

Creating a great cycling environment requires ongoing effort. Securing funding partners, maintaining existing facilities, providing navigation tools, encouraging new riders, and advocating for change, all require resources. This appendix outlines Council's resource commitments to further these goals.

Appendix 5 outlines capital works actions to build new facilities that either extend or upgrade the bicycle network.

5.1 Funding bicycle projects

Appendix 5 outlines an ambitious capital works program. To deliver this, Council will need to form partnerships with public and private organisations that are prepared to either contribute to the cost of construction or build it on behalf of Council and the Moreland community.

Council will pursue the following actions to secure partners and funds for capital works projects:

Advocacy actions

Project ID	Project Description	Estimated Cost (\$,000's)	Estimated Staff Time cost (staff days/yr)	Responsibility
FP5	Use Council communication tools (websites, publications and media releases), and membership of advocacy groups, such as the Metropolitan Transport Forum (MTF) to encourage the state and federal governments to allocate additional funds to cycling infrastructure projects.	N/A	20	Councillors, Transport Team

One off activities

Project ID	Project Description	Estimated Cost (\$,000s)	Estimated Staff Time cost (days)	Responsibility
FP1	Amend the Moreland Planning Scheme to include a Development Contribution Plan Overlay to assist funding of new and upgraded local infrastructure based on the capital works program (including upgrades to the walking and cycling network). This project had commenced but was not completed when the Bicycle Strategy was adopted by Council.	1,000	100	Strategic Planning Team
FP2	Investigate options to secure rights of way for pedestrian and bicycle movements across land listed in the "land access" table below.	750	100	Engineering and Transport; Property Services

Ongoing activities

Project ID	Project Description	Estimated Annual Cost (\$,000s)	Estimated Staff Time cost (staff days/yr)	Responsibility
FP6	<p>Prepare submissions for state and federal government grants.</p> <p>Opportunities include:</p> <ul style="list-style-type: none"> State government grants to deliver VicRoads' SmartRoads projects; State government road safety programs; State and federal government programs to reduce greenhouse gas emissions; State and Federal government public health programs that encourage physical activity. 	N/A	10	Transport Team
FP3	<p>Work with the state government, freeway, major road, train, bus and tram operators to meet their responsibilities under the <i>Transport Integration Act 2010</i>. Identify bicycle network improvements all agencies can deliver as part of their capital works programs.</p>	N/A	10	Transport Team
FP4	<p>Explore opportunities to form partnerships with private companies as part of corporate social responsibility programs and partnerships.</p>	N/A	5	Transport Team

5.2 Land access

Council will negotiate with the landowners and managers of the following land parcels with an aim to secure access for the bicycle network improvements earmarked in development of this strategy:

