Suburban Centres Cycle Network Planning

Kilbirnie Blueprint

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Contents

1 Introduction 1
1.1 Project Objective 1
1.2 Report Content 1
1.3 Project Area 1

2 Engagement 2

3 Identified Potential Cycle Improvements 3
3.1 Route A 4
3.2 Route B 5
3.3 Route C 6
3.4 Route D 7
3.5 Route E 8
3.6 Route F 9
3.7 Route G 10
3.8 Route H 11
3.9 Route I 12
3.10 Route J 13
3.11 Improvement Types 14

4 Priorities 15
4.1 Criteria 15
4.2 Ranking 15

5 Summary 16

Appendix A – Cycle Network Blueprint 17

Appendix B – Priority Calculations 18

Appendix C – CAS Data 19

1 Introduction

Opus International Consultants Ltd was commissioned by Wellington City Council to prepare a Cycle Network Blueprint for the Kilbirnie Suburban Centre.

1.1 Project Objective

The objective of this project was to create a suburban cycle network blueprint for Kilbirnie by engaging with key stakeholders and the local community to identify key routes for development in the long term. It should be acknowledged that this report is a snapshot in time and will be subject to change as demands and land-use patterns change.

1.2 Report Content

This report documents the outcomes of the Kilbirnie Suburban Centre Cycle Network Blueprint project and includes the following information:

- Engagement – a high level summary of the engagement undertaken.
- The Blueprint – a description of and justification for the identified potential routes.
- Priorities – a prioritisation of the potential routes.
- Summary – a summary of the outcomes of the project.

1.3 Project Area

The project area is shown in Figure 1 below.

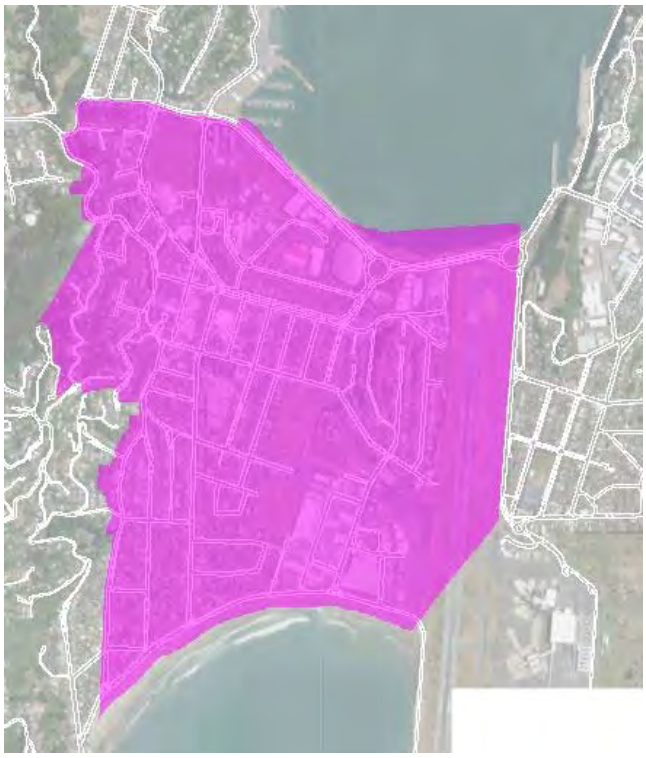


Figure 1: Study Area

2 Engagement

Community engagement was carried out by Opus International Consultants Ltd on behalf of Wellington City Council regarding cycle network planning for the Kilbirnie and Miramar suburban areas. The aims of the engagement were to:

- Seek public feedback on priorities and views on developing any new cycle facilities.
- Engage with key stakeholders in order to understand current needs and expectations of the future.
- Provide feedback on the benefits and issues of potential upgrades to feed into the overall evaluation.

Engagement methods used included:

- Initial design workshop with Wellington City Council.
- Face-to-face meetings and workshops with stakeholder and community groups.
- Two public open days, held within the two suburban neighbourhoods.

