. The NSW Rail Transport museum plans to restore the line to use heritage trains operated by the museum between Buxton and Colo Vale.

While on the surface the plans of the Railway Museum appear to be at odds with use for cycling and walking, these user groups are naturally complementary.

It is unlikely that a heritage railway will provide daily services. Cyclists and walkers could use the train during periods of operation, while they can travel on their own steam on other days. Clearly a good tourism management program is required in terms of marketing, mapping/brochures and in-field signs, markings and signalling.

Operationally, two cross sections could be considered:

- wide cross section separate parallel tracks for trains and walkers/cyclists (Figure 5.10); or
- narrow cross section in cuttings and tunnels and on bridges dual surface with a suitable in-lay between and beside the tracks for access by walkers/cyclist while keeping the tracks accessible for trains (Figure 5.11).

A dual use development program for shared use by trains and walkers/cyclists could attract significant interest from a number of sectors, with "cocktail funding" from various government agencies, such as Tourism NSW, RTA, Planning NSW, Tourism Australia and possibly the Federal Government's recent "Infrastructure Australia" initiative (www.infrastructure.gov.au/department/infrastructureaustralia).

Figure 5.10 - Mittagong to Picton Rail Trail - Parallel Tracks at Braemar

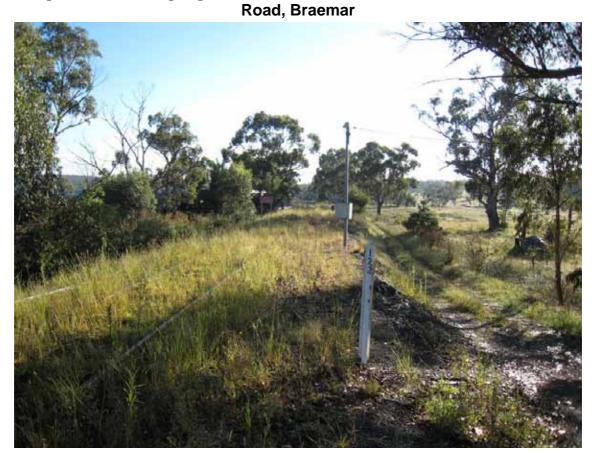


Figure 5.11 - Mittagong to Picton Rail Trail - Existing Motorway Underpass North of Braemar



5.7 Route Development Summary

Table 5.2 provides an overview of the Priority 1 items for construction during the 10 year plan period from 2008 to 2018. Details are discussed earlier in this section with the data being provided in **Appendix F**.

The following comments are offered for consideration

- Total cost of the Priority 1 works is \$8.2 Million, which includes:
 - \$0.9 Million for currently budgeted works between 2008-2010, excluding the recently completed Suttor Road pathway,
 - \$6.6 Million for new and improved pathways and related facilities to link the three towns (17.6km in total), noting that in the 10 year plan period the path detours via Kangaloon Road and Eridge Park Road to avoid the steep ascent and the cutting,
 - \$0.6 Million for a new pathway along Ferguson Crescent and Inkerman Street, which currently carry significant pedestrian volumes,
 - \$33,000 for improvements to the on-road sections of the Bong Bong Track from Burradoo Road to the crossing of Bowral Road at Mittagong Creek,
 - \$85,000 for improved access to the Stephens Park Bike Ed facility;
- Assuming 50-50 shared funding by Council, these works would require a Council budget allocation of \$410,000 per annum:
- This level of budget allocation appears to be in line with Council's current program, which includes for example \$495,000 for the extension of the Bong Bong Track from the River to Eridge Park in 2008/2009, which is just below the three year average (**Table 5.3**). It is noted, however, that most of Council's funding allocations are available through Section 94 contributions rather than its own resources:
- Priority 2 and Priority 3 items can be funded in the longer term. They have been included in **Appendix F** for strategic planning purposes. Early opportunities for implementation are likely to arise through a range of programs such as regular road and footpath maintenance and upgrading programs, formal planning instruments, grant applications, etc;
- The Mittagong to Picton Rail Trail is a longer term opportunity, but deserves specific attention through tourism development programs with Tourism NSW. The Australian Cycling Sector HEAT proposal (**Appendix G**) details further opportunities for collaboration;

- The cost estimates are indicative and suitable only for strategic budgeting purposes. There may be opportunities for cost reduction by providing narrower paths (minimum 2.0m), reducing signs and markings or by using alternate path surfaces. Unsealed surfaces, such as decomposed granite are much cheaper to install, while still providing a smooth riding and walking surface. However, such surfaces have high annual maintenance costs and life-cycle costing appears to offer negative long-term benefit (refer Table 8.2, NSW Bicycle Guidelines, RTA 2003); and
- Feedback received during community consultation indicated a desire for local and sustainable materials to be used in the construction of bicycle paths. This was suggested due to environmental concerns as well as the lower cost of installation allowing more routes to be established for the same cost. As noted above, natural unsealed surfaces are cheap to install but have high maintenance costs. Each new path location in the bicycle strategy will require an individual assessment taking these issues on board.

Recommendations

- Investigate the provision of sufficient funds for the construction of the Priority 1 works over the plan period from 2008 and 2018, including regular Council budget allocation and external funding sources such as grants, joint funding programs, etc (refer **Section 8**);
- Develop suitable management programs to recognise early implementation opportunities for Priority 2 and 3 works as they arise, eg through regular road and footpath maintenance and upgrading programs, formal planning instruments, etc;
- Establish an inter-agency project team to explore and guide the development of the Mittagong to Picton rail trail; and
- Expand the Bicycle Strategy to include the whole of the LGA, including other towns, links between towns and regional recreational, tourism and sporting routes and rides.

Table 5.2 - Bicycle Strategy, Priority 1 Items 2008-2018

Route	Section	Description	Total Distance (m)	Priority 1 Item Cost (2008-2018)
	ong, Bowral and Mos			,
Mittagong - Bowral - Moss Vale Route	Mittagong - Murray Vale Track, extend from Hawkins Dr to Beatrice St	widen pathway, crossing at Beatrice St	400	\$117,820
	Mittagong - Murray Vale Track, Alfred St & Alice St	mixed traffic, intersection treatments, signs and markings	1,100	\$9,930
	Mittagong Town Centre	improved area-wide bicycle access with signalised bike / ped crossings at Old Hume Hwy and Bowral Rd	2,150	\$342,690
	Mittagong (Bessemer St) to Bowral (Merrigang St)	shared pathway, part existing, path widened, part new, new crossing facilities	4,100	\$1,358,210
	Bowral Town Centre	Bicycle shoulder lanes; replace roundabouts with signals at Merrigang St and Banyette St	450	\$614,140
	Bowral (Banyette St) to Moss Vale (Valletta St), via Kangaloon Rd and Eridge Park Rd	shared pathway, part existing, path widened, part new, new crossing facilities, Wingecarribee River Bridge widening	10,590	\$4,320,830
	Moss Vale Town Centre	Valetta St to Watie St - shared path west side, including localised widening, signs and markings at driveways, crossing facilities on side streets and of the Hwy	800	\$324,120
Total - Linking Mittagong, Bowral and Moss Vale 19,590 \$7,087,74				\$7,087,740
Main Feeder Routes			•	
Renwick Links	existing high use section along Ferguson Cr	new path	1,500	\$617,240
Welby Link	Old Hume Hwy	develop pathway in accordance with Council plans and budget (part existing, part new/improved)	2,500	\$200,000
Throsby Park Trail	Illawarra Hwy from Argyle St to James St	budgeted new path	500	\$124,000
Total - Main Feeder Routes 4,500 \$941,24				\$941,240
Local Access C		maissed traffic interesting	4 400	CO 4 OOO
Bowral	Stephens Park Bike Ed Facility	mixed traffic, intersection treatments, signs and markings	1,100	\$84,900
Burradoo	Philip St	pathway to River	300	\$82,500
Total - Local Access Connections 1,400 \$167,400 Urban Recreational Routes				
Bowral	Bong Bong Trail Improvements	Improved signs, markings and crossing facilities	3,800	\$33,100
	ecreation Routes		3,800	\$33,100
Total - Regional Links and Tourism Routes				\$-
GRAND TOTAL			29,290	\$8,229,480

Table 5.3 – Summary of Council Pathway Budget 2007/2008 to 2009/2010

Year Provided	Location	Proposed Works	S.94	Council	Total
Mittagong,	Bowral and M	oss Vale			
2007/08	Moss Vale	Construct cycleway from Existing Bong Bong Track to CBD along Suttor Rd – 1,650m	\$410,000	\$-	\$410,000
2008/09	Burradoo	Phillip St pathway link to Bong Bong Track shared pathway	\$82,500	\$-	\$82,500
2008/09	Burradoo	Bong Bong Track cycleway link to Eridge Park (2 km)	\$495,000	\$-	\$495,000
2008/09	Mittagong	Stage 1 shared pathway link extension from Welby to CBD & Lake Alexandra	\$200,000	\$200,000	\$400,000
2009/10	Moss Vale	Recreation pathway along Illawarra Hwy to James St 500m	\$124,000	\$-	\$124,000
Subtotal		\$1,311,500	\$200,000	\$1,511,500	
Other Area					
2007/08	Bundanoon	Stage 1 shared pathway extension from Oval to railway pedestrian crossing and missing link along Ellsmore Rd – 500m	\$124,000	\$-	\$124,000
2007/08	Robertson	Pathway from Hampden Park to High St along Caalong St - 700m	\$129,000	\$-	\$129,000
2008/09	Berrima/ New Berrima	Gravel Pathway linking the villages (Previous plan funds - not in s.94 plan)	\$30,000	\$-	\$30,000
2009/10	Bundanoon	Stage 2 shared pathway linkages from Bundanoon Oval along Old Wingello Rd – 1.2km.	\$289,000	\$-	\$289,000
Subtotal			\$572,000	\$-	\$572,000
GRAND TOTAL			\$1,883,500	\$200,000	\$2,083,500

6 SUPPORTING INCREASED BICYCLE USE

6.1 Support Program

Supporting increased bicycle use is the "software" component of the bicycle strategy which helps bicycle riders to use the "hardware" - the bicycle network and the road system generally. The Bicycle Strategy proposes a five-point support program designed to assist both the community and visitors to the region to share in the benefits of cycling (and walking) in and around the Shire and ensure a thorough and coordinated implementation of the Strategy as a whole.

A number of these recommended programs and initiatives support and encourage cycling by seeking to improve the operating skills of new and existing bicycle riders of all ages. Other programs provide support in the form of practical information such as maps and guides while others encourage and celebrate cycling in the region with events and activities.

Some programs and initiatives will be directly undertaken by Council in partnership with external organisations and the community while others will be undertaken by third party organisations with encouragement from Council.

Further to the above, the community consultation process identified strong support for the consideration of the needs of other cyclist types, including mountain bikers, BMX riders, road cyclists and track cyclists. Council has noted that it prioritises facilities for these riders, such as BMX tracks and criterion tracks, based on the interest shown by the community along with public safety. Any proposals for establishment of new track facilities would need to be investigated further through consultation with interest groups.

Table 6.1 provides a detailed overview of the recommended support program.

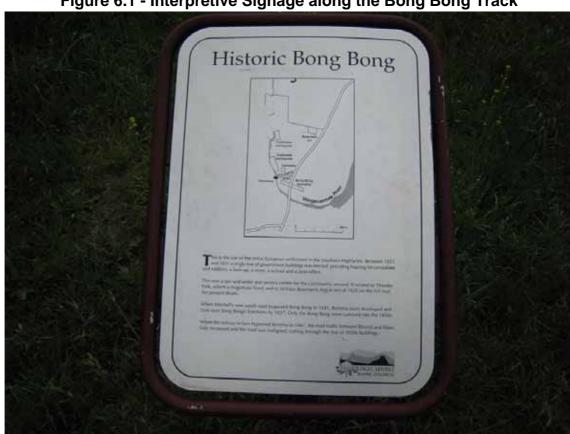


Figure 6.1 - Interpretive Signage along the Bong Bong Track





Table 6.1 - Support Program

Ohicativa	Decemmended program or initiative	Doute*
Objective	Recommended program or initiative	Partners*
1. To increase community	Wingecarribee Cycling Central - An	Wingecarribee Council Southern Highlands Visitor
and visitor information,	information-rich web based resource for	Southern Highlands Visitor
education, awareness	cycling in the Southern Highlands, which	Information Centre
and basic skills	aims to provide links to the Strategy's	Southern Highlands Bicycle
	support programs and initiatives. A good	User Group
	opportunity exists through Council's	 Southern Highlands Cycle Club
	tourism website, www.southern-	Ben Mikic Foundation
	highlands.com.au, which could also include	
	downloadable cycling maps.	
	Bicycle Map - showing recommended	 Wingecarribee Council
	bicycle routes. Available in printed paper or	 Southern Highlands Bicycle
	downloadable from Council's website	User Group
		 Southern Highlands Cycle Club
		 Ben Mikic Foundation
	Ride to the shop - maps showing	Wingecarribee Council
	recommended routes to get to the "Main	o Chamber of Commerce
	Street" shops in Mittagong, Bowral and	
	Moss Vale	
	Ride for fun - a guide to outdoor	Wingecarribee Council
	recreational facilities (bike paths, parks,	Dept of Sport & Rec
	reserve etc) easily accessible by bike or	Health Promotion Services,
	walking. Including bicycle-friendly parks	South Western Sydney Area
	and places to ride.	Health
	Getting fit in Wingecarribee - a guide to	Fitness industry companies
	fitness and recreational sites in	Wingecarribee Council
	Wingecarribee accessible by bicycle and	Southern Highlands Bicycle
	walking. This would also refer to	User Group
	recommended road/training routes centred	Southern Highlands Cycle Club
		Ben Mikic Foundation
	on the Southern Highlands.	
	Introduction to evoling 'give it a gel'	Local bicycle businesses Wingaparribae Council
	Introduction to cycling - 'give it a go!' - a	Wingecarribee Council Courth and Lighter do Disusta
	series of 'experiences' for beginners to	Southern Highlands Bicycle Haar Crown
	introduce them to the joys of cycling and to	User Group
	address their issues and concerns.	Southern Highlands Cycle Club
		o Ben Mikic Foundation
		o private trainers
		o BNSW
	D'I - D'I - C	o racing clubs
	Ride a Bike - promoting courses for	Wingecarribee Council
	children and adults to train and improve	o private trainers
	riding skills. Improvement of kids' bike	o TAFE/Education Dept
	education track in Hansen Street. Other	o Health Promotion Services,
	opportunities include the Bong Bong Track	South Western Sydney Area
	and the East Bowral route.	Health
	Signs and Art Work in parks to promote	Wingecarribee Council
	safe cycling and the work by local artists	o Local artists
	Wingecarribee Heritage Trail - a self	Wingecarribee Library
	guided bicycle tour of historic sites in and	Southern Highlands Visitor
	around Mittagong, Bowral and Moss Vale.	Information Centre
	Interpretive signage is a key element	 local historic society
	(Figure 6.1).	Southern Highlands Bicycle
		User Group
		Southern Highlands Cycle ClubBen Mikic Foundation
	Driver education - Promote to motorists	Wingecarribee Council
	the road rules and responsibilities for	o RTA
	sharing the road with cyclists.	o Police
2. To encourage practical	Ride to Work - based on the successful	o BNSW
use of the bicycle as	BV program which encourages workplaces	Bicycle Victoria
transport to school and	to set up self help groups	o business community
work	to cot up con holp groups	o unions
	I	5 W. HOTTO

Objective	Recommended program or initiative	Partners*
	Ride to school - TAGs Transport Access	Wingecarribee Council
	Guides (bicycle and walking map for	o private and public schools and
	schools) showing suggested routes and	P&Cs
	other sustainable transport information.	o RTA and other State Govt depts
	Based on stakeholder feedback during the	o Health Promotion Services,
	consultation process there appears to be strong interest from the local area health	South Western Sydney Area Health
	service. RTA's website provides valuable	i lealtii
	guidance for the development of TAGs:	
	o http://163.189.7.150/doingbusinesswithu	
	s/managingtraveldemand/transportacces	
	sguides/index.html Ride to work - TAGs Transport Access	Wingecarribee Council
	Guides for major employment areas	o major corporations
	showing suggested bike routes and other	o chamber of commerce
	sustainable transport information.	 Comm Dept of Workplace Rels
	Wingecarribee Bike Buddies - a simple	o Southern Highlands Bicycle
	self help scheme to assist individuals to get	User Group
	going on their cycle to work	 Southern Highlands Cycle Club
		Ben Mikic Foundation
	Wingsonwikes Oking Occurry 1 1 1 1 1	o BNSW
	Wingecarribee Shire Council - leading	Wingecarribee Council City of Sydnoy pilot program
	by example. Council to set up a program	City of Sydney pilot programBNSW
	to encourage staff to ride to work and for short work trips. This has been successful	OBINOVV
	in Sydney, Brisbane and many other	
	places of work. Wingecarribee is ideally	
	suited to this due to the very high	
	proportion of local employment. Also, refer	
	Figure 3.1 for cycling and walking	
	catchment areas.	
	Ride to School - Getting kids back on	Wingecarribee Council
	bikes and parents cars off the streets. The	o Education Dept
	NSW Government SPANS program	o Health Promotion Services,
	provides a valuable resource for the local	South Western Sydney Area Health
	health services. The Premier's Council on Active Living may be able to assist:	Aust Govt agencies
	o www.pcal.nsw.gov.au	O Aust Govt agencies
3. To provide opportunities	Ride around Wingecarribee [#] - Small	○ Southern Highlands Bicycle
for the community to	group rides in the area hosted by the	User Group
ride in Wingecarribee [#]	Southern Highlands Bicycle User Group in	 Southern Highlands Cycle Club
_	conjunction with the Southern Highland	Ben Mikic Foundation
	Cycle Club and the Ben Mikic Foundation.	 Wingecarribee Council
	The Ben Mikic Foundation's Ride of	Southern Highlands Visitor
	Silence is a good example (Figure 6.2)	Information Centre
	Bike Sunday (Cyclovia)# -	Wingecarribee Council Southern Highlands Visitor
	Wingecarribee's Annual bike day (possibly but not necessarily during bike week) to	 Southern Highlands Visitor Information Centre
	encourage the whole community to get out	business community
	and enjoy their towns on a bike. The basic	o café and restaurant owners
	concept is a ride to breakfast and is	Southern Highlands Bicycle
	promoted through cafes and restaurants.	User Group
	Could be rotated around the towns or in all	Southern Highland Cycle Club
	towns simultaneously. Main Streets in each	 Ben Mikic Foundation
	town could be car-free for a significant part	o RTA
	of the day.	
	Bicycle sport events [#] in and through the	Cycling Australia Court and Limbon do Cycle Club
	Wingecarribee LGA	Southern Highlands Cycle Club Sports promotors
		o Sports promoters
		Wingecarribee Council Southern Highlands Visitor
		Information Centre
		NSW Institute of Sport
		Racing clubs
	I .	

Bicycle Strategy For Mittagong, Bowral and Moss Vale

Objective	Recommended program or initiative	Partners*
To improve and expand bicycle parking and supporting infrastructure	Improve and expand the level and quality of bicycle parking in the public domain (refer Section 5.3)	 Wingecarribee Council Southern Highlands Bicycle User Group Southern Highland Cycle Club Ben Mikic Foundation
	Enable wider community participation in Council's bicycle rack installation program, eg: BIKEast provided detailed advice to the City of Sydney on bicycle rack locations based on extensive field-work; sponsor a bike rack.	Wingecarribee Council Southern Highlands Bicycle User Group Southern Highland Cycle Club Ben Mikic Foundation
	Require and encourage the private sector and government agencies to provide bicycle parking and end-of-trip facilities in and around their buildings	Wingecarribee Council State Govt agencies private sector (major employers)
	 Develop effective strategies to reduce bicycle theft including: Availability of secure bike parking facilities The use of high security locking devices by bike riders Effective stolen bike recovery system and policing Lack of a ready market for stolen bikes. If and when bicycle theft becomes an issue, a joint program is required with Council, the Bicycle User Group and the Police. 	 Wingecarribee Council Southern Highlands Bicycle User Group Southern Highlands Cycle Club Ben Mikic Foundation Police
5. Promote Bicycle Tourism, Sport and Events	Velodrome Upgrade to Australian standard	Wingecarribee Council Southern Highlands Cycle Club Cycling Australia NSW Institute of Sport
	Encourage and support the development of bicycle tourism and sporting facilities, either as fully private initiatives or as PPP Public-Private Partnerships. Opportunities could include: BMX Track Mountain Bike Range On-road circuits for recreational and training cyclists	 Wingecarribee Council Southern Highlands Visitor Information Centre Southern Highlands Bicycle User Group Southern Highlands Cycle Club Ben Mikic Foundation CANWIN Cycling Australia NSW Institute of Sport Tourism NSW Bicycle shops Commercial operations (landowners, motels, cycle tour operators, racing clubs, etc)
6. To integrate support for the Bicycle Strategy into all areas of Council operation	Ensure coordination and integration of cycling within Council's policies and operations - GIS, internal policies, planning instruments (DCPs and LEPs), tourism strategies, staff training (refer Section 5.4)	Wingecarribee Council Southern Highlands Visitor Information Centre
	Maintenance, repair and roadworks - Hazard reporting scheme. Regular maintenance, provision for cyclists in road works (refer Section 5.5)	Wingecarribee Council RTA

Objective	Recommended program or initiative	Partners*	
	Cycle Plan Working Party - monthly or quarterly meetings to discuss and develop the bicycle infrastructure and support plan and bicycle tourism	 Wingecarribee Council (Road Safety, Traffic, Social Planning) Southern Highlands Visitor Information Centre Southern Highlands Bicycle User Group Southern Highland Cycle Club Ben Mikic Foundation CANWIN Bicycle shops Police RTA 	
	Expand the Bicycle Strategy to include	Wingecarribee Council	
	other villages and rural areas	 Cycle Plan Working Party 	

^{*} Appendix A provides details of key stakeholders with an interest in assisting with the development of the Support Program

Recommendation

Conduct a detailed review of the Support Program, set target dates and allocate suitable financial and staffing resources, noting that many items are low-cost management programs or "low hanging fruit".

6.2 Improving and Expanding Bicycle Parking

People who ride regularly or casually need more than a network of bicycle routes. They also need secure places and parking facilities to store their bicycles at either end of the trip. Where riders use their bikes to get to work over longer distances they also need end of trip facilities such as change rooms and showers.

Improving the availability of bicycle parking and end of trip facilities is a critical element in achieving the overall objectives of the Bicycle Strategy.

Council is responsible for parking within the public domain and within its buildings. It provides parking facilities for bicycle riders as a means of encouraging sustainable transport use and as a direct response to the unsustainable growth of on-street car parking demand.

Schools and business have a responsibility for providing parking for their staff, students and customers. Council has a role to promote cycling in the area and to assist them in developing positive parking programs.

Table 6.2 lists proposed priority bicycle parking sites and their construction details. **Figure 6.3** provides an example of low cost bicycle parking retro-fitted to existing public infrastructure.

[#] All organised events require formal applications and approvals, such as Traffic Management Plans, Planning approvals and Local Traffic Committee approvals.



Figure 6.3 - Bicycle Parking Fitted to Existing Infrastructure

Table 6.2 - Bicycle parking recommendations

Туре	Location	Comments
Priority area	"Main Street" shopping strip	Survey existing and make recommendations for upgrade of facilities
Spot locations in the public domain	Parks, pools, recreation centres, Council buildings	Survey existing and make recommendations for upgrade of facilities
Spot locations on private land	Large schools, large workplaces, recreational businesses such as private health facilities, gyms and pools	Encourage land owners to install racks and to encourage their students, employees and patrons to ride

6.3 Statutory Planning Requirements for Bicycle Facilities

The provision of bicycle facilities as part of new development approvals can be regulated by a number of Council statutory planning instruments, including:

- **Warious Development Control Plans;**
- Section 94 Contributions Plan;
- Social Plan.

 So

It is understood that some of these plans are currently under development, which provides important opportunities for inclusion of bicycle and pedestrian facilities, both for network development and for trip end facilities, both as part of public infrastructure and within private developments. Integration with public transport is also important.

Early discussions with Council's consultants and a preliminary review of the available draft documents indicate that these opportunities have not yet been realised and there is a need for a more detailed review.

In addition to the above Council planning instruments, the Planning department within Council should ensure that future developments make allowance for through ways at the end of cul-de-sacs and easement allowances for tracks.

The NSW Planning Guidelines for Walking and Cycling (DoP 2004) provides useful information to assist in this process. For bicycle parking, it advocates a methodology based on the number of people using buildings - employees, customers, guests, students etc. There are strong planning guidelines for pedestrian and cycling catchment mapping, which help determine urban densities and thus the viability of businesses and community facilities within walking and cycling range (**Figure 6.4**).

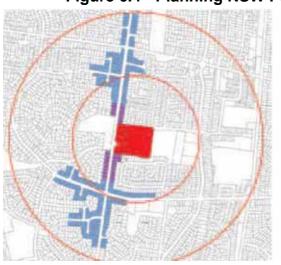


Figure 6.4 - Planning NSW Pedestrian Catchment Mapping



6.4 Integration with Council Operations/Processes

It is a vitally important outcome of any formal planning process that projected bicycle infrastructure works and programs are integrated with other Council plans and procedures. Proper and detailed planning often results in cost savings to the Council and residents when works can be carried out as part of major new capital works construction, periodic maintenance or infrastructure upgrades.

To ensure the maximum integration of cycling provision across all operational departments of Wingecarribee Shire it is recommended that:

All bicycle routes and recommendations for physical infrastructure improvements be included in Council's geographic information system (GIS) to ensure all future works are be coordinated with other street improvements, including road resealing and maintenance works. Council are to coordinate with the RTA to ensure that this also applies to works undertaken within the Shire by the RTA;

- Key Council staff be progressively encouraged to attend the RTA training courses, "Designing for Bicycles and Pedestrians" for technical staff, and "Bicycles and Pedestrians for Managers" as part of their normal training requirement;
- Review Council's road and path based engineering standards to ensure that bicycle riders are always included and implicitly planned for. This is to ensure that roads and facilities which are potentially hazardous to bicycle riders are not inadvertently installed. This particularly applies to road-lane widths, intersection layouts, path clearances/widths etc:
- Inclusion of provision for cycling in all future Council plans and developments;
- Council review all its draft statutory planning instruments to include provision for cycling and walking as discussed in **Section 6.3**:
- Develop internal process and procedures whereby all Council departments can coordinate and support the development and delivery of their separate cycling programs and projects;
- Continue and promote Council's existing "Report-a-Hazard" scheme to ensure infrastructure defects are fixed promptly and efficiently in response to riders' needs;
- Implement a regular cycleway and footpath maintenance program to ensure that all facilities are kept in good repair;
- Continue the Council program of removal of old-style drainage grates;
- Develop a Council policy on provision for road works that includes cyclists regardless of the existence of marked bicycle routes (refer Section 10, NSW Bicycle Guidelines, RTA, 2003); and
- Integrate cycle tourism into Wingecarribee Council's Tourism Plan.

7 IMPLEMENTATION AND EVALUATION

The implementation of the bicycle network will need to be closely coordinated with the implementation of the support sections of this strategy. This coordination is essential to ensure that mutually supporting programs are delivered in a timely manner with an adequate level of funding and community support.

A program to monitor implementation of the Bicycle Strategy is recommended. Such a program will feed back into the ongoing development of the Bicycle Strategy and ideally will permit improvements and cost savings. An investigation of bicycle strategy monitoring programs used elsewhere has determined that this process would be valuable and provide feedback for Council and the community. As good as monitoring programs may seem, they require effort, involvement and commitment from Council and the cycling community. Inevitably there are additional costs.

A number of international monitoring schemes were selected for evaluation. Common to all programs is the need to have a comprehensive scheme which will report on a range of issues covered by the Bicycle Strategy, such as:

- **56** Engineering works programmes;
- Modal share;
- Bicycle crashes;
- User satisfaction levels;
- Network implementation; and
- Level of service improvements (LTSANZ 2004).

Similarly a UK assessment process (ERCDT 2004) devised for local government recommends ten criteria for monitoring and assessment:

- **Local Transport Plan and Cycling Strategy**;
- Annual Progress Report;
- Council Commitment;

- Marketing and Promotion;
- Stakeholder Engagement;
- Wider Engagement;
- Planning for Cycling; and
- Targets and Monitoring.

What many of these schemes have in common is that they have been designed as an evaluation methodology to fit the broadest range of situations, i.e. to monitor bicycle use in LGAs which often do not have a bicycle strategy in place.

Bicycle Strategy

For Mittagong, Bowral and Moss Vale

In The Netherlands, where the development of networks and supporting programs is much more advanced, the national cycling organisation with substantial governmental support has developed its Cycle Balance scheme (Fietsersbond 2001) for providing an objective assessment of the physical network. The project involves riding a specially equipped bicycle fitted with sensors and recording equipment over the existing network and measuring the results.

Recommendation

The UK methodology mentioned above, Local Authority Assessment Progress Review 2004 – Guidelines and Matrices for Assessment (ERCDT 2004) has the most relevance to the monitoring of the Bicycle Strategy implementation. It is recommended that this scheme be further assessed and modified to suit the Council's direct needs.

8 FUNDING OPPORTUNITIES

The list below provides an overview of potential funding opportunities for both the physical infrastructure and the related social plan.

There are two websites that provide further detail:

- http://www.cyclingresourcecentre.org.au/7/Funding
- http://www.cyclingpromotion.com.au/content/view/28/51/

Council

- Annual allocation for walking and cycling infrastructure; and
- Section 94 contributions.

RTA

- Regional Road Block Grants;
- Pedestrian Access and Mobility Plan;
- Black-spots and "black-areas";
- M NSW Bike Week Funding;
- 65 Co-Funding Program for bicycle infrastructure; and
- **56** Bicycle User Support.

Premiers Department

Fremiers Council on Active Living.

Sport and Recreation

- **66** Grants and financial assistance;
- Sponsorship.

NSW Health

Various scholarships, grants, funding.

DITRDLG

- AusLink Roads to Recovery Program;
- AusLink Black Spot Program;
- Strategic Regional Program;
- Regional Partnerships;
- Financial Assistance Grants;
- Infrastructure Australia fund (www.infrastructure.gov.au/department/infrastructureaustralia); and
- Sustainable Cities.

Environment & Water Resources

Many new programs being developed.

IPWEA

Road Safety Strategy (with MAA/RTA).

Bicycle Strategy

For Mittagong, Bowral and Moss Vale

Business and Clubs

- Advertising (ped bridges, bus shelters);
- Clubs NSW CDSE funding (www.clubsnsw.com.au/AM/
 ContentManagerNet/HTMLDisplay.aspx?ContentID=11935
 &Section=Community_Support); and
- → Developers.

Cycling Promotion Fund

Moreovative projects to promote and encourage cycling.

BIBLIOGRAPHY

Akehurst, John. 2002. World Oil Markets and the Challenges for Australia. Presentation by Woodside Energy Ltd at the ABARE Outlook Conference.

AUSTROADS 1999. Guide to Traffic Engineering Practice, Part 14 – Bicycles. Austroads. Sydney, Australia.

Booth 2006.1. Booth M, Okely AD, Denney-Wilson E, Hardy L, Yang B, Dobbins T. *NSW Schools Physical Activity and Nutrition Survey (SPANS) 2004. Summary Report.* Sydney. Prepared for: NSW Department of Health.

Booth 2006.2. Booth M, Okely AD, Denney-Wilson E, Hardy L, Yang B, Dobbins T. *NSW Schools Physical Activity and Nutrition Survey (SPANS) 2004: Full Report.* Sydney. Prepared for: NSW Department of Health.

COO 2006. NSW Centre for Overweight and Obesity. NSW Schools Physical Activity and Nutrition Survey (SPANS) 2004: Short Report. Sydney. Prepared for: NSW Department of Health.

CROW10 1993. Sign up for the Bike. Design Manual for a Cycle Friendly Infrastructure. Centre for Research and Contract Standardisation in Civil and Traffic Engineering. The Netherlands.

CROW 1997. *Bicycle Parking in the Netherlands*. Centre for Research and Contract Standardisation in Civil and Traffic Engineering. The Netherlands.

CSAHS 2003. Cycling to work in Sydney: analysis of journey-to-work Census data from 1996 and 2001. Telfer B, Rissel C. Central Sydney Area Health Service, Health Promotion Unit, Sydney, Australia.

DoP 2004. *Planning Guidelines for Walking and Cycling*. NSW Department of Planning. Sydney, Australia.

DRD 2000. Collection of Cycle Concepts. Danish Road Directorate. Copenhagen, Denmark.

ERCDT 2004. Local Authority Assessment Progress Review 2004 – Guidelines and Matrices for Assessment. AEA Technology for the National Cycling Strategy. London UK.

FIETSERSBOND 2001. Cycle Balance – Objective Assessment of Local Cycling Conditions. Fietsersbond (Dutch Cycling Union) Utrecht, The Netherlands.

Hurni, Anne. 2006. *Transport and social disadvantage in Western Sydney: a partnership research project.* Published by Western Sydney Community Forum.

LTSANZ 2004. Cycle Network and Route Planning Guide. Land Transport Safety Authority of New Zealand. Wellington, NZ.

National Heart Foundation Australia (2007). *Healthy by Design in Practice - a planner's guide applied to Renwick green field development*. Presentation by John Kurko NSW Division NHFA.

RTA 1999.1. Action for Transport 2010 - an integrated transport plan for NSW. Roads and Traffic Authority of NSW. Sydney, Australia.

RTA 1999.2. Action for Transport 2010 - an integrated transport plan for Sydney. Roads and Traffic Authority of NSW. Sydney, Australia.

RTA 1999.3. Road Transport Future Directions - summary report on options. Roads and Traffic Authority of NSW. Sydney, Australia.

Bicycle Strategy

For Mittagong, Bowral and Moss Vale

RTA 1999.4. *Action for Bikes – Bikeplan 2010.* Roads and Traffic Authority of NSW. Sydney, Australia.

RTA 2003. NSW Bicycle Guidelines. Roads and Traffic Authority of NSW. Sydney, Australia.