Land Parcel	Project
Existing land leased from VicTrack for shared path use	Amalgamate several land agreements into a common lease
VicTrack managed land on the Western side of the Upfield Railway line (Park Street to Boundary Road)	Explore potential to create a continuous access path similar to the Upfield Shared Path on the Western side of the railway.
Privately owned residential land at 302-304 Barkly Street, Brunswick	Explore opportunities to widen and straighten the Upfield Shared Path and create a pedestrian refuge area for pedestrians accessing the railway crossing as part of redevelopment plans for the site.
16 Dawson Street, Brunswick (Brunswick Baths)	Widen the Upfield Shared Path to provide additional clearance around the heritage pedestrian bridge at the end of Phoenix Street.
319 Victoria Street -15 Merrifield Street, Brunswick (factory on north side of Victoria Street–Upfield Path intersection)	Straighten and widen the Upfield Shared Path to improve sightlines and eliminate the current dog leg turn.
Private properties abutting Upfield Path between Hope and Albion Streets, (28 Hope Street, 9 & 12 Duckett Street, 11 West Street, 7, 8 & 9 Florence Street, 216 Albion Street, Brunswick)	Explore the potential to widen the Upfield Path as part of any subdivision or development of these sites.
VicTrack land south of Moreland Road behind Brunswick Tram Depot (204 Moreland Road, Brunswick)	Ensure development plans for this site retain the Upfield Shared Path. Upgrade the path to 3m wide and improve access to Moreland Road-Cameron Street intersection pedestrian crossing lights.
VicTrack land north of Moreland Road, adjacent to Moreland Railway Station (1A Cameron Street, 239 Moreland Road, Coburg)	Ensure development plans for this site retain the Upfield Shared Path. Upgrade the path to 3m wide and retain access to Moreland Road-Cameron Street intersection pedestrian crossing lights.
Industrial land near Batman Railway Station (14-22 Gaffney Street, Coburg North)	Explore the potential to widen Upfield Shared Path by relocating existing property boundary fence.
Crown Land north of Sages Road, Fawkner managed by Melbourne Cemeteries Trust and Melbourne Water	Link the Upfield Shared Path to the Western Ring Road Trail.
VicTrack managed land on Eastern side of Upfield railway line (Park Street to Boundary Road)	Widen the Upfield Shared Path in selected locations and, where possible, construct bicycle bypass lanes around railway stations to improve pedestrian access to railway stations.
VicTrack managed land on the Eastern side of the Craigieburn Railway line (Gaffney Street to Western Ring Road)	Construct a new off-street shared path similar to the Upfield Shared Path on the Craigieburn railway line.
CityLink land under Brunswick Road–CityLink bridge – and 476 Brunswick Road (Reggio Calabria Club)	Construct a link between the Moonee Ponds Creek Trail, Park Street and former Commonwealth Games Village, which provides a more accessible alternative to the existing Union Street route.
CityLink land between Winona Grove and Hopetoun Avenue, Brunswick West. (near Moreland Road off-ramp)	Construct a Moreland Road intersection treatment for the Moonee Ponds Express Route and link this to Hopetoun Street.

Land Parcel	Project
CityLink land between Waxman Parade and Moonee Ponds Creek (land adjacent to 51 Waxman Parade) and Melbourne Water land between CityLink bridge and Hope Street, Brunswick West	Construct a link between Moonee Ponds Express Route and an access bridge to the existing Moonee Ponds Creek.
Australian Rail Track Corporation (ARTC) managed land in Glenroy	Investigate opportunities to create a low gradient access path between the Moonee Ponds Creek Trail and Glenroy Activity Centre, via the existing freight railway corridor and Kingsford Smith Ulm Reserve.
Privately owned undeveloped land in the vicinity of Karin Crescent and Augustine Terrace, Glenroy	Investigate opportunities to construct a low gradient access path between the Moonee Ponds Creek Trail and the Western Ring Road Trail, east of Jacana Station.
ARTC managed land in Gowanbrae and Tullamarine	Investigate opportunities to create a pedestrian and bike friendly link between Gowanbrae and Airport West-Westfield Shopping Centre. One possible alignment involves using land adjacent to the ARTC Albion Loop freight line going under Tullamarine Freeway and Melrose Drive, with a bridge at Westfield Drive, in the vicinity of the Caterpillar Australia factory.
Industrial buildings on north side of Dawson Street between Pearson and Grantham Streets (especially 140 Dawson Street, Brunswick)	Explore opportunities to create a pedestrian and cyclist link between Gilpin Reserve and Grantham Street as part of any future development on this land.
Residential land, part of the Merlynston Creek Overland flow between Bridges Avenue and Boundary Road. 1/18 Bridges Avenue, 10 & 33 Rollo Street, 30B Tonkin Avenue, 4 & 5 Shaw Court, 105 Boundary Road, Coburg North	Investigate opportunities to link land parcels with an access path.
Fawkner Cemetery	Negotiate thoroughfare access during cemetery opening hours: East-west from Upfield Shared Path to Middle Street; North-south along the western boundary to link Hadfield Road to proposed Merlynston Creek Path.
Edgars Creek Corridor (Merri Creek to Edwardes Lake) and the former Kodak Site at 173-199 Elizabeth Street, Coburg North.	Design and construct a bicycle route linking Reservoir and Coburg, providing a high quality lifestyle facility to coming residents of the old Kodak site redevelopment.
Industrial land on the east bank of Merri Creek between Coburg Lake and Queens Parade (Coburg Drive In and 105 Newlands Parade)	Construct walking and cycling paths along the eastern bank, which is above the flood level, and, in conjunction with existing paths, create recreational walking loops several kilometres long. Create links between employment centres and industrial areas of Coburg North and Reservoir.