Using interactive media, feedback from both the open days and the community workshops was captured on large maps of the area, and provided directly to the design team. Discussions held at these meetings and open day events raised some key themes, such as:

- The need for increased safety (and feelings of safety) by physical separation from vehicles.
- Better clarity of the rights of cyclists to use different routes (i.e. shared paths, cycle lanes, and off-road routes).
- Cobham Drive and Crawford Road were mentioned several times at different events as key areas on the existing network that needed improvements.

Attendees at the open days, and to some extent at community meetings/workshops tended to be people who were already active recreational or commuter cyclists, and people who already had strong opinions about the value of cycling and active transport.

A comprehensive report on the community engagement has been prepared titled *Community Engagement Feedback: Kilbirnie Suburban Centre Cycle Network Planning.*

3 Identified Potential Cycle Improvements

The following potential cycle routes identified by the community form the network Blueprint for Kilbirnie. The overall Blueprint and the existing typical cross sections along each of these routes are shown in Appendix A. The colour of each route is just to distinguish between routes.

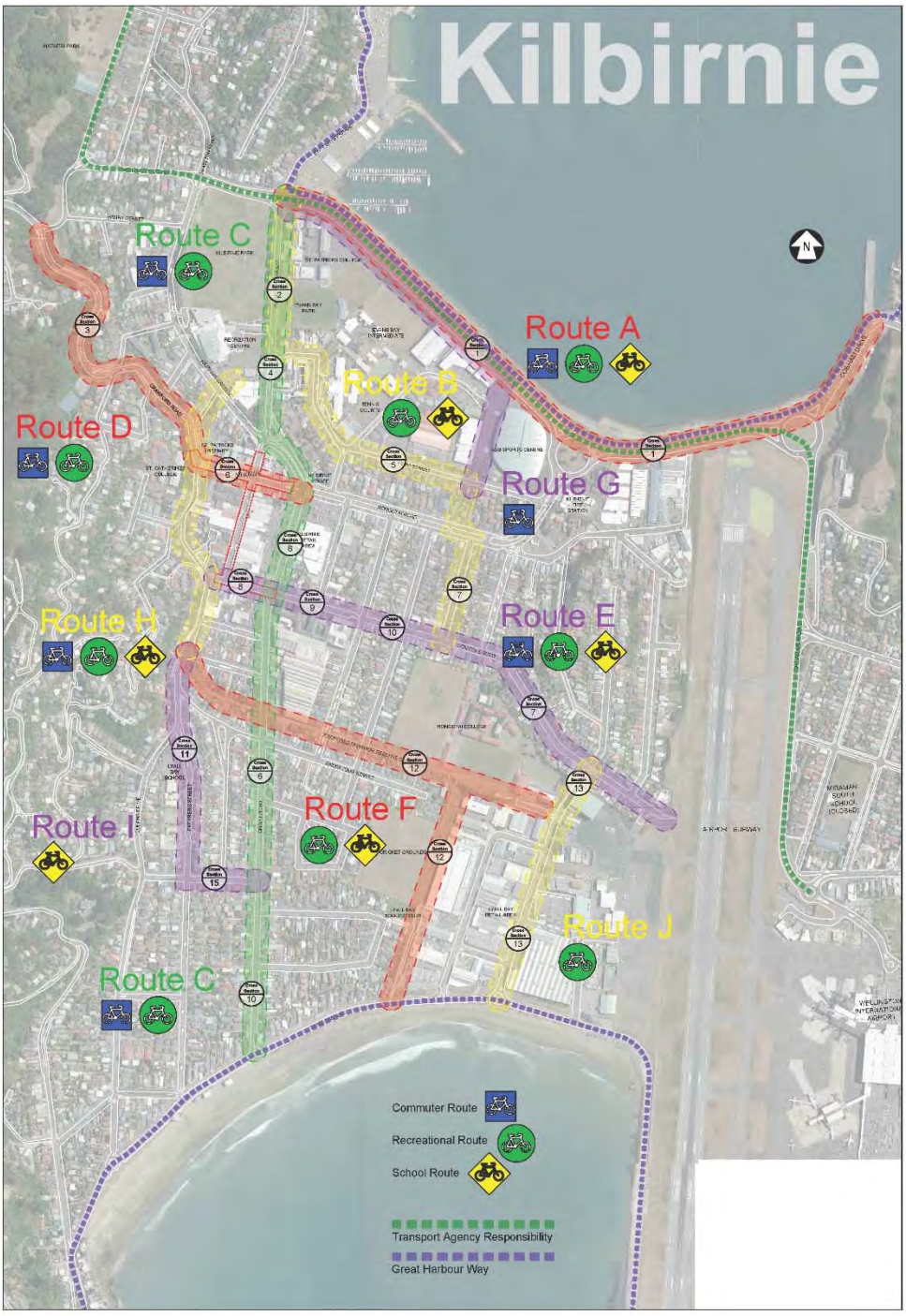


Figure 2: Cycle Network Blueprint

3.1 Route A

Description

North-side of Cobham Drive from Evans Bay Parade to Miramar Avenue.

Reason for Selection

Existing high demand route, one of two routes between Miramar Peninsula and the city, part of the great harbour way.

Alternative Routes Considered

South-side of Cobham Drive, not chosen due to safety concerns around the roundabouts.

Target Audience

School, Recreational and Commuter Cyclists.

Potential Impact on corridor

Reduction in landscaped berm.

Traffic Volumes / Cycle Crash History

~35,000 vpd/ six recorded cycle crashes between 2004 and 2013 (refer Appendix C).

3.2 Route B

Description

Evans Bay Parade, Tacy Street, Kemp Street, Te Whiti Street.

Reason for Selection

Existing route. Key link between Airport Tunnel, Evans Bay Intermediate, Kilbirnie Recreational Centre, ASB Sports Centre, Rongotai College and St Patricks College.

Alternative Routes Considered

None.

Target Audience

School and Recreational Cyclists.

Potential Impact on corridor

Reduction in road / footpath width, loss of parking / loss or park on Evans Bay Parade, reduction in grass berm.