RTA-NRTC 1999. *NSW Road Rules (Incorporating the Australian Road Rules)*. Roads and Traffic Authority of NSW/National Road Transport Commission. Sydney/Canberra, Australia.

Stern 2007. *The Stern Review: The Economics of Climate Change*. Nicholas Stern, Cabinet Office - HM Treasury. Paperback. ISBN-13: 9780521700801.

TPDC 2003. Cycling in Sydney – Bicycle Ownership and Use. NSW Transport and Population Data Centre. Sydney, Australia.

TU-DELFT 2000. *International Handbook for User-Group Based Bikeway Design.* Bach B, Diepens J. Technical University of Delft. Netherlands.

Wingecarribee Shire Council (1998). DCP32 Mittagong.

Wingecarribee Shire Council (2000). DCP40 Moss Vale.

Wingecarribee Shire Council (2001). *Pedestrian Access and Mobility Plans Mittagong, Bowral and Moss Vale.* Prepared by Geoplan Services Pty Ltd.

Wingecarribee Shire Council (2002.1). DCP46 Bowral.

Wingecarribee Shire Council (2002.2). Strategic Plan.

Wingecarribee Shire Council (2004.1). Open Space, Recreation, Cultural and Community Facilities Study.

Wingecarribee Shire Council (2004.2). DCP12 Carparking RevE.

Wingecarribee Shire Council (2006.1). Social Plan 2005-2010.

Wingecarribee Shire Council (2006.2). Wingecarribee Enterprise Zone - Feasibility Study. Prepared by Parsons Brinckerhoff Australia Pty Limited.

Wingecarribee Shire Council (2007.1). Local Environmental Plan 2007. Exhibition Draft.

Wingecarribee Shire Council (2007.2). *DCP Moss Vale Enterprise Corridor - Draft*. Prepared by Connell Wagner.

 Bicycle Strategy
Bicycle Strategy For Mittagong, Bowral and Moss Vale
Appendix A - Stakeholder Contact Details

Wingecarribee Bicycle Strategy 5606

Attending	Name	Organisation
Consultant		
Yes	Dick van den Dool	Jamieson Foley
yes	Warren Salomon	Sustainable Transport Consultants
Wingecarri	bee Shire Council	
	Councillor Jim Clark	Wingecarribee Shire Council
	Councillor Nick Campbell-Jones	
Yes	Michael Brearley	Director Technical Services
No	Scott Lee	Director Environment and Planning
Yes	Mark Roebuck	Roads and Traffic Manager
Yes	Frank Perger	Traffic Engineer
Yes	Charmaine Cooper	Road Safety Officer
No	Dominic Lucas	Design and Projects Manager
Yes	Frank lacono	Design Engineer
Yes	Peter Bowmer	Parks and Property Manager
No	Mark Pepping	Strategic Planning
Yes	Margo McClelland	Strategic Planning
Yes	Steve Rosa	Tourism Manager
Yes	Miles Lockhead	Resource Recovery Manager
Governme	nt Agencies	
No	Danny Bennedetti	Road Safety & Traffic Officer - RTA Sthn
Yes	Rob Reynolds	Road User Safety Manager, RTA Southern Region
No	Carolyn New (Cycling)	Health Promotion Services, South Western Sydney
	, , , ,	Area Health
Yes	Alison Dunshea (TAGs etc)	Health Promotion Services, South Western Sydney
		Area Health
Yes	Sgt Dave Black	Mittagong Highway Patrol, NSW Police
Community	y and Stakeholders	
No	Robin Murray	Southern Highlands News
Yes	Greg Searle	SHBUG (Southern Highlands Bicycle User Group)
No	Richard Vollebregt, President	Southern Highland Cycle Club
No	Peter Tomlinson, Club Commissaire	Southern Highland Cycle Club
Yes	Phil Herd, Chairperson	Ben Mikic Foundation for Young Cyclists
Yes	Michele O'Byrne, Secretary	Ben Mikic Foundation for Young Cyclists
	-	
No	Schymitzek	Ben Mikic Foundation for Young Cyclists
Yes	Lynne Vaughan, Director	Ben Mikic Foundation, Outdoor Education Group
Yes	David Browning	CANWIN Climate Action Now Wingecarribee
Yes	Judy Nash	Bong Bong Cycles
Yes	Huw Kingston	Wild Horizons
No	Rod McGee	McGee's Cycling Store
No		Legend Cycles
No		Moss Vale Sports and Toys
Yes	Karen Wilson	Ye Olde Bicycle Shoppe
Yes	Geoff Duxfield	Southern Highland Cycle Club
Yes	Stuart May	Southern Highland Cycle Club
	Roger Bloor	Bloor Plans
24	4 Total People Attending, incl Council	and Consultants

Bicycle Strategy For Mittagong, Bowral and Moss Vale

Appendix B - Stakeholder Feedback

- **B1** Workshop Notes
- **B2** Staff Response Summary
- **B3** Submission from Ben Mikic Foundation
- **B4** Event Details for Mountain Bike Marathon

B1 Workshop Notes

B1.1 Bicycle User Group

- Four user groups:
 - roadriders
 - Families/recreation
 - Velodrome
 - MTB

B1.2 Ben Mikic Foundation

- - Remembrance
 - Share the road
- Promote good driver and rider behaviour

B1.3 CANWIN

- Bio-fuel, fossil fuel shortage
- Health next decade drop in life-expectancy
- Tonnection all the way into the heart of town
- Power assisted bikes

B1.4 Community participation

- Active aging
- 56 Southern Highlands Cycle Club
 - 170 members
 - Local riders
 - Coffee shops
 - Bike hire (4 now)

B1.5 Education

Continuity about the network/facilities: look, feels, including path widths and signage.

B1.6 Schools

- → Part of general encouragement
- Included in health, and encourages active living and healthy eating
- Park bikes
- Safe routes − Transport Action Guides
- **Meighbourhood information**
- Lighting and pathways
- Adult roles include:
- Lots of activities such as ride to school/work, training

B1.7 Tourism

- Tourism strategy being developed separately by Council in Conjunction with Wild Horizons
- Meeds to tie in with infrastructure
- Promote shire wide
- - MTB marathon
 - 1500 people
 - Major growth

B1.8 Population Aging

- Higher proportion are older
- Overall effects strong
- 65 Chose cycling for transportation rather than recreation
- Older drivers and road safety
- Right infrastructure:
 - Wider
 - Safer
 - Off road on busy streets
 - Local streets need networks
- Conflicts on paths due to motorised wheelchairs and scooters
- **Social events**
- Bicycle parking and security
- 尽力 Pockets of transport poor
- Meighbourhood issues

B1.9 Other issues

Bicycle Strategy

For Mittagong, Bowral and Moss Vale

- Mobile scooters and footpaths
- - BUG rides
 - Kids want to come back
 - Events: ride 2 school/work
- Health benefits Green Prescriptions, CANWIN
- More groups and schools
 - Bike bus
 - BUGs and clubs
 - Walking bus
 - Via bike shops
 - Council based working party

B2 STAFF RESPONSE SUMMARY

The old Great Southern Railway from Balmoral to Mittagong - where it is no longer used. The path is already laid and, aside from the blue metal and sleepers obstructing the path could be easily 'covered over' with concrete paving blocks held in place with wedges. The people from Balmoral to Mittagong would love to use/see it - as I'm fairly sure they would have thought of it as well and, with not too steep a grade through some wonderful rarely seen scenery, it would very definitely be used.

I would like to see a bike track from Mittagong through to Bowral. I guess it would have to run somewhere parallel with the railway line (to be a reasonable level for most users (especially us "oldies" who cant do hills too well...) but it would be good to be able to cycle from Willow Vale through to Bowral eventually!!

With the huge increase in senior citizens moving into this area we will need wider better footpaths and those footpaths should be capable of carrying motorized wheelchairs along the routes to and from those retirement facilities.

A cycle path from Sutton Forest village to Moss Vale along the Illawarra Highway would be great. Good for tourists, nice flat grade, and on a well known cycling route for professional cyclists who congregate at the Sutton Forest Hotel as a stop off enroute. RTA may be interested too?

We really need to continue the path from the Bong Bong Common area right around to East Bowral. Council has previously secured some strips of land but it's all a bit fragmented and a long way from being realised.

This needs to be a policy of Council and will require a report on the issue. Council will want to appreciate the budget implications and need to rank the idea with other funding priorities. At Baulkham Hills Council we did increase the width of ALL new footpaths, but only to 1.5m.

Unfortunately council simply does not have the funds to make all paths 2.0m. It is also difficult to fit a 2m path in some locations with trees, services, ground slope considerations.

As part of the cycleplan we need to carefully assess which paths are "shared paths". The minimum width for a shared path is 2.0m and this will also allow us to apply for RTA part funding but again - the RTA have very limited funds. There should be opportunities to widen "1.25m pathway" to "2.0m shared paths" in certain locations. So where new paths are identified (eg in PAMPs) and there is also a need to accommodate cyclists then sure, make them 2.0m

These sort of requirements should also be included in DCP41 - Development Specifications.

We have had a bit of a look previously along the river heading east from Bong Bong Bridge to link to Eridge Park, but National Parks were not too receptive to the idea at the time. Alternatively, there is the road reserve on Moss Vale Rd which is a bit difficult until you get over the hill at the Briars where the reserve widens out.

Bicycle Strategy For Mittagong, Bowral and Moss Vale

Eridge Park Road.

The local cycle club have a tendency to be out after dark, and instead of travelling in single file, they're often bunched up in a pack two and three a breast. This may be fine on a track or some other controlled environment, but a bit hazardous in traffic that approaches them at 70km/hr in darkness. To get them off, or at least to the edge of the road would be better for all.

Mittagong to Bowral - There is already a fire trail system that can be travelled from Mittagong to Bowral, and with a little work, it could be used by all cyclists (not just mountain bikers). Only draw back is there are some fairly steep pinches along the way. The tracks run from the western end of Railway Parade, Mittagong to Soma Ave, Bowral, which is a stones throw from the pool.

East Bowral to Moss Vale - There some pockets of council land adjacent to the Wingecarribee river, behind Eridge Park Road, that could be joined up. However, there are probably a few landholders to deal with for the rest of the track. The first pocket of land is adjacent to Cecil Hoskins nature reserve, on the northern side of the river, with another about a km or two upstream.

Burradoo to Berrima - Another for the river, would be from the Oxley college end of the existing bike track, following the river to Berrima. I've had some dealings with the landholders down there treating willows along the river. On the southern side of the river there are only two different properties, then crown land which council manages, which leads into Berrima.

Willow vale to Hilltop - Either on or along the old loop line. This would also take in Colo Vale. If you were really keen, it would be possible to go to Balmoral.

Berrima to Medway - Again along an old rail way line, this time the one that used to go out to the colliery.

A very busy road for pedestrians, cyclists and joggers is Ferguson Crescent in Mittagong. People come from Mittagong and go along the WillowVale bike track, cross over the highway and go back to town along Ferguson Cres (from the Inkerman Road end), when they exit Ferguson Crescent they then continue along the existing path on the Highway past the Tourist centre. The Willow Vale people go the opposite way. Ferguson Crescent has a lot of space for a path on the highway side of the road. The only difficult part is the two railway bridges which can be a bit scary. This will be even busier when the new Renwick development goes ahead.

The proposed connection between the end of Railway Parade Mittagong and the south western side of the Rail Bridge on the way to Bowral, appears to snake a fair distance south into the bush, due I guess to the lay of the land at that point, it is a fair distance from civilisation, safety

Whilst acknowledging Bowral Rd Mittagong is very busy with traffic, could the existing partial track that follows the road from the Bowral Rd/Old Bowral Rd Intersection (where the new lights are just south west of Ireland's Caltex) to the rail bridge not be amended and utilised, with a barricaded off crossing over the bridge prior to joining again

Bicycle Strategy For Mittagong, Bowral and Moss Vale

I doubt very much (and your plan does not propose this) it would be a safe proposal to have the path follow Bowral Rd all the way over into Bowral due to the amount of traffic that really zoom up that road. As a regular traveller, it is extremely rare to see a motorist stick to 70kph once over that bridge and heading up the straight

I like the idea of the route taking you up behind those properties and into Bowral the safer way, although the return trip up the slopes of Clarke, Cliff and Soma is going to be a killer on the legs.....but that is why we ride, no pain, no gain

Do you think a rest stop on top of the hill beside the 'Welcome to Bowral' sign could be a possibility. It is about halfway, a flat area and there is space for a couple of seats and maybe even a water bubbler. There is an area there which at present is overgrown and just a sad mess, whilst also a sign exists welcoming all to Donald Bradman's Bowral. It is a bit of an oxymoron welcoming people to the Town, when it is a pretty unwelcoming sight with weeds and untidiness, even planting of a few native plants and bushes (less likely to be removed by the crazies, and capable of surviving without too much costly care) would raise the appeal and make it look like the locals actually care

B3 SUBMISSION FROM BEN MIKIC FOUNDATION

Working on the principle that if you don't shoot for gold, you finish up as an also ran, the Ben Mikic Foundation (BMF) www.benmikicfoundation.org.au would like to make the following suggestions in regard to the future bike strategy. Firstly to establish an overarching goal which sets out to position Wingecarribee Shire as 'The most friendly towards cyclists of any shire in NSW', and with this aspirational goal set in stone, take a leadership role in creating an environment in which a range of different user bike groups participate in a wide range of cycling activities, all underpinned by an ethic that has 'safety' as its watchword. And importantly to promote the principle that vehicle drivers and cyclists have a responsibility to respect other users and share the roads equally and safely.

The BMF also suggests that Bundanoon, Robertson and the outlying villages – Welby, Braemar and Hill Top need to be included in any bike plan for the shire.

Suggested user groups that need to be catered for:

- Family cyclists and children who use the bike tracks
- Road racing cyclists who race and train on roads in the shire
- General cyclists (locals and tourists) who ride on the roads in the shire
- Mountain bike riders who train and race on mountain tracks
- General bikers (locals and tourists) who ride on the mountain tracks
- Track cyclists who train and race at the Velodrome
- ₱ BMX riders (a trial Olympic event)

In an ideal world all of these groups need to be catered for and if the shire is to become 'the friendly shire for cyclists', the needs of these different groups will need to be assessed, before strategies are considered for implementation. Some of these groups have common needs, although there are differences that need to be recognised.

This proposal is obviously a considerable expansion on the original brief outlined for the Bicycle Plan and Pathway Development Strategy, but if the suggested long term goal is accepted, strategies that set out to achieve this goal would or should produce a number of benefits. For example:

- A reduction in the number of accidents
- Increased cycling activity amongst the 7 key user groups within the local population
- Increased tourist and visitor cycling activity across the 7 key user groups

Bicycle Strategy

For Mittagong, Bowral and Moss Vale

An increase in local business

And the image of Wingecarribee Shire would be enhanced when its reputation as 'the Shire most friendly to cyclists' became more widely known.

Without thinking too deeply about potential strategies that could be implemented to address the needs of the key user groups and to begin working towards the achievement of the suggested goal for the shire; as a start the BMF would like to request that consideration is given to the following actions:

- As a priority establish a safe cycle track from Mittagong to Bowral
- Identify black spots in the shire for cyclists in conjunction with the SHCC and take action to remedy
- 56 Display signs stating law in regard to roundabouts
- Resolve the issue of traffic flow at the Bessemer St/Bowral Rd crossing
- Upgrade the Velodrome (to get kids off the roads and expand its usage by senior riders)
- Expand areas for creating mountain bike tracks and work to make the Southern Highlands a mountain bike mecca (to get kids off the roads and cater for the different categories of mountain bikers)
- Establish a site for a future BMX track in the Highlands (to get kids off the roads and interest young riders in alternative cycling activities)
- Work with school principals to identify safe routes for kids to cycle to and from school (examining this issue alone will highlight the extent to which car usage, driver attitudes and driver behaviour dominate our culture and as a consequence it will highlight just how 'unfriendly' this culture, these attitudes and behaviours have become towards biking and cycling and even walking).
- Put Picton/Mittagong cycle track along old rail line on Bike Plan agenda; and consider adding the Moss Vale Goulburn track at a later date. (NSW is playing catch up with Victoria and SA and we are light years behind the Northern Hemisphere in terms of establishing 'safe' family friendly bike tracks).

B4 EVENT DETAILS FOR MOUNTAIN BIKE MARATHON



8 / 9 November 2008, Southern Highlands, NSW

The VAUDE Highland Fling is a mountain bike marathon to challenge you all. It offers a scenic and challenging route through forests and farmland in the Southern Highlands of NSW. A mix of singletrack, forest tracks, dirt road and less than 2km of blacktop.

Do the Full Fling (approx 110km), the Half Fling (approx 55km), the relay Flinging Threesomes or take an even bigger challenge on the 100 Mile Fling!

The main race is on Sunday 9 November but there's plenty happening on Saturday 8 too, including the Bundanoon Dash, a fundraising 6km 'sprint' race (it's not compulsory!).

In 2008 we will also introduce the Casual Fling, a 16km ride for those feeling not up to the Half or Full Fling.























Source:

http://www.wildhorizons.com.au/highlandfling/index.html (4/05/2008)

	Bicycle Stra	itegy			
	For Mittagong, Bowral	and Moss Va	ale		
4	Appendix C - Public Exhi	bition P	ERIOD	FEEDBAC	



	Council	GTA Response and Action
	The SHCC is growing rapidly, with over 200 members using public roads in the Southern	
	Highlands NOW. Strong support given for the plan. The following points are added for	
	priority planning:	Depart and the difference of the Californian Transference of the call
	O contraction of a finite tool to Edda a Red	Report updated (Section 6.1). Criterion Track proposals need
1	Construction of criterion track in Eridge Park	further investigation and consultation with interest groups.
2	Upgrade of velodrome track at Eridge Park	Included as Support Plan Objective 5.
3	Lighting for the velodrome	Included as Support Plan Objective 5.
4	Increased signage of routes, road rules and road marking	Noted
5	Safer verges including lane marking	Noted
		Report updated (Section 6.1). BMX track proposal needs furth
6	Construction of BMX track	investigation and consultation with interest groups.
7	Bike parking facilities in all towns	Parking an initiative in Strategy - Section 6.2
8	Encouragement of school students	Ride to School initiatives in Support Program - Objective 2
		Bong Bong Bridge to Eridge Pk Rd being constructed in 08/09.
		The priority of the proposed path from bridge to near Eridge Pa
	Link between the river and Eridge Park Road near Hartzer Park Convent for those	along river is to be reduced as it follows a parallel route to that
	seeking a shorter cycle but would also love to see the path out past Bong Bong	being constructed. As such, no link would be considered unles
9	racecourse one day!	the river route is established.
	- Cooperation and the coop	the first react to detablished.
	Link the trail from Burradoo Rd to the swimming centre at Oxley Drive by following the	
10	Mittagong Rivulet then create a circuit flowing through Old Bowral, East Bowral and out to	Included Lisbon represtional route Drievity 2
10	the Wingecarribee River heading back past the convent to the Moss Vale Bridge.	Included. Urban recreational route Priority 3
11	Priority for Eridge Park Road cycleway linking Moss Vale Rd to East Bowral.	Noted. Listed as Priority 1
		Bong Bong Bridge to Eridge Pk Rd being constructed in 08/09.
		The priority of the proposed path from bridge to near Eridge Pa
		along river is to be reduced as it follows a parallel route to that
		being constructed. As such, no link would be considered unles
12	Short east/west link connecting Eridge Park to the riverside path	the river route is established.
	Opposed to Charlotte St, Burradoo being onroad as area is busy with bus interchange etc	
13	in school hrs	road facility.
14	Refuge suggested for Charlotte St crossing of Moss Vale Road, Burradoo	Included. Priority 3 Local Access
	Stanley Park bikepath is inaccessible for 153/155 Bowral Street residents as a	
	stormwater pip discharges in the middle of the park near the timber bridge across the	
	Mittagong Rivulet. A small branch off from near the timber bridge o the corner of Stanley	
	Park (100m) is requested. This would also serve to link the 2 preschools in the area to	
15	the bike trail.	Update report
10	Requests a link from Bowral swimming centre, under the rail line and up Centennial Road,	opuate report
16	to at least the Country Club	New section proposed on west side along river (Priority 3)
16 17	·	
17	Bike parking facilities requested	Parking an initiative in Strategy - Section 6.2
	Funding – Council should not bias its transport and road funding solely to motor	
	vehicles to treat bike paths as optional extras is short-sighted at a time when many	
18	people are looking at alternative forms of transport	Noted
	Open up the existing subway under the railway line at Lackey Rd to allow access into the	Council advised that the railway doesn't support reopening this.
19	industrial area	Not high enough and prone to inundation.
20	Support for Loop Line and join up to existing path at Willow Vale	Noted
	do not believe that every km needs to be of the high standard currently being installed.	
	Smooth compacted gravel would be adequate in many places, cheaper and more	Report updated (Section 5.7). Each route and location will requ
21	environmentally sustainable. Upgrades to higher standards can come later.	an individual assessment taking these comments on board.
22	More secure bicycle racks	Parking an initiative in Strategy - Section 6.2
		Report updated (Section 5.4). Railway closed for safety. A
		candidate for a signalised pedestrian crossing. Demand to be
23	Crossing of railway line at end of Parks Rd, MV	investigated.
	Shire wide strategy is needed.	Noted. Outside of scope in this instance.
24	The plan does not recognize the huge growth in cycling as a community activity in the	
24	Southern Villages around Bundanoon and does not address what could be done to	
24	1500mem villages around buildapioon and ones not address what could be note in	
24		
	support this activity. Bundanoon area needs a cycle plan with consultation of the	Noted Outside of scope in this instance
25	support this activity. Bundanoon area needs a cycle plan with consultation of the community	Noted. Outside of scope in this instance. Report undated (Section 6.1) RMX track proposal peeds furth
25	support this activity. Bundanoon area needs a cycle plan with consultation of the community The almost negligible mention of mountain bike and BMX riding in the strategy is a major	Report updated (Section 6.1). BMX track proposal needs furth
	support this activity. Bundanoon area needs a cycle plan with consultation of the community The almost negligible mention of mountain bike and BMX riding in the strategy is a major deficiency.	
25	support this activity. Bundanoon area needs a cycle plan with consultation of the community The almost negligible mention of mountain bike and BMX riding in the strategy is a major deficiency. We have reservations on an overarching vision to position WSC as the 'friendliest	Report updated (Section 6.1). BMX track proposal needs furth investigation and consultation with interest groups.
25 26	support this activity. Bundanoon area needs a cycle plan with consultation of the community The almost negligible mention of mountain bike and BMX riding in the strategy is a major deficiency. We have reservations on an overarching vision to position WSC as the 'friendliest towards cyclists of any shire in NSW' laudable but only worthwhile if it is much more	Report updated (Section 6.1). BMX track proposal needs furth investigation and consultation with interest groups. Report updated (Section 1). Vision proposal removed and
25 26 27	support this activity. Bundanoon area needs a cycle plan with consultation of the community The almost negligible mention of mountain bike and BMX riding in the strategy is a major deficiency. We have reservations on an overarching vision to position WSC as the 'friendliest towards cyclists of any shire in NSW' laudable but only worthwhile if it is much more than a slogan.	Report updated (Section 6.1). BMX track proposal needs furth investigation and consultation with interest groups. Report updated (Section 1). Vision proposal removed and replaced with text about link to Council's vision as a whole.
25 26	support this activity. Bundanoon area needs a cycle plan with consultation of the community The almost negligible mention of mountain bike and BMX riding in the strategy is a major deficiency. We have reservations on an overarching vision to position WSC as the 'friendliest towards cyclists of any shire in NSW' laudable but only worthwhile if it is much more than a slogan. Interested in representation on planning group.	Report updated (Section 6.1). BMX track proposal needs furth investigation and consultation with interest groups. Report updated (Section 1). Vision proposal removed and
25 26 27 28	support this activity. Bundanoon area needs a cycle plan with consultation of the community The almost negligible mention of mountain bike and BMX riding in the strategy is a major deficiency. We have reservations on an overarching vision to position WSC as the 'friendliest towards cyclists of any shire in NSW' laudable but only worthwhile if it is much more than a slogan. Interested in representation on planning group. Support for plan, particularly the Rail Trail and tourism opportunities and safety	Report updated (Section 6.1). BMX track proposal needs furth investigation and consultation with interest groups. Report updated (Section 1). Vision proposal removed and replaced with text about link to Council's vision as a whole. Noted
25 26 27	support this activity. Bundanoon area needs a cycle plan with consultation of the community The almost negligible mention of mountain bike and BMX riding in the strategy is a major deficiency. We have reservations on an overarching vision to position WSC as the 'friendliest towards cyclists of any shire in NSW' laudable but only worthwhile if it is much more than a slogan. Interested in representation on planning group.	Report updated (Section 6.1). BMX track proposal needs furth investigation and consultation with interest groups. Report updated (Section 1). Vision proposal removed and replaced with text about link to Council's vision as a whole. Noted Noted
25 26 27 28	support this activity. Bundanoon area needs a cycle plan with consultation of the community The almost negligible mention of mountain bike and BMX riding in the strategy is a major deficiency. We have reservations on an overarching vision to position WSC as the 'friendliest towards cyclists of any shire in NSW' laudable but only worthwhile if it is much more than a slogan. Interested in representation on planning group. Support for plan, particularly the Rail Trail and tourism opportunities and safety	Report updated (Section 6.1). BMX track proposal needs furth investigation and consultation with interest groups. Report updated (Section 1). Vision proposal removed and replaced with text about link to Council's vision as a whole. Noted Noted Report updated (Section 5.5).
25 26 27 28	support this activity. Bundanoon area needs a cycle plan with consultation of the community The almost negligible mention of mountain bike and BMX riding in the strategy is a major deficiency. We have reservations on an overarching vision to position WSC as the 'friendliest towards cyclists of any shire in NSW' laudable but only worthwhile if it is much more than a slogan. Interested in representation on planning group. Support for plan, particularly the Rail Trail and tourism opportunities and safety	Report updated (Section 6.1). BMX track proposal needs furth investigation and consultation with interest groups. Report updated (Section 1). Vision proposal removed and replaced with text about link to Council's vision as a whole. Noted Noted
25 26 27 28	support this activity. Bundanoon area needs a cycle plan with consultation of the community The almost negligible mention of mountain bike and BMX riding in the strategy is a major deficiency. We have reservations on an overarching vision to position WSC as the 'friendliest towards cyclists of any shire in NSW' laudable but only worthwhile if it is much more than a slogan. Interested in representation on planning group. Support for plan, particularly the Rail Trail and tourism opportunities and safety	Report updated (Section 6.1). BMX track proposal needs furth investigation and consultation with interest groups. Report updated (Section 1). Vision proposal removed and replaced with text about link to Council's vision as a whole. Noted Noted Report updated (Section 5.5).
25 26 27 28	support this activity. Bundanoon area needs a cycle plan with consultation of the community The almost negligible mention of mountain bike and BMX riding in the strategy is a major deficiency. We have reservations on an overarching vision to position WSC as the 'friendliest towards cyclists of any shire in NSW' laudable but only worthwhile if it is much more than a slogan. Interested in representation on planning group. Support for plan, particularly the Rail Trail and tourism opportunities and safety	Report updated (Section 6.1). BMX track proposal needs furth investigation and consultation with interest groups. Report updated (Section 1). Vision proposal removed and replaced with text about link to Council's vision as a whole. Noted Noted Report updated (Section 5.5). DCP for OLSH site to be checked for cycle facility options and LUA applications checked for inclusion of cycleway.
25 26 27 28 29	support this activity. Bundanoon area needs a cycle plan with consultation of the community The almost negligible mention of mountain bike and BMX riding in the strategy is a major deficiency. We have reservations on an overarching vision to position WSC as the 'friendliest towards cyclists of any shire in NSW' laudable but only worthwhile if it is much more than a slogan. Interested in representation on planning group. Support for plan, particularly the Rail Trail and tourism opportunities and safety	Report updated (Section 6.1). BMX track proposal needs furth investigation and consultation with interest groups. Report updated (Section 1). Vision proposal removed and replaced with text about link to Council's vision as a whole. Noted Noted Report updated (Section 5.5). DCP for OLSH site to be checked for cycle facility options and LUA applications checked for inclusion of cycleway.
25 26 27 28 29	support this activity. Bundanoon area needs a cycle plan with consultation of the community The almost negligible mention of mountain bike and BMX riding in the strategy is a major deficiency. We have reservations on an overarching vision to position WSC as the 'friendliest towards cyclists of any shire in NSW' laudable but only worthwhile if it is much more than a slogan. Interested in representation on planning group. Support for plan, particularly the Rail Trail and tourism opportunities and safety improvements arising from it. Suggest use of OLSH site at the bottom of Mount Road, Bowral for bike track use	Report updated (Section 6.1). BMX track proposal needs furth investigation and consultation with interest groups. Report updated (Section 1). Vision proposal removed and replaced with text about link to Council's vision as a whole. Noted Noted Report updated (Section 5.5). DCP for OLSH site to be checked for cycle facility options and LUA applications checked for inclusion of cycleway. Note that Brickworks have been conditioned to construct section the Oxleys Hill Rd and Burradoo path
25 26 27 28 29	support this activity. Bundanoon area needs a cycle plan with consultation of the community The almost negligible mention of mountain bike and BMX riding in the strategy is a major deficiency. We have reservations on an overarching vision to position WSC as the 'friendliest towards cyclists of any shire in NSW' laudable but only worthwhile if it is much more than a slogan. Interested in representation on planning group. Support for plan, particularly the Rail Trail and tourism opportunities and safety improvements arising from it.	Report updated (Section 6.1). BMX track proposal needs furth investigation and consultation with interest groups. Report updated (Section 1). Vision proposal removed and replaced with text about link to Council's vision as a whole. Noted Noted Report updated (Section 5.5). DCP for OLSH site to be checked for cycle facility options and LUA applications checked for inclusion of cycleway. Note that Brickworks have been conditioned to construct sectic the Oxleys Hill Rd and Burradoo path
25 26 27 28 29 30 31	support this activity. Bundanoon area needs a cycle plan with consultation of the community The almost negligible mention of mountain bike and BMX riding in the strategy is a major deficiency. We have reservations on an overarching vision to position WSC as the 'friendliest towards cyclists of any shire in NSW' laudable but only worthwhile if it is much more than a slogan. Interested in representation on planning group. Support for plan, particularly the Rail Trail and tourism opportunities and safety improvements arising from it. Suggest use of OLSH site at the bottom of Mount Road, Bowral for bike track use Supports the Mittagong to Bowral link as top priority	Report updated (Section 6.1). BMX track proposal needs furth investigation and consultation with interest groups. Report updated (Section 1). Vision proposal removed and replaced with text about link to Council's vision as a whole. Noted Noted Report updated (Section 5.5). DCP for OLSH site to be checked for cycle facility options and LUA applications checked for inclusion of cycleway. Note that Brickworks have been conditioned to construct section the Oxleys Hill Rd and Burradoo path Noted Residents have voted against sale of land for funding of recrea
25 26 27 28 29	support this activity. Bundanoon area needs a cycle plan with consultation of the community The almost negligible mention of mountain bike and BMX riding in the strategy is a major deficiency. We have reservations on an overarching vision to position WSC as the 'friendliest towards cyclists of any shire in NSW' laudable but only worthwhile if it is much more than a slogan. Interested in representation on planning group. Support for plan, particularly the Rail Trail and tourism opportunities and safety improvements arising from it. Suggest use of OLSH site at the bottom of Mount Road, Bowral for bike track use Supports the Mittagong to Bowral link as top priority Suggests selling off designated land and use the funds to build a shire wide bicycle track	Report updated (Section 6.1). BMX track proposal needs furth investigation and consultation with interest groups. Report updated (Section 1). Vision proposal removed and replaced with text about link to Council's vision as a whole. Noted Noted Report updated (Section 5.5). DCP for OLSH site to be checked for cycle facility options and LUA applications checked for inclusion of cycleway. Note that Brickworks have been conditioned to construct section the Oxleys Hill Rd and Burradoo path
25 26 27 28 29 30 31	support this activity. Bundanoon area needs a cycle plan with consultation of the community The almost negligible mention of mountain bike and BMX riding in the strategy is a major deficiency. We have reservations on an overarching vision to position WSC as the 'friendliest towards cyclists of any shire in NSW' laudable but only worthwhile if it is much more than a slogan. Interested in representation on planning group. Support for plan, particularly the Rail Trail and tourism opportunities and safety improvements arising from it. Suggest use of OLSH site at the bottom of Mount Road, Bowral for bike track use Supports the Mittagong to Bowral link as top priority Suggests selling off designated land and use the funds to build a shire wide bicycle track Suggest use of OLSH site for a track following the Mittagong Rivulet, linking it with	Report updated (Section 6.1). BMX track proposal needs furth investigation and consultation with interest groups. Report updated (Section 1). Vision proposal removed and replaced with text about link to Council's vision as a whole. Noted Noted Report updated (Section 5.5). DCP for OLSH site to be checked for cycle facility options and LUA applications checked for inclusion of cycleway. Note that Brickworks have been conditioned to construct section the Oxleys Hill Rd and Burradoo path Noted Residents have voted against sale of land for funding of recrea
25 26 27 28 29 30 31	support this activity. Bundanoon area needs a cycle plan with consultation of the community The almost negligible mention of mountain bike and BMX riding in the strategy is a major deficiency. We have reservations on an overarching vision to position WSC as the 'friendliest towards cyclists of any shire in NSW' laudable but only worthwhile if it is much more than a slogan. Interested in representation on planning group. Support for plan, particularly the Rail Trail and tourism opportunities and safety improvements arising from it. Suggest use of OLSH site at the bottom of Mount Road, Bowral for bike track use Supports the Mittagong to Bowral link as top priority Suggests selling off designated land and use the funds to build a shire wide bicycle track Suggest use of OLSH site for a track following the Mittagong Rivulet, linking it with existing bike tracks at Burradoo. This could also avoid cyclist/car conflict at the	Report updated (Section 6.1). BMX track proposal needs furth investigation and consultation with interest groups. Report updated (Section 1). Vision proposal removed and replaced with text about link to Council's vision as a whole. Noted Noted Report updated (Section 5.5). DCP for OLSH site to be checked for cycle facility options and LUA applications checked for inclusion of cycleway. Note that Brickworks have been conditioned to construct section the Oxleys Hill Rd and Burradoo path Noted Residents have voted against sale of land for funding of recrea
25 26 27 28 29 30 31 32	support this activity. Bundanoon area needs a cycle plan with consultation of the community The almost negligible mention of mountain bike and BMX riding in the strategy is a major deficiency. We have reservations on an overarching vision to position WSC as the 'friendliest towards cyclists of any shire in NSW' laudable but only worthwhile if it is much more than a slogan. Interested in representation on planning group. Support for plan, particularly the Rail Trail and tourism opportunities and safety improvements arising from it. Suggest use of OLSH site at the bottom of Mount Road, Bowral for bike track use Supports the Mittagong to Bowral link as top priority Suggests selling off designated land and use the funds to build a shire wide bicycle track Suggest use of OLSH site for a track following the Mittagong Rivulet, linking it with existing bike tracks at Burradoo. This could also avoid cyclist/car conflict at the intersection of Centennial and Kirkham if path cut across the OLSH site and came out	Report updated (Section 6.1). BMX track proposal needs furth investigation and consultation with interest groups. Report updated (Section 1). Vision proposal removed and replaced with text about link to Council's vision as a whole. Noted Noted Report updated (Section 5.5). DCP for OLSH site to be checked for cycle facility options and LUA applications checked for inclusion of cycleway. Note that Brickworks have been conditioned to construct section the Oxleys Hill Rd and Burradoo path Noted Residents have voted against sale of land for funding of recreat facilities at 2008 local government election.
25 26 27 28 29 30 31	support this activity. Bundanoon area needs a cycle plan with consultation of the community The almost negligible mention of mountain bike and BMX riding in the strategy is a major deficiency. We have reservations on an overarching vision to position WSC as the 'friendliest towards cyclists of any shire in NSW' laudable but only worthwhile if it is much more than a slogan. Interested in representation on planning group. Support for plan, particularly the Rail Trail and tourism opportunities and safety improvements arising from it. Suggest use of OLSH site at the bottom of Mount Road, Bowral for bike track use Supports the Mittagong to Bowral link as top priority Suggests selling off designated land and use the funds to build a shire wide bicycle track Suggest use of OLSH site for a track following the Mittagong Rivulet, linking it with existing bike tracks at Burradoo. This could also avoid cyclist/car conflict at the	Report updated (Section 6.1). BMX track proposal needs furth investigation and consultation with interest groups. Report updated (Section 1). Vision proposal removed and replaced with text about link to Council's vision as a whole. Noted Noted Report updated (Section 5.5). DCP for OLSH site to be checked for cycle facility options and LUA applications checked for inclusion of cycleway. Note that Brickworks have been conditioned to construct section that Brickworks have been conditioned to construct section that Oxleys Hill Red and Burradoo path Noted Residents have voted against sale of land for funding of recreat facilities at 2008 local government election. Included in Bike Plan Priority 3 Urban recreational route
25 26 27 28 29 30 31 32	support this activity. Bundanoon area needs a cycle plan with consultation of the community The almost negligible mention of mountain bike and BMX riding in the strategy is a major deficiency. We have reservations on an overarching vision to position WSC as the 'friendliest towards cyclists of any shire in NSW' laudable but only worthwhile if it is much more than a slogan. Interested in representation on planning group. Support for plan, particularly the Rail Trail and tourism opportunities and safety improvements arising from it. Suggest use of OLSH site at the bottom of Mount Road, Bowral for bike track use Supports the Mittagong to Bowral link as top priority Suggests selling off designated land and use the funds to build a shire wide bicycle track Suggest use of OLSH site for a track following the Mittagong Rivulet, linking it with existing bike tracks at Burradoo. This could also avoid cyclist/car conflict at the intersection of Centennial and Kirkham if path cut across the OLSH site and came out	Report updated (Section 6.1). BMX track proposal needs furth investigation and consultation with interest groups. Report updated (Section 1). Vision proposal removed and replaced with text about link to Council's vision as a whole. Noted Noted Report updated (Section 5.5). DCP for OLSH site to be checked for cycle facility options and LUA applications checked for inclusion of cycleway. Note that Brickworks have been conditioned to construct section the Oxleys Hill Rd and Burradoo path Noted Residents have voted against sale of land for funding of recreat facilities at 2008 local government election.
25 26 27 28 29 30 31 32	support this activity. Bundanoon area needs a cycle plan with consultation of the community The almost negligible mention of mountain bike and BMX riding in the strategy is a major deficiency. We have reservations on an overarching vision to position WSC as the 'friendliest towards cyclists of any shire in NSW' laudable but only worthwhile if it is much more than a slogan. Interested in representation on planning group. Support for plan, particularly the Rail Trail and tourism opportunities and safety improvements arising from it. Suggest use of OLSH site at the bottom of Mount Road, Bowral for bike track use Supports the Mittagong to Bowral link as top priority Suggests selling off designated land and use the funds to build a shire wide bicycle track Suggest use of OLSH site for a track following the Mittagong Rivulet, linking it with existing bike tracks at Burradoo. This could also avoid cyclist/car conflict at the intersection of Centennial and Kirkham if path cut across the OLSH site and came out further up Centennial Road	Report updated (Section 6.1). BMX track proposal needs furth investigation and consultation with interest groups. Report updated (Section 1). Vision proposal removed and replaced with text about link to Council's vision as a whole. Noted Noted Report updated (Section 5.5). DCP for OLSH site to be checked for cycle facility options and LUA applications checked for inclusion of cycleway. Note that Brickworks have been conditioned to construct section that Brickworks have been conditioned to construct section that Oxleys Hill Red and Burradoo path Noted Residents have voted against sale of land for funding of recreat facilities at 2008 local government election. Included in Bike Plan Priority 3 Urban recreational route
25 26 27 28 29 30 31 32	support this activity. Bundanoon area needs a cycle plan with consultation of the community The almost negligible mention of mountain bike and BMX riding in the strategy is a major deficiency. We have reservations on an overarching vision to position WSC as the 'friendliest towards cyclists of any shire in NSW' laudable but only worthwhile if it is much more than a slogan. Interested in representation on planning group. Support for plan, particularly the Rail Trail and tourism opportunities and safety improvements arising from it. Suggest use of OLSH site at the bottom of Mount Road, Bowral for bike track use Supports the Mittagong to Bowral link as top priority Suggests selling off designated land and use the funds to build a shire wide bicycle track Suggest use of OLSH site for a track following the Mittagong Rivulet, linking it with existing bike tracks at Burradoo. This could also avoid cyclist/car conflict at the intersection of Centennial and Kirkham if path cut across the OLSH site and came out	Report updated (Section 6.1). BMX track proposal needs furth investigation and consultation with interest groups. Report updated (Section 1). Vision proposal removed and replaced with text about link to Council's vision as a whole. Noted Noted Report updated (Section 5.5). DCP for OLSH site to be checked for cycle facility options and LUA applications checked for inclusion of cycleway. Note that Brickworks have been conditioned to construct section the Oxleys Hill Rd and Burradoo path Noted Residents have voted against sale of land for funding of recreat facilities at 2008 local government election. Included in Bike Plan Priority 3 Urban recreational route Report updated (Section 1). Vision proposal removed and
25 26 27 28 29 30 31 32 33	support this activity. Bundanoon area needs a cycle plan with consultation of the community The almost negligible mention of mountain bike and BMX riding in the strategy is a major deficiency. We have reservations on an overarching vision to position WSC as the 'friendliest towards cyclists of any shire in NSW' laudable but only worthwhile if it is much more than a slogan. Interested in representation on planning group. Support for plan, particularly the Rail Trail and tourism opportunities and safety improvements arising from it. Suggest use of OLSH site at the bottom of Mount Road, Bowral for bike track use Supports the Mittagong to Bowral link as top priority Suggests selling off designated land and use the funds to build a shire wide bicycle track Suggest use of OLSH site for a track following the Mittagong Rivulet, linking it with existing bike tracks at Burradoo. This could also avoid cyclist/car conflict at the intersection of Centennial and Kirkham if path cut across the OLSH site and came out further up Centennial Road The plan reinforces the WSC motto — "making this Shire a better place in which to live".	Report updated (Section 6.1). BMX track proposal needs furthinvestigation and consultation with interest groups. Report updated (Section 1). Vision proposal removed and replaced with text about link to Council's vision as a whole. Noted Noted Report updated (Section 5.5). DCP for OLSH site to be checked for cycle facility options and LUA applications checked for inclusion of cycleway. Note that Brickworks have been conditioned to construct sectio the Oxleys Hill Rd and Burradoo path Noted Residents have voted against sale of land for funding of recreat facilities at 2008 local government election. Included in Bike Plan Priority 3 Urban recreational route Report updated (Section 1). Vision proposal removed and replaced with text about link to Council's vision as a whole.