5.3 Design Standards

Good networks come from good design. Council will pursue the following design-related initiatives.

Advocacy actions

Project ID	Project Description	Estimated Cost (\$,000s)	Estimated Staff Time cost (staff days/yr)	Responsibility
DS19	Work with VicRoads and the train operator to improve signals to co-ordinate boom gates and pedestrian signals so motorists receive a consistent message to stop, and when it is safe, to go.	N/A	2	Councillors, Transport Team
DS20	Work with VicRoads to reprogram traffic lights on key commuter cyclist routes so a cyclist riding at 20 km/h gets a wave of green lights as they head to and from the city.	N/A	1	Councillors, Transport Team
DS21	Work with VicRoads to reprogram traffic lights at key intersections on the walking and cycling network, to improve pedestrian and cyclist priority (shorter wait times for pedestrians and cyclists, and longer crossing times).	N/A	5	Councillors, Transport Team
DS22	Work with VicRoads to upgrade and reprogram traffic lights to add bicycle priority start lanterns on key on-road cycling routes.	N/A	2	Councillors, Transport Team
DS23	Work with VicTrack to develop a bicycle friendly railway crossing gate design that allows cyclists to ride over railway lines on off-street shared paths.	N/A	2	Councillors, Transport Team
DS24	Consult with VicRoads and Yarra Trams to ensure proposed super stop tram upgrades are designed in a way that accommodates cyclists riding past the stop. Designs that create squeeze points, which force motorists and cyclists to merge into a single lane to pass the stop should be avoided.	N/A	5	Councillors, Transport Team
DS25	Liaise with VicRoads to ensure future works to install bike lanes on VicRoads controlled roads is done in combination with changes to parking controls.	N/A	1	Councillors, Transport Team
DS26	Participate in practitioner debates about good shared path design standards – and trial designs that appear likely to improve rider comfort.	N/A	5	Transport Team

Project ID	Project Description	Estimated Cost (\$,000s)	Estimated Staff Time cost (staff days/yr)	Responsibility
DS27	Advocate for VicRoads and Austroads to amend standard bicycle design guidelines to better accommodate the needs of cargo bikes and bikes with trailers.	N/A	2	Transport Team
DS36	Advocate for the state government via the Minister for Planning to improve and strengthen state-wide planning provisions within the Moreland Planning Scheme, to ensure new urban developments achieve best practice environmental outcomes – reducing transport energy consumption.	N/A	10	Councillors, Strategic Planning Unit, Engineering and Transport Unit.
DS37	Advocate to VicRoads, the Department of Transport and others to either remove (or add public lighting near) bollards near the off-street path network.	N/A	2	Councillors, Strategic Planning Unit, Engineering and Transport Unit
DS38	Advocate to Melbourne Water to model the likely impacts of climate change on paths within the bicycle network	N/A	2	Councillors, Strategic Planning Unit, Engineering and Transport Unit

One-off activities

Project ID	Project Description	Estimated Cost (\$,000s)	Estimated Staff Time cost (staff days)	Responsibility
DS5	Audit all existing on-road bike lanes to identify areas where it is currently legal to park a car in the bike lane during high use periods. Update parking controls to encourage greater use of the bicycle lane.	2	10	Transport Team, Signs and Line Marking Works Team
DS32	Audit the existing off-street path network from a Crime Prevention Through Environmental Design perspective, with an aim of identifying capital works upgrades that will help address fear of crime concerns.	5	60	Transport Team, Engineering Project Design Team, Open Space Team
DS17	Update Moreland Technotes to recommend use of enhanced on-road line marking devices such as coloured lane treatments, vibraline, and tram delineators when designing new on-road bicycle lanes (or upgrading existing bike lanes). Include updated design in future contract specifications.	N/A	50	Engineering Project Design Team, Transport Team

Project ID	Project Description	Estimated Cost (\$,000s)	Estimated Staff Time cost (staff days)	Responsibility
DS28	Update Moreland Technotes to include designs for off-street paths that include treatments (such as different coloured and textured concrete) to delineate bicycle and pedestrian lanes. Include updated design in future contract specifications.	N/A	10	Engineering Project Design Team, Transport Team
DS29	Develop an urban design concept plan for the Upfield Shared Path Corridor to identify desired development outcomes for buildings surrounding the Upfield Shared Path.	N/A	200	Urban Design Team
DS31	Develop an Open Space Management plan for the Merri Creek and Western Ring Road Corridors, that includes shade rest and drink stops for cyclists and pedestrians.	N/A	200	Open Space Team