Traffic Volumes / Cycle Crash History

1,000 – 7,000 vpd/ three recorded cycle crashes between 2004 and 2013 (refer Appendix C).

3.3 Route C

Description

Evans Bay Parade and Onepu Road.

Reason for Selection

Direct north-south through route, captures other routes along its length and ties into the Great Harbour Way route at both the north end and south end.

Alternative Routes Considered

- Kilbirnie Crescent – not selected due to likely Bus Rapid Transit improvements along that link, would be reliant on NZTA improvements on Wellington Road, doesn't connect directly to a city bound route (other than the Mt Victoria Tunnel via Hamilton Road).
- Freyberg Street / Queens Drive – not selected due to less direct route, higher elevation, less connectivity.

Target Audience

Recreational and Commuter Cyclists.

Potential Impact on corridor

Reduction in road width, loss of parking / loss of park on Evans Bay Parade, removal of median and reduction in grassed berm.

Traffic Volumes / Cycle Crash History

6,000 – 9,000 vpd/ nine recorded cycle crashes between 2004 and 2013 (refer Appendix C).

3.4 Route D

Description

Crawford Road and a section of Rongotai Road.

Reason for Selection

Existing high demand commuter route, multiple safety concerns, one of three routes connecting the eastern suburbs and the city.

Alternative Routes Considered

None.

Target Audience

Recreational and Commuter Cyclists.

Potential Impact on corridor

Removal of median islands, reduction in road width. Potential parking impact.

Traffic Volumes / Cycle Crash History

8,000 – 13,000 vpd/ no recorded cycle crashes on route but eight recorded cycle crashes at roundabout with Wellington Road between 2004 and 2013 (refer Appendix C).

3.5 Route E

Description

Coutts Street.

Reason for Selection

Existing high demand route, one of two routes between Miramar Peninsula and the city, connects other cycle routes, connects Kilbirnie town centre.

Alternative Routes Considered

Rongotai Road – not selected as less direct.

Target Audience

School, Recreational and Commuter Cyclists.

Potential Impact on corridor

Reduction in road / footpath width, loss of parking, removal of painted median.

Traffic Volumes / Cycle Crash History

1,000 – 5,000 vpd/ three recorded cycle crashes between 2004 and 2013 (refer Appendix C).

3.6 Route F

Description

Drainage Reserve.

Reason for Selection

Key route identified by Council, connects key destinations, opportunity to increase number of cyclists.