	Comment Comment	GTA Response and Action
	Support for Rail Trail concepts and suggests that Exeter to Bundanoon would be a good	
	route. Moss Vale to Exeter could be along the Illawarra Highway and Exeter Road as	
37	terrain is fairly flat but needs a clean up of road side verges.	Noted. Outside of scope in this instance.
	Not happy with concrete paths as it is a man made material which emits greenhouse	Report updated (Section 5.7). Each route and location will requ
38	gases related to climate change.	an individual assessment taking these comments on board.
		Report updated (Section 5.7). Each route and location will requ
	Rammed earth trails should be considered, like Victorian networks, with maintenance an	an individual assessment taking these comments on board.
39	opportunity for volunteers to undertake. 'Adopt a Trail' is common in many countries.	Mountain bike facilities can be constructed differently.
		Report updated (Section 5.7). Each route and location will requ
40	Wet or swampy areas could have concrete paths.	an individual assessment taking these comments on board.
-1 0	Strongly supports the linking of towns with as much off-road as possible. Also Rail Trail	arrindividual assessment taking these comments on board.
44	• • • • • • • • • • • • • • • • • • • •	Nist at
41	idea.	Noted
42	Extension of Bong Bong track from Cecil Hoskins Reserve is a lower priority.	Noted
	Congratulations on a wonderful initiative. This is a wonderful opportunity to do something	
	really worthwhile & long lasting for the area and has my strong support. Don't do it half-	
43	heatedly. Go for it!	Noted
	Supports majority of initiatives with the Rail Trail concept to be moved up the list of	
44	priorities to eliminate the present unsafe conditions on Wilson Drive, Hill Top for cyclists.	Outside of scope. However, is covered in Villages PAMP
45	Fast track the Mittagong to Bowral route too.	Noted. Listed as Priority 1
	The Bicycle Strategy has gained prominence at the same time as the Transition Shire	,
46	project	Noted
70	Acknowledges the good work continued from the previous 1996 Wingecarribee Bicycle	110100
47		Noted
47	Plan.	Noted
	The Mittagong to Bowral link, while remaining the highest priority, will remain one of the	L
48	hardest objectives to meet both in engineering and fiscal terms.	Noted
_	A Bicycle Strategy Working Party is welcomed but unlikely given the WSC rationalisation	
49	of committees.	Noted
	It is therefore essential that the strategy be a high priority for the new Council staff need	
50	to actively promote and use it.	Noted
	The implementation of this document is very important. The cycling potential in our Shire	
51	is considerable and should be promoted given the health and social benefits of cycling	Noted
52		
	Important to create and promote safe cycling routes to schools	Ride to School initiatives in Support Program - Objective 2
53	Bike plan should include the entire Shire.	Noted. Outside of scope in this instance.
54	Dedicated cycle lanes and/or improved road shoulders are needed	Noted
		Report updated (Section 6.4). Maintenance to take cyclist
		requirements into consideration for all works. Note that Council
	Improve road shoulders when road resealing is done, e.g. links from Bundanoon and	due to send letter to RTA re: maintenance program so that Co
55	Moss Vale or Penrose.	can give feedback to reseal works.
		Noted. General promotion initatives included in Support progra
56	Promote cycling routes in and around Bundanoon	in report.
00	Support for Bicycle Committee and education campaign to promote the legitimate use of	I Toport.
57	roads by cyclists	Support program intiatives
31	Todas by Cyclists	Report updated (Section 5.4). Shared path loop around OLSH
		Change to Priority 3 (was Priority 1) Local access connection,
		includes off-road link adjacent to Kirkham Rd on east side of
58	Support for use of OLSH site for a shared path to link Centennial Road, West Bowral	OLSH site
	Suggest a bike track from the swimming pool into the OLSH site and along the Mittagong	
59	Suggest a bike track from the swimming pool into the OLSH site and along the Mittagong Rivulet as far west as it can go to link with Bong Bong Track	Included in Bike Plan Priority 3 Urban recreational route
59		Included in Bike Plan Priority 3 Urban recreational route
59		Included in Bike Plan Priority 3 Urban recreational route
59 60		Included in Bike Plan Priority 3 Urban recreational route Support program intiatives - Objective 1
	Rivulet as far west as it can go to link with Bong Bong Track A website with a specific heading of 'Cycle Routes' is needed.	
	Rivulet as far west as it can go to link with Bong Bong Track	Support program intiatives - Objective 1
60	Rivulet as far west as it can go to link with Bong Bong Track A website with a specific heading of 'Cycle Routes' is needed. The Bong Bong Track is poorly signposted for visitors to find. Side streets in Burradoo	
60	A website with a specific heading of 'Cycle Routes' is needed. The Bong Bong Track is poorly signposted for visitors to find. Side streets in Burradoo with entry to the track should be signposted.	Support program intiatives - Objective 1
60	A website with a specific heading of 'Cycle Routes' is needed. The Bong Bong Track is poorly signposted for visitors to find. Side streets in Burradoo with entry to the track should be signposted. When you exit Burradoo Dr, near the Old Sth Rd/Kangaloon Rd roundabout there is no	Support program intiatives - Objective 1
60	A website with a specific heading of 'Cycle Routes' is needed. The Bong Bong Track is poorly signposted for visitors to find. Side streets in Burradoo with entry to the track should be signposted. When you exit Burradoo Dr, near the Old Sth Rd/Kangaloon Rd roundabout there is no ramp on the other side of the road. To enter the new Kangaloon Rd path (narrower than	Support program intiatives - Objective 1
60	Rivulet as far west as it can go to link with Bong Bong Track A website with a specific heading of 'Cycle Routes' is needed. The Bong Bong Track is poorly signposted for visitors to find. Side streets in Burradoo with entry to the track should be signposted. When you exit Burradoo Dr, near the Old Sth Rd/Kangaloon Rd roundabout there is no ramp on the other side of the road. To enter the new Kangaloon Rd path (narrower than the RTA minimum) one has to dismount or cycle over rutted rough ground to cross near	Support program intiatives - Objective 1 Included Priority 1 Urban recreational route
60	A website with a specific heading of 'Cycle Routes' is needed. The Bong Bong Track is poorly signposted for visitors to find. Side streets in Burradoo with entry to the track should be signposted. When you exit Burradoo Dr, near the Old Sth Rd/Kangaloon Rd roundabout there is no ramp on the other side of the road. To enter the new Kangaloon Rd path (narrower than the RTA minimum) one has to dismount or cycle over rutted rough ground to cross near the roundabout. A seamless link with appropriate refuges is needed.	Support program intiatives - Objective 1
60 61 62	A website with a specific heading of 'Cycle Routes' is needed. The Bong Bong Track is poorly signposted for visitors to find. Side streets in Burradoo with entry to the track should be signposted. When you exit Burradoo Dr, near the Old Sth Rd/Kangaloon Rd roundabout there is no ramp on the other side of the road. To enter the new Kangaloon Rd path (narrower than the RTA minimum) one has to dismount or cycle over rutted rough ground to cross near the roundabout. A seamless link with appropriate refuges is needed. Appreciate the Bong Bong Track and hope that a similar path will be built along Argyle	Support program intiatives - Objective 1 Included Priority 1 Urban recreational route Included. Urban recreational route Priority 1
60	A website with a specific heading of 'Cycle Routes' is needed. The Bong Bong Track is poorly signposted for visitors to find. Side streets in Burradoo with entry to the track should be signposted. When you exit Burradoo Dr, near the Old Sth Rd/Kangaloon Rd roundabout there is no ramp on the other side of the road. To enter the new Kangaloon Rd path (narrower than the RTA minimum) one has to dismount or cycle over rutted rough ground to cross near the roundabout. A seamless link with appropriate refuges is needed.	Support program intiatives - Objective 1 Included Priority 1 Urban recreational route
60 61 62	A website with a specific heading of 'Cycle Routes' is needed. The Bong Bong Track is poorly signposted for visitors to find. Side streets in Burradoo with entry to the track should be signposted. When you exit Burradoo Dr, near the Old Sth Rd/Kangaloon Rd roundabout there is no ramp on the other side of the road. To enter the new Kangaloon Rd path (narrower than the RTA minimum) one has to dismount or cycle over rutted rough ground to cross near the roundabout. A seamless link with appropriate refuges is needed. Appreciate the Bong Bong Track and hope that a similar path will be built along Argyle Street, Moss Vale	Support program intiatives - Objective 1 Included Priority 1 Urban recreational route Included. Urban recreational route Priority 1
60 61 62	A website with a specific heading of 'Cycle Routes' is needed. The Bong Bong Track is poorly signposted for visitors to find. Side streets in Burradoo with entry to the track should be signposted. When you exit Burradoo Dr, near the Old Sth Rd/Kangaloon Rd roundabout there is no ramp on the other side of the road. To enter the new Kangaloon Rd path (narrower than the RTA minimum) one has to dismount or cycle over rutted rough ground to cross near the roundabout. A seamless link with appropriate refuges is needed. Appreciate the Bong Bong Track and hope that a similar path will be built along Argyle Street, Moss Vale Council supported a Greenhouse Gas Reduction Strategy in 2003. Within the strategy	Support program intiatives - Objective 1 Included Priority 1 Urban recreational route Included. Urban recreational route Priority 1
60 61 62	A website with a specific heading of 'Cycle Routes' is needed. The Bong Bong Track is poorly signposted for visitors to find. Side streets in Burradoo with entry to the track should be signposted. When you exit Burradoo Dr, near the Old Sth Rd/Kangaloon Rd roundabout there is no ramp on the other side of the road. To enter the new Kangaloon Rd path (narrower than the RTA minimum) one has to dismount or cycle over rutted rough ground to cross near the roundabout. A seamless link with appropriate refuges is needed. Appreciate the Bong Bong Track and hope that a similar path will be built along Argyle Street, Moss Vale Council supported a Greenhouse Gas Reduction Strategy in 2003. Within the strategy one identified action was the encouragement of use of alternative modes of transport.	Support program intiatives - Objective 1 Included Priority 1 Urban recreational route Included. Urban recreational route Priority 1 Included. Moss Vale Town Centre Linking towns Priority 1
60 61 62	A website with a specific heading of 'Cycle Routes' is needed. The Bong Bong Track is poorly signposted for visitors to find. Side streets in Burradoo with entry to the track should be signposted. When you exit Burradoo Dr, near the Old Sth Rd/Kangaloon Rd roundabout there is no ramp on the other side of the road. To enter the new Kangaloon Rd path (narrower than the RTA minimum) one has to dismount or cycle over rutted rough ground to cross near the roundabout. A seamless link with appropriate refuges is needed. Appreciate the Bong Bong Track and hope that a similar path will be built along Argyle Street, Moss Vale Council supported a Greenhouse Gas Reduction Strategy in 2003. Within the strategy	Support program intiatives - Objective 1 Included Priority 1 Urban recreational route Included. Urban recreational route Priority 1
60 61 62 63	A website with a specific heading of 'Cycle Routes' is needed. The Bong Bong Track is poorly signposted for visitors to find. Side streets in Burradoo with entry to the track should be signposted. When you exit Burradoo Dr, near the Old Sth Rd/Kangaloon Rd roundabout there is no ramp on the other side of the road. To enter the new Kangaloon Rd path (narrower than the RTA minimum) one has to dismount or cycle over rutted rough ground to cross near the roundabout. A seamless link with appropriate refuges is needed. Appreciate the Bong Bong Track and hope that a similar path will be built along Argyle Street, Moss Vale Council supported a Greenhouse Gas Reduction Strategy in 2003. Within the strategy one identified action was the encouragement of use of alternative modes of transport.	Support program intiatives - Objective 1 Included Priority 1 Urban recreational route Included. Urban recreational route Priority 1 Included. Moss Vale Town Centre Linking towns Priority 1
60 61 62 63	A website with a specific heading of 'Cycle Routes' is needed. The Bong Bong Track is poorly signposted for visitors to find. Side streets in Burradoo with entry to the track should be signposted. When you exit Burradoo Dr, near the Old Sth Rd/Kangaloon Rd roundabout there is no ramp on the other side of the road. To enter the new Kangaloon Rd path (narrower than the RTA minimum) one has to dismount or cycle over rutted rough ground to cross near the roundabout. A seamless link with appropriate refuges is needed. Appreciate the Bong Bong Track and hope that a similar path will be built along Argyle Street, Moss Vale Council supported a Greenhouse Gas Reduction Strategy in 2003. Within the strategy one identified action was the encouragement of use of alternative modes of transport. This comprehensive strategy proposed most definitely supports this action. I would ask that Council make available within 12 months, the funding for the	Support program intiatives - Objective 1 Included Priority 1 Urban recreational route Included. Urban recreational route Priority 1 Included. Moss Vale Town Centre Linking towns Priority 1 Noted
60 61 62 63	A website with a specific heading of 'Cycle Routes' is needed. The Bong Bong Track is poorly signposted for visitors to find. Side streets in Burradoo with entry to the track should be signposted. When you exit Burradoo Dr, near the Old Sth Rd/Kangaloon Rd roundabout there is no ramp on the other side of the road. To enter the new Kangaloon Rd path (narrower than the RTA minimum) one has to dismount or cycle over rutted rough ground to cross near the roundabout. A seamless link with appropriate refuges is needed. Appreciate the Bong Bong Track and hope that a similar path will be built along Argyle Street, Moss Vale Council supported a Greenhouse Gas Reduction Strategy in 2003. Within the strategy one identified action was the encouragement of use of alternative modes of transport. This comprehensive strategy proposed most definitely supports this action. I would ask that Council make available within 12 months, the funding for the development of a whole of shire Bicycle Strategy that can sit above the Mittagong, Bowra	Support program intiatives - Objective 1 Included Priority 1 Urban recreational route Included. Urban recreational route Priority 1 Included. Moss Vale Town Centre Linking towns Priority 1 Noted
60 61 62 63	A website with a specific heading of 'Cycle Routes' is needed. The Bong Bong Track is poorly signposted for visitors to find. Side streets in Burradoo with entry to the track should be signposted. When you exit Burradoo Dr, near the Old Sth Rd/Kangaloon Rd roundabout there is no ramp on the other side of the road. To enter the new Kangaloon Rd path (narrower than the RTA minimum) one has to dismount or cycle over rutted rough ground to cross near the roundabout. A seamless link with appropriate refuges is needed. Appreciate the Bong Bong Track and hope that a similar path will be built along Argyle Street, Moss Vale Council supported a Greenhouse Gas Reduction Strategy in 2003. Within the strategy one identified action was the encouragement of use of alternative modes of transport. This comprehensive strategy proposed most definitely supports this action. I would ask that Council make available within 12 months, the funding for the development of a whole of shire Bicycle Strategy that can sit above the Mittagong, Bowra and Moss Vale Strategy.	Support program intiatives - Objective 1 Included Priority 1 Urban recreational route Included. Urban recreational route Priority 1 Included. Moss Vale Town Centre Linking towns Priority 1 Noted
60 61 62 63 64	A website with a specific heading of 'Cycle Routes' is needed. The Bong Bong Track is poorly signposted for visitors to find. Side streets in Burradoo with entry to the track should be signposted. When you exit Burradoo Dr, near the Old Sth Rd/Kangaloon Rd roundabout there is no ramp on the other side of the road. To enter the new Kangaloon Rd path (narrower than the RTA minimum) one has to dismount or cycle over rutted rough ground to cross near the roundabout. A seamless link with appropriate refuges is needed. Appreciate the Bong Bong Track and hope that a similar path will be built along Argyle Street, Moss Vale Council supported a Greenhouse Gas Reduction Strategy in 2003. Within the strategy one identified action was the encouragement of use of alternative modes of transport. This comprehensive strategy proposed most definitely supports this action. I would ask that Council make available within 12 months, the funding for the development of a whole of shire Bicycle Strategy that can sit above the Mittagong, Bowra and Moss Vale Strategy. The vision presented by the Ben Mikic Foundation, whilst laudable, is only worthwhile of	Support program intiatives - Objective 1 Included Priority 1 Urban recreational route Included. Urban recreational route Priority 1 Included. Moss Vale Town Centre Linking towns Priority 1 Noted
60 61 62 63	A website with a specific heading of 'Cycle Routes' is needed. The Bong Bong Track is poorly signposted for visitors to find. Side streets in Burradoo with entry to the track should be signposted. When you exit Burradoo Dr, near the Old Sth Rd/Kangaloon Rd roundabout there is no ramp on the other side of the road. To enter the new Kangaloon Rd path (narrower than the RTA minimum) one has to dismount or cycle over rutted rough ground to cross near the roundabout. A seamless link with appropriate refuges is needed. Appreciate the Bong Bong Track and hope that a similar path will be built along Argyle Street, Moss Vale Council supported a Greenhouse Gas Reduction Strategy in 2003. Within the strategy one identified action was the encouragement of use of alternative modes of transport. This comprehensive strategy proposed most definitely supports this action. I would ask that Council make available within 12 months, the funding for the development of a whole of shire Bicycle Strategy that can sit above the Mittagong, Bowra and Moss Vale Strategy. The vision presented by the Ben Mikic Foundation, whilst laudable, is only worthwhile of Council adopts it, believes in it and fully funds it.	Support program intiatives - Objective 1 Included Priority 1 Urban recreational route Included. Urban recreational route Priority 1 Included. Moss Vale Town Centre Linking towns Priority 1 Noted
60 61 62 63 64	A website with a specific heading of 'Cycle Routes' is needed. The Bong Bong Track is poorly signposted for visitors to find. Side streets in Burradoo with entry to the track should be signposted. When you exit Burradoo Dr, near the Old Sth Rd/Kangaloon Rd roundabout there is no ramp on the other side of the road. To enter the new Kangaloon Rd path (narrower than the RTA minimum) one has to dismount or cycle over rutted rough ground to cross near the roundabout. A seamless link with appropriate refuges is needed. Appreciate the Bong Bong Track and hope that a similar path will be built along Argyle Street, Moss Vale Council supported a Greenhouse Gas Reduction Strategy in 2003. Within the strategy one identified action was the encouragement of use of alternative modes of transport. This comprehensive strategy proposed most definitely supports this action. I would ask that Council make available within 12 months, the funding for the development of a whole of shire Bicycle Strategy that can sit above the Mittagong, Bowra and Moss Vale Strategy. The vision presented by the Ben Mikic Foundation, whilst laudable, is only worthwhile of Council adopts it, believes in it and fully funds it. A huge proportion of cyclists are mountain bikers and I do not believe the Strategy	Support program intiatives - Objective 1 Included Priority 1 Urban recreational route Included. Urban recreational route Priority 1 Included. Moss Vale Town Centre Linking towns Priority 1 Noted
60 61 62 63 64	A website with a specific heading of 'Cycle Routes' is needed. The Bong Bong Track is poorly signposted for visitors to find. Side streets in Burradoo with entry to the track should be signposted. When you exit Burradoo Dr, near the Old Sth Rd/Kangaloon Rd roundabout there is no ramp on the other side of the road. To enter the new Kangaloon Rd path (narrower than the RTA minimum) one has to dismount or cycle over rutted rough ground to cross near the roundabout. A seamless link with appropriate refuges is needed. Appreciate the Bong Bong Track and hope that a similar path will be built along Argyle Street, Moss Vale Council supported a Greenhouse Gas Reduction Strategy in 2003. Within the strategy one identified action was the encouragement of use of alternative modes of transport. This comprehensive strategy proposed most definitely supports this action. I would ask that Council make available within 12 months, the funding for the development of a whole of shire Bicycle Strategy that can sit above the Mittagong, Bowra and Moss Vale Strategy. The vision presented by the Ben Mikic Foundation, whilst laudable, is only worthwhile of Council adopts it, believes in it and fully funds it. A huge proportion of cyclists are mountain bikers and I do not believe the Strategy addresses the needs of this group. There is nothing in the strategy that talks about	Support program intiatives - Objective 1 Included Priority 1 Urban recreational route Included. Urban recreational route Priority 1 Included. Moss Vale Town Centre Linking towns Priority 1 Noted
60 61 62 63 64	A website with a specific heading of 'Cycle Routes' is needed. The Bong Bong Track is poorly signposted for visitors to find. Side streets in Burradoo with entry to the track should be signposted. When you exit Burradoo Dr, near the Old Sth Rd/Kangaloon Rd roundabout there is no ramp on the other side of the road. To enter the new Kangaloon Rd path (narrower than the RTA minimum) one has to dismount or cycle over rutted rough ground to cross near the roundabout. A seamless link with appropriate refuges is needed. Appreciate the Bong Bong Track and hope that a similar path will be built along Argyle Street, Moss Vale Council supported a Greenhouse Gas Reduction Strategy in 2003. Within the strategy one identified action was the encouragement of use of alternative modes of transport. This comprehensive strategy proposed most definitely supports this action. I would ask that Council make available within 12 months, the funding for the development of a whole of shire Bicycle Strategy that can sit above the Mittagong, Bowra and Moss Vale Strategy. The vision presented by the Ben Mikic Foundation, whilst laudable, is only worthwhile of Council adopts it, believes in it and fully funds it. A huge proportion of cyclists are mountain bikers and I do not believe the Strategy addresses the needs of this group. There is nothing in the strategy that talks about Council actively developing trail networks on their land suitable for recreational mountain	Support program intiatives - Objective 1 Included Priority 1 Urban recreational route Included. Urban recreational route Priority 1 Included. Moss Vale Town Centre Linking towns Priority 1 Noted Noted
60 61 62 63 64	A website with a specific heading of 'Cycle Routes' is needed. The Bong Bong Track is poorly signposted for visitors to find. Side streets in Burradoo with entry to the track should be signposted. When you exit Burradoo Dr, near the Old Sth Rd/Kangaloon Rd roundabout there is no ramp on the other side of the road. To enter the new Kangaloon Rd path (narrower than the RTA minimum) one has to dismount or cycle over rutted rough ground to cross near the roundabout. A seamless link with appropriate refuges is needed. Appreciate the Bong Bong Track and hope that a similar path will be built along Argyle Street, Moss Vale Council supported a Greenhouse Gas Reduction Strategy in 2003. Within the strategy one identified action was the encouragement of use of alternative modes of transport. This comprehensive strategy proposed most definitely supports this action. I would ask that Council make available within 12 months, the funding for the development of a whole of shire Bicycle Strategy that can sit above the Mittagong, Bowra and Moss Vale Strategy. The vision presented by the Ben Mikic Foundation, whilst laudable, is only worthwhile of Council adopts it, believes in it and fully funds it. A huge proportion of cyclists are mountain bikers and I do not believe the Strategy addresses the needs of this group. There is nothing in the strategy that talks about	Support program intiatives - Objective 1 Included Priority 1 Urban recreational route Included. Urban recreational route Priority 1 Included. Moss Vale Town Centre Linking towns Priority 1 Noted Noted
60 61 62 63 64 65 66	A website with a specific heading of 'Cycle Routes' is needed. The Bong Bong Track is poorly signposted for visitors to find. Side streets in Burradoo with entry to the track should be signposted. When you exit Burradoo Dr, near the Old Sth Rd/Kangaloon Rd roundabout there is no ramp on the other side of the road. To enter the new Kangaloon Rd path (narrower than the RTA minimum) one has to dismount or cycle over rutted rough ground to cross near the roundabout. A seamless link with appropriate refuges is needed. Appreciate the Bong Bong Track and hope that a similar path will be built along Argyle Street, Moss Vale Council supported a Greenhouse Gas Reduction Strategy in 2003. Within the strategy one identified action was the encouragement of use of alternative modes of transport. This comprehensive strategy proposed most definitely supports this action. I would ask that Council make available within 12 months, the funding for the development of a whole of shire Bicycle Strategy that can sit above the Mittagong, Bowra and Moss Vale Strategy. The vision presented by the Ben Mikic Foundation, whilst laudable, is only worthwhile of Council adopts it, believes in it and fully funds it. A huge proportion of cyclists are mountain bikers and I do not believe the Strategy addresses the needs of this group. There is nothing in the strategy that talks about Council actively developing trail networks on their land suitable for recreational mountain biking. Or of Council supporting existing networks on land under other tenures such as	Support program intiatives - Objective 1 Included Priority 1 Urban recreational route Included. Urban recreational route Priority 1 Included. Moss Vale Town Centre Linking towns Priority 1 Noted Noted Report updated (Section 6.1). Council to consider mountain b
60 61 62 63 64	A website with a specific heading of 'Cycle Routes' is needed. The Bong Bong Track is poorly signposted for visitors to find. Side streets in Burradoo with entry to the track should be signposted. When you exit Burradoo Dr, near the Old Sth Rd/Kangaloon Rd roundabout there is no ramp on the other side of the road. To enter the new Kangaloon Rd path (narrower than the RTA minimum) one has to dismount or cycle over rutted rough ground to cross near the roundabout. A seamless link with appropriate refuges is needed. Appreciate the Bong Bong Track and hope that a similar path will be built along Argyle Street, Moss Vale Council supported a Greenhouse Gas Reduction Strategy in 2003. Within the strategy one identified action was the encouragement of use of alternative modes of transport. This comprehensive strategy proposed most definitely supports this action. I would ask that Council make available within 12 months, the funding for the development of a whole of shire Bicycle Strategy that can sit above the Mittagong, Bowra and Moss Vale Strategy. The vision presented by the Ben Mikic Foundation, whilst laudable, is only worthwhile of Council adopts it, believes in it and fully funds it. A huge proportion of cyclists are mountain bikers and I do not believe the Strategy addresses the needs of this group. There is nothing in the strategy that talks about Council actively developing trail networks on their land suitable for recreational mountain biking. Or of Council supporting existing networks on land under other tenures such as the trail network in Wingello State Forest.	Support program intiatives - Objective 1 Included Priority 1 Urban recreational route Included. Urban recreational route Priority 1 Included. Moss Vale Town Centre Linking towns Priority 1 Noted Noted
60 61 62 63 64 65 66	A website with a specific heading of 'Cycle Routes' is needed. The Bong Bong Track is poorly signposted for visitors to find. Side streets in Burradoo with entry to the track should be signposted. When you exit Burradoo Dr, near the Old Sth Rd/Kangaloon Rd roundabout there is no ramp on the other side of the road. To enter the new Kangaloon Rd path (narrower than the RTA minimum) one has to dismount or cycle over rutted rough ground to cross near the roundabout. A seamless link with appropriate refuges is needed. Appreciate the Bong Bong Track and hope that a similar path will be built along Argyle Street, Moss Vale Council supported a Greenhouse Gas Reduction Strategy in 2003. Within the strategy one identified action was the encouragement of use of alternative modes of transport. This comprehensive strategy proposed most definitely supports this action. I would ask that Council make available within 12 months, the funding for the development of a whole of shire Bicycle Strategy that can sit above the Mittagong, Bowra and Moss Vale Strategy. The vision presented by the Ben Mikic Foundation, whilst laudable, is only worthwhile of Council adopts it, believes in it and fully funds it. A huge proportion of cyclists are mountain bikers and I do not believe the Strategy addresses the needs of this group. There is nothing in the strategy that talks about Council actively developing trail networks on their land suitable for recreational mountain biking. Or of Council supporting existing networks on land under other tenures such as the trail network in Wingello State Forest. I fully support the strategy objective of increasing cycling as a mode of transport in and	Support program intiatives - Objective 1 Included Priority 1 Urban recreational route Included. Urban recreational route Priority 1 Included. Moss Vale Town Centre Linking towns Priority 1 Noted Noted Report updated (Section 6.1). Council to consider mountain b facilities in consultation with interest groups.
60 61 62 63 64 65 66	A website with a specific heading of 'Cycle Routes' is needed. The Bong Bong Track is poorly signposted for visitors to find. Side streets in Burradoo with entry to the track should be signposted. When you exit Burradoo Dr, near the Old Sth Rd/Kangaloon Rd roundabout there is no ramp on the other side of the road. To enter the new Kangaloon Rd path (narrower than the RTA minimum) one has to dismount or cycle over rutted rough ground to cross near the roundabout. A seamless link with appropriate refuges is needed. Appreciate the Bong Bong Track and hope that a similar path will be built along Argyle Street, Moss Vale Council supported a Greenhouse Gas Reduction Strategy in 2003. Within the strategy one identified action was the encouragement of use of alternative modes of transport. This comprehensive strategy proposed most definitely supports this action. I would ask that Council make available within 12 months, the funding for the development of a whole of shire Bicycle Strategy that can sit above the Mittagong, Bowra and Moss Vale Strategy. The vision presented by the Ben Mikic Foundation, whilst laudable, is only worthwhile of Council adopts it, believes in it and fully funds it. A huge proportion of cyclists are mountain bikers and I do not believe the Strategy addresses the needs of this group. There is nothing in the strategy that talks about Council actively developing trail networks on their land suitable for recreational mountain biking. Or of Council supporting existing networks on land under other tenures such as the trail network in Wingello State Forest. I fully support the strategy objective of increasing cycling as a mode of transport in and between the 3 largest towns of the Shire.	Support program intiatives - Objective 1 Included Priority 1 Urban recreational route Included. Urban recreational route Priority 1 Included. Moss Vale Town Centre Linking towns Priority 1 Noted Noted Report updated (Section 6.1). Council to consider mountain b
60 61 62 63 64 65 66 67 68	A website with a specific heading of 'Cycle Routes' is needed. The Bong Bong Track is poorly signposted for visitors to find. Side streets in Burradoo with entry to the track should be signposted. When you exit Burradoo Dr, near the Old Sth Rd/Kangaloon Rd roundabout there is no ramp on the other side of the road. To enter the new Kangaloon Rd path (narrower than the RTA minimum) one has to dismount or cycle over rutted rough ground to cross near the roundabout. A seamless link with appropriate refuges is needed. Appreciate the Bong Bong Track and hope that a similar path will be built along Argyle Street, Moss Vale Council supported a Greenhouse Gas Reduction Strategy in 2003. Within the strategy one identified action was the encouragement of use of alternative modes of transport. This comprehensive strategy proposed most definitely supports this action. I would ask that Council make available within 12 months, the funding for the development of a whole of shire Bicycle Strategy that can sit above the Mittagong, Bowra and Moss Vale Strategy. The vision presented by the Ben Mikic Foundation, whilst laudable, is only worthwhile of Council adopts it, believes in it and fully funds it. A huge proportion of cyclists are mountain bikers and I do not believe the Strategy addresses the needs of this group. There is nothing in the strategy that talks about Council actively developing trail networks on their land suitable for recreational mountain biking. Or of Council supporting existing networks on land under other tenures such as the trail network in Wingello State Forest. I fully support the strategy objective of increasing cycling as a mode of transport in and between the 3 largest towns of the Shire. A full strategy should look at all the options for recreational/tourism across the shire and	Support program intiatives - Objective 1 Included Priority 1 Urban recreational route Included. Urban recreational route Priority 1 Included. Moss Vale Town Centre Linking towns Priority 1 Noted Noted Report updated (Section 6.1). Council to consider mountain b facilities in consultation with interest groups.
60 61 62 63 64 65 66	A website with a specific heading of 'Cycle Routes' is needed. The Bong Bong Track is poorly signposted for visitors to find. Side streets in Burradoo with entry to the track should be signposted. When you exit Burradoo Dr, near the Old Sth Rd/Kangaloon Rd roundabout there is no ramp on the other side of the road. To enter the new Kangaloon Rd path (narrower than the RTA minimum) one has to dismount or cycle over rutted rough ground to cross near the roundabout. A seamless link with appropriate refuges is needed. Appreciate the Bong Bong Track and hope that a similar path will be built along Argyle Street, Moss Vale Council supported a Greenhouse Gas Reduction Strategy in 2003. Within the strategy one identified action was the encouragement of use of alternative modes of transport. This comprehensive strategy proposed most definitely supports this action. I would ask that Council make available within 12 months, the funding for the development of a whole of shire Bicycle Strategy that can sit above the Mittagong, Bowra and Moss Vale Strategy. The vision presented by the Ben Mikic Foundation, whilst laudable, is only worthwhile of Council adopts it, believes in it and fully funds it. A huge proportion of cyclists are mountain bikers and I do not believe the Strategy addresses the needs of this group. There is nothing in the strategy that talks about Council actively developing trail networks on their land suitable for recreational mountain biking. Or of Council supporting existing networks on land under other tenures such as the trail network in Wingello State Forest. I fully support the strategy objective of increasing cycling as a mode of transport in and between the 3 largest towns of the Shire. A full strategy should look at all the options for recreational/tourism across the shire and decide on a coordinated approach to developing them.	Support program intiatives - Objective 1 Included Priority 1 Urban recreational route Included. Urban recreational route Priority 1 Included. Moss Vale Town Centre Linking towns Priority 1 Noted Noted Report updated (Section 6.1). Council to consider mountain b facilities in consultation with interest groups. Noted Noted. Outside of scope in this instance.
60 61 62 63 64 65 66 67 68	A website with a specific heading of 'Cycle Routes' is needed. The Bong Bong Track is poorly signposted for visitors to find. Side streets in Burradoo with entry to the track should be signposted. When you exit Burradoo Dr, near the Old Sth Rd/Kangaloon Rd roundabout there is no ramp on the other side of the road. To enter the new Kangaloon Rd path (narrower than the RTA minimum) one has to dismount or cycle over rutted rough ground to cross near the roundabout. A seamless link with appropriate refuges is needed. Appreciate the Bong Bong Track and hope that a similar path will be built along Argyle Street, Moss Vale Council supported a Greenhouse Gas Reduction Strategy in 2003. Within the strategy one identified action was the encouragement of use of alternative modes of transport. This comprehensive strategy proposed most definitely supports this action. I would ask that Council make available within 12 months, the funding for the development of a whole of shire Bicycle Strategy that can sit above the Mittagong, Bowra and Moss Vale Strategy. The vision presented by the Ben Mikic Foundation, whilst laudable, is only worthwhile of Council adopts it, believes in it and fully funds it. A huge proportion of cyclists are mountain bikers and I do not believe the Strategy addresses the needs of this group. There is nothing in the strategy that talks about Council actively developing trail networks on their land suitable for recreational mountain biking. Or of Council supporting existing networks on land under other tenures such as the trail network in Wingello State Forest. I fully support the strategy objective of increasing cycling as a mode of transport in and between the 3 largest towns of the Shire. A full strategy should look at all the options for recreational/tourism across the shire and	Support program intiatives - Objective 1 Included Priority 1 Urban recreational route Included. Urban recreational route Priority 1 Included. Moss Vale Town Centre Linking towns Priority 1 Noted Noted Report updated (Section 6.1). Council to consider mountain bifacilities in consultation with interest groups. Noted