Ongoing activities

Project ID	Project Description	Estimated Annual Cost (\$,000s)	Estimated Staff Time cost (staff days/yr)	Responsibility
DS1	Ensure that new off-street path construction and path replacement projects specify the preferred construction method as concrete path with saw-cut joints.	N/A	2	Engineering Team (contract specifications)
DS2	Ensure that new off-street path construction and path replacement projects specify the preferred design to include: Gradients within Austroads 14 recommendations; Larger turning circles defined in Austroads 14 appendix C; Larger access gates, median islands and refuge areas; Larger vehicle dimensions and turning circle information as specified in Austroads 14 Appendix C. Consult with the community when proposed projects cannot meet these best practice guidelines.	N/A	20	Engineering Team,(project design) Engineering Team (contract specifications) Transport Team

Project ID	Project Description	Estimated Annual Cost (\$,000s)	Estimated Staff Time cost (staff days/yr)	Responsibility
DS3	Ensure that new off-street path construction and path replacement projects specify that paths be constructed to a standard capable of supporting a Council open space maintenance vehicle.	N/A	2	Engineering Team (contract specifications)
DS33	Ensure that new off-street path designs consider <i>crime prevention through environmental design</i> principles.	N/A	5	Engineering Project Design Team
DS34	Use landscape design and plant species selection to minimise off-street path maintenance requirements and preserve sightlines. This includes planting low ground cover plants near paths to minimise weed incursion, and locating trees away from paths to minimise root intrusion.	N/A	10	Open Space Team.
DS4	Change road rebuilding and road line-marking processes to include bicycle lanes where space permits. This process includes public consultation.	2	10	Asset Management, Transport Team
DS9	When designing LATM treatments for traffic calming use, seek designs that reduce motorised traffic speed and volumes, without affecting bicycle ride comfort (e.g. use partial road closures with <i>bicycles excepted</i> signs), such as roundabouts, planted median islands and constructed squeeze points. See Bicycle Victoria webpage: <i>Guidance for on-road facilities</i> at: http://www.bv.com.au/general/bike-futures/43830/ This design process includes public consultation.	3	20	Engineering Project Design Team, Engineering Team (Contract specifications) Transport Team
DS30	Address interface issues between the Upfield Shared Path and surrounding buildings as a part of rezoning requests and planning permit applications.	N/A	10	Strategic Planning Unit, Urban Development Unit.

5.4 End-of-Trip Facilities

An enjoyable cycling experience includes a secure place to store bikes and, in the case of longer trips, a place to freshen up at the end of the journey. Council will seek to provide these through the following actions.

Advocacy actions

Project ID	Project Description	Estimated Cost (\$,000s)	Estimated Staff Time cost (staff days/yr)	Responsibility
F12	Advocate for major shopping centres in the municipality to provide high quality bicycle parking facilities.	N/A	10	Transport Team, Economic Development Team
F19	Advocate to the Department of Education (and to the non-government school sector) to provide high quality bicycle parking facilities at schools.	N/A	5	Transport Team

One-off activities

Project ID	Project Description	Estimated Cost (\$,000s)	Estimated Staff Time cost (staff days)	Responsibility
F16	Record the location of existing bicycle parking hoops in the Council GIS to improve asset management, and as an aid to preparing cycling maps of the municipality.	N/A	20	Transport Team