Alternative Routes Considered

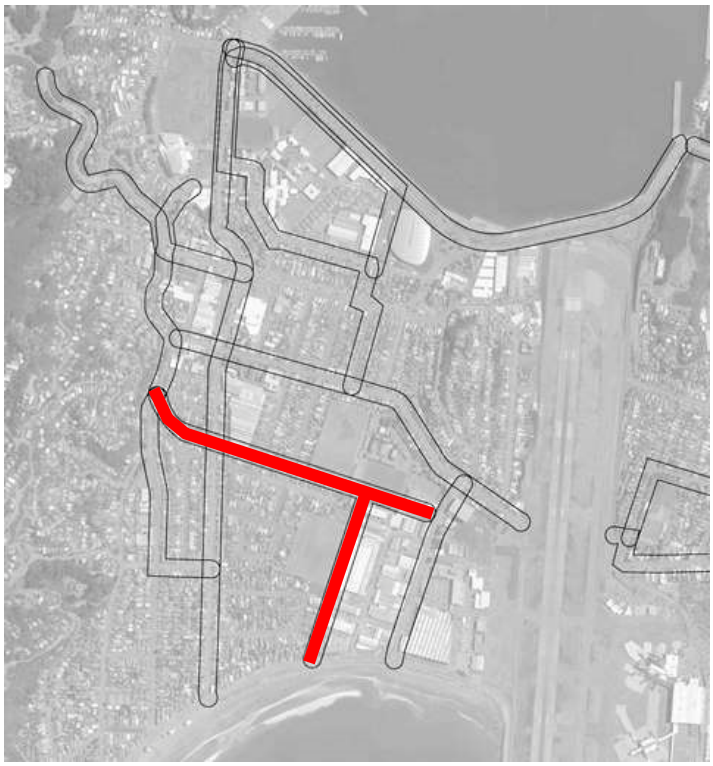
None.

Target Audience

School and Recreational Cyclists.

Potential Impact on corridor

Creation of off-road path and park space.



Traffic Volumes / Cycle Crash History

Not applicable.

3.7 Route G

Description

South-side of Cobham Drive connecting to ASB sports centre.

Reason for Selection

To provide a direct link from existing path network to Evans Bay Parade route for commuters.

Alternative Routes Considered

Route B – both included.

Target Audience

Commuter Cyclists.

Potential Impact on corridor

Minimal.

Traffic Volumes / Cycle Crash History

~35,000 vpd / one recorded cycle crash between 2004 and 2013 (refer Appendix C).

3.8 Route H

Description

Childers Terrace.

Reason for Selection

Connects the drainage reserve (Route F), Freyberg Street (Route I), Coutts Street (Route E) and Crawford Road (Route D) with the Kilbirnie town centre and the Kilbirnie Recreation Centre and sports grounds.

Alternative Routes Considered

None.

Target Audience

School, Recreational and Commuter Cyclists.

Potential Impact on corridor

Loss of parking.

Traffic Volumes / Cycle Crash History

1,000 – 7,000 vpd/ no recorded cycle crashes between 2004 and 2013 (refer Appendix C).

3.9 Route I

Description

Freyberg Street.

Reason for Selection

Link to school, north-south alternative to Onepu Road (Route C).

Alternative Routes Considered

Route C – both included.

Target Audience

School Cyclists.

Potential Impact on corridor

Reduction in road / footpath width, loss of parking.

Traffic Volumes / Cycle Crash History

1,000 – 5,000 vpd/ no recorded cycle crashes between 2004 and 2013 (refer Appendix C).

3.10 Route J

Description

Tirangi Road.

Reason for Selection

Key connection to Lyall Bay Retail Area, and beach area. Connects with Coutts Street (Route E) and Drainage Reserve (Route F).

Alternative Routes Considered

Drainage Reserve (Route F) – both included.

Target Audience

Recreational Cyclists.

Potential Impact on corridor

Reduction in road / footpath width, removal of painted median.

Traffic Volumes / Cycle Crash History

4,000 – 6,000 vpd/ no recorded cycle crashes between 2004 and 2013 (refer Appendix C).