	Tibee bicycle strategy - GTA nesponse to rubiic Exhibition comment	
Item	Comment	GTA Response and Action
	If the OLSH site at Centennial Road, Bowral is reinstated as recreational land for the	
71	community then extending the bike path adjacent to the Riparia corridor of the Wingecarribee Rivulet should be considered.	Included in Bike Plan Priority 3 Urban recreational route
	I would suggest a cycleway running between holly Road and Burradoo Road using the	included in Bike Flatti Hority & Orbati recreational route
	'unformed' Ranleagh Road, running north from Holly Road a track is existing now and	
72	used for walking and cycling by locals.	Low volume and therefore low priority.
73	I agree that establishing links to the main towns and destinations is a priority.	Noted
7.4	Intid a field in which a force O to a Read to Read to Read to O to a Read to I and a Read	Report (Section 5.3) and plans updated. Moss Vale bypass to
74	I think a link is missing from Suttor Road to Berrima (linking Suttor Rd to Lackey Rd) Having looked at the planned bike routes I have o say they would be some of the least	facilitate this link.
	cost-effective expenditures imaginable in these cash-strapped days These tracks	
	would benefit a tiny proportion of the population and even a small number, along fields	
75	and away from traffic, should even be considered.	Noted
	Residents of Elizabeth St, Phillip St, St James Close, Westminster Place and Bedford	
76	Place would benefit from an access to the Bong Bong Track.	Phillip St link included in proposed plan
	Strongly support the proposal to develop a network of bike paths joining the 3 main	
77	towns.	Noted
	The Transition Shire Wingecarribee initiative of CANWIN members is looking into ways to	110100
	reduce energy consumption with a network of bike paths and good public transport	
78	being essential components.	Noted
	It is important to enable villages to connect and consider the environmental impact of	
	materials used in the bike paths, e.g. concrete is highly unsustainable. We encourage you	Report undated (Section 5.7) Each route and leastion will
79	to research and select these materials, including newly developed substances, that provide a solid path but with minimal impact in production, use and disposal.	Report updated (Section 5.7). Each route and location will require an individual assessment taking these comments on board.
13	In view of the urgent need for this network of safe routes I would suggest that the	arrinariada assessment taning these confillents on board.
	standard could be more variable so that at least the routes can be established. This may	
	mean spending money on bridges over culverts and drains and leaving the track as a pad	Report updated (Section 5.7). Each route and location will require
80	for the present in many places.	an individual assessment taking these comments on board.
	It may be worthwhile checking into the Travelling Stock Routes to help with connections	
81	and off road linkages.	Noted
82	It's important to have numerous central bicycle parking spaces.	Parking an initiative in Strategy - Section 6.2
83	Submitted material previously about Missoula, Montana USA as an example of a similar bicycle network.	Noted
	The Planning section should ensure that future developments have through ways at the	Inoted
	end of the cul de sacs and easement allowances for tracks. This should apply to Sepp 5	
84	seniors places too.	Report updated (Section 6.3).
-	It would be practical to negotiate use of the railway service tracks for bicycle routes as	,
85	they are direct and usually a good gradient and would save some duplication.	Noted
	It has been a source of frustration that we have not had a safe route to get from Bowral to	
86	Mittagong. The path over the Gib is a winner and no.1 priority.	Noted Driggits 1 is to connect the 2 townships via majority off
87	Linking the 3 townships via a safe dedicated bike path is the next priority.	Noted. Priority 1 is to connect the 3 townships via majority off- road facilities
	Impressed with paths away from roads, e.g. the Berrima route (fantastic) and the bike	Toda racinites
88	route from East Bowral to the Bong Bong Track.	Noted
		Bong Bong Bridge to Eridge Pk Rd being constructed in 08/09.
		The priority of the proposed path from bridge to near Eridge Park
	Discount in the state of the st	along river is to be reduced as it follows a parallel route to that
90	Please provide a short link between the proposed East Bowral/River route and Eridge	being constructed. As such, no link would be considered unless
89	Park Road, especially if the leisure centre goes ahead at this site An extensive network of bike paths will attract visitors who want to make a day or two of it	the river route is established.
90	and cycle around the area visiting shops etc.	Noted
	Having a 'critical mass' of tracks is important in getting people out on their bikes - i.e. the	
91	more tracks there are the more people will recognise the attractiveness of this option.	Noted
00	Council should concentrate on providing for and encouraging LOCAL and frequent uses	Noted
92	of bikes rather than REGIONAL such as inter-urban and essentially recreational users. Attention should be given to ways in which public transport can be adapted to carry bikes	Noted
93	and providing secure bike racks at public transport interchanges.	Parking at public transport interchanges part of Support Program
	In Bowral, rather than directing school kids onto bike ways that use lightly trafficked	and an experience of the point
	streets to get them between schools, CBD, and homes on the east side of town, the	
	routes proposed would take them down busy main roads. Alternatively it would be	
	possible to identify and mark with paint, quiet on-road routes in Bowral e.g. between	L
94	Bowral High and the CBD.	Noted
05	No bike routes are currently linked to the Bike Ed facility and signposting to it is needed.	Report (Section 5.4) and maps updated.
95 96	Council needs a comprehensive transport and mobility strategy.	Noted. Outside of scope in this instance.
	We are ratepayers and bike riders and would like to use this form of transport more	- 1515 Catalas di Goops in tino motanos.
	regularly for maintenance of fitness, pleasure and increasingly as a contribution to	
	reducing our carbon footprint. However the current safety level of the main access roads	
97	severely limits our use	Noted
98	The main priority is to establish a safe link between Bowral and Mittagong.	Noted. Listed as Priority 1
	In the interim smaller and less expensive initiatives could be taken such as providing	Desired as initiative in Order of Control Co. S
00	more bike parking facilities and promoting motorists responsibilities for sharing the road	Parking an initiative in Strategy - Section 6.2. Report updated
99	with cyclists. Congratulate WSC on its support of the Transition Town Project and feel the speedy	(Table 6.1) to include comment on driver behaviour.
	adoption of the bike plan supports this transition towards a less carbon dependent	
100	community.	Noted
	Pleased to see the Bong Bong Track from the river to Eridge Park is high on the agenda	
101	- a link is needed between the 2 paths near the convent.	Bong Bong trail improvements Urban recreational Priority 1