Ongoing activities

Project ID	Project Description	Estimated Annual Cost (\$,000s)	Estimated Staff Time cost (staff days/yr)	Responsibility
F11	<p>Install 50 bicycle parking hoops each year. Priority will be given to locations that:</p> <ul style="list-style-type: none"> Receive, or are expected to receive, high cyclist volumes, Are within Council controlled land (such as footpaths or road reserves). 	10	20	Transport Team
F13	<p>Use the planning process to encourage developments within the City of Moreland that include:</p> <ul style="list-style-type: none"> Bicycle parking hoops for short term visitors; Secure weatherproof bicycle parking, and Shower facilities for employees, residents and long term visitors. 	N/A	100	ESD Team, Statutory Planning Team
F14	<p>Install kerb outstand bicycle parking in selected locations to provide additional bicycle parking in areas of high bicycle parking demand.</p> <p>This type of facility provides parking for 18 or more cyclists, in a space that was formerly used to park two cars.</p> <p>Examples of kerb outstand parking areas are located at Brunswick Baths and in Lygon St Carlton.</p>	10	10	Transport Team, Asset Management Team, Economic Development Team
F17	<p>Provide bicycle parking in residential nature strips as a commercial service to residents who request them.</p>	Resident to cover install costs	2	Transport Team
F15	<p>Retain a small stock (10 per year) of bicycle hoops for primary and secondary schools. Priority will be given to schools which:</p> <ul style="list-style-type: none"> Include walking and cycling promotion activities in the school curriculum; Are prepared to install and maintain bicycle hoops at the school's expense. 	2	10	Transport Team
F18	<p>Provide bicycle parking as a standard part of Council organised festivals.</p>	1	20	Works crews, Festival and Events Team.

Guidelines for installing on-road bicycle parking rails (bike corrals)

A bicycle corral is a bicycle parking facility that accommodates eight bikes and occupies approximately 13 square metres of road space, the same area as a car parking space. Bicycle corrals bolt into the street and can be quickly installed (or removed) without lasting damage to the road surface.



In selected locations, installing a bicycle corral can provide parking for more people than leaving the space available for car parking. In these locations, installing a bicycle corral represents a more efficient use of limited road space.

Providing bicycle parking on the street is a relatively novel concept and is likely to be an unexpected road feature for many motorists. To address this, a qualified traffic engineer will conduct a road safety audit of each proposed bicycle corral location. The engineer may recommend line marking, installation of reflective material, temporary kerbing or similar treatments as part of the corral. The engineer may even recommend the corral be moved to avoid a local traffic hazard.

Installing a bicycle corral creates a challenge for traditional street sweeping by Council vehicles. Council's automated street sweeping machines cannot access the drain behind the corral. This must be swept by hand. Council anticipates bicycle corrals to be most popular in business areas, and supported by businesses who wish to attract bicycle riding customers. As part of the public consultation prior to installing a bicycle corral, Council will seek an undertaking from a local trader to periodically sweep the area around the corral to limit debris build up.

The *bolt-in* construction of a bicycle corral gives Council the flexibility to change parking arrangements in response to changing land use. Council will monitor bicycle and car parking occupancy near bicycle corrals, with the aim of ensuring road space is being used effectively. If changing land uses result in a fall in bike parking demand, or a bicycle parking corral fails to achieve expected bicycle parking occupancy rates, the corral may be relocated. Similarly a bicycle corral may be relocated if it results in an unsightly build up of debris or obstruction to local drainage.

To summarise, bicycle corrals will be considered where:

- Bike parking demand is high, and installation of additional bicycle parking rails on the footpath is likely to adversely affect footpath trading uses;
- A road safety audit is completed, and the recommendations of the audit can be accommodated into the bicycle corral design;
- Installation of a bicycle corral is supported by local traders.
- Local traders agree to sweep the area between the bicycle parking rail and the kerb and accept that the rail may be removed if the accumulated debris adversely affects local drainage.

5.5 Maintaining the network

Attractive bicycle facilities require maintenance. Council will pursue the following actions to create a bicycle network that is pleasant and safe for cycling.

Advocacy actions

Project ID	Project Description	Estimated Cost (\$,000s)	Estimated Staff Time cost (staff days)	Responsibility
F112	Work with local landowners and artists to encourage high quality public art at key locations along the Upfield Shared Path and Craigieburn Express routes.	N/A (to be resourced from Public Art budget)	10	Public Art Team
F114	Encourage landowners, who are looking to redevelop along the Upfield, Craigieburn and Western Ring Road shared paths, to create buildings that positively interface with the paths.	N/A	10	Statutory Planning