Would also be used if there was an entirely off road circuit that could be done stand border. It is almost there in was between existing and proposed polish. — out the section along Kiröham Road that is an on-noad section issues a fair bit to be desired. Would be in regard to the proposed routes from Mittagong to Soward using the Mount Clibriator. 103 Period of the proposed routes from Mittagong to Soward using the Mount Clibriator Road Control of the Proposed Proposed routes from Mittagong to Soward using the Mount Clibriator. 104 Period of the proposed routes from Mittagong to Soward using the Mount Clibriator. 105 Period of the proposed routes from Mittagong to Soward using the Mount Clibriator. 106 Period of the Proposed routes from Mittagong to Soward using the Mount Clibriator. 107 Period of the Proposed routes from Mittagong to Soward using the Mount Clibriator. 108 Period of the proposed routes from Mittagong to Soward the World Proposed of Proposed on west aide along river in the Clibriator. 109 Period of the Proposed routes from Mittagong to Soward be supported. 100 Period Proposed Proposed routes from Mittagong to Boward be supported. 110 Period Proposed Propose
Bown — It is aninost there now between existing and proposed paths — but the section along kirkham Road that is an en-oral section leaves at any bit to be desired. Would be good if a dedicated path between there and Burnado following the native jim. In regard to be proposed crusts from Mittagong to Sewaria using the Mount (Distants of the proposed or the path of the path of the proposed or the path of the path
along Kirkham Road that is an on-road section leaves a fair bit to be desired. Would be 10 good of dedicating path between their and Brando following the railway inc. In regard to the proposed routes from Mittagoring to Brando solitors and the section of the proposed routes from Mittagoring to Brando solitors and the section of the s
102 good if a dedicated path between there and Burnados following the railwoy line. In regard to the proposed croster from Mittagong to Bownal using the Mourt Gibratian of the Port of t
In regard to the proposed routes from Mittagong to Boward using the Mount Chicattar Reserve perpieral first retails (Lower Gib East and Gib West), the group is supportive and believes the use of fire trails is suitable and logical. The group would lise to be involved in any planning and suggests that with minor work the responsibility and maintenance plan is in plane. Shard signs for the reserve access routes and begive track could minims the number of signs require. Noted As there are some steep sections occasional diffract knet spaces may be required. As there are some steep sections occasional diffract knet spaces may be required. As there are some steep sections occasional diffract knet spaces may be required. As there are some steep sections occasional diffract knet spaces may be required. As there are some steep sections occasional diffract knet spaces may be required. As there are some steep sections occasional diffract knet spaces may be required. As there are some steep sections occasional diffract knet spaces may be required. As there are some steep sections occasional diffract knet spaces may be required. As there are some steep sections occasional diffract knet spaces may be required. As there are some steep sections occasional diffract knet spaces may be required. As there are some steep sections occasional diffract knet spaces may be required. - Strongly suggest that the priority set at the workshop to establish a safe cycle track from Noted. - Strongly suggest that the priority set at the workshop to establish a safe cycle track from Noted. - If also needs to be recognized that implementation of the plan will essentially satisfy the needs of one user group claimly cycles and children who use bike tracks - Road racing cyclists who reads a safe training circuit - O Farmily cyclests and children who use bike tracks - O Garrat blaver, tocks and drourists) who role on roads in the shire - O Mountain blaves who train and race on mountain blave tracks - O Garrat blaver, tocks and drou
Reserve perspheral five trails (suxuella end logical. The group would like to be involved in any planning and suggests that with minor work the training could be used as an immediate interior connection, providing that a clear responsibility and maintenance plain is in place. The group would like to be involved in any planning and suggests that with minor work the training could be used as an immediate interior connection, providing that a clear responsibility and maintenance plain is in place. The street of the connection of the plan is place. The street are some steeps exclose across the fire trail entrances. Noted. Acacis Park, Moss Vale has a plan for the construction of a path to address well spring and access the fire trail entrances. The bloss strategy looks great. Bring it on!
believes the use of fire trails is suitable and logical. The group would like to be involved in any planning and suggests that with minor work the trails could be used as an immediate interim connection, providing that a clear report of the providence of the planning and suggests that with minor work the trails could be used as an immediate interim connection, providing that a clear report of the providence of the planning of the providence of the planning o
The group would like to be involved in any planning and suggests that with minor work the total total tool do used as an immediate interior connection, providing that a clear responsibility and maintenance plan is in place. Noted Start a signs for the resonance and provide track could minimise the number of signs require. Noted Start a sign for the resonance and beyele track could minimise the number of signs required as an immediate interior and signs for the resonance and beyele track could minimise the number of signs required. Noted Start and
trails could be used as an immediate interim connection, providing that a clear 14 responsibility and maintenance plan is in plane. Special track could minimise the number 15 of signs require. 16 It would be necessary for etain the 5 locked gales across the fire trail entrances. 17 As there are some steps sections occasional off track reat agrees may be required. 18 alone which him a boose by whether gale options. 19 The bits strategy looks great firing it on: 10 The bits strategy looks great firing it on: 110 All story was great that the priority set at the workshop to establish a safe cycle track from Mittagong to Bowral be upheld. 110 Mittagong to Bowral be upheld. 111 As the creating control of the plan will essentially satisfy the needs of one user group (family cyclists and children) and there are at least 7 other user groups that need to be catered for: 110 For bits and children who use bits tracks 111 Congruption of the plan will essentially satisfy the needs of one user group (family cyclists and children) and there are at least 7 other user groups that need to be catered for: 111 Orang road racing cyclists who need a safe training circuit 112 Orang road racing cyclists who read and tracks 113 Orang road racing cyclists who need a safe training circuit 114 Orang road racing cyclists who need a safe training circuit 115 Orang road racing cyclists who read and tracks of the orange of the company of the plane of th
responsibility and maintenance plan is in place. Shared signs for the reserve access roused and beyold track could minimise the number of signs require. 106 If would be necessary to retain the 5 locked gates across the fire trail entrances. 107 As there are some steep sections occasional off-reach rest spaces may be required. 108 As there are some steep sections occasional off-reach rest spaces may be required. 109 The blass strategy to level have a plan for the construction of a path to address wis spring areas within access by verbere and cycletis. 109 The blass strategy to level are a plan for the construction of a path to address wis spring areas within access by verbere and cycletis. 100 If the strategy to level are a plan for the construction of the plan will essentially satisfy the needs of one user groups (minh) cycletis and children) and there are at least 7 other user groups that need to be catered for: 109 Final Process of the second control of the plan will essentially satisfy the needs of one user group (minh) cycletis and children) and there are at least 7 other user groups that need to be catered for: 100 Final recting cyclists who rate and train or roads in the strice of the plan will essentially satisfy the needs of one user group (minh) cycletis and children) and there are at least 7 other user groups that need to be catered for: 100 Final recting cyclists who train and race on mountain the plan will essentially satisfy the office of the plan will essentially satisfy the process of the plan cycletis (each office who use is the tracks of the plan cycletis (each cycletis office) and train groups and train of the plan will essentially satisfy the plan cycletis of the plan cycle
Shared signs for the reserve access routes and bicycle track could minimise the number 105 of sign require. 106 It would be necessary to retain the 5 locked gates across the fire trail entrances. Noted 107 As there are some steps sections occasional off-track rest spaces may be required. 108 aces which limit access by walkers and opticities. 109 The blue strategy boke great. Bring it ori 109 The blue strategy boke great. Bring it ori 109 It is also needs to be recognised that implementation of the plan will essentially satisfy the needs of one user group (family cyclists and children) and there are at least 7 other user groups that need to be catered for: 110 Family cyclests and children who use bike tracks 111 Report updated (Section 6.1). 112 A great across the family of the stracks on Food racing cyclests who need a safe training circuit 113 O Pomoter oracing cyclests who need a safe training circuit 114 O Pomoter oracing that need to be with need as safe training circuit 115 O Family cyclests and children who use bike tracks 116 O Track cyclests who note and race or mountain bike tracks 117 O Track cyclests who note and race or mountain bike tracks 118 O Pomoter oracing train and rose at the Velodrone 119 O Pomoter oracing train and rose at the Velodrone 110 O Pomoter oracing the strain and rose at the Velodrone 111 O Pomoter oracing train and rose at the Velodrone 112 O As a priority establish a safe cycle track from Miltagong to Bowal 119 O Establish a 1km closed cycling circuit (criterium) for racing and training 110 Dipgrade the Veladrome 111 O Establish a 1km closed cycling circuit (criterium) for racing and training 115 O Establish a 1km closed cycling circuit (criterium) for racing and training 116 O Espand areas for creating mountain bike tracks 117 O Establish a site for future BMX track. 118 O Work with schools to identify again provided to cycle to and from school community and safety 119 O Pomoter oracing and safety and schools and schools to identify again provided tr
of signs require. 1616 It would be necessary to retain the 5 locked gates across the fire trail entrances. 1671 As there are some steep sections occasional off-track rest spaces may be required. 1681 Acade Park, Moss Vale has a plan for the construction of a path to address wet spring areas which firm access by walkers and cyclists. 1692 The bits strategy locks pare a plan to restrict the construction of a path to address wet spring areas which firm access by walkers and cyclists. 1693 The bits strategy locks great Elmig it on! 1704 Mistagon to Bown able to be recognized that implementation of the plan will essentially satisfy the negative plan of the plan will essentially satisfy the negative prough satisfy the satisfy the prough satisfy the negative prough satisfy the satisfy the negative prough satisfy the prough satisfy the negative prough satisfy the prough satisfy the negative prough satisfy the prough satisfy the prough satisfy the prough satisfy the pr
of signs require. 106 It would be necessary to retain the 5 locked gates across the fire trail entrances. Noted 107 As there are some steep sections occasional off-track rest spaces may be required. Acacla Park, Moss Vahe has a plan for the construction of a path to address wet spring 108 areas which firm access by walkers and cyclists. 109 The bite strategy lock has a plan for the construction of a path to address wet spring 109 The bite strategy lock prest. Bring it on! 100 The bite strategy lock great. Bring it on! 101 Mistagon to Bernal the underly. 101 Mistagon to Bernal the underly. 102 It also seeds to be recognized that implementation of the plan will escentially satisfy the necessary of the second process of one user group (affinity cyclists and children) and there are all least 7 other user groups that need to be catered for: 10 Family cyclists and children who use alse training circuit 10 General bytes (locals and tourists) who ride on the mountain bite and the second consideration of the mountain biter and the second consideration of the mountain biter and the second consideration of the secon
107 As there are some steep sections occasional off-track retagence may be required. Acacia Park, Moss Vale has a plan for the construction of a path to address wet spring 108 areas which that access by walkers and cycletis. 109 The blike strategy looks great. Bring it on! 110 Alter of the priority set at the workshop to establish a safe cycle track from 111 Mittagong to Bowral be upheld. 112 I also needs to be recognised that implementation of the plan will essentially satisfy the 113 needs to be recognised that implementation of the plan will essentially satisfy the 114 needs of one used group (family cycletis and children) and there are at least 7 other user 115 groups that need to be calered for. 116 a some and the priority set at the workshop to establish a safe cycle track from 117 Noted. Listed as Priority 1 118 needs to be recognised that implementation of the plan will essentially satisfy the 119 needs of one used group (family cycletis and children) and there are at least 7 other user 119 groups that need to be calered for. 110 a set recognised who need a safe training circuit 110 o Bundarian blakers who train and race on mountain bike tracks 111 o Bundarian blakers who train and race at the Velodrome 111 o Bundarian blakers who train and race at the Velodrome 111 o Bundarian blakers who train and race at the Velodrome 112 o As a priority establish as asked cycle track from Mittagong to Bowral 113 o Promoter road rules relating to sharing the road with cyclets 114 o Pas a priority establish as asked cycle track from Mittagong to Bowral 115 o Establish a 1km closed cycling circuit (criterium) for racing and training 116 expand areas for creating mountain bike tracks 117 o Establish a 1km closed cycling circuit (criterium) for racing and training 118 o Establish a 1km closed cycling circuit (criterium) for racing and training 119 o Establish a 1km closed cycling circuit (criterium) for racing and training 119 o Establish a 1km closed cycling circuit (criterium) for racing and training 119 o Establish
Asia Park, Mass Vale has a plan for the construction of a path to address wet spring areas which first date has a plan for the construction of a path to address wet spring areas which first intia access by walkers and cyclists. 109 The bilke istrategy looks great. Bring it ont! 110 Strongly suggest that the priority set at the workshop to establish a safe cycle track from Mittagong to Bowral be upheld: 111 All as needs to be recognized that implementation of the plan will essentially satisfy the recognized provides and control of the plan will essentially satisfy the recognized provides and control of the plan will essentially satisfy the recognized provides and control of the plan will essentially satisfy the recognized provides and control of the plan will essentially satisfy the recognized provides and children who use bits tracks o Road racing cyclists who race and train on roads in the shire o Young road racing cyclists who need as sate fraining circuit o General bytes (locals and tourists) who ride on the mountain the recase o General biters (locals and tourists) who ride on the mountain tracks o General biters (locals and tourists) who ride on the mountain tracks or an interest cyclists who read as a set fraining circuit or bit of the company of the
Acacia Park, Moss Vale has a plan for the construction of a path to address wet spring 108 area which limit access by wakers and cyclists. The bike strategy looks great. Bring it on! *Strongly suggest that the priority set at the workshop to establish a safe cycle track from Mittagong to Bowral be upheld. *Strongly suggest that the priority set at the workshop to establish a safe cycle track from Mittagong to Bowral be upheld. *It also needs to be recognised that implementation of the plan will essentially satisfy the needs of one user group (chairs) explicits and children) and there are as alleast 7 other user groups that need to be catered for: • Family cyclists and children who use bike tracks • Road racing cyclists the drainer who use bike tracks • Road racing cyclists the drainer and race on mountain bike tracks • Road racing cyclists to the oracle and tracks of contract by the contract of the contra
109 The bike strategy loss grant. Bring it on! 110 Strongly suggest that the priority set at the workshop to establish a safe cycle track from Mittagong to Bowral be upheld. 110 Is also needs to be recognised that implementation of the plan will essentially satisfy the needs of one user group (family cyclists and children) and there are at least 7 other user groups that need to be catered for: 110 O Family cyclists and children with ouse bike tracks 0 Road racing cyclists who race and train on roads in the shire 0 Young road racing cyclists who need a safe training circuit 1 Cemeral bikers (locals and fourish) who ride on roads in the shire 0 Young road racing cyclists who need a safe training circuit 1 Is acknowledged that there are a wide variety of cyclis differing experience levels and interests. Blikt roads 0 Cemeral bikers (locals and fourish) who ride on road mortals in tasks 0 Road racing cyclists who need a safe training circuit 1 Is acknowledged that there are a wide variety of cyclis differing experience levels and interests. Blikt roads 11 Is a Chromaton of the plan will be cyclists mortal bit believes and family based on interest shown or community and safety 11 Is a Chromaton of the plan will be cyclists and children will be promote road rules reading to sharing the road with cyclists 11 Is a Chromaton of the plan will be promoted to the plan of the plan will be promoted to the plan of the plan will be promoted to the plan of the
- Strongly suggest that the priority set at the workshop to establish a safe cycle track from Mittagong to Boward be upheld. - It also needs to be recognised that implementation of the plan will essentially satisfy the needs of one user group (family cyclists and children) and there are at least 7 other user groups that need to be catered for: o Family cyclists and children who use bike tracks o Road racing cyclists who race and train on roads in the shire o Young road racing cyclists who race and train on roads in the shire o Young road racing cyclists who race and train on roads in the shire o Mountain bikers with ortain and race at a safe training circuit o General byteins (coals and tourists) who ride on roads in the shire o Mountain bikers with train and race at the Velodrome of BMX riders (solats and tourists) who ride on the mountain tracks o General bikers (locals and tourists) who ride on the mountain tracks o General bikers (locals and tourists) who ride on the mountain tracks of the Cyclists of the Velodrome on mountain bike tracks of the Following strategies are supported: 112 o As a priority establish a safe cycle track from Mittagong to Bowral of the Veladrome 113 o Promote road ruse relating to sharing the road with cyclists 114 o Lipgrade the Veladrome 115 o Establish a 1km closed cycling circuit (criterium) for racing and training 116 o Expand areas for creating mountain bike tracks o Expand areas for creating mountain bike tracks of the complete cyclists and traces are wide variety of cyclist differing experience sharl and training self-group countain bikers - track cyclists. BMX riders o Establish a 1km closed cycling circuit (criterium) for racing and training 116 o Expand areas for creating mountain bike tracks of the cyclist in the countain bikers - track cyclists. BMX riders o Establish a site for future BMX track. 117 o Establish a site for future BMX track. 118 o Work with schools to identify safe routes for kids to cycle to and from school of but the place of the cycli
* Strongly suggest that the priority set at the workshop to establish a safe cycle track from Mitagong to Bowal be upheld. * It also needs to be recognised that implementation of the plan will essentially satisfy the needs of one user group (family cyclists and children) and there are at least 7 other user groups that need to be catered for: or Family cyclists and children who use bike tracks or Road racing cyclists who need a safe training circuit or General bikers (locals and tourists) who ride on the ometal in the shire or Young road racing cyclists who need a safe training circuit or General bikers (locals and tourists) who ride on the ometal in the shire or Young road racing cyclists who race and tracks or General bikers (locals and tourists) who ride on the ometal tracks or Track cyclists who train and race on mountain bike tracks or Track cyclists who train and race at the Velodrome or Track cyclists who train and race at the Velodrome or Track cyclists who train and race at the Velodrome or Track cyclists who train and race at the Velodrome or Track cyclists who train and race at the Velodrome or Track cyclists who train and race at the Velodrome or Track cyclists who train and race at the Velodrome or Track cyclists who train and race at the Velodrome or Track cyclists who train and race at the Velodrome or Track cyclists who train and race at the Velodrome or Track cyclists who train and race at the Velodrome or Track cyclists who train and race at the Velodrome or Track cyclists who train and race at the Velodrome or Track cyclists who train and race at the Velodrome or Track cyclists who train and race at the Velodrome or Track cyclists who train and race at the Velodrome or Track cyclists who train and race at the Velodrome or Track cyclists who track cyclists who track and tracests: Bike track user cyclists mountain bike track user cyclists mountain bike track user cyclists mountain bike track user cyclists track cyclists. BMX riders counted in the track user cyclists who track and tracests: Bik
I also needs to be recognised that implementation of the plan will essentially satisfy the needs of one user group (family cyclists and children) and there are at least 7 other user groups that need to be catered for: **O Family cyclists and children who use bike tracks **O Road racing cyclists who race an artia on roads in the shire of Young road racing cyclists who need a safe training circuit on General cyclists (coals and tourists) who ride on roads in the shire of Mountain bikers who train and race on mountain bike tracks on General bikers (coals and tourists) who ride on the mountain tracks of Track cyclists who train and race at the Velodrome of Track cyclists who train and race at the Velodrome of Track cyclists who train and race at the Velodrome of Track cyclists who read in the shire of Young strategies are supported: **In Bollwing strategies are supported:** **In Export updated (Table 61).** **In Export updated (Section 6.1).** **In Export updated (Table 61).** **In Export updated (Section 6.1).** **In Export updated (Section 6.1)
It is acknowledged that there are a wide variety of cyclist and children) and there are at least 7 other user groups that med to be catered for: o Family cyclists and children who use bike tracks o Road racing cyclists who race and training circuit o General cyclists who race and training circuit o General cyclists who race and race on mountain bike tracks o General cyclists who race and and race on mountain bike tracks o Track cyclists who train and race on mountain bike tracks o Track cyclists who train and race at the Velodrome o Track cyclists who train and race at the Velodrome o Track cyclists who race and race at the Velodrome o Track cyclists who race and race at the Velodrome o Track cyclists who race and race at the Velodrome o Track cyclists who race and race at the Velodrome o Track cyclists who race and race at the Velodrome o Track cyclists who race and race at the Velodrome o Track cyclists who race and race at the Velodrome o Track cyclists who race and race at the Velodrome o Track cyclists who race and race at the Velodrome o Track cyclists who race and race at the Velodrome o Track cyclists who race and race at the Velodrome o Track cyclists who race and race at the Velodrome o Track cyclists who race and race at the Velodrome o Track cyclists who race and race at the Velodrome o Track cyclists who race and race at the Velodrome o Track cyclists who race and race at the Velodrome o Track cyclists who race and race at the Velodrome o Track cyclists who race and race at the Velodrome o Track cyclists who race and the threa are a wide variety of cyclis differing experience levels and interests: Bike track user cyclists who race and the proposed differing experience levels and interests: Bike track user cyclists who race and the proposed differing experience levels and interests: Bike track user cyclists who race and the p
It also needs to be recognised that implementation of the plan will essentially satisfy the needs of one user group (family cyclists and children) and there are at least 7 other user groups that need to be catered for: O Family cyclists and children who use bike tracks O Road racing cyclists who race and train on roads in the shire O Young road racing cyclists who race a safe training circuit O General cyclists (locals and tourists) who ride on roads in the shire O Mountain bikers who train and race a on mountain bike tracks O General Dikers (locals and tourists) who ride on the mountain tracks O General Dikers (locals and tourists) who ride on the mountain tracks O General Dikers (locals and tourists) who ride on the mountain tracks O General Dikers (locals and tourists) who ride on the mountain tracks O General Dikers (locals and tourists) who ride on the mountain tracks O General Dikers (locals and tourists) who ride on the mountain tracks O General Dikers (locals and tourists) who ride on the mountain tracks O General Dikers (locals and tourists) who ride on the mountain tracks O Demote road rates relating to sharing the road with cyclists
needs of one user group (family cyclists and children) and there are at least 7 other user groups that need to be catered for: o Family cyclists and children who use bike tracks o Road racing cyclists who race and train on roads in the shire o Young road racing cyclists who need a safe training circuit o General cyclists (coals and tourists) who ride on the mountain the shire o Mountain bikers who train and race on mountain bike tracks o General bikers (locals and tourists) who ride on the mountain tracks o Track cyclists who train and race at the Velodrome of Mountain bikers are supported: 112 o As a priority establish a safe cycle track from Mittagong to Bowral 113 o Promote road rules relating to sharing the road with cyclists 114 o Upgrade the Veladrome 115 o Establish a 1km closed cycling circuit (criterium) for racing and training 116 o Establish a 1km closed cycling circuit (criterium) for racing and training 117 o Establish a 1km closed cycling circuit (criterium) for racing and training 118 o Expand areas for creating mountain bike tracks 119 o Establish a 1km closed cycling circuit (criterium) for racing and training 110 o Establish a site for future BMX track. 110 o Establish a site for future BMX track. 111 o Expand areas for creating mountain bike tracks 119 o Vork with schools to identify safe routes for kids to cycle to and from school 110 o Establish a site for future BMX track. 111 o De Work with schools to identify safe routes for kids to cycle paths to the recently upgraded Lake Alexandra, which is now regulatry used by families. At present most users cyclists - mountain bikers - track cyclists - BMX riders Council priorities each facility based on interests blown community and safety 110 o Establish a site for future BMX track. 111 o Vork with schools to identify safe routes for kids to cycle to and from school 110 o Establish a site for future BMX track. 111 o Vork with schools to identify safe routes for kids to cycle to and from school 112 of vork beta lead and them rid
groups that need to be catered for: o Pamily cyclists and children who use bike tracks O Road racing cyclists who race and train on roads in the shire O Young road racing cyclists who race and train on roads in the shire O Young road racing cyclists who race and train on roads in the shire O Mountain bikers who train and race on mountain bike tracks O General Diklers (locals and tourists) who ride on roads in the shire O General Diklers (locals and tourists) who ride on the mountain tracks O General Diklers (locals and tourists) who ride on the mountain tracks O General Diklers (locals and tourists) who ride on the mountain tracks O BMX riders (a trail Olympic event) O BAS a priority establish a safe cycle track from Mittagong to Bowal O Lygrade the Veladrome 1113 O Pomoter road rules relating to sharing the road with cyclists 114 O Lygrade the Veladrome 115 O Establish a 1km closed cycling circuit (criterium) for racing and training 116 O Establish a 1km closed cycling circuit (criterium) for racing and training 117 O Establish a site for future BMX track. 118 O Expand areas for creating mountain bike tracks 119 O Work with schools to identify safe routes for kids to cycle to and from school O Further Pictor Mittagong cycle track and existing cycle to and from school O Further Pictor Mittagong cycle track and existing cycle paths to the recently upgraded Lake Alexandra, which is now regularly used by families. At present most users O Wer regularly use, and see other families negotiating the narrow part of range road next to Sturt Gallery. I would like to see links from the proposed cycleways included in the strategy. I would like to see a link to
o Family cyclists who race and train or roads in the shire o Young road racing cyclists who need a safe training circuit o General cyclists (locals and fuorists) who ride on roads in the shire of Mountain bikers who train and race on mountain bike tracks o General bikers (locals and fuorists) whor ride on the mountain tracks o General bikers (locals and fuorists) whor ride on the mountain tracks o Track cyclists who train and race at the Velodrome o Track cyclists who train and race at the Velodrome o Track cyclists who rain and race at the Velodrome o Track cyclists who rain and race at the Velodrome o Track cyclists who rain and race at the Velodrome o Track cyclists who rain and race at the Velodrome o Track cyclists who rain and race at the Velodrome o Track cyclists who rain and race at the Velodrome o Track cyclists who rain and race at the Velodrome o Track cyclists who rain and race at the Velodrome o Track cyclists who rain and race at the Velodrome The following strategies are supported: The fo
o Family cyclists who race and train or roads in the shire o Young road racing cyclists who race and train on roads in the shire o General cyclists who closed and found the property of the shire o General cyclists who read as det training circuit o General blerist (locals and founds) who ride on the mountain tracks o General blerist (locals and founds) who ride on the mountain tracks o General blerist (locals and founds) who ride on the mountain tracks o Track cyclists who train and race at the Velodrome o Track cyclists who rain an
o Road racing cyclists who race and train on roads in the shire o Young road racing cyclists who race and train on roads in the shire o General cyclists (locals and tourists) who ride on roads in the shire o Mountain bikers who train and race on mountain biker tracks o General bikers (locals and tourists) who ride on the mountain tracks o Track cyclists who train and race at the Velodrome 111 o BMX riders (a trail Clympic event) 112 o As a priority establish a safe cycle track from Mittagong to Bowral 113 o Promote road rules relating to sharing the road with cyclists 114 o Upgrade the Veladrome 115 o Establish a 1 km closed cycling circuit (criterium) for racing and training 116 o Establish a 1 km closed cycling circuit (criterium) for racing and training 117 o Establish a site for future BMX track. 118 o Expand areas for creating mountain bike tracks 119 o Establish a site for future BMX track. 110 o Establish a site for future BMX track. 110 o Establish a site for future BMX track. 111 o Establish a site for future BMX track. 112 o Establish a site for future BMX track. 113 o Promote creating mountain bike tracks 114 o Expand areas for creating mountain bike tracks 115 o Expand areas for creating mountain bike tracks 116 o Expand areas for creating mountain bike tracks 117 o Establish a site for future BMX track. 118 o Work with schools to identify safe routes for kids to cycle to and from school 119 o Put the Picton-Mittagong cycle track along the old rail line on the Bike Plan agenda and consider use south of Moss Vale 119 David Rice to see links from the proposed and existing cycle paths to the race a wide variety of cyclist differing experience levels and interests: Bike track user cyclists - mountain bikers - track cyclists - BMX riders 119 Council prioritises each facility based on interest shown community and safety 119 consider use south of Moss Vale 110 Establish a site for future BMX track. 1110 O Work with schools to identify safe routes for kids to cycle to and from school 119 conditions and p
o Young road racing cyclists who need a safe training circuit o General cyclists (locals and tourists) who ride on roads in the shire of Mountain bikers who train and race on mountain bike tracks o General bikers (locals and tourists) who ride on the mountain tracks o Track cyclists who train and race at the Velodrome o Track cyclists who train and race at the Velodrome o BMX riders (a trail Olympic event) o Demonstrate (a trail olympic event) o Demo
o General cyclists (locals and tourists) who ride on roads in the shire of Mountain bikers who train and race on mountain bike tracks on General bikers (locals and tourists) who ride on the mountain tracks of General bikers (locals and tourists) who ride on the mountain tracks of General bikers (locals and tourists) who ride on the mountain tracks operation of Track cyclists who train and race at the Velodrome on the Mountain bikers - track cyclists - MOUNT of Mountain bikers - track cyclists - MOUNT
o Mourtain bikers who train and race on mountain bike tracks of General bikers (locals and tourists) who ride on the mountain tracks of General bikers (locals and tourists) who ride on the mountain tracks of Track cyclists who train and race at the Velodrome of Track cyclists who train and race at the Velodrome of Track cyclists who train and race at the Velodrome of Track cyclists who train and race at the Velodrome of Track cyclists and the proposed of the Velodrome of Track cyclists and the proposed of the Velodrome of Track cyclists and the Velodrome of Track cyclists as the cyclists of Track cyclists and the Velodrome of Track cyclists of Track cyclists and the Velodrome of Track cyclists of Track cyclists of Track cyclists and the Velodrome of Track cyclists of Track cy
o General bikers (locals and tourists) who ride on the mountain tracks o Track cyclists who train and race at the Velodrome o BMX riders (a trail Olympic event) 112 o BMX riders (a trail Olympic event) 113 o Promoter road rules relating to sharing the road with cyclists 114 o Upgrade the Veladrome 115 o Promoter road rules relating to sharing the road with cyclists 116 o Upgrade the Veladrome 117 o Establish a Site Cycling circuit (criterium) for racing and training 118 o Establish a 1km closed cycling circuit (criterium) for racing and training 119 o Establish a 1km closed cycling circuit (criterium) for racing and training 110 o Expand areas for creating mountain bike tracks 110 o Expand areas for creating mountain bike tracks 111 o Expand areas for creating mountain bike tracks 112 o Expand areas for creating mountain bike tracks 113 o Expand areas for creating mountain bike tracks 114 o Expand areas for creating mountain bike tracks 115 o Expand areas for creating mountain bike tracks 116 o Expand areas for creating mountain bike tracks 117 o Expand areas for creating mountain bike tracks 118 o Work with schools to identify safe routes for kids to cycle to and from school 119 o Owork with schools to identify safe routes for kids to cycle to and from school 119 o Work with schools to identify safe routes for kids to cycle to and from school 119 o Work with schools to identify safe routes for kids to cycle to and from school 119 o Work with schools to identify safe routes for kids to cycle to and from school 119 o Word kids to see links from the proposed and existing cycle paths to the recently upgraded Lake Alexandra, which is now regularly used by families. At present most users drive to the lake and then ride their bikes around the pathway. 120 drive to the lake and then ride their bikes around the pathway. 121 would like to see links from the proposed and existing cycle paths to the recently upgraded Lake Alexandra, which is now regularly used by families. At present most users dr
o Track cyclists who train and race at the Velodrome o BMX riders (a trail Olympic event) 112 o As a priority establish a safe cycle track from Mittagong to Bowral 113 o Pormoter road rules relating to sharing the road with cyclists 114 o Ugrade the Veladrome 115 o Pormoter road rules relating to sharing the road with cyclists 116 o Ugrade the Veladrome 117 o Establish a 1km closed cycling circuit (criterium) for racing and training 118 o Expand areas for creating mountain bike tracks 119 o Expand areas for creating mountain bike tracks 110 o Expand areas for creating mountain bike tracks 110 o Expand areas for future BMX track. 111 o Very with schools to identify safe routes for kids to cycle to and from school 119 o Work with schools to identify safe routes for kids to cycle to and from school 119 o Work with schools to identify safe routes for kids to cycle to and from school 119 o Work with schools to identify safe routes for kids to cycle to and from school 110 o Work with schools to identify safe routes for kids to cycle to and from school 110 o Work with schools to identify safe routes for kids to cycle to and from school 110 o Work with schools to identify safe routes for kids to cycle to and from school 110 o Work with schools to identify safe routes for kids to cycle to and from school 110 o Work with schools to identify safe routes for kids to cycle to and from school 110 o Work with schools to identify safe routes for kids to cycle to and from school 110 o Work with schools to identify safe routes for kids to cycle to and from school 1110 o Work with schools to identify safe routes for kids to cycle to and from school 1110 o Work with schools to identify safe routes for kids to cycle to and from school 1110 o Work with schools to identify safe routes for kids to cycle to and from school 1120 o Work with schools to identify safe routes for kids to cycle to and from school 1120 o Work with schools to identify safe routes for kids to cycle to and from school 1120 o Work with schools to identify
strategies are supported: Noted. Listed as Priority 1 Noted. Listed as Priority 1 O As a priority establish a safe cycle track from Mittagong to Bowral
The following strategies are supported: 112
112 O As a priority establish a safe cycle track from Mittagong to Bowral 113 o Promote road rules relating to sharing the road with cyclists 114 o Upgrade the Veladrome 115 o Upgrade the Veladrome 116
112 O As a priority establish a safe cycle track from Mittagong to Bowral 113 o Promote road rules relating to sharing the road with cyclists 114 o Upgrade the Veladrome 115 o Upgrade the Veladrome 116
113 O Promote road rules relating to sharing the road with cyclists Report updated (Table 6.1). 114 o Upgrade the Veladrome Report updated (Section 5.6 and 6.1). 115 o Establish a 1km closed cycling circuit (criterium) for racing and training Report updated (Section 5.6 and 6.1). 116 o Expand areas for creating mountain bike tracks Report updated (Section 6.1). 117 o Establish a site for future BMX track. 118 o Work with schools to identify safe routes for kids to cycle to and from school o Put the Pictorn/Mittagong cycle track along the old rail line on the Bike Plan agenda and included. Noted Report updated (Section 6.1).
114 o Upgrade the Veladrome Included as Support Plan Objective 5. Report updated (Section 5.6 and 6.1). It is acknowledged that there are a wide variety of cyclis differing experience levels and interests: Bike track user oyclists - mountain bikers - track cyclists - Mark riders Council prioritises each facility based on interest shown community and safety Berrima Double 8 loop could provide closed circuit facilit Report updated (Section 6.1). It is acknowledged that there are a wide variety of cyclis differing experience levels and interests: Bike track user oyclists - mountain bikers - track cyclists - Mark riders Council prioritises each facility based on interest shown community and safety Berrima Double 8 loop could provide closed circuit facility as experience levels and interests: Bike track user oyclists - mountain bikers - track cyclists - Mark riders Council prioritises each facility based on interest shown community and safety Berport updated (Section 6.1). It is acknowledged that there are a wide variety of cyclis differing experience levels and interests: Bike track user oyclists - mountain bikers - track cyclists - Mark riders Council prioritises each facility based on interest shown interest shown in the safety of cyclis differing experience levels and interests: Bike track user oyclists - mountain bikers - track cyclists - Mark riders council prioritises each facility based on interest shown in the safety of cyclis of the facility based on interest shown in the proposed on the path of the safety of cyclist - mountain bikers - track cyclists - BMX riders council prioritises each facility based on interest shown in the safety of cyclists - mountain bikers - track cyclists - BMX riders outlined to the path of the proposed track along the old rail line on the Bike Plan agenda and consider use south of Moss Vale Bang the Table Website Mittagong We regularly use, and see other families negotiating the narrow part of range road next to be signposted. No facility construction. Bowal I would lik
Report updated (Section 5.6 and 6.1). It is acknowledged that there are a wide variety of cyclis differing experience levels and interests: Bike track user cyclists - mountain bikers - track cyclists - BMX riders Council prioritises each facility based on interest shown community and safety Berrima Double 8 loop could provide closed circuit facility and safety derived (Section 6.1). It is acknowledged that there are a wide variety of cyclis differing experience levels and interests: Bike track user cyclists - mountain bikers - track cyclists - BMX riders Council prioritises each facility based on interest shown in community and safety of cyclists - mountain bikers - track cyclists - BMX riders Council prioritises each facility based on interest shown in community and safety of cyclists - mountain bikers - track cyclists - BMX riders Council prioritises each facility based on interests shown in community and safety of cyclists - mountain bikers - track cyclists - BMX riders Council prioritises each facility based on interest shown in community and safety of cyclists in the proposed and existing cycle to and from school of Put the Pictorn/Mitagong cycle track along the old rall line on the Bike Plan agenda and consider use south of Moss Vale Bang the Table Website Mittagong I would like to see links from the proposed and existing cycle paths to the recently upgraded Lake Alexandra, which is now regularly used by families. At present most users drive to the lake and the ride their bikes around the pathway. We regularly use, and see other families negotiating the narrow part of range road next to Sturt Gallery. I would like to see more designated bikeways on the southern side of the town (Oxley drive/Spencer Street) which can eventually link up with Lake Alexandra. Bowal I commend the proposed cycleways included in the strategy. I would like to see a link to
It is acknowledged that there are a wide variety of cyclis differing experience levels and interests: Bike track user cyclists - mountain bikers - track cyclists - BMX riders community and safety Berrima Double 8 loop could provide closed circuit facilit Report updated (Section 6.1). It is acknowledged that there are a wide variety of cyclis differing experience levels and interests: Bike track user cyclists - mountain bikers - track cyclists - BMX riders Council prioritises each facility based on interest shown in the same track user cyclists - mountain bikers - track cyclists - BMX riders Council prioritises each facility based on interest shown interest s
differing experience levels and interests: Bike track user cyclists - mountain bikers - track cyclists - BMX riders Council prioritises each facility based on interest shown community and safety Berrima Double 8 loop could provide closed circuit facilitis Report updated (Section 6.1). It is acknowledged that there are a wide variety of cyclist differing experience levels and interests: Bike track user cyclists - mountain bikers - track cyclists - BMX riders Council prioritises each facility based on interest shown community and safety 116 o Expand areas for creating mountain bike tracks 117 o Establish a site for future BMX track. 118 o Work with schools to identify safe routes for kids to cycle to and from school of Put the Picton/Mittagong cycle track along the old rail line on the Bike Plan agenda and consider use south of Moss Vale 119 consider use south of Moss Vale 120 drive to the lake and then ride their bikes around the pathway. We regularly use, and see other families negotiating the narrow part of range road next to Sturt Gallery. I would like to see more designated bikeways on the southern side of the town (Oxley drive/Spencer Street) which can eventually link up with Lake Alexandra. Bowral differing experience levels and interests: Bike track user cyclists - mountain bikers - track cyclists - BMX riders Council prioritises each facility based on interest shown community and safety Report updated (Section 6.1). It is acknowledged that there are a wide variety of cyclist differing experience levels and interests: Bike track user cyclists - mountain bikers - track cyclists - BMX riders Council prioritises each facility based on interest shown interest
cyclists - mountain bikers - track cyclists - BMX riders Council prioritises each facility based on interest shown community and safety Berrima Double 8 loop could provide closed circuit facilit Report updated (Section 6.1). It is acknowledged that there are a wide variety of cyclis differing experience levels and interests: Bike track user cyclists - mountain bikers - track cyclists - BMX riders Council prioritises each facility based on interest shown community and safety Report updated (Section 6.1). It is acknowledged that there are a wide variety of cyclis differing experience levels and interests: Bike track user cyclists - mountain bikers - track cyclists - BMX riders Council prioritises each facility based on interest shown community and safety Report updated (Section 6.1). It is acknowledged that there are a wide variety of cyclis differing experience levels and interests: Bike track user cyclists - mountain bikers - track cyclists - BMX riders Council prioritises each facility based on interest shown community and safety 117 o Establish a site for future BMX track. 118 o Work with schools to identify safe routes for kids to cycle to and from school o Put the Pictor/Mittagong cycle track along the old rail line on the Bike Plan agenda and consider use south of Moss Vale Bang the Table Website Mittagong I would like to see links from the proposed and existing cycle paths to the recently upgraded Lake Alexandra, which is now regularly used by families. At present most users drive to the lake and then ride their bikes around the pathway. We regularly use, and see other families negotiating the narrow part of range road next to Sturt Gallery. I would like to see more designated bikeways on the southern side of the town (Oxley drive/Spencer Street) which can eventually link up with Lake Alexandra. Bowral I commend the proposed cycleways included in the strategy. I would like to see a link to
Council prioritises each facility based on interest shown community and safety Berrima Double 8 loop could provide closed circuit facility Berrima Double 8 loop could provide closed circuit facility Berrima Double 8 loop could provide closed circuit facility Berrima Double 8 loop could provide closed circuit facility Berrima Double 8 loop could provide closed circuit facility Berrima Double 8 loop could provide closed circuit facility Berrima Double 8 loop could provide closed circuit facility Berrima Double 8 loop could provide closed circuit facility Berrima Double 8 loop could provide closed circuit facility Berrima Double 8 loop could provide closed circuit facility Berrima Double 8 loop could provide closed circuit facility Berrima Double 8 loop could provide closed circuit facility Berrima Double 8 loop could provide closed circuit facility Berrima Double 8 loop could provide closed circuit facility Berrima Double 8 loop could provide closed circuit facility Berrima Double 8 loop could provide closed circuit facility Berrima Double 8 loop could provide closed circuit facility Berrima Double 8 loop could provide closed circuit facility Berrima Double 8 loop could provide closed circuit facility based on interests: Bike track user cyclists - mountain bikers - track cyclists - BMX riders Council prioritises each facility based on interests: Bike track user cyclists - mountain bikers - track cyclists - BMX riders Council prioritises each facility based on interest shown community and safety It is acknowledged that there are a wide variety of cyclist inferior gexperionce levels and interests: Bike track user cyclists - mountain bikers - track cyclists - BMX riders Council prioritises each facility based on interest shown community and safety Report updated (Section 6.1). It is acknowledged that there are a wide variety of cyclists - BMX riders Council prioritises each facility based on interest shown community and safety Report updated (Section 6.1). It is acknowledged that there are a wide variety of cyc
community and safety Berrima Double 8 loop could provide closed circuit facilit Report updated (Section 6.1). It is acknowledged that there are a wide variety of cyclis differing experience levels and interests: Bike track user cyclists - mountain bikers - track cyclists - BMX riders Council prioritises each facility based on interest shown community and safety Report updated (Section 6.1). It is acknowledged that there are a wide variety of cyclis differing experience levels and interests: Bike track user cyclists - mountain bikers - track cyclists - BMX riders Council prioritises each facility based on interest shown community and safety Report updated (Section 6.1). It is acknowledged that there are a wide variety of cyclis differing experience levels and interests: Bike track user cyclists - mountain bikers - track cyclists - BMX riders Council prioritises each facility based on interest shown community and safety 117 o Establish a site for future BMX track. Ouncil prioritises each facility based on interest shown community and safety 118 o Work with schools to identify safe routes for kids to cycle to and from school o Put the Picton/Mittagong cycle track along the old rail line on the Bike Plan agenda and consider use south of Moss Vale Bang the Table Website Mittagong I would like to see links from the proposed and existing cycle paths to the recently upgraded Lake Alexandra, which is now regularly used by families. At present most users drive to the lake and then ride their bikes around the pathway. We regularly use, and see other families negotiating the narrow part of range road next to Sturt Gallery. I would like to see more designated bikeways on the southern side of the town (Oxley drive/Spencer Street) which can eventually link up with Lake Alexandra. Bowal I commend the proposed cycleways included in the strategy. I would like to see a link to
Double 8 loop could provide closed circuit facilit Report updated (Section 6.1). It is acknowledged that there are a wide variety of cyclis differing experience levels and interests: Bike track user cyclists - mountain bikers - track cyclists - BMX riders Council prioritises each facility based on interest shown community and safety 116
Double 8 loop could provide closed circuit facilit Report updated (Section 6.1). It is acknowledged that there are a wide variety of cyclis differing experience levels and interests: Bike track user cyclists - mountain bikers - track cyclists - BMX riders Council prioritises each facility based on interest shown community and safety 116
Report updated (Section 6.1). It is acknowledged that there are a wide variety of cyclis differing experience levels and interests: Bike track user cyclists - mountain bikers - track cyclists - BMX riders Council prioritises each facility based on interest shown community and safety Report updated (Section 6.1). It is acknowledged that there are a wide variety of cyclis differing experience levels and interests: Bike track user community and safety Report updated (Section 6.1). It is acknowledged that there are a wide variety of cyclis differing experience levels and interests: Bike track user cyclists - mountain bikers - track cyclists - BMX riders Council prioritises each facility based on interest shown community and safety 117 o Establish a site for future BMX track. 118 o Work with schools to identify safe routes for kids to cycle to and from school o Put the Picton/Mittagong cycle track along the old rail line on the Bike Plan agenda and consider use south of Moss Vale Bang the Table Website
It is acknowledged that there are a wide variety of cyclis differing experience levels and interests: Bike track user cyclists - mountain bikers - track cyclists - BMX riders Council prioritises each facility based on interest shown community and safety Report updated (Section 6.1)
differing experience levels and interests: Bike track user cyclists - mountain bikers - track cyclists - BMX riders Council prioritises each facility based on interest shown community and safety Report updated (Section 6.1). It is acknowledged that there are a wide variety of cyclist differing experience levels and interests: Bike track user cyclists - mountain bikers - track cyclists - BMX riders (Socion 6.1). It is acknowledged that there are a wide variety of cyclist differing experience levels and interests: Bike track user cyclists - mountain bikers - track cyclists - BMX riders (Council prioritises each facility based on interest shown community and safety 117 o Establish a site for future BMX track. 118 o Work with schools to identify safe routes for kids to cycle to and from school 119 o Put the Picton/Mittagong cycle track along the old rail line on the Bike Plan agenda and consider use south of Moss Vale Sang the Table Website
cyclists - mountain bikers - track cyclists - BMX riders Council prioritises each facility based on interest shown in community and safety Report updated (Section 6.1). It is acknowledged that there are a wide variety of cyclist differing experience levels and interests: Bike track user cyclists - mountain bikers - track cyclists - BMX riders Council prioritises each facility based on interest shown in community and safety 117 o Establish a site for future BMX track. 118 o Work with schools to identify safe routes for kids to cycle to and from school o Put the Picton/Mittagong cycle track along the old rail line on the Bike Plan agenda and consider use south of Moss Vale I would like to see links from the proposed and existing cycle paths to the recently upgraded Lake Alexandra, which is now regularly used by families. At present most users drive to the lake and then ride their bikes around the pathway. We regularly use, and see other families negotiating the narrow part of range road next to Sturt Gallery. I would like to see more designated bikeways on the southern side of the town (Oxley drive/Spencer Street) which can eventually link up with Lake Alexandra. Council prioritises each facility based on interest shown community and safety and interests: Bike track user cyclists - mountain bikers - track cyclists - mountain bikers - track doning to safety of cycles and interests: Bike track user cyclists - mountain bikers - track user cyclists - mountain bikers - track awide variety of cyclists in differing experience levels and interests: Bike track user cyclists - mountain bikers - track awide variety of cyclists - mountain bikers - taken levels and interests: Bike track user cyclists - mountain bikers - taken levels and interests: Bike track user cyclists - mountain bikers - taken levels and interests: Bike track user cyclists - mountain bikers - taken levels and interests: Bike track user cyclists - mountain bikers - taken levels and interests: Bike track user cyclists - mountain bikers - taken lev
Council prioritises each facility based on interest shown community and safety Report updated (Section 6.1). It is acknowledged that there are a wide variety of cyclis differing experience levels and interests: Bike track user cyclists - mountain bikers - track cyclists - BMX riders Council prioritises each facility based on interest shown community and safety 117 o Establish a site for future BMX track. 118 o Work with schools to identify safe routes for kids to cycle to and from school 119 o Put the Picton/Mittagong cycle track along the old rail line on the Bike Plan agenda and consider use south of Moss Vale I would like to see links from the proposed and existing cycle paths to the recently upgraded Lake Alexandra, which is now regularly used by families. At present most users drive to the lake and then ride their bikes around the pathway. We regularly use, and see other families negotiating the narrow part of range road next to Sturt Gallery. I would like to see more designated bikeways on the southern side of the town (Oxley drive/Spencer Street) which can eventually link up with Lake Alexandra. Could be signposted. No facility construction.
o Expand areas for creating mountain bike tracks Report updated (Section 6.1). It is acknowledged that there are a wide variety of cyclis differing experience levels and interests: Bike track user cyclists - mountain bikers - track cyclists - BMX riders Council prioritises each facility based on interest shown community and safety 117 o Establish a site for future BMX track. 118 o Work with schools to identify safe routes for kids to cycle to and from school o Put the Picton/Mittagong cycle track along the old rail line on the Bike Plan agenda and consider use south of Moss Vale Bang the Table Website Mittagong I would like to see links from the proposed and existing cycle paths to the recently upgraded Lake Alexandra, which is now regularly used by families. At present most users drive to the lake and then ride their bikes around the pathway. We regularly use, and see other families negotiating the narrow part of range road next to Sturt Gallery. I would like to see more designated bikeways on the southern side of the town (Oxley drive/Spencer Street) which can eventually link up with Lake Alexandra. I commend the proposed cycleways included in the strategy. I would like to see a link to
Report updated (Section 6.1). It is acknowledged that there are a wide variety of cyclist differing experience levels and interests: Bike track user cyclists - mountain bikers - track cyclists - BMX riders Council prioritises each facility based on interest shown community and safety 117 o Establish a site for future BMX track. 118 o Work with schools to identify safe routes for kids to cycle to and from school 119 o Put the Picton/Mittagong cycle track along the old rail line on the Bike Plan agenda and consider use south of Moss Vale Bang the Table Website
It is acknowledged that there are a wide variety of cyclist differing experience levels and interests: Bike track user cyclists - mountain bikers - track cyclists - BMX riders Council prioritises each facility based on interest shown community and safety 118 o Work with schools to identify safe routes for kids to cycle to and from school o Put the Pictors/Mittagong cycle track along the old rail line on the Bike Plan agenda and consider use south of Moss Vale Bang the Table Website Mittagong I would like to see links from the proposed and existing cycle paths to the recently upgraded Lake Alexandra, which is now regularly used by families. At present most users drive to the lake and then ride their bikes around the pathway. We regularly use, and see other families negotiating the narrow part of range road next to Sturt Gallery. I would like to see more designated bikeways on the southern side of the town (Oxley drive/Spencer Street) which can eventually link up with Lake Alexandra. I commend the proposed cycleways included in the strategy. I would like to see a link to
differing experience levels and interests: Bike track user cyclists - mountain bikers - track cyclists - BMX riders Council prioritises each facility based on interest shown community and safety 118 o Work with schools to identify safe routes for kids to cycle to and from school o Put the Picton/Mittagong cycle track along the old rail line on the Bike Plan agenda and consider use south of Moss Vale Mittagong
differing experience levels and interests: Bike track user cyclists - mountain bikers - track cyclists - BMX riders Council prioritises each facility based on interest shown community and safety 118 o Work with schools to identify safe routes for kids to cycle to and from school o Put the Picton/Mittagong cycle track along the old rail line on the Bike Plan agenda and consider use south of Moss Vale Mittagong
cyclists - mountain bikers - track cyclists - BMX riders Council prioritises each facility based on interest shown community and safety 118 o Work with schools to identify safe routes for kids to cycle to and from school o Put the Picton/Mittagong cycle track along the old rail line on the Bike Plan agenda and consider use south of Moss Vale I would like to see links from the proposed and existing cycle paths to the recently upgraded Lake Alexandra, which is now regularly used by families. At present most users drive to the lake and then ride their bikes around the pathway. We regularly use, and see other families negotiating the narrow part of range road next to Sturt Gallery. I would like to see more designated bikeways on the southern side of the town (Oxley drive/Spencer Street) which can eventually link up with Lake Alexandra.
Council prioritises each facility based on interest shown community and safety 118 o Work with schools to identify safe routes for kids to cycle to and from school o Put the Picton/Mittagong cycle track along the old rail line on the Bike Plan agenda and consider use south of Moss Vale Bang the Table Website
117 o Establish a site for future BMX track. 118 o Work with schools to identify safe routes for kids to cycle to and from school OP ut the Picton/Mittagong cycle track along the old rail line on the Bike Plan agenda and consider use south of Moss Vale Bang the Table Website
118 o Work with schools to identify safe routes for kids to cycle to and from school o Put the Pictor/Mittagong cycle track along the old rail line on the Bike Plan agenda and consider use south of Moss Vale Bang the Table Website
o Put the Picton/Mittagong cycle track along the old rail line on the Bike Plan agenda and consider use south of Moss Vale Bang the Table Website
Bang the Table Website Mittagong I would like to see links from the proposed and existing cycle paths to the recently upgraded Lake Alexandra, which is now regularly used by families. At present most users drive to the lake and then ride their bikes around the pathway. We regularly use, and see other families negotiating the narrow part of range road next to Sturt Gallery. I would like to see more designated bikeways on the southern side of the town (Oxley drive/Spencer Street) which can eventually link up with Lake Alexandra. Bowral I commend the proposed cycleways included in the strategy. I would like to see a link to
Bang the Table Website Mittagong I would like to see links from the proposed and existing cycle paths to the recently upgraded Lake Alexandra, which is now regularly used by families. At present most users drive to the lake and then ride their bikes around the pathway. We regularly use, and see other families negotiating the narrow part of range road next to Sturt Gallery. I would like to see more designated bikeways on the southern side of the town (Oxley drive/Spencer Street) which can eventually link up with Lake Alexandra. Bowral I commend the proposed cycleways included in the strategy. I would like to see a link to
Mittagong I would like to see links from the proposed and existing cycle paths to the recently upgraded Lake Alexandra, which is now regularly used by families. At present most users drive to the lake and then ride their bikes around the pathway. We regularly use, and see other families negotiating the narrow part of range road next to Sturt Gallery. I would like to see more designated bikeways on the southern side of the town (Oxley drive/Spencer Street) which can eventually link up with Lake Alexandra. Bowral I commend the proposed cycleways included in the strategy. I would like to see a link to
Mittagong I would like to see links from the proposed and existing cycle paths to the recently upgraded Lake Alexandra, which is now regularly used by families. At present most users drive to the lake and then ride their bikes around the pathway. We regularly use, and see other families negotiating the narrow part of range road next to Sturt Gallery. I would like to see more designated bikeways on the southern side of the town (Oxley drive/Spencer Street) which can eventually link up with Lake Alexandra. Bowral I commend the proposed cycleways included in the strategy. I would like to see a link to
Mittagong I would like to see links from the proposed and existing cycle paths to the recently upgraded Lake Alexandra, which is now regularly used by families. At present most users drive to the lake and then ride their bikes around the pathway. We regularly use, and see other families negotiating the narrow part of range road next to Sturt Gallery. I would like to see more designated bikeways on the southern side of the town (Oxley drive/Spencer Street) which can eventually link up with Lake Alexandra. Bowral I commend the proposed cycleways included in the strategy. I would like to see a link to
I would like to see links from the proposed and existing cycle paths to the recently upgraded Lake Alexandra, which is now regularly used by families. At present most users drive to the lake and then ride their bikes around the pathway. We regularly use, and see other families negotiating the narrow part of range road next to Sturt Gallery. I would like to see more designated bikeways on the southern side of the town (Oxley drive/Spencer Street) which can eventually link up with Lake Alexandra. Bowral I commend the proposed cycleways included in the strategy. I would like to see a link to
upgraded Lake Alexandra, which is now regularly used by families. At present most users drive to the lake and then ride their bikes around the pathway. We regularly use, and see other families negotiating the narrow part of range road next to Sturt Gallery. I would like to see more designated bikeways on the southern side of the town (Oxley drive/Spencer Street) which can eventually link up with Lake Alexandra. Bowral I commend the proposed cycleways included in the strategy. I would like to see a link to
drive to the lake and then ride their bikes around the pathway. We regularly use, and see other families negotiating the narrow part of range road next to Sturt Gallery. I would like to see more designated bikeways on the southern side of the town (Oxley drive/Spencer Street) which can eventually link up with Lake Alexandra. Could be signposted. No facility construction. Bowral I commend the proposed cycleways included in the strategy. I would like to see a link to
We regularly use, and see other families negotiating the narrow part of range road next to Sturt Gallery. I would like to see more designated bikeways on the southern side of the town (Oxley drive/Spencer Street) which can eventually link up with Lake Alexandra. Could be signposted. No facility construction. I commend the proposed cycleways included in the strategy. I would like to see a link to
Sturt Gallery. I would like to see more designated bikeways on the southern side of the town (Oxley drive/Spencer Street) which can eventually link up with Lake Alexandra. Bowral I commend the proposed cycleways included in the strategy. I would like to see a link to
Sturt Gallery. I would like to see more designated bikeways on the southern side of the town (Oxley drive/Spencer Street) which can eventually link up with Lake Alexandra. Bowral I commend the proposed cycleways included in the strategy. I would like to see a link to
121 town (Oxley drive/Spencer Street) which can eventually link up with Lake Alexandra. Could be signposted. No facility construction.
121 town (Oxley drive/Spencer Street) which can eventually link up with Lake Alexandra. Could be signposted. No facility construction.
Bowral I commend the proposed cycleways included in the strategy. I would like to see a link to
I commend the proposed cycleways included in the strategy. I would like to see a link to
the existing cycleway along Mittagong Rivulet included. This link would join McDonald
Street (off Bowral Street) to the cycleway. A bridge or graded path though the creek
would be needed. It is currently a well used dirt path that is very difficult to negotiate when
wet as it becomes muddy and slippery (or with a pram at any time). I look forward to A good idea that needs investigation. problems bridging
122 seeing this link included in the strategy. Moo to flooding
I am glad to have this opportunity to comment on the Bike Strategy. I would like the Phillip
Street, Burradoo access path to the Bong Bong track completed. It is marked on the
Bowral Recreational Paths brochure produced by Wingecarribee Shire Council, but it
does not exist. Residents living in Elizabeth Street (west), St James Close and Phillip
account of contract in the grant of contract (wood), or carried choose and i minip
Street are only able to access the Bong Bong Track via Moss Vale Road, which is
Street are only able to access the Bong Bong Track via Moss Vale Road, which is
Street are only able to access the Bong Bong Track via Moss Vale Road, which is dangerous with small children on bikes and prams, as there are no footpaths or room for
Street are only able to access the Bong Bong Track via Moss Vale Road, which is dangerous with small children on bikes and prams, as there are no footpaths or room for paths of any kind. This would also provide access to Eridge Park for those riding or
Street are only able to access the Bong Bong Track via Moss Vale Road, which is dangerous with small children on bikes and prams, as there are no footpaths or room for