One off activities

Project ID	Project Description	Estimated Cost (\$,000s)	Estimated Staff Time cost (staff days)	Responsibility
NM9	Negotiate a shared path service agreement with VicTrack to cover maintenance of land between the rail line and the Upfield Shared Path.	N/A	10	Transport Team
NM10	Negotiate a shared path service agreement with VicRoads to cover maintenance of land between the Craigieburn rail line and the Western Ring Road Trail.	N/A	10	Transport Team
NM11	Investigate the feasibility of developing a tool that allows path users to lodge a maintenance request, with photo, via a mobile phone.	N/A	100	Customer Service Team, IT Team

Ongoing activities

Project ID	Project Description	Estimated Annual Cost (\$,000s)	Estimated Staff Time cost (staff days pa)	Responsibility
NM8	Use Council's Customer Relationship System (CRS) to record, monitor and respond to bicycle asset management requests by local cyclists and other path users.	N/A	100	Transport Team, Works Team, Signs and Line Marking Team
NM1	Regularly sweep key bicycle routes.	25	50	Transport Team, Open Space Works Team, Street Cleansing Team
NM2	Prune and weed vegetation near paths to ensure it does not create a hazard for cyclists or pedestrians.	2	20	Open Space Works Team,
NM5	Allocate funds to perform on-road and off-street asset replacement works before the asset reaches the end of its asset life. (This is a \$50,000 p.a. budget allocation to perform replacement works and scheduled maintenance to existing bicycle infrastructure).	50	40	Asset Management Team
NM6	As part of regular Area Integrated Maintenance (AIM) maintenance activities, conduct a routine review of bicycle assets once every two years. Record asset condition in the database as an aid to predicting future capital works projects.	N/A	40	Works Crew
NM7	Maintain bicycle assets as part of general asset management (\$15,000 p.a. budget to address issues such as potholes and cracked concrete).	15	20	Works Crew
NM13	Provide clean-up materials to landowners facing the Upfield Shared Path and Craigieburn Express routes to remove unsightly graffiti tags.	N/A	10	Customer Service
NM12	Maintain and replace cycling signs as required, and in response to path changes, loss or damage.	2	10	Signs and Line Marking Team

5.6 Navigating the network

Central to lifting the participation rates of cycling in Moreland is the development of a navigation system that is easily understood by the most diverse range of users. The system needs to be legible, and on a human scale, to ensure easy navigation along all sections of the network. This will be delivered through the following actions.

One-off actions

Project ID	Project Description	Estimated Cost (\$,000s)	Estimated Staff Time cost (staff days)	Responsibility
WF1	Record the location of bicycle facilities in Council's GIS mapping system.	N/A	20	Asset Management GIS Officer, IT GIS Team
WF4	Design and print local access maps of all the major walking and cycling routes for the Brunswick, Coburg, Fawkner and Glenroy activity areas. These maps will depict points of interest for cyclists, including bicycle parking facilities and bicycle shops.	5	100	Transport Team, IT GIS Team
WF7	Design a <i>how to get here by bike or public transport</i> map for each of the three Council civic centres, five libraries and six leisure centres and pools. Use the map as a standard graphic on Council communication material (similar to Language Link).	Include in next update of Council business cards and letterhead	50	Transport Team, IT GIS Team, Communications Team.
WF28	Install directional signs on major bicycle routes to indicate the direction and distance to the nearest railway stations.	50	100	Transport Team, Signs and Line marking

Ongoing actions

Project ID	Project Description	Estimated Annual Cost (\$,000s)	Estimated Staff Time cost (staff days)	Responsibility
WF2	Use existing web based tools (such as http://www.bikely.com and Google maps) to promote existing and newly constructed bicycle routes.	N/A	10	Transport Team
WF3	Regularly update and reprint a map depicting all of the walking cycling and public transport routes in Moreland (Moreland TravelSmart maps).	5	40	Transport Team
WF26	Notify path users of temporary closures and detours via Council newsletters, web pages and on-site detour signage.	N/A	10	Transport Team
WF24	Host events, such as sod-turning and ribbon-cutting ceremonies and path opening rides, to publicise major upgrades to the bicycle network.	1	5	Transport Team, Mayor and Councillor Support Team, Communications Team
WF25	Promote extensions and upgrades to the bicycle network via Council newsletters, web pages and press releases.	Officer time	Ongoing	Transport Team, Communications Team
WF27	Update the GIS map of bicycle facilities on an annual basis to reflect changes and upgrades to the network.		10	Asset Management GIS Officer, Transport Team

5.7 Linking bicycle network to other transport networks

Bicycle facilities are part of a broader sustainable transport network, which includes public transport and car-share services. Council will pursue the following actions to make it easier for people to transfer to bicycle and other sustainable transport modes.