Item	Comment	GTA Response and Action
124	Make so one can ride a cycle under the Lackey Road under pass towards the lime works and then have it so cars can go under as before Also reopen McCourt road to the bong bong bike track if possible or as far as possible that is along the Rail track Much of this is a safer than normal bike area even now and notices to be careful would help Bikers	Network of cycleways proposed for the Moss Vale Bypass which will give access to the Enterprise Zone. This will resolve this idea. Map updated to show facility on east side of railway line. VERY lowest priority as Suttor Road will link this area when bypass goes through. Map also updated to show Moss Vale bypass
125	Also, repair Lackey road between Parkes Road and Argyle street and install a cycle lane on the railway side.	Partly included in plan. Plan and report (Section 5.3) updated to show off-road section (footpath widening) on south end past the station.
126	Cycleways will need to be added and enhanced in Moss Vale to keep cyclists off the roads, before the Moss Vale inland port becomes a reality.	Noted
127 Connecting	Reopen the rail gates that were in mc-caught road and have bike and pedestrian gate for bicycles (there is many other reasons for this and the suspicion is moss vale do not matter); there are many other places in the shire where such crossings are available; Lights and information are cheap now (the 21st century) to make them all safer too. Bike tracks do not have to be concrete and base material should come from a shire owned quarry (one up the back of our place) The yarrawa road end of moss vale has a pedestrian crossing that needs the same attention. No reason why just a centre mark of inlayed stone or other to mark these tracks, say each 30 meters.	Plan updated to show Yarrawa Road and Yarrawa Street path link. Crossing exists and should be upgraded. Report updated re: track material (Section 5.7). Each route and location will require an individual assessment taking these comments on board.
	Go to be the crown in the jewel - the route from Mittagong to Bowral may be the most technically difficult and expensive but a cycle spine from Mittagong to Bowral to Moss	
128	Vale that separates cars and bikes gets my vote.	Noted
129	I agree it would be a real tourist attraction as well as being great for us. I commend the bike plan. As a regular recreational cyclist in the area, it has been a	Noted
130	source of frustration that we have not had a safe route to get from Bowral to Mittagong. The path over the Gib is a winner. I am also impressed by the proposed paths away from the road, eg. the Berrima route (fantastic) and the bike route from East Bowral to the Moss Vale end of the existing bike track, running along the edge of the river. These are tremendous tourism drawcards, as is the rail trail to Colo Vale (and hopefully beyond). I am a regular user of Eridge Park Road and parts of the road can be dangerous and the road edge narrow and slippery. The completion of the bike path into Moss Vale is also appreciated. Further suggestions I think that a short link between the proposed east Bowral / river route and the Eridge Park Road would be practical, especially if the proposed leisure centre goes ahead (although I still think the centre should be built on the site of the existing Bowral Pool). I guess it is now a matter of prioritising the improvements. I'd place a safe route from Bowral to Mittagong as No. 1. At present this is	being constructed. As such, no link would be considered unless
101	I agree especially with the Berrima route and the rail trail. After all why not link all the	Noted
131 Connecting	towns up? (see also my comments on Tourism). Alan people and places	Noted
	railway lines run thru our shire much can be done to make crossings that exist safer and	
132	provide more crossings particularly the old now lost and new ones in sensible good vision places (making use of lights and communication and suitable times	ARTC have a level crossing program. Outside of Council control
Tourism	process (making does or lighte and communication and contains times	First of hard a forest program. Catalage of Council Council
133	I'd be really interested to talk with the relevant officer with your council about the process of getting the rail trail up and running. My name is Suzie Coulston - I am the Economic Development Officer with Kyogle Council in northern New South Wales and we are looking at the pro's and con's of this in our area.	Noted
134	Hi my name is Alan Willock and I am a member of BARBUG cycling group. I also work for the Wollondilly Shire Council in the Visitor Information Centre. I am often asked by locals and tourists alike for new places to ride bikes (both mountain and road bikes). The thing about cycling is it doesn't take long to get fairly fit in a short time and that 6 km ride in the park soon becomes nothing more than a warm up. I have been cycling for just over 1 year now and I am now looking to go in my second Gong Ride (90 km). So when I think bicycle paths, I like to think of the paths enjoyed by the South Coast or the M7 Cycleway etc. These cycleways not only provide safe access to town facilities such as schools and sporting facilities, they also provide a tourist attraction for cyclists from other areas as well as a safe venue for fund raising cycling events. Finally the ultimate benefit is cleaner air and lower medical costs to the community (both for the exercise benefits and the clean air) as well as fuel savings.	Noted
134	The Wingecarribee villages along the Loop Line are not served by weekend public transport and the main road is narrow, mostly 100km an hour and extremely dangerous for bicycle riders. It should be a priority, not a long term plan for the Loop Line tourist bike track to be built to allow for safe passage of bike riders and pedestrians and the youth of the northern villages between villages and through to the main townships. There would also be economic benefits to the Northern Villages through the creation of this trail as there are a number of points of interest along the trail which have to date not been	Noted
135	recognised.	Outside scope of report. Covered by Villages PAMP
Supporting b	The Wingecarribee villages along the Loop Line are not served by weekend public transport and the main road is narrow, mostly 100km an hour and extremely dangerous for bicycle riders. It should be a priority, not a long term plan for the Loop Line tourist bike track to be built to allow for safe passage of bike riders and pedestrians and the youth of the northern villages between villages and through to the main townships. There would also be economic benefits to the Northern Villages through the creation of this trail as there are a number of points of interest along the trail which have to date not been recognised.	Repeated from above
Budget impli		Tropodico nom doove
	\$400k a year really is nothing. I know that council is a bit strapped for cash but how much does it propose to spend on the leisure centre? Bike paths and facilities would be much more useful to more people. Cycling facilities are one of the cheapest ways to improve quality of life and sustainability in an LGA and Council has the power and capacity to do	
137	this without State or Federal help.	Noted



Item	Comment	GTA Response and Action
	When you see the number people that use the Path along Suttor rd and the	
	Wingecarribee River it is a excellent example that if a safe area is provide for exercise	
138	people will use it.	Noted
	Perhaps money would be better spent across several different cycleways rather than	
	focusing on one well established path. Adding new or enhanced cycleways is only the first	
	step. These cycleways need to be maintained and repaired to ensure that cyclists	
	continue to use them. The cost of maintaining the cycleways into the future needs to also	
139	be accounted for.	Noted
Other areas	of the shire	
	I would like to see more consideration given to the width and markings of some of the	
	major roads that link our towns, villages and rural localities to encourage the use of	
	,	
	bicycles rather than always depending on the car. Our outlying areas have no bus	
	services (other than school bus)- and therefore the only alternative is to bike it. Most of	
	these major routes are frequented by large trucks that make an option of cycling very	
	dangerous given the width of the road (a good example is Wombeyan Caves Road	
	between High Range and the Old Hume Hwy). Children who have grown up in the more	
	rural areas of the shire have few alternatives to get around to friends places or even go to	
	town. They either have to wait for a lift or risk it on the only road that was designed to	
	cater for two cars passing each other - not even considering two large trucks passing	
	each other on the bends. Also note that the cycling clubs tend to use these major roads	
	regularly for training and races during the summer months. Why do they choose these	
140	roads? They seem to be a preferred route due to the challenges that they offer and the sc	Not within the scope of this plan.
	Given that we rate payers in villages pay the same amount of rates in most instances as	
	the three main towns, it would be nice to see some of our rates being spent in those	
	villages. A classic example is the amount of cyclists that are constantly around exeter,	
	bundanoon and robertson on any given weekend. So how about sharing the resources	
	about and giving us back something in return for our rates. Some more shared footpaths	
	and cycleways would be excellent. At the moment we have next to none. Bowral may	
	have the greater population but that does not mean that we should miss out on	
	EVERTHING. They already have excellent paths and cycleways we in the villages have	
	none!!!!!! We get to push our prams and wheelchairs on the roads (which is now illegal)	
141	and fight with cars on the roads with our bikes	Noted. Outside of scope in this instance.
	and right with our on the rodds with our bires	protect. Outside of scope in this instance.
	While seeing the proposed planned routes around the shire, Eg Moss Vale, Bowral,	
	Mittagong and Berrima is encouraging I was wondering if the plan included any widening	
	of these roads in certain spots. As being a regular rider on these roads it is a rare	
	occurrence that you are not subject to some sort of abuse or near mishap due to the	
	narrow nature of these roads. A good example is from the Bong Bong Bridge to Eridge	Report updated (Section 6.4). Request RTA to incorporate cycle
142	Park it gives plenty of room to stay away from traffic without impeding traffic flow.	lanes in any maintenance or road works.
	friendliest towards cyclists of any shire in NSW'	,
	A mission statement from the WSC web site is; "To make the Shire a better place in	
	which to live". Cycleways are adding value here. I feel a marketing statement is more	
	appropriate than a vision. You need to sell our shire and what you are doing.	

Bicycle Strategy
For Mittagong, Bowral and Moss Vale
Appendix D - BikePlan 2020 Press Release





MEDIA RELEASE

Mapping out Sydney's cycling future

30 August 2008

The lemma Government is calling for community comment on a new NSW Bike Plan to promote and encourage cycling.

Minister for Roads Eric Roozendaal and Minister for Environment and Climate Change Verity Firth today said the Premier's Council on Active Living had been commissioned to start work on a new Bike Plan for NSW, with an in-depth study of current cycling patterns across the state being the first step.

"The NSW Government is committed to promoting cycling and improving cycling facilities as part of a balanced transport system for NSW," Mr Roozendaal said.

"The new Bike Plan will be the blueprint for the future of cycling in NSW.

"The Plan will map out the new events, new facilities and new programs needed to support the development of cycling as both a recreation activity and a commuting option.

"Since 1999, an average of 233km of cycleways have been built annually and today we have more than 4,100km of cycleways across the state, including 2,000km in Sydney."

Ms Firth said cycling had considerable environmental benefits.

"It makes sense to encourage more people to consider cycling as an environmentally-friendly and healthy means of transportation, particularly for short trips," Ms Firth said.

"Just one person who switches from driving to cycling to work during the week over a 10km trip each way saves around 1.3 tonnes of greenhouse gas emissions a year.

"And cycling doesn't just help reduce pollution, it also cuts down on traffic congestion and gets people fit.

"Last year, NSW residents purchased around 430,000 new bicycles, outstripping the number of new vehicles registered in the same period by 75,000.

"In Sydney alone, bicycle use has grown by 23 per cent on weekdays and 58 per cent on weekends since 2001."

Mr Roozendaal said the NSW BikePlan would build on current Government commitments.

"The lemma Government is funding more than \$47 million of bicycle initiatives this financial year," Mr Roozendaal said.

"Most cycling takes place on local roads, which is why the Government is contributing funding towards 91 local bicycle projects, matched by funding from local councils.

"The Government is also committed to building off-road shared paths, where possible, when new roads are built.

"For example, last financial year the Government provided \$14.8 million towards shared cycling/walking or on-road cycling facilities as part of major road construction projects including the construction of the Blacktown to Parklea T-Way and as part of the Great Western, Hume and Pacific Highway upgrades."

Ms Firth said the NSW BikePlan would develop clear directions for future promotion and development of cycling across the state.

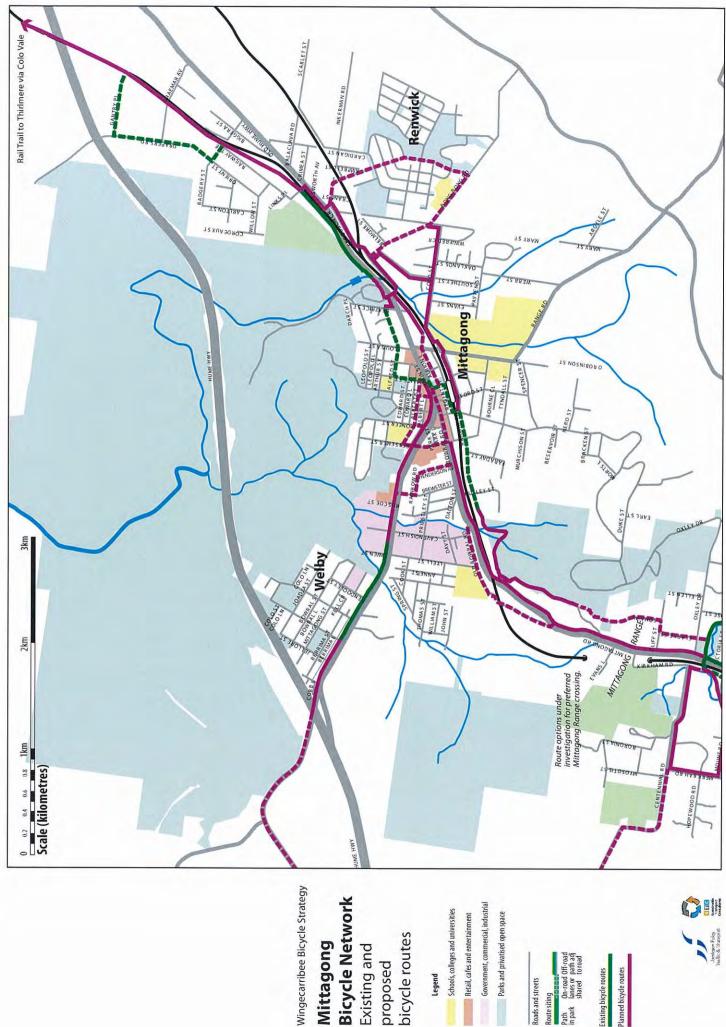
"Community consultation is a key component of developing this NSW BikePlan," Ms Firth said.

"We want to hear from the community about ways in which people could be encouraged to take up cycling.

"The NSW BikePlan project team will be consulting widely with local councils, major employers, bicycle user groups, and other peak organisations with an interest in improving safe and sustainable transport options."

Individuals are encouraged to put forward their ideas and views via email to Bike_Plan@rta.nsw.gov.au.

Bicycle Strategy For Mittagong, Bowral and Moss Vale
For Mittagong, Bowral and Moss Vale
Appendix E - Individual Town Maps



Schools, colleges and universities

Legend

proposed bicycle routes

Existing and

Mittagong

Retail, cafes and entertainment

Parks and privatised open space

Route siting
Path On-road Off-road
in park lanes or path adj

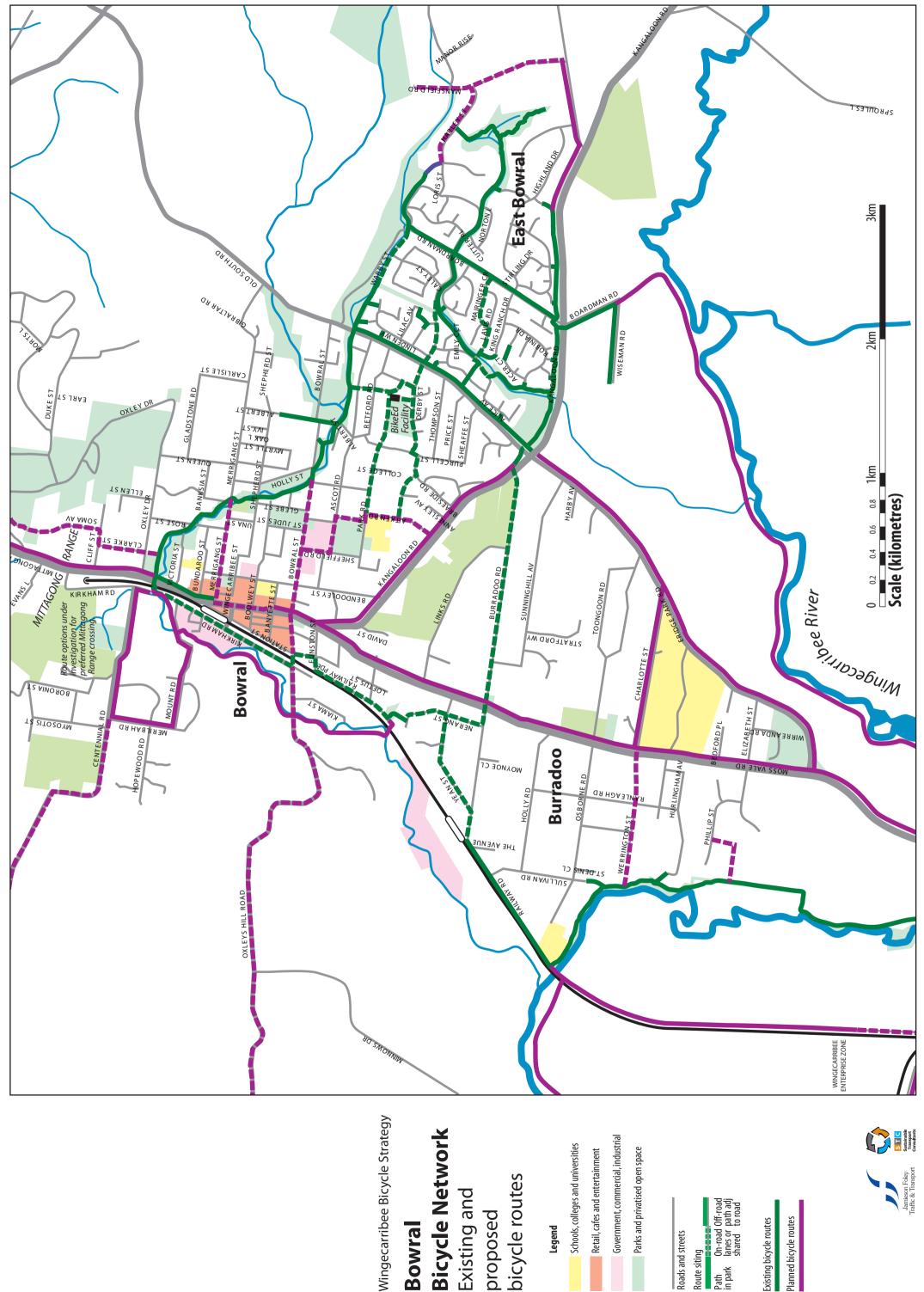
Roads and streets

Existing bicycle routes Planned bicycle routes









bicycle routes

Legend

Existing and

Bowral

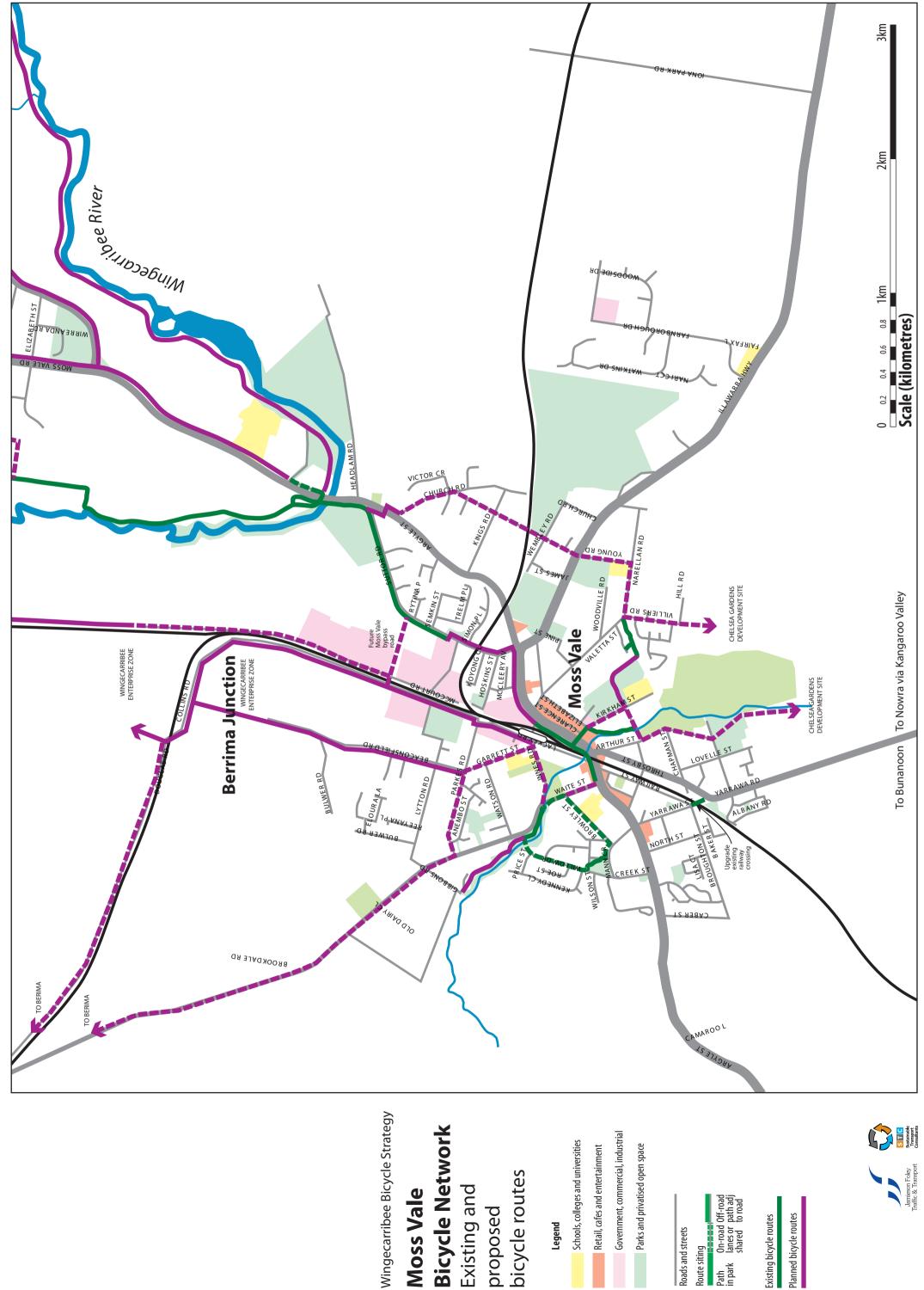
proposed



Route siting
Path On-road Off-road
in park lanes or path adj
shared to road

Roads and streets

Planned bicycle routes Existing bicycle routes





Parks and privatised open space

Route siting

Path On-road Off-road in park lanes or path adj

Roads and streets

Planned bicycle routes Existing bicycle routes

Retail, cafes and entertainment

Legend

proposed bicycle routes

Existing and

Moss Vale



Bicycle Strategy For Mittagong, Bowral and Moss Vale

APPENDIX F - ROUTE DEVELOPMENT DETAILS AND COST ESTIMATES

NOTE: refer to pages 32 to 43 for further details

Bicycle Strategy for Mittagong, Bowral and Moss Vale Job No Cct-08 Oct-08

Summary - Route Lengths (m)

Section Ref	Existing Length	Priority 1 Length	Priority 2 Length	Priority 3 Length	Total Length	
Linking Mittagong, Bowral and Moss Vale		19,590		10,030	29,620	
Main Feeder Routes		4,500	12,230	19,750	36,480	
Local Access Connections	•	1,400		18,010	19,410	
Urban Recreational Routes	•	3,800	•	2,800	6,600	
Regional Links and Tourism Routes				25,900	55,900	
blank	•				•	
blank	•				•	
CHAIL CONTRACTOR		000	000	007 007	070 07 7	

GRAND TOTAL - 29,290 12,230 106,490 10

Summary - Route Costs

Section Ref		Base Cost Prior	Priority 1 Item Cost Priority 2 Item Cost Priority 3 Item Cost Total Item Cost	ity 2 Item Cost Priori	ty 3 Item Cost To		check sum
Linking Mittagong, Bowral and Moss Vale	\$	6,482,097 \$	7,087,740 \$	\$	4,424,210 \$	11,511,950 \$	11,511,950
Main Feeder Routes	↔	7,998,285 \$	941,240 \$	3,169,520 \$	7,545,350 \$	11,656,110 \$	11,656,110
Local Access Connections	↔	2,608,530 \$	167,400 \$	⇔	5,968,860 \$	6,136,260 \$	6,136,260
Urban Recreational Routes	↔	856,898 \$	33,100 \$	9	1,233,210 \$	1,266,310 \$	1,266,310
Regional Links and Tourism Routes	\$	\$	\$	9	\$	· ·	
blank	↔	↔	\$	\$	\$	· ·	
blank	\$	\$	\$	\$	\$	· ·	
GRAND TOTAL	↔	17,945,809 \$	8,229,480 \$	3,169,520 \$	19,171,630 \$	30,570,630 \$	30,570,630
	check sum \$	17.945.809 \$	8.229.480 \$	3.169.520 \$	19.171.630 \$	30.570.630	

Summary - Route Costs per km

min indicates comment	and political						
	Section Ref	n Ref	Pri	Priority 1 Length Priority	Priority 2 Length	2 Length Priority 3 Length Total Length	Total Length
Linking Mittagong, Bowral and Moss Vale	d Moss Vale		\$	362,000	#DIV/0i	\$ 441,000	\$ 389,000
Main Feeder Routes			↔	\$ 000,000	\$ 259,000	\$ 382,000	\$ 320,000
Local Access Connections			↔	120,000	#DIV/0i	\$ 331,000	\$ 316,000
Urban Recreational Routes			↔	000'6	#DIV/0i	\$ 440,000	\$ 192,000
Regional Links and Tourism Routes	Routes			#DIV/0i	#DIV/0i	· \$	· \$
blank				#DIV/0i	#DIV/0i	#DIV/0i	#DIV/0i
blank				#DIV/0i	#DIV/0i	#DIV/0!	#DIV/0i
GRAND TOTAL			\$	281,000 \$	\$ 259,000 \$	\$ 180,000 \$	\$ 207,000
Notes	compare with cost for regional	compare with cost for regional bike routes in last worksheet - "North Shore Extract"					
Other projects	average	\$	1,340,000				
	min	\$	340,000				
	max	€5	3,220,000				

Summary - Costs by Item Type

Reference	Description	Type of Works Ba	Base Cost Per Item Unit 2007	Priority 1	Priority 2	Priority 3	Total	check sum
GENERAL 0	Existing facilities or works included in current budget allocations	EXISTING	0\$	0\$	0\$	0\$	0\$	0\$
-	Other indedictions	OTHER	Ç.	O\$	C V	V	V	0\$
_		JURISDICTIONS) -) -			
2	Strategic link for inclusion in future planning control	PLANNING	\$0	80	0\$	0\$	0\$	80
Subtotal - General				80	\$0	\$0	\$0	\$0
CIVIL WORKS	Civil - Bicycle Refuge / LATM / Traffic Facilities	CIVIL	\$10.950 each	\$729.280	\$32.410	\$1.158.930	\$1.920.620	\$1.920.620
37	Civil - Buradoo (2008/2009) Bong Bong Track cycleway link to Eridge Park (2 km)	CIVIL	0	\$495,000	0\$ (i)	0\$	\$495,000	\$495,000
98	Civil - Burradoo (2008/2009) Phillip St pathway link to Bong Bong Track shared pathway	CIVIL	0	\$82,500	\$0\$	\$0	\$82,500	\$82,500
16	Civil - Kerb Ramp	CIVIL		0\$	0\$	0\$	0\$	0\$
38	Civil - Mittagong (2008/2009) Stage 1 shared pathway link extension from Welby to CBD & Lake Alexandra	CIVIL	0	\$200,000	\$	\$0	\$200,000	\$200,000
39	Civil - Moss Vale (2009/2010) Recreation pathway along Illawarra Hwy to James Street 500m	CIVIL	\$124,000 each	\$124,000	\$0	\$49,600	\$173,600	\$173,600
24	Civil - raised priority crossing	CIVIL	3	80	\$0	\$0	\$0	\$0
10	Civil - remove existing landscaping and replace	CIVIL	\$20,000 each	0\$	\$0	\$0	\$0	0\$
29	Givil - steel mesh protective fence	CIVIL	\$61 m	0\$	\$0	\$0	0\$	0\$
20	Parking - Bicycle Locker	CIVIL		0\$	\$0	\$0	\$0	\$0
	Parking - Bike Parking U-rail	CIVIL	N I	0\$	0\$	0\$	0\$	0\$
32	Pavement - fibre glass planks	CIVIL	2	0\$	0\$	0\$	0\$	0\$
. .	Pavement - Footpath - Bitumen (2.0m two-way) - LOW KEY	CIVIL		\$4,073,780	\$3,086,200	\$16,544,340	\$23,704,320	\$23,704,320
<u> </u>	Faverient - Foobpath - Confrete (3.0m; two-way)	CIVIL	o o	00000	O# 6	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	40 01 01	000
1 4	Pavement - Ootpath - Widen existing, Concrete (1.0m)	CIVIL	N C	\$673,170	0\$	\$1,302,810	\$1,975,980	\$1,975,980
∞ ζ	Pavement - Footpath reseal	CIVIL	O L	0\$	0\$	08	09	0\$
_ L	Pavement - dreen ravement	CIVIL IVIL		0	Q	⊋ €	⊋ €	Q 6
<u> </u>	Faveritett - Tiew ca park - Dittilleri Sear Davomont - coolod shoulder 1 5m		\$200 IIIZ	O	000	00	00	00
- - -	Parad Safety Andit			S	₽ ₩	9 ₩	9 €	9 6
, S	Signals - Bike I amos at Signals per pair	CIVIE	^) (Q	O G	O S	0\$
22	Signals - Pedestrian Signals		\$101,238 each	099 662\$	0.5	0\$	099 662\$	099 662\$
-: 28	Signals - Traffic Signals	CIVIL		\$599,320	0\$	0\$ \$0	\$599,320	\$599,320
Subtotal - Civil Works				\$7,276,710	\$3,118,610	\$19,055,680	\$29,451,000	\$29,451,000
STRUCTURES								0\$
34	Structure - Bus Shelter	CIVIL	_	0\$	\$0	\$0	\$0	0\$
<u>.</u>	Structure - Cut and cover tunnel	CIVIL	S	0\$	\$0	0\$	0\$	0\$
33	Structure - General Bridge Cost	CIVIL	4	\$799,410	0\$	80	\$799,410	\$799,410
19	Structure - Retaining wall	CIVIL	9	0\$	0\$	0\$	0\$	0\$
22	Structure - Solar Street Lighting	CIVIL	ŊΙ	0\$	0\$	0\$ *	0\$	0\$
23	Pavement - contra flow lane and mixed traffic	CIVIL	\$115 m	0\$	\$38,990	0\$	\$38,990	\$38,990
Subtotal - Structures				\$799,410	\$38,990	0.8	\$838,400	\$838,400
18	Sians & Markinas - Bicvcle Loao	EINE EINE	\$97 each	80	\$0	\$0	0\$	0\$
08	Signs & Markings - Linemarking	I W	\$5 m	0.9	\$	\$0	0\$	0\$
4	Signs & Markings - Edgeline, Laneline, Bike Logos every 100m, signs at 200m - on road, both sides	LINE		\$14,820	\$0	\$49,400	\$64,220	\$64,220
•		!		;	;	;	;	;
ന	Signs & Markings - Centreline, Bike & Ped Logos each way every 100m, signs at 200m - off road	EINE I	\$10 m	0\$	0 \$	0\$	0\$	80
25	Signs & Markings - low key intersection improvements	LINE	\$747 each	\$121,560	\$11,920	\$66.550	\$200.030	\$200.030
35	Signs & Markings - low key shared path, regulatory signs and logos at 200m	SIGN	_	0\$	0\$	0\$	0\$	0\$
и	Olema O Madirina Diradiana Olema	200	6 0 1	600	é	Ç	000	000
റ ധ	Signs & Markings - Directional Signs Signs & Markings - Begulatory, Warning, Advisory Signs	N SIGN	\$39 each \$248 each	086,014	O# 66	O# 69	086,914	916,960
Subtotal - Signs and Markings				\$153,360	\$11,920	\$115,950	\$281,230	\$281,230
Total				\$8,229,480	\$3,169,520	\$19,171,630	\$30,570,630	\$30,570,630
			check against "itemised cost total	tal" \$8,229,480	\$3,169,520	\$19,171,630	\$30,570,630	
			,					

Bicycle Strategy for Mittagong, Bowral and Moss Vale Job No Scot Oct-08

Boute	Section	Description	Priority	Total	Priority 1 Item	Priority 2 Item		Priority 3 Item	Total	Total Item Cost
		_		Distance (m)	Cost	Cost		Cost		
Linking Mittagong, Bowral and Moss Vale	Moss Vale									
Mittagong - Bowral - Moss Vale	Mittagong - Murray Vale Track, extend from	widen pathway, crossing at Beatrice	-	400	\$ 117,820	€	\$	1	↔	117,820
Route	Hawkins Dr to Beatrice St	St								
	Mittagong - Murray Vale Track, Alfred St & Alice St	mixed traffic, intersection treatments,	-	1,100	\$ 9,930	↔	\$	ı	↔	9,930
		signs and markings								
	Mittagong Town Centre	improved area-wide bicycle access	-	2,150	\$ 342,690	↔	\$	1	ઝ	342,690
		with signalised bike/pedestrian								
		crossings across Old Hume Hwy and								
		Bowral Rd								
	Mittagong (Bessemer St) to Bowral (Merrigang St)	shared pathway, part existing, path	_	4,100	\$ 1,358,210	↔	\$	ı	↔	1,358,210
		widened, part new, new crossing								
		facilities								
	Bowral Town Centre	Bicycle shoulder lanes; replace	_	450	\$ 614,140	↔	↔	1	↔	614,140
		roundabouts with signals at								
		Merrigang St and Banyette St								
	Bowral (Banyette St) to Moss Vale (Valletta St), via		-	10,590	\$ 4,320,830	↔	\$	1	↔	4,320,830
	Kangaloon Rd and Eridge Park Rd									
		facilities, Wingecacarribee River								
		Bridge widening								
	Moss Vale Town Centre	Valetta St to Watie St - shared path	_	800	\$ 324,120	₩	\$	•	s	324,120
		west side, improvements to existing					-			
		path, including localised widening,								
		shared path signs and markings esp								
		at driveways, localised widening,								
		crossing facilities on side streets and								
		of the Highway at strategic locations								
		(13 011)								
	Alternate Rte via Mount Gib	Regent St to Mittagong Creek - part	က	4,430	· \$	₩	\$	722,800	↔	722,800
		on street, part new path								
	Alternate Rte via Old Bowral Rd	bicycle shoulder lanes	က	1,500	·	\$	\$	81,810	↔	81,810
	Moss Vale Rd - missing link from Kangaloon Rd to	shared pathway, part existing, path	က	4,100	· S	\$	\$	3,619,600	s	3,619,600
	Eridge Park Rd									
		facilities								
Total - Linking Mittagong. Bowral	ral and Moss Vale			29.620	\$ 7.087.740	s	↔	4.424.210	÷	11.511.950
G G								,		

Bicycle Strategy for Mittagong, Bowral and Moss Vale Job No Oct-08

Route	Section	Description	Priority	Total Distance (m)	Priority 1 Item Cost	Pric	Priority 2 Item Cost	Priority 3 Item Cost	Tota	Total Item Cost
Main Feeder Routes Renwick Links	existing high use section along Ferguson Crescent new path	new path	-	1,500	\$ 617,240	↔	1	· •	↔	617,240
	Bong Bong Rd, Colo St and Railway Pde	new path	က	2,100	· \$	6	1	\$ 864,130	↔	864,130
Welby Link	Old Hume Hwy	develop pathway in accordance with Council plans and budget (part existing, part new/improved)	-	2,500	\$ 200,000		1		•	200,000
		contra flow lane along southern side of main street, in service road	2	230	, \$	↔	38,990	, S	↔	38,990
Burradoo Rd	full length	upgrade existing mixed traffic facilities along Burradoo Rd, Nerang St and Yean St, new crossing facilities at Moss Vale Rd and Kandaloon Rd	Ø	4,500	-	↔	44,330	•	↔	44,330
Bong Bong to East Bowral River Trail	trail along the River	new path (distances vary depending on alignment)	2	7,500	· •	↔	3,086,200	· •	₩	3,086,200
Throsby Park Trail	Illawarra Hwy from Argyle St to James St Illawarra Hwy from James St to Young St	budgetted new path new path (pro rata to item 2.9 above)	– ო	500	\$ 124,000	& &	1 1	\$ - \$ 49,600	\$ \$	124,000 49,600
Berrima River Trail	Wingecarribee River, from Railway Rd to Old	path along the River, pending	ო	2,700	- ∽	6	,	\$ 2,345,510	↔	2,345,510
Whites Creek Trail	Mack St to Gibbons Rd	extend off-rd path and provide missing links, with crossing facilities at Argyle St, Lackey Rd and Watie St	ო	1,400		↔	1	\$ 624,710	⇔	624,710
Chelsea Gardens Link Moss Vale Enterprise Zone Loop	Mack St, Arthur St, Spencer St, Yarrawah Rd Lackey Rd, Collins Rd, Douglas Rd, Beaconsfield Rd, Garrett St, Innes Rd	part mixed traffic, part new path new path and crossing facilties	ოო	2,900 7,450	· '	& &		\$ 664,350 \$ 2,997,050	& &	664,350 2,997,050
Total - Main Feeder Routes				36,480	\$ 941,240	\$	3,169,520	\$ 7,545,350	↔	11,656,110

Bicycle Strategy for Mittagong, Bowral and Moss Vale Job No Oct-08

Route	Section	Description	Priority	Total	Priority 1 Item	Priority 2 Item		Priority 3 Item	Total Item Cost	Cost
				(m)						
Local Access Connections Mittagond	Henderson Ave. Bainbow Bd. Brewster St	mixed traffic. intersection treatments.	ო	720	€	€9	6 3	20.180	€	20.180
		signs and markings, crossing at Bowral Rd	•			,	•		,)
	Southey St	extend existing path	ო	440	,	₩	⇔	181,060		181,060
Bowral	Merrigang St, Bowral St	mixed traffic, intersection treatments,	က	2,160	· \$	↔	⇔ -		S	16,890
		signs and markings								
	Mount Rd, Meridah Rd, Centennial Rd, Kirkham Rd loop	new path, crossing facilities	က	2,900	' ∽	↔	\$	1,258,150	& 	1,258,150
	Stephens Park Bike Ed Facility	mixed traffic, intersection treatments,	-	1,100 \$	\$ 84,900	↔	\$	1	€	84,900
		signs and markings								
	Stanley Park	Link from near existing cycleway bridge to Bowral Road	က	6 09	· •	↔	\$	74,740	₩	74,740
	Albert Street road reserve	link from Shepherd Street to Bowral	က	530	· \$	₽	\$	1,385,620	8,-	1,385,620
		Rd and then to the existing path with a bridge over the rivulet to Farmborough Close								
Burradoo	Werrington St, Charlotte St - Wingecarribee River to Fridge Park Rd	part new path, part mixed traffic,	က	3,700 \$. ↔	↔	⇔	1,742,370	\$ 1,7	1,742,370
		Eridge Park Rd								
	Philip St	pathway to River	-		\$ 82,500	₩	⇔ -		ග	82,500
East Bowral	Kangaloon Rd, Hordens Rd, Mansfield Reserve, Mansfield Rd - St Martins Grove to Mittagong	new path, crossing facilities	က	2,100	· •	↔	\$	896,540		896,540
	Creek									
Moss Vale	Argyle St, Church Rd, Young Rd, Narrellan Rd, Kirkham St, Park Rd, Innes Rd, Gibbons Rd loop	part new path, part mixed traffic, crossing facilities, railway level crossing	ო	5,400	' Υ	€	⇔	393,310	⊘	393,310
Total - Local Access Connections	ons			19,410	\$ 167,400	\$	\$	5,968,860	\$ 6,1	6,136,260
Urban Recreational Routes										Ī
Bowral	Bong Bong Trail Improvements	Improved signs, markings and crossing facilities	-	3,800	\$ 33,100	↔	⇔	ı	↔	33,100
	Bong Bong Trail Extension	pathway extension, crossing facilities, railway level crossing	ო	2,800 \$	- ₩	₩.	\$	1,233,210	3,1	1,233,210
Total - Urban Recreation Routes	Si			6,600	\$ 33,100	s	⇔	1,233,210	1.2	,266,310
Regional Links and Tourism Routes	=						. (
Mittagong to Picton Rail Trail (to LGA boundary only)	Willow Vale to LGA Boundary	new path	က	22,300	· •	€	€	1	⊕	1
Berrima Double 8 Loop	Old Hume Hwy, Berrima Rd, Douglas Rd, Oxley Hill Rd, Centennial Rd, rail trail	part new path, crossing facilities, part bicycle shoulder lanes, part mixed	ო	\$33,600 \$		↔	⇔		€	ı
NOTE	All regional routes require detailed assessment and road safety audits prior to commencement. All events require formal Traffic Control Plans with approvals from all relevant authorities.	d road safety audits prior to commenceme	ent. All event	s require formal	Traffic Control Pla	ans with approva	ıls from a	ll relevant authorit	ies.	
							,			

Total - Regional Links and Tourism Routes	\$ 006'55	\$	\$	\$	•
GRAND TOTAL	148,010 \$	8,229,480 \$	3,169,520 \$	19,171,630 \$	30,570,630
	48,010 \$	8,229,480 \$	3,169,520 \$	19,171,630 \$	30,570,630

Bicycle Strategy for Mittagong, Bowral and Moss Vale Job No. 5506. Date Oct-08

Ref Ref	Houte Name	Item Pr	Priority Works Type	Standard Cost Ref	Total Distance F (m) Dis	On- Mult Road Distance (m)	Multiplier* Bas	Base Cost Con	Conting Maintena encies nce and Repairs	ena Minor I and Utility iirs Adjustm ents	or Landscap ity ing & stm Urban ss Design	p work Under Traffic	Fees	Mark Up	Cost Cost Cost	Cost	Cost	Cost sum
Linking Mittagong, Bowral and Moss Vale 1 Mittagong - Bowral - Moss	oss Vale mral - Moss Mittagong - Murray Vale Track, extend	widen pathway	CIVIL	14	400	400	400	\$68,656	%08	5% 1		%0 %0	3%	48%	\$101,610	0\$	0\$	\$101,610 ok
3 vale noute		crossing of Beatrice St 1 St mixed traffic, intersection 1	CIVIL	17	1,100	1,100	- 0	\$10,950 \$7,470	30% 10%	5% 1 20%	10% 00%	%0 %0 %0 %0	3%	48% 33%	\$16,210 \$9,930	\$ \$0	\$0	\$16,210 <i>ok</i> \$9,930 <i>ok</i>
4	& Alice St Mitagong Town Centre	treatments, signs and markings improved area-wide bicycle 1 access, incl mixed traffic facilities in Albert St, Victoria St, Queen St, Princes St, Regent St Princes St, Regent St	E L	25	2,150	2,150	27	\$20,168	10%	20%	₅₀ %0	%0 %0	3%	33%	\$26,820	0\$	0\$	\$26,820 ok
ro.		Signalised pedestrian crossings at 1 Queen St/Old Hume Hwy and at	CIVIL	27			Ø	\$202,476	%0%	5% 1	10% 06	%0 %0	3%	48%	\$299,660	\$	\$0	\$299,660 <i>ok</i>
9		Princes StrBowral Hd Bessemer St intersection upgrade, 1 include bike lamps, kerb ramps,	CIVIL	17			-	\$10,950	30%	5% 1	10% 00	%0 %0	3%	48%	\$16,210	\$0	0\$	\$16,210 ok
	Mittagong (Bessemer St) to Bowral	signal adjustments existing path	EXISTING	٠	009		009	\$0	%01	%0	0 %0	%0 %0	3%	13%	0\$	\$0	0\$	\$0 OK
8 0 0	(ve filedijan)	widening existing footpath new path, 2m, bitumen crossing facilities at strategic	CIVIL	41 13 71	1,550		1,550 1,950 10	\$266,041 \$542,169 \$109,499	30% 30% 30%	5% 1	10% 10% 10% 10%	%0 %0 %0 %0 %0 %0	3%	48% 48% 48%	\$393,740 \$802,410 \$162,060	0\$ \$0 \$0	0 \$ 8 8 8	\$393,740 <i>ok</i> \$802,410 <i>ok</i> \$162,060 <i>ok</i>
1 11	Bowral Town Centre	locations Merrigang St - replace roundabout 1	CIVIL	28			-	\$202,476	%08	5% 1	10% 0	%0 %0	3%	48%	\$299,660	\$0	\$0	\$299,660 ok
12		bicycle shoulder lanes - Merrigang 1 St to Banvette St	LINE	4	450	450	450	\$11,142	40%	%02	,0 %0	%0 %0	3%	33%	\$14,820	0\$	0\$	\$14,820 ok
1 13		Banyette St - replace roundabout 1	CIVIL	28			-	\$202,476	30%	5% 1	10% 0	%0 %0	3%	48%	\$299,660	\$0	\$0	\$299,660 ok
41	Bowral (Banyette St) to Moss Vale	existing path	EXISTING		150		150	\$0	40%	%0	%0 %0	%0 %	3%	13%	\$0	\$0	\$0	\$0 ok
1 15	(0)	widening existing footpath - 1 Banvette St to Kangaloon Bd	CIVIL	41	200		200	\$34,328	30%	5% 1	10% 0	%0 %0	3%	48%	\$50,810	\$0	\$0	\$50,810 ok
16		widening existing footpath - 3 Kangaloon Rd to Eridge Park Rd	CIVIL	4	1,500		1,500	\$257,459	%08	5% 1	10% 0%	%0 %	3%	48%	0\$	\$0	\$381,040	\$381,040 ok
- 17		new path, 2m, bitumen - 3	CIVIL	13	2,600		2,600	\$722,893	30%	5% 1	10% 100%	% 100%	, 103%	348%	\$0	\$0	\$3,238,560	\$3,238,560 ok
18 19		Eridge Park Rd to River Bridge over Wingecarribee River - 1	CIVIL	37	2,000		1 80	\$495,000 \$540,141	30%	0% 5% 1	0% 001	%0 %0 %0 %0	3%	0% 48%	\$495,000 \$799,410	\$ \$0	\$0	\$495,000 ok \$799,410 ok
20 21 21 21		widen rootparn Suttor Rd - existing Suttor Rd - extend path, but on 1	EXISTING	, t	1,200		1,200	\$0\$ \$236,330	10% 30%	0% 2% 1	0% 001	%0 %0 %0 %0	3%	13% 48%	\$0 \$349,770	0\$ \$	0\$ \$0	\$0 ok \$349,770 ok
23		northern side Suttor Rd - improve railway level 1	CIVIL	17			2	\$21,900	%06	5% 1	10% 0	%0 %0	3%	48%	\$32,410	\$0	0\$	\$32,410 ok
23		Argyle St - Suttor Rd to Valetta St, 1	CIVIL	4	200		200	\$85,820	%06	5% 1	10% 0	%0 %0	3%	48%	\$127,010	\$0	\$0	\$127,010 ok
1 24		widen pain western side crossing facilities at strategic 1	CIVIL	17			10	\$109,499	%06	5% 1	10% 0	%0 %0	3%	48%	\$162,060	\$0	\$0	\$162,060 ok
£3	Moss Vale Town Centre	Valenta Stri o Watie St shared 1 path was side, mytovenents to path was side, mytovenents to existing path, including localised widening, shared path signs and mankings esp at drivways, co-alised widening, crossing facilities on side stress and of the Highway at strategic localions (13	CIVIL	17	800	800	50	\$218,998	%06	5%	vo %01	%0 %0	%6	48%	\$324,120	9	0\$	\$324,120 ok
78	Alternate Rte via Mount Gib	Regent St and Railway Pde - 3 mixed traffic, intersection treatments, signs and markings	LINE	25	1,400	1,400	^	\$5,229	10%	20%	,0	%0 %0	3%	33%	0\$	\$0	\$6,950	\$6,950 ok
27		upgrade new path - seal existing fire trail 3 with 2m wide bitumen (excl	CIVIL	13	1,600		1,600	\$444,857	30%	5% 1	10% 00	%0 %0	3%	48%	\$0	\$0	\$658,390	\$658,390 ok
- 78		Soma St and Clarke St - mixed 3 traffic, intersection treatments,	LINE	25	1,300	1,300	4	\$2,988	10%	20%	,0 %0	%0 %0	3%	33%	0\$	\$	\$3,970	\$3,970 ok
1 29		signs and markings Clarke St link to Mittagong Creek 3 Trail	CIVIL	13	130		130	\$36,145	%08	5% 1	10% 06	%0 %0	3%	48%	\$0	0\$	\$53,490	\$53,490 ok
33.0	Alternate Rte via Old Bowral Rd	bicycle shoulder lanes 3 crossing facilities at strategic 3	CIVIL	4 7	1,500	1,500	1,500	\$37,141 \$21,900	10% 30%	20% 5% 1	0% 0° 10% 0°	%0 %0 %0 %0	3%	33% 48%	0\$	0\$	\$49,400 \$32,410	\$49,400 <i>ok</i> \$32,410 <i>ok</i>
32	Short Term atternative to avoid the steep ascent and cutting south of Burradoo Rd		CIVIL	13	2,200		2,200	\$611,678	%0%	5% 1	10% 00	%0 %0	3%	48%	\$905,280	\$	\$0	\$905,280 ok
88		new path along western side of Eridge Park Rd	CIVIL	13	3,400		3,400	\$945,321	30%	5% 1	10% 00	%0 %0	3%	48%	\$1,399,080	\$	\$0	\$1,399,080 ok
Total - Linking Mittagong, Bowral and Moss Vale	and Moss Vale				29,620		*	\$6,482,097							\$7,087,740	\$	\$4.424.210	\$11.511.950 ok

Bicycle Strategy for Mittagong, Bowral and Moss Vale Main

Section W	Works Route Name	Route Description	Item	Priority	rity Works Type Standard	Standard	l Total Distance	On- Mul	Multiplier* Bas	Base Cost Con	iting Main	tena Min	or Landsca	p Work	Design		Priority 1 Item	Total Priority 1 Item Priority 2 Item Priority 3 Item Mark In Cost Cost		Total Item check
					-		(m)	stance (m)		5	Rep	airs Adju	Repairs Adjustm Urban ents Design				5			
Main Feede 2	Main Feeder Routes 2 1 Renwick Links	existing high use section along Ferguson new path	in new path	-	CIVIL	13	1,500		1,500	\$417,053	30%	2%	10% 00	%0 %0	%8 %	% 48%	\$617,240	0\$	\$0	ok \$617,240 ok
2	2	Crescent Bong Bong Rd	new path	က	CIVIL	13	200		200	\$194,625	30%								\$288,040	\$288,040 ok
a a	3 4 Welby Link	Colo St and Railway Pde	new path develop pathway in accordance with Council plans and budget	e –	CIVIL	38	1,400			\$389,250 \$200,000	30% 0%	1 2% 0	10% 0% 0%	%0 %0 %0 %0	%0 % %	% 48% % 0%	\$200,000	\$00	\$576,090 \$0	\$576,090 ok \$200,000 ok
61	ហ		(part existing, part new/improved) contra flow lane along southern side of main street, in service road	2 2	CIVIL	23	230	230	230	\$26,346	30%	2%	10% 0,	%0 %0	%8 %	% 48%	0\$	\$38,990	\$	\$38,990 ok
7	6 Burradoo Rd	full length	upgrade existing mixed traffic	23	LINE	25	4,500	4,500	12	\$8,964	10%	20%	,0 %0	%0 %0	3%	33%	0\$	\$11,920	\$0	\$11,920 ok
Ø	7		Nerang St and Yean St crossing facilities at Moss Vale	8	CIVIL	17			8	\$21,900	30%	2%	,0 %01	%0 %0	%8 %	48%	0\$	\$32,410	\$0	\$32,410 ok
2	8 Bong Bong to East Bowral	trail along the River	Road and Kangaloon Rd new path (distances vary	81	CIVIL	13	7,500		7,500 \$2	\$2,085,267	30%	2%	10% 0,	%0 %0	%8 %	% 48%	0\$	\$3,086,200	\$0	\$3,086,200 ok
61	Hiver Irail 9 Throsby Park Trail	Illawarra Hwy from Argyle St to James	depending on alignment) budgetted new path	-	CIVIL	39	200		-	\$124,000	%0	%0	,0 %0	%0 %0	%0 %	%0 %	\$124,000	0\$	\$0	\$124,000 ok
21	10	St Illawarra Hwy from James St to Young	new path (pro rata to item 2.9	က	CIVIL	39	200		40%	\$49,600	%0	%0	,0 %0	%0 %0	%0 %	%0 %		0\$	\$49,600	\$49,600 ok
2	11 Berrima River Trail	St.	to path along the River, pending	ო	CIVIL	13	2,700		5,700 \$1	\$1,584,803	30%	2%	10% 0	%0 %0	% 3%	% 48%		0\$	\$2,345,510	\$2,345,510 ok
2	12 Whites Creek Trail	Old Hume Fighway Mack St to Gibbons Rd	extend off-rd path and provide	က	CIVIL	13	1,400		1,400	\$389,250	30%	2%	10% 0	%0 %0	%8 3%	% 48%		0\$	\$576,090	\$576,090 ok
2	13		crossing facilities at Argyle St,	ဇ	CIVIL	17			ဇ	\$32,850	30%	2%	10% 0	%0 %0	%8 3%	% 48%		0\$	\$48,620	\$48,620 ok
21	14 Chelsea Gardens Link	Mack St, Arthur St, Spencer St	Lackey Hd and Watie St mixed traffic, intersection	က	LINE	25	1,300	1,300	9	\$4,482	10%	20%	,0 %0	%0 %0	%8 %	33%	0\$	0\$	\$5,960	\$5,960 ok
0 0	Vale Enterprise Zone		reatments, signs and markings new path new path	ო ო	CIVIL	£1 £1	1,600		1,600	\$444,857 \$1,807,231	30%	5%	10% 10% 0	%0 %0 %0 %0	3%	% 48% % 48%	0\$	0\$	\$658,390 \$2,674,700	\$658,390 ok \$2,674,700 ok
61	Loop 17	Beaconsfield Rd, Garrett St, Innes Rd Lackey Road between Parkes Road and u Argyle Street adjacent to the railway	d upgrade to the footpath	ဇ	CIVIL	4	950		920	\$163,057	30%	5%	10% 00	%0 %0	%8 %	% 48%	0\$	\$0	\$241,320	\$241,320 ok
2	18	station	crossing facilities at strategic	ю	CIVIL	17			Ŋ	\$54,749	30%	5% 1	10% 00	%0 %0	% 3%	% 48%	0\$	0\$	\$81,030	\$81,030 ok
Total - Main	Total - Main Feeder Routes						36,480		28	\$7,998,285							\$941,240	\$3,169,520	\$7,545,350	\$11,656,110 ok
Local Acce.	Local Access Connections 3 1 Mittagong	Henderson Ave, Rainbow Rd, Brewster		ო	LINE	52	720	720	4	\$2,988	10%	20%	0 %0	%0 %0	%8 %	% 33%			\$3,970	94 3,970 ok
m m 1	0,00	St Southey St	treatments, signs and markings crossing of Bowral Rd extend existing path	000	CIVIL	13	440	c c	1 440	\$10,950 \$122,336	30%	5%	10% 10% 0,0	%0 %0 %0 %0	3%	% 48% 48%		0\$	\$16,210	\$16,210 <i>ok</i> \$181,060 <i>ok</i>
ი ო	5 4 bowrai	Werngang St bong bong St. to make traint, intersection Mittagong Creek Treatments, signs and ms Rowras St Station St to Mittagong Creek mixed froffs, intersection	mixed trains, intersection treatments, signs and markings of mixed traffic intersection	י מ	ш Ц 2 1	6 K	7 40	1400		\$3,735 \$8 964									\$4,970	44,970 OK
ი ო	ν φ	Mount Rd, Meridah Rd, Centennial Rd,	treatments, signs and markings new path	ი ო	CIVIL	3 6	2,900	2	2,900	\$806,303									\$1,193,330	\$1,193,330 ok
ю	7	Kirkham Rd loop		ო	CIVIL	17			4	\$43,800	30%	2%	0 %01	%0 %0	%8%	% 48%			\$64,820	\$64,820 ok
б	8	Stephens Park Bike Ed Facility	locations mixed traffic, intersection	-	LINE	25	1,100	1,100	21	\$15,687	10%	20%	0% 100%	100%	103%	333%	\$67,920	0\$	\$0	\$67,920 ok
ဇ	ō		treatments, signs and markings directional signage in Hansen St,	-	SIGN	ω			9	\$2,349	10%	10%	0% 200%	% 200%	% 203%	% 623%	\$16,980	0\$	\$0	\$16,980 ok
ю	10	Stanley Park	Link from near existing cycleway	က	CIVIL	13	09		09	\$16,682	30%	2%	10% 100%	% 100%	103%	% 348%	. \$0	0\$	\$74,740	\$74,740 ok
м	=	Albert Street road reserve	link from Shepherd Street to Bowral Rd and then to the existing path with a bridge over the rivulet	t gg	CIVIL	1	230		530	\$90,969	%06	2%	10% 200%	% 500%	% 503%	% 648%	0\$	0\$	\$680,450	\$680,450 ok
о о о	12 13 14 Burradoo	Werrington St, Charlotte St -	to Farmborough Close crossing facility at Bowral Rd low cost bridge across rivulet new path to River	е е е	CIVIL	7 2 2 5	350		1 4 4 350	\$10,950 \$43,800 \$97,312	30% 30% 30%	5%	10% 300% 10% 400% 10% 0%	% 300% % 400% % 0%	% 303% % 403% % 3%	% 948% % 1248% % 48%	0\$	0 0 0 0	\$114,750 \$590,420 \$144,020	\$114,750 ok \$590,420 ok \$144,020 ok
en e	15 6	Wingecarribee River to Eridge Park Rd		es es	CIVIL	5 4	1,250	0	1,250	\$347,545	30%	5%	10% 100%	100%	103%	348%	0\$	\$0	\$1,557,000	\$1,557,000 ok
9	Q		mixed trains, intersection treatments, signs and markings			Q		2,100		\$5/,64	%01								98,940	\$6,940 OK
m	17		crossing facilities at Bowral St and Eridge Park Rd	3	CIVIL	17			7	\$21,900	30%			%0 %0				\$0	\$32,410	\$32,410 ok
ღღ	18 19 East Bowral	Philip St Kangaloon Rd, Hordens Rd, Mansfield Reserve, Mansfield Rd - St Martins	pathway to River new path	- e	CIVIL	36	300		2,100	\$82,500 \$583,875	%0° 30%	2%	0% 10% 0	%0 %0 %0 %0	%0 % 3%	% 0% % 48%	\$82,500	0\$	\$0 \$864,130	\$82,500 ok \$864,130 ok
т	50	Grove to Mittagong Creek	crossing facilities at Carisbrooke Row and Harley St	ဇာ	CIVIL	17			Ø	\$21,900	30%	5%	10% 00	%0 %0	%8 3%	% 48%	0\$	\$0	\$32,410	\$32,410 ok

\$411,474

average over 10yrs at 50/50

Bicycle Strategy for Mittagong, Bowral and Moss Vale Job No. 5506.
Date Oct-08

			COS	Cost Ref Distance (m)		_ 8		encies	encies nce and Utility Repairs Adjustm	Utility Adjustm	.	Under	Fees N	Mark Up	ark Up Cost Cost Cost	Cost	Cost	Cost sum
3 21 Moss Vale	Argyle St, Church Rd, Young Rd,	new path along Argyle St 3	CIVIL	13 2	(m) 250	250	\$69,509	30%	2%	ents 10%	%0	%0	3%	48%	\$0	\$0	\$102,870	\$102,870 ok
8	Narrellan Rd	mixed traffic, intersection 3	LINE	25 2,400	00 2,400	2 0	\$5,229	10%	20%	%0	%0	%0	3%	33%	\$0	\$0	\$6,950	\$6,950 ok
		gs	CIVIL				93		2%	10%	%0	%0	3%	48%	\$ \$	\$	\$32,410	\$32,410 ok
3 24 25 25	Kirkham St	Church Rd and Illawarra Hwy railway level crossing 3 mixed traffic, intersection 3	CIVIL	17 25 4	400 400	0	\$21,900 \$1,494	30%	5% 20%	10% 0%	%0	%0 0	3%	48% 33%	0\$	0\$ \$	\$32,410 \$1,990	\$32,410 <i>ok</i> \$1,990 <i>ok</i>
3 26 3 27	Kirkham St to Narrellan Rd link Park Rd, Innes Rd, Gibbons Rd loop	reatments, signs and markings new path of mixed traffic, intersection 3 treatments, signs and markings	CIVIL	13 5 25 1,8	500 1,850 1,850	500	\$139,018 \$8,217	30%	20%	10%	%0	%0	3%	48% 33%	0 0\$ \$	00\$	\$205,750 \$10,930	\$205,750 ok \$10,930 ok
Total - Local Access Connections				19,410	10		\$2,608,530								\$167,400	\$0	\$5,968,860	\$6,136,260 ok
n Recreational Routes 4 1 Bowral	Bong Bong Trail Improvements	Improve signs and markings along 1 the existing route along Kirkham Fd. Bownad St. Station St. Funston St. Railway Pde, Nerang St. Yean St. Burradoo Pd.	LINE	25 3,800	00 3,700	17	\$12,699	10%	20%	%0	%0	%0	%8	33%	\$16,890	0\$	0\$	97 \$16,890 <i>ok</i>
2		crossing of Bowral Rd at Mittagong 1	CIVIL	17		-	\$10,950	30%	2%	10%	%0	%0	3%	48%	\$16,210	\$0	\$0	\$16,210 ok
ε 6	Bong Bong Trail Extension	extension of off-road path along 3 Mittagong Creek from pool to	CIVIL	13 2,800	00	2,800	\$778,500	30%	2%	10%	%0	%0	3%	48%	0\$	\$0\$	\$1,152,180	\$1,152,180 ok
4		cossing facilities at strategic 3	CIVIL	17		6	\$32,850	30%	2%	40%	%0	%0	3%	48%	0\$	\$0	\$48,620	\$48,620 ok
5		railway level crossing 3	CIVIL	17		2	\$21,900	30%	2%	10%	%0	%0	3%	48%	0\$	\$0	\$32,410	\$32,410 ok
- Urban Recreation Routes				009'9	00		\$826,898								\$33,100	\$0	\$1,233,210	\$1,266,310 ok
Regional Links and Tourism Routes 5 1 Mittagong to Picton Rail Trail	ail	new path from Swan St, Willow	PLANNING	2 2,300	00		\$	10%	%0	%0	%0	%0	3%	13%	0\$	\$0	\$0	\$0 0K
(to Lda boundary only)		Valet for Government fact, tradamar new path from Braemar to LGA and Boundary via Colo Valet, Hill Top and Balmor at Village (provide access to focal road networks wherever feasible, witch roam double as hold points for staged during as a hold points for staged	PLANNING	2 20,000	00		0	40% ************************************	%0	%0	%0	%0	% %	13%	0	0\$	0\$	\$0 O\$
5 2 Berrima Double 8 Loop	Old Hume Hwy	extend off-rd path from 3	PLANNING	2 6	009		0\$	40%	%0	%0	%0	%0	3%	13%	0\$	0\$	0\$	\$0 OK
გი გა		crossing faicility at Mandemar St 3 wide shoulders from Mandemar Rd 3 to Revine Rd	PLANNING PLANNING	2 2 11,000	00		0\$	10% 10%	%0	%0	%0 0	%0	3%	13%	0\$	\$0	0\$	\$0 0k \$0 0k
5 5	Berrima Rd	wide shoulders from Old Hume 3	PLANNING	2 6,500	00		\$0	10%	%0	%0	%0	%0	3%	13%	\$0	\$0	\$0	\$0 OK
9 9	Douglas Rd	mixed traffic from Beaconsfield Rd 3	PLANNING	2 2,500	00		\$0	10%	%0	%0	%0	%0	3%	13%	\$0	\$0	\$0	\$0 OK
5 7	Oxley Hill Rd	mixed traffic from Old Hume Hwy 3	PLANNING	2 6,000	00		\$	10%	%0	%0	%0	%0	3%	13%	0\$	\$0	\$0	\$0 OK
8	Centennial Rd	mixed traffic from Old Hume Hwy 3	PLANNING	2 4,000	00		0\$	10%	%0	%0	%0	%0	3%	13%	0\$	0\$	0\$	\$0 OK
9	rail trail	from Douglas Rd to Wingecarribee 3 River, west side, incl railway level crossing at Douglas Rd	PLANNING	2 3,000	00		0\$	10%	%0	%0	%0	%0	3%	13%	0\$	0\$	0\$	\$0 ok
NOTE All regional routes require detailed ass	sessment and road safety audits prior to co	All regional routes require detailed assessment and road safety audits prior to commencement. All events require formal Traffic Control Plans with approvals from all relevant authorities	: Control Plans with approv	als from all re	evant auth	orities.												
Total - Regional Links and Tourism Routes blank				55,9	00		0\$								0\$	0\$	0\$	\$0 0¢
Total - blank blank							0\$								0\$	0\$	\$0	% ok
Total - blank GRAND TOTAL				148,010	. 6		\$17,945,809								\$0 \$8,229,480 \$3,	\$3,169,520	\$19,171,630	\$0 0k \$30,570,630 0k