Advocacy actions

Project ID	Project Description	Estimated Cost (\$,000s)	Estimated Staff Time cost (staff days/yr)	Responsibility
LN1	Encourage car-share companies to provide vehicles capable of transporting bikes.	N/A	1	Councillors, Transport Team
LN2	Advocate for the Department of Transport (DOT) to change bus operating rules and allow passengers to carry a bike on a bus, and to encourage bus companies to use vehicles capable of transporting bikes.	N/A	10	Councillors, Transport Team
LN3	Advocate for DOT, VicRoads and tram operators to include bike parking as a part of the tram super stop upgrades – such as long term secure Parkiteer bicycle cages at tram terminus stations.	N/A	2	Councillors, Transport Team
LN4	Advocate for DOT, VicTrack and train operators to provide secure long term bicycle parking, such as Parkiteer bicycle cages – first at Glenroy and Coburg Stations, then at every railway station in Moreland.	N/A	10	Councillors, Transport Team

Ongoing activities

Project ID	Project Description	Estimated Annual Cost (\$,000s)	Estimated Staff Time cost (staff days/yr)	Responsibility
LN5	Install bicycle parking at or near car-share pods to encourage trips that include a bicycle leg and a car-share trip	1	1	Transport Team
LN6	Install bicycle parking hoops at or near selected bus stops, such as those on 903, the Orange Orbital SmartBus.	1	2	Transport Team
LN7	Install bicycle parking hoops at or near selected tram stops.	1	2	Transport Team
LN8	Install bicycle parking hoops at or near selected taxi ranks.	1	2	Transport Team
LN9	Provide information about folding bikes as part of Council's cycling promotion activities.	N/A	2	Transport Team

5.8 Promoting cycling

As an organisation, Council will work with other members of the Moreland community to create a culture that encourages more people to ride. Council will promote cycling through the following actions.

Ongoing actions

Project ID	Project Description	Estimated Annual Cost (\$,000s)	Estimated Staff Time cost (staff days)	Responsibility
PC1	Promote cycling and other sustainable travel behaviours with information stalls at Council organised festivals.	3	10	Transport Team
PC3	Host competitions that encourage people to cycle instead of drive.	2	10	Transport Team
PC4	Use Council website and other media opportunities to promote positive cycling messages.	N/A	15	Transport Team, Communications Team
PC5	Explore opportunities to promote cycling through Council's Arts and Culture programs.	N/A	5	Transport Team, Arts and Culture Team
PC6	Promote cycling as part of a physically active lifestyle using the Active Moreland brand.	N/A	2	Transport Team, Sport and Leisure Team
PC7	Promote the BikeEd program to primary and secondary school teachers, and support efforts made by schools to recruit, train and retain volunteers for BikeEd.	1	20	Transport Team
PC9	Support efforts by schools to recruit, train and retain volunteers for the Walking and Riding School Bus programs.	1	20	Transport Team
PC16	Support programs such as Kids – Go For Your Life and Bicycle Victoria's Ride2School programs via: Incentive prizes for schools that regularly host Active Travel Days; Media and officer time to promote the program to schools.	2	40	Transport Team, Communications Team
PC10	As part of Neighbourhood House programs, provide and promote training facilities for volunteers to conduct bicycle training for adults, such as learn to ride and bike maintenance.	N/A	1	Social Development Team
PC11	Host cycling proficiency classes for the general community in quiet off-streets areas.	1	10	Transport Team, Social Development Team

Project ID	Project Description	Estimated Annual Cost (\$,000s)	Estimated Staff Time cost (staff days)	Responsibility
PC14	Conduct surveys to identify the reasons why women, older people and others find the current cycling environment difficult, and identify council actions that could create a more supportive cycling environment.	N/A	5	Transport Team, Communication and Research Team
PC15	Promote cycling to existing women's community groups.	N/A	40	Transport Team
PC17	Develop specific programs designed to promote cycling to primary and secondary schools with culturally and linguistically diverse student populations.	N/A	10	Transport Team, Social Development, Communications Team
C7	Work with shopping centre trader groups to promote cycling as a convenient way to visit local shops.	N/A	10	Transport Team, Economic Development
C11	Promote and support bicycle themed cultural events, such as the Bicycle Film Festival.	N/A	2	Transport Team, Communications Team