Bicycle Strategy for Mittagong, Bowral and Moss Vale Job No 5606 Date Oct-08

Standard Costs

Refere	Reference Description	Type of Works	Cost 2003 (some other	Cost 2008	Unit	Source Comment
	-		years)			
	Existing facilities or works included in current budget allocations Abox included	EXISTING CALLED COLORS		1		Manaday Cumil Sydnay City, Botany Caunal Contonial Bark TNISW Bally arizate developers
						Waterley Coulcil, Studies Orly: Docard Journal, Centennia Park, Divow, Private developers on Mactembrian Dark Dlan of Management SQU IED DCD at
	Stategic IIIIk 101 III clasio II II latale piari III ig		08.8			D F
	3 Orgins & Markings - Centrelline, birke & 1 ed Euglos each way every 100m; signs at 200m - on road both sides		20.35	24.76 m		2. Thermonlastic combination of Line Items 6. 18 & 30.
	Signs & Markings - Eagenna, Earonna, English Eages (1997), 19911, 19911. Signs & Markings - Directional Signs		321.75		ch	Supply and install, includes one stem with two pla
			203.50		each	
			750.00		each	
	8 Pavement - Footpath reseal		34.65			1 1.5m wide
			5,000.00		each	
			20,000.00		ıch	10 Canterbury Racecourse, Casuarinas
	11 Structure - Cut and cover tunnel		\$ 172,532.48 \$		ıch	7 specific dimensions detailed in attached worksheet
	Pavement - Footpath - Concrete (3.0m, two-way)		423.23	514.92 m		
	13 Pavement - Footpath - Bitumen (2.0m two-way) - LOW KEY		228.53			
	14 Pavement - Footpath - Widen existing, Concrete (1.0m)		141.08			
	15 Pavement - new car park - bitumen seal		236.78		N	
	16 Civil - Kerb Ramp		470.25		each	Lipless
	17 Civil - Bicycle Refuge / LATM / Traffic Facilities	CIVIL	9,000.00	10,949.88 ea	ıch	1 2 concrete islands, 2.5mX10m, linemarking, signage, 2 kerb crossings. These costs have also been
	40 Cinaco O Madinas Dianila I and		70 07		9	
	16 Others a Mannigs - Dicycle Logo 16 Others and American Communication of the Communication		79.03	97.15 ed	eacii	
	20 Parking - Bicycle Locker		\$ 2269.00 \$		ich	4 Vertical locker fits 1 bike. Horizontal locker fits 2 bikes. Includes site establishment costs. slab and
						supply and delivery of locker by DoT nominated contractor LEDA.
			86.34	105.05 m		5 1.5m wide
	22 Structure - Solar Street Lighting		\$ 100.00 \$			
	23 Pavement - contra flow lane and mixed traffic	CIVIL	94.15	114.55 m		 green pavement 1.5m wide, PLUS combination of Line Items 6, 18 & 30, PLUS bike lane sign every
			7		4	100m
	24 OMI - talsed profity crossing 25 Signs & Markings - low key intersection improvements		\$ 17,123.20 \$	746 98 e8	each	1,2 o.oxorii condrete platiorii, signs and markings, 2 keno crossings 1 inclindes continuity lines, holding line, giveway sign, 20m wide, bike loops
	26 Signals - Bike Lamps at Signals per pair		1.500.00		: :=	
			90,000,06		ıch	includes minor civil works, such as kerbramps as well as
			180,000.00	202,475.52 eac	each	
			20.00			
	30 Signs & Markings - Linemarking		4.18			2 Thermoplastic
	31 Pavement - sealed shoulder, 1.5m		55.07			
	32 Pavement - fibre glass planks	CIVIL	1,025.00	1,152.99 m		9 Use fibre glass panels such as those provided by "Anderson Products" in Newcastle (cf John Whitton
						Bridge). Panels are 0.6mX6.0m and cost \$1230 (2005) each. Assume 5 panels wide and divide by 6m
	33 Structure - General Bridge Cost	IIVIO	2 774 39	3 000 78 m2	0	to get illegal tilette costs.
	34 Structure - Bus Shelter		7.480.00		- Lo	1 Relocate
			169.84		each	3 Thermonlastic, combination of Line Items 6 & 18, using existing posts, powerpoles and sign stems
	36 Civil - Burradoo (2008/2009) Phillip St pathway link to Bong Bong Track shared pathway		82,500		each	
			495,000		each	120
			\$ 200,000 \$		each	12
		CIVIL	124,000	124,000.00 eac	ıch	12
Notes	+					
	all costs for supply and install					
	2.25% discount applied to all pavement works, based on Council schedule due to economies of scale (>30M²) 3.45% discount applied to all other works, based on Council advantaged to economics of scale (>20M²)					
Sources						
	1 Leichhardt Council Annual Cost Schedule for 2003/2004 (JFT&T Ref #4736, ¿					
	2 Quotes for Leichhardt Council by HVS Services on three separate occasions (JFT&T Ref #4736)					
	3 Information provided by South Sydney Council based on recent projects 4 DoT / Rivycle NSW Locker Program (attached)					
	5 Internal RTA advice re costs of green pavement from Peter Mann dated 11 October 2002 (attached)					
	7 JFA/STC North Shore Cycleway Rpt, July 2003, p65 (attached)					
	9 Verbal quotation obtained by Jamieson Foley In Feb US 10 Experience by The Environment Morks Dtv I to 120 2008					
	Expellence by The Elivironinent Works F ty Verhal advise from RTA 4 April 2005					
	12 Wingecarribee Works Program 2007-10					

Bicycle Strategy for Mittagong, Bowral and Moss Vale Job No 5606 Date Oct-08

Pathway Projects

Mittagong, Bowral and Moss Vale 2007/08 Moss Vale Construct cycleway from Existing Bong Bong track to CBD along Suttor Rd – 1,650m Burradoo Burradoo Burradoo Burradoo Burradoo Burradoo Burradoo Stage 1 shared pathway link to Eridge Park (2 km) Stage 1 shared pathway along Illawarra Hwy to James Street 500m Stage 1 shared pathway sktension from Oval to railway pedestrian crossing and missing link along Ellsmore road – 500m Stage 2 shared pathway linkages from Bundanoon Oval along Old Wingello Road – 1.2km. Subtotal Stage 2 shared pathway linkages from Bundanoon Oval along Old Wingello Road – 1.2km. Subtotal	S.94	Council	Total	Annus	Annual Average
Moss Vale Burradoo Burradoo Mittagong Moss Vale eas Bundanoon Berrima/New Berrima					
Burradoo Burradoo Mittagong Moss Vale eas Bundanoon Berrima/New Berrima Bundanoon	\$	410,000 \$	↔	410,000	
Burradoo Mittagong Moss Vale eas Bundanoon Berrima/New Berrima Bundanoon	↔	82,500 \$	⇔	82,500	
Mittagong Moss Vale I eas Bundanoon Berrima/New Berrima Bundanoon	€9	495,000 \$	⇔	495,000	
Moss Vale eas Bundanoon Robertson Berrima/New Berrima Bundanoon	€9	200,000 \$	200,000 \$	400,000	
eas Bundanoon Robertson Berrima/New Berrima Bundanoon	€9	124,000 \$	↔	124,000	
eas Bundanoon Robertson Berrima/New Berrima Bundanoon	55	1,311,500 \$	200,000 \$	1,511,500 \$	503,833
Bundanoon Robertson Berrima/New Berrima Bundanoon					
Robertson Berrima/New Berrima Bundanoon	sing link along Ellsmore road – 500m \$	124,000 \$	↔	124,000	
Berrima/New Berrima Bundanoon	€	129,000 \$	↔	129,000	
undanoon	€	30,000 \$	↔	30,000	
Subtotal	1.2km. \$	\$ 000'8	⇔	289,000	
	\$	572,000 \$	\$	572,000 \$	190,667
GRAND TOTAL	\$	1,883,500 \$	200,000 \$	2,083,500 \$	694,500

Bicycle Strategy for Mittagong, Bowral and Moss Vale Job No 5606 Date Oct-08

Base Costs of Works from Leichhardt Council 2003/2004

	WORK	KS AND	SERVICES	S				
			PRO	PROPOSED FEE 2003/2004	/2004	PRIOR YEAR FEE		
Line Reference	DESCRIPTION	GST Position	Inclusive Amount	GST Amount	Exclusive Amount	Inclusive Amount	Basis of Fee	Receipt Code
886 887 888	ROAD AND FOOTPATH OPENINGS Deposits and Charges Permit Fee (non refundable)	Exempt	62.00	0.00	62.00	60.00	Full	
889 890	plus Deposit - refundable on full payment of restoration amount	Ë	611.00	0.00	611.00	590.00	Deposit	
891 892	plus Calculated cost of road and footpath restoration (in accordance with rates							
893 894	below):- Road Openings - Per m2 (Note: 25% discount for openings exceeding 30m2)							
895 896	Asphalt (Bitumen, Tar) Asphalt resheet only (25mm thick)	Taxable Taxable	315.70 48.95	28.70	287.00		= = :	
897 898	Asphalt on concrete base Concrete	Taxable Taxable	387.20 382.80	35.20 34.80	352.00 348.00	374.00 369.60		
889 800	Footpath Openings - Per m2 (Note: 25% discount for openings exceeding 30m2)							
901 902	grass verge Asphalt (Bitumen, Tar)	Taxable Taxable	42.35 152.35	3.85 13.85	38.50 138.50	1		
903 904	Asphalt resheet only (12mm thick) Asphalt on concrete base	Taxable Taxable	30.80 182.05	2.80 16.55	28.00 165.50		<u> </u>	
905	Concrete (or concrete, brick or block paving) Precast concrete slab	Taxable	188.10	17.10	171.00		<u> </u>	
907	Crossings -)	<u>.</u>		<u>.</u>	
909	115mm residential 150mm industrial	Taxable	248.60	22.60 28.70	226.00		<u> </u>	
911	200mm industrial	Taxable	449.90	40.90	409.00	434.50		
912 913	Other	:					:	
914 915	Concrete Kerb only or Gutter only - per meter Sandstone Kerb only - per meter	Taxable	169.95 224.40	15.45	154.50 204.00	216.70		
916	Concrete Kerb and Gutter - per meter	Taxable	242.55	22.05	220.50		<u> </u>	
91 <i>/</i> 918	Sandstone Nerb and Confere Gutter - per meter Hole in Kerb - per hole	Taxable Taxable	85.25	7.75	77.50	82.50		
919	Laying 100mm stormwater pipe - per meter	Taxable	36.30	3.30	33.00	35.20	<u> </u>	
921	caw cuting - establishing in etc.	Taxable	26.40	2.40	24.00		<u> </u>	
922 923	Minimum charge Minimum charge will be one unit of area or length except sawcutting.	l axable	413.60	37.60	3/6.00	399.30	III	
924 925	Charge will be calculated to nearest 0.2 unit of area or length. Mainstreet Footpath Paver - per m2	Taxable	93.50	8.50	85.00	0.00	Full	
926 927	Example : To open a trench 0.5m wide across a 3.6m wide footpath (half concrete, half grass) and 6m into asphalt roadway.							
928	Permit Fee	Exempt	62.00	0.00	62.00		Full	
930	Petrosii (refuindane) Path concrete 1.8 x 0.5 = 1m2 (up to nearest 0.2)	Taxable	188.10	17.10	171.00			
931 932	Grass 1.8 x 0.5 = 1m2 (up to nearest 0.2) Concrete Kerb and Gutter 0.5 = 0.6m (up to nearest 0.2)	Taxable Taxable	42.35 145.53	3.85 13.23	38.50 132.30			
933 934	Asphalt Road 6 x 0.5 = 3m2	Taxable	947.10 2063.38	86.10 187.58	861.00 1 875 80	914.10	<u> </u>	
935	Important Note 1: On final inspection the cost of any restoration for areas in						5	
C C	excess of norminated areas will be deducted from the deposit of charged separately to the applicant.							
926	i ne applicant must return permit to Council before restoration will proceed.							
937 938 939	Vehicle Crossings & Associated Works Application fee for vehicular crossing	Taxable	57.20	5.20	52.00	55.00	Full	

P:\HS10000 - 10990\HS10090 Wingecarribee\Report - FINAL FINAL\5606 Costs rev05

		Receipt Code																																																							
		Basis of Fee	Full	=======================================] n	Full	Full	Full	Full	; <u> </u>	. I	= - -	5 E	5 = 	=======================================	- E	Full			Full	Full	Full	Full			E i	Full	Full			=	. II	Full	Full	Full			Full	Full	Full	Full	Full	Full			In H	Full	In II	Full			=		Full	: L	En H	
	PRIOR YEAR FEE	Inclusive Amount	239.80	304 70	434.50	891.00	163.90	216.70	234.30	281.60	181.50	146.30	35.00	40.70	00.00	02.62	605.00			378.40	185.90	342.10	156.20			3517.80	861.30	2931.50			300 30	348 70	412.50	528.00	06.96.90											00.00	0.00	00:00	0.00			00 0	0.00	0.00		0.00	
		Exclusive Amount	226.00	287.00	409.00	839.00	154.50	204.00	220.50	265.00	171.00	138 50	33.00	38.50	00:00	74 50	570.00			356.50	175.00	322.00	147.00			3,313.00	811.00	2,761.00			283 00	328.50	388.50	497.00	00.009											300.00	300.00	3500.00	1500.00			450 00	450.00	8000.00	0	3500.00	
S	PROPOSED FEE 2003/2004	GST Amount	22.60	28 70	40.90	83.90	15.45	20.40	22.05	26.50	17.10	12 25	00. 60	00. co	08:0	7 45	57.00			35.65	17.50	32.20	14.70			331.30	81.10	276.10			08 30	32.85	38.85	49.70	00.09											30.00	30.00	350.00	150.00			45 00	45.00	800.00	0	350.00	
SERVICES	PRO	Inclusive Amount	248.60	315 70	449.90	922.90	169.95	224.40	242.55	291.50	188.10	152.35	36.30	42.35	102 30	81.95	627.00			392.15	192.50	354.20	161.70			3644.30	892.10	3037.10			311 30	361.35	427.35	546.70	00.099											330.00	330.00	3850.00	1650.00			495 00	495.00	8800.00	1	3850.00	
RKS AND		GST Position	Taxable	Tavable	Taxable	Taxable	Taxable	Taxable	Taxable	Taxable	Taxable	Tavable	Taxable	Taxable	Tayable	Taxable	Taxable			Taxable	Taxable	Taxable	Taxable			Taxable	Taxable	Taxable			Tavable	Taxable	Taxable	Taxable	Taxable											Taxable	Taxable	Taxable	Taxable			Taxable	Taxable	Taxable	:	Taxable	
WOR		DESCRIPTION	- 115mm residential				Concrete Kerb only/Gutter only per metre		intter p	rete Gutter per			ater drainage		S					_	Excavation other than rock (allows for removal of spoil) per m3	<u>.</u>	Excavation other than rock (allows for reuse of materials) per m3		DRAINAGE WORKS	Construction of standard gully pit with extended kerb inlet	Supply and installation of extended kerb inlet	Construction of a concrete manhole or standard gully pit	Excessetion Sunnly and leving of reinforced concrete nines in other than		* 300mm dia BCP			* 525mm dia RCP per metre	* 600mm dia RCP per metre		total for each site)	For accounts up to \$3,000	up to \$ 4,000	\$ 4,000 up to \$ 5,000	\$ 5,000 up to \$ 6,000	\$ 6,000 up to \$15,000	For accounts > \$15,000		Removal of street furniture including cost of restoring original site	Seat	Bin	Bus Shelter	J C Decaux phone booth		Relocation of street furniture including cost of restoring original site & installation at alternative nocition	Seat	Bin		Bus Shelter (includes relocation of communications & electricity connections)	J C Decaux phone booth (includes capping off of communications &	
		Line Reference	940	9.7	942	943	944	945	946	947	948	949	950	951	950	953	954	955	926	957	928	626	096	961	962	963	964	965	966	100	896	595	970	971	972	973	974	975	926	677	8/6	626	086	981	362 1085	1086	1087	1088	1089	1090	1091	1092	1093	1094		1095	

Bicycle Strategy for Mittagong, Bowral and Moss Vale Job No 5606 Oct-08

Bridge Construction Cost

CPI

4%

Location	Length	Width	Cost Est	Year	Cost 2006	Cost 2006 per Square Metre
Ex North Shore Cycleway 2003						
Falcon Street Ramp & Bridge	210	4.0 \$	1,600,000	2003 \$	1,799,782	€
Ernest Street Underpass (cut and cover tunnel)	75	4.0 \$	170,000	2003 \$	191,227	₩
West Street Ramp	108	4.0 \$	1,000,000	2003 \$	1,124,864	₩
Brook Street Ramp & Bridge	184	4.0 \$	1,250,000	2003 \$	1,406,080	9.
Triple Bridges over Park Street and Drainage Channels	110	4.0 \$	800,000	2003 \$	899,891	\$ 2,045
Brand Street Circular Ramp	159	4.0 \$	1,000,000	2003 \$	1,124,864	8
Mowbray Road Underpass	86.5	4.0 \$	420,000	2003 \$	472,443	\$ 1,365
Total	932.5	4.0 \$	4.0 \$ 6,240,000	₩	7,019,151	8

Ex Bay Run Cycle Way 1999						
Iron Cove Bridge - Bridge Path	470	4.4 \$	6,204,000	1999 \$	8,164,041 \$	3,948
Iron Cove Bridge - Southern Abutment Undrpass	30	3.8	342,000	1999 \$	450,049 \$	3,948
Iron Cove Bridge - Northern Cycleway Ramp	150	3.8	1,710,000	1999 \$	2,250,243 \$	3,948
Iron Cove Creek - new structure	22	5.0 \$	308,000	1999 \$	405,307 \$	3,685
Total	672	4.3 \$	8,564,000	9	11,269,640 \$	3,938
DEAND TOTAL	7 7031	41.0	11 801 000	ť	18 288 701 ¢	0.777

Major Pathways Construction Cost

Project	Cost / km	Cost / km	
	(2003)	(2006)	
Currently Preferred Route (North Shore Cycleway)	\$2,650,000	\$2,980,890	\$2,980,000
Previously Preferred Route (North Shore Cycleway)	\$280,000	\$314,962	\$310,000
Western Sydney Orbital	\$1,250,000	\$1,406,080	\$1,410,000
Bay Run Cycleway	\$1,070,000	\$1,203,604	\$1,200,000
Strathfield to Eastwood (rail corridor)	\$400,000	\$449,946	\$450,000
Parramatta to Liverpool (rail corridor)	\$700,000	\$787,405	\$790,000
M4 Viaducts	\$2,166,667	\$2,437,205	\$2,440,000
Prospect Cycleway	\$950,000	\$1,068,621	\$1,070,000
M5 East Motorway	\$450,000	\$506,189	\$510,000
Average	\$1,101,852	\$1,101,852 \$1,239,433	\$1,240,000
		min	\$310,000
		average	\$1,240,000
		max \$	2,980,000

JFA/STC North Shore Cycleway Rpt, July 2003, p65 JFA/STC Bay Run Cycleway Rpt, Nov 1999, p31

Sources

P:\HS10000 - 10990\HS10090 Wingecarribee\Report - FINAL\5606 Costs rev05

Bowral and Moss Vale Bicycle Strategy for Mittagong, Job No 5606 Date Oct-08

Sample Locker/Site Costings Provided by Bicycle NSW

Costs calculated on proposed supply tender contract costs as at Sept 03.

Assumes metro location, no travel costs. No GST.

Basic Costs	Horizontal	Vertical	Sample Site - 6 Boxes	Boxes	
				Horizontal	Vertical
Locker Unit	\$1,407.00	\$1,342.00	6 Lockers	\$6,807.00	\$13,068.00
Slab Cost	\$810.00	\$810.00	Light	\$1,450.00	\$1,450.00
Numbering	\$52.00	\$26.00	Signage	\$158.00	\$158.00
Cost	\$2,269.00	\$2,178.00	Total Cost	\$8,415.00	\$14,676.00
No. of Bikes	N	-			
Cost per bike	\$1,134.50	\$2,178.00			
Additional Items					
Lighting	\$1,450.00	\$1,450.00			
Site Signage	\$158.00	\$158.00			
Muliple Lockers					
Cost per 4 bikes	\$4,538.00	\$8,712.00			
Cost per 6 bikes	\$6,807.00	\$13,068.00			
Cost per 8 bikes	\$9,076.00	\$17,424.00			
Cost per 10 bikes	\$11,345.00	\$21,780.00			
Cost per 12 bikes	\$13,614.00	\$26,136.00			
Cost per 18 bikes	\$20,421.00	\$39,204.00			

Bowral and Moss Vale Bicycle Strategy for Mittagong,

5606 Oct-08 Job No Date

Green Pavement Costs

From: Sent:

PICONE Robert Friday, 11 October 2002 14:40 SHERWIN Stephen; MORAN Craig; VARGA Keith; MARGISON Phil; DONALDSON Brad; LUNSMANN Rolf FW: red SMA7 .: P

Subject: FYI.

I had previously calculated the red SMA to be \$28.00 per square metre based on the \$500 per tonne rate that I was given by SCS. It is now nearly double at \$53.22 per square metre. Notwithstanding, still cheaper that the epoxy overlay product at

53.22 about \$60

Regards RP

MANN Peter ----Original Message-From:

Friday, 11 October 2002 14:27 Sent:

PICONE Robert ë

red SMA7 Subject:

I've been going through Boral's alternative tender for the last asphalt contract. They actually priced the red SMA7 at \$53.22 (GST inclusive)/m2. Given the surface voids of SMA and the thickness of only 25mm, the bulk density of the compacted asphalt is closer to 2 tonne/m3 instead of 2.4 for dense grade asphalt with basalt aggregate. This equates closer to \$1000/tonne than the \$500 you have previously used. I'd pay more attention to the square metre rate which is what the coaters use. This rate is in the same ball park as the better coatings (on new work only).

regards Peter

Bicycle Strategy for Mittagong, Bowral and Moss Vale

Oct-08

Job No

Extract - North Shore Cycleway Report

North Sydney to Chatswood

Jun-03

Preliminary Cost Estimates

Section	Length (m)	New	1	New Jersey	Protective	Bridge	Retaining	Priority	Lighting	Signposting	Contin-	Total
		Pavement	Repairs	Barrier	Fence	Structures	Walls	Bicycle ntersection		and Linemarking	gencies	
Cost rate per linear metre		\$160	\$20	\$300	\$50	N/A	\$1,000		\$100	\$20	30%	
Warringah Expressway Corridor												
Falcon Street to Ernest Street ¹⁾	240		\$4,800	\$72,000	\$9,600	\$1,600,000				\$4,800	\$507,360	\$2,198,560
Ernest Street to Miller Street ⁷⁾	450		\$9,000	\$135,000	\$18,000	\$170,000				\$9,000	\$102,300	\$443,300
Miller Street to West Street ²⁾	250		\$5,000	\$75,000	\$10,000	\$1,000,000				\$5,000	\$328,500	\$1,423,500
West Street to Brook Street ³⁾	400	\$6,400	\$8,000	\$120,000	\$16,000	\$1,250,000		\$30,000		\$8,000	\$431,520	\$1,869,920
Brook Street to Merrenburn Avenue ⁴⁾	490		\$9,800	\$147,000	\$19,600					\$9,800	\$55,860	\$242,060
Subtotal Warringah Expressway Corridor	1,830	\$6,400	\$36,600	\$549,000	\$73,200	\$4,020,000	0\$	\$30,000	0\$	\$36,600	\$1,425,540	\$6,177,340
North Shore Railway Corridor												
Chelmsford Avenue to Burra Street ⁴⁾	810	\$129,600			\$40,500	\$800,000			\$81,000	\$16,200	\$320,190	\$1,387,490
Burra Street to Brand Street ⁵⁾	410	\$32,800	\$4,100		\$20,500	\$1,000,000			\$41,000	\$8,200	\$331,980	\$1,438,580
Brand Street to Mowbray Road ⁶⁾	350	\$56,000			\$17,500	\$420,000			\$35,000	\$7,000	\$160,650	\$696,150
Mowbray Road to Nelson Street	150	\$24,000			\$7,500		\$150,000	\$30,000	\$15,000	\$3,000	\$68,850	\$298,350
Nelson Street to Chatswood Oval Underpass	380	\$60,800			\$19,000		\$190,000		\$38,000	\$7,600	\$94,620	\$410,020
Subtotal North Shore Railway Corridor	2,100	\$303,200	\$4,100	0\$	\$105,000	\$2,220,000	\$340,000	\$30,000	\$210,000	\$42,000	\$976,290	\$4,230,590
GRAND TOTAL	3,930	\$309,600	\$40,700	\$549,000	\$178,200	\$6,240,000	\$340,000	\$60,000	\$210,000	\$78,600	\$78,600 \$2,401,830	\$10,407,930
Sources												

1) Rawlinsons (1999). Australian Construction Handbook. 17th edition. Figures increased by 4% per annum to 2003.

2) Jamieson Foley et al (1998). Two Regional Bicycle Routes. North Sydney to Chatswood. North Sydney to Macquarie. Final Report 3) Bridge cost estimates provided by Max Brand Consulting specifically for this project

1) Includes bridge structure over existing / modified northbound off-ramp; excludes realignment of pathway from Ridge Street

excludes realignment of pathway from Ridge Street

2) Includes bridge structure on southern apporach to West Street

3) Includes bridge structure over Brook Street on-ramp

4) Excludes works proposed under Lane Cove Tunnel project such as pathway north of Merrenburn Avenue, pathway south of Gore Hill Freeway, pedestrian bridge amplification at Willoughby Road excludes proposed modifications to Lane Cove Tunnel project at pedestrian overbridge and Chelmsford Avenue includes triple bridges at Park Street over "camel's humps"

5) Includes bridge structure at Brand Street

excludes works adjacent to Artarmon Railway Station

6) Includes bridge structure at Mowbray Road

7) Includes cut&civer tunnel at Millar Street off-ramp, as calculated by Jamieson Foley

Summary Table

				00	00	00	07	00	0	ı	06	30	09	09	07	<u>o</u>	
Total				\$2,198,560	\$443,300	\$1,423,50	\$1,869,920	\$242,060	\$6,177,340		\$1,387,490	\$1,438,58	\$696,150	\$298,350	\$410,020	\$4,230,590	,
Other	Costs			\$521,760	\$129,300	\$343,500	\$485,520	\$85,260	\$1,565,340		\$1,257,890	\$1,401,680	\$220,150	\$274,350	\$349,220	3,503,290	,
Bridge	Structures			\$1,600,000	\$170,000	\$1,000,000	\$1,250,000		4		₩	€9	\$420,000			\$420,000 \$3,503,290	
Pavement &	New Jersey Si	Barriers				\$80,000		\$156,800	\$592,000		\$129,600	\$36,900	\$56,000	\$24,000	\$60,800	\$307,300	,
Length (m)	· •			240	450	250	400	490	1,830		810	410	320	150	380	2,100	
Section			Warringah Expressway Corridor	Falcon Street to Ernest Street1)	Ernest Street to Miller Street7)	Miller Street to West Street2)	West Street to Brook Street3)	Brook Street to Merrenburn Avenue4)	Subtotal Warringah Expressway Corridor	North Shore Railway Corridor	Chelmsford Avenue to Burra Street4)	Burra Street to Brand Street5)	Brand Street to Mowbray Road6)	Mowbray Road to Nelson Street	Nelson Street to Chatswood Oval Underpass	Subtotal North Shore Railway Corridor	

Cost Comparison

Project	Cost / km	Cost / km	Cost / km	Relative	Length	Total Cost	
	(2008)	(2003)	(1998)	Costs			
Currently Preferred Route (North Shore Cycleway)	3,220,000	\$2,650,000		1.00			
Previously Preferred Route (North Shore Cycleway)	340,000	\$280,000	\$230,000	9.46		. •	
Western Sydney Orbital	1,520,000	\$1,250,000		2.12	40	\$ 50,000,000	
Bay Run Cycleway	1,300,000	\$1,070,000	\$880,000	2.48	7	\$ 7,490,000	
Strathfield to Eastwood (rail corridor)	490,000	\$400,000	\$325,487	6.63	80	\$ 3,200,000	
Parramatta to Liverpool (rail corridor)	850,000	\$700,000		3.79	17	\$ 11,900,000	
M4 Viaducts	2,640,000	\$2,170,000		1.22	9	\$ 13,020,000	
Prospect Cycleway	1,160,000	\$950,000		2.79			
M5 East Motorway	550,000	\$450,000	\$370,000	5.89	16	16 \$ 7,200,000	
Average	1,340,000	1,100,000	450,000				
CPI	4%						

Cost of Cut & Cover Tunnel at Miller Street off Ramp

Element	volume	unit	rate	cost
cut - 5m wide, 3m high, 15m wide (sandstone)	225 m3		120	\$27,000
cover - 5m long, 15m wide road bridge	75 m2		1380.4331	\$103,532
path - 3m wide, 15m long	15 m		160	\$2,400
approaches - 30m path each side	m 09		160	\$9,600
landscaping & miscellaneous	say			\$30,000
				\$172,532

Bicycle Strategy	
For Mittagong, Bowral and Moss Vale	
Appendix G - Picton to Mittago	NG KAIL I RAIL

Picton to Mittagong Rail Trail, NSW - Sample Project

Wollondilly Shire Council and Wingecarribee Shire Council Federal Electorate: Hume

The project

From Picton to Mittagong there exists a section of what used to be the main southern railway. This section has been by-passed by a newer straighter section of railway. The section from Picton to Thirlmere is still used by the Thirlmere Rail Museum to run Tourist Train excursions on an irregular basis. A short section of rail extends to Buxton. From there it continues on to Mittagong. Most of this section is still in good condition and without rail being in place. In this section is located what is believed to be the deepest railway cutting in Australia.



Recently the NSW Government allocated \$14.6 million to the museum to upgrade the facilities to enable the heritage rolling stock, including locomotive 3801, which is presently housed at Everleigh to be relocated to Thirlmere.

Wollondilly Shire Council has recently initiated a Cycle Tourism project and the Rail Trail will be a cornerstone of the initiative. Wingecarribee Shire Council has expressed interest in participating in the project.

The benefits

This Rail Trail will contribute to increased tourism numbers. Picton is in close proximity to Sydney - a short drive or train trip. Trains service both Picton and Mittagong. In addition the Rail Museum plans to increase the number of tourist trips to and from Sydney. Cycle tourism is a growing market, attracting local, national and overseas tourists. This project would form a critical section of a Sydney to Melbourne Cycling Route, and link into planned Tourist Rides within Wollondilly Shire.

The value to local communities of cycle tourism is well documented, and the Southern Highlands has much to offer. This project will provide the impetus to drive a healthy, non-polluting and enjoyable recreational activity that will enhance the local communities.

This project would provide incentive and momentum for the expansion of the cycle tourism network in both local government areas, creating a much needed boost to their economies.

Consultation and support

A local committee has been formed consisting of members of the local Chambers of Commerce, the Wollondilly Tourism Association, local cycling clubs, interested community members and a council representative. Discussions have commenced with the Thirlmere Rail Museum. Local Newspapers have publicised the initiative and community support is evident.

Costing

The proposal is for a 3m gravel pathway, separated by an appropriate fence from the active rail section, commencing at Picton and following the existing railway corridor. The length of the trail would be approximately 30km. The estimated cost of the project is \$5 million. This could be covered by a \$2million grant to each Council, with the communities to raise the additional funds.