5.9 Creating safety

Advocacy actions

Project ID	Project Description	Estimated Cost (\$,000s)	Estimated Staff Time cost (staff days)	Responsibility
C16	Advocate to reduce the maximum speed on all Victorian local roads to 40 km/h and collector roads to 50 km/h. This will reduce road trauma and create a safer local road environment.	N/A	10	Councillors, Transport Team
C18	Encourage VicTrack and train operators to install public lighting along access paths to each railway station along the Upfield (and Craigieburn Express) paths. Public lighting should light shared paths to AS1158.1 standard or greater.	N/A	50	Councillors, Transport Team

Ongoing actions

Project ID	Project Description	Estimated Annual Cost (\$,000s)	Estimated Staff Time cost (staff days)	Responsibility
C13	Promote the <i>Shared Path Code of Conduct</i> using the Council website and other media.	N/A	2	Transport Team, Communications Team
C14	As part of media activities, Council will promote road safety messages, such as: Use of bicycle helmets and lights Share the road – Look Bike	N/A	10	Transport Team, Communications Team
C15	Review crash data to identify cyclist black spots, prioritise on-road bicycle infrastructure treatments, and advocate for funds under the VicRoads Black Spot program.	N/A	2	Transport Team
C17	Use path count data to identify heavy use paths, and review path design options to provide separation between cyclists and pedestrians, where possible.	N/A	5	Transport Team

5.10 Research and reporting

Through research and monitoring, Council and the Moreland cycling community can measure progress towards joint goals. By reporting achievements to the community, Council becomes more accountable, and can celebrate shared successes with the community.

One-off actions

Project ID	Project Description	Estimated Cost (\$,000s)	Estimated Staff Time cost (staff days)	Responsibility
RR1	Conduct a sports cycling needs analysis to inform Council's investment in off-road recreational cycling infrastructure and events, including velodromes, BMX and skate parks, unsealed trails suitable for mountain bike/BMX cross-country riding.	5	4	Sport and Leisure
RR2	Review current on-road bicycle lane barrier and line marking treatments to identify preferred treatments for new on-road bicycle lanes. Preferred treatments should be in accordance with Melbourne-wide standards to improve path legibility.	N/A	2	Transport Team
RR9	Install 10 bicycle data logging machines in selected off-road shared path locations to better understand how shared paths are used and to estimate weekend cycling use.	60	20	Transport Team

Ongoing actions

Project ID	Project Description	Estimated Annual Cost (\$,000s)	Estimated Staff Time cost (staff days)	Responsibility
RR3	Conduct annual bicycle counts to count the number of cyclists travelling through an intersection including: A morning survey – a short duration survey over many sites; An Upfield line corridor survey – a longer duration survey at select sites.	5	5	Transport Team
RR4	Include in the annual resident satisfaction survey, specific questions relating to cycling.	N/A	1	Communications and Research Team
RR5	Make bicycle count information available for interested parties via Council's website.	N/A	5	Transport Team

5.11 Review and update this strategy

Council will report on cycling activity using its own data collection and data collected from other sources in the following ways:

One-off actions

Project ID	Project Description	Estimated Cost (\$,000s)	Estimated Staff Time cost (staff days)	Responsibility
RR3	Review the <i>Moreland Bicycle Strategy</i> in the 2015 financial year.	10	50	Transport Team
RR4	Replace the <i>Moreland Bicycle Strategy</i> in 2020.	15	100	Transport Team, Communications Team, Councillors

Ongoing actions

Project ID	Project Description	Estimated Annual Cost (\$,000s)	Estimated Staff Time cost (staff days)	Responsibility
RR1	Produce an annual report showing: Progress in bicycle strategy actions; Cycling rates in Moreland; Demographic information about who is cycling and how often; Travel modes; Comparisons with other municipalities; Inspirational case studies.	5	20	Transport Team, Communications Team