3.11 Improvement Types

The following improvement types may be considered for each of these routes:

- Shared Path
- On-Road Cycle Lanes
- Protected Cycle Lanes
- Improved Signs and Markings
- Slow zones.

4 Priorities

To assist Wellington City Council with sequencing and seeking funding the following prioritisation process has been identified.

4.1 Criteria

The following Criteria have been identified, and each route has been scored on a 10 point scale as shown in Table 1 below.

Table 1: Priority Ranking Criteria

Criteria	Weighting	Comments
Existing Facility	15%	10 points if no existing facility, 0 points if existing facility.
Existing Demand	15%	Subjective assessment of existing demand based on feedback and counts; 0 = low demand, 10 = high demand.
Safety Issues	20%	Subjective assessment of current safety based on feedback and reported crash history; 0 = low risk, 10 = high risk.
Potential Demand	15%	Subjective assessment of potential demand based on feedback and counts; 0 = low demand, 10 = high demand.
Buildability	15%	Subjective assessment of buildability of potential improvements; 0 = complex, 10 = simple.
Community Impact	20%	Subjective assessment of community impact (parking / loss of recreation space) of potential improvements; 0 = high, 10 = low.

4.2 Ranking

The priority order of the routes identified in the blueprint are listed below with further detail shown in Appendix B.

1. Route C – Onepu Road & Evans Bay Parade and Route D – Crawford Road
2. Route H – Childers Terrace
3. Route A – Cobham Drive North Side and Route E – Coutts Street
4. Route G – Cobham Drive South Side
5. Route I – Freyberg Street and Route J – Tirangi Road
6. Route B – Kemp Street & Te Whiti Street

5 Summary

This Cycle Network Blueprint for the Kilbirnie Suburban Centre has identified a proposed prioritised network of routes for cycle improvements based on community engagement and network planning principles. This information will be used by the Council to select routes for the next stage of development. This will include further engagement, identification of specific improvements and effects.

Appendix A – Cycle Network Blueprint

Kilbirnie

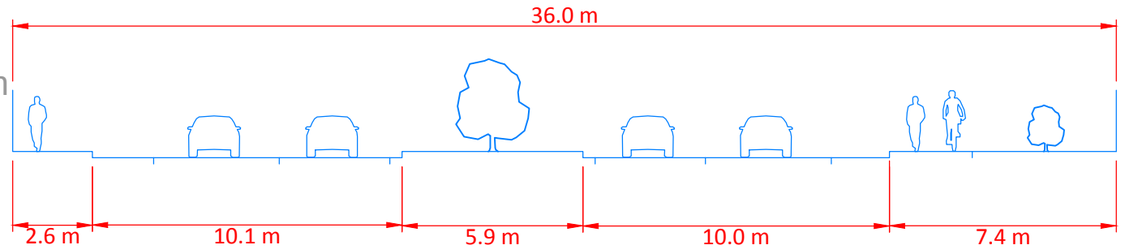
HATAITAI PARK
WELLINGTON ROAD
HAMILTON ROAD
EVANS BAY PARADE
HENRY STREET
KILBIRNIE PARK
ST. PATRICKS COLLEGE
EVANS BAY PARK
EVANS BAY INTERMEDIATE
RECREATION CENTRE
KILBIRNIE CRESENT
GRAMFORD ROAD
TENNIS COURTS
ASB SPORTS CENTRE
COBHAM DRIVE
ST. PATRICKS PRIMARY
ST. CATHERINES COLLEGE
KILBIRNIE POLICE
KILBIRNIE RETAIL AREA
RONGOTAI ROAD
KILBIRNIE FIRE STATION
COUTTS STREET
RONGOTAI COLLEGE
PROPOSED DRAINAGE RESERVE
ENDEAVOUR STREET
LYALL BAY SCHOOL
FREYBERG STREET
QUEENS DRIVE
ONEPU ROAD
CRICKET GROUNDS
AIRPORT SUBWAY
MIRAMAR SOUTH SCHOOL (CLOSED)
LYALL BAY BOWLING CLUB
LYALL BAY RETAIL AREA
LYALL PARADE
CAMBRIDGE ROAD
WELLINGTON INTERNATIONAL AIRPORT
N

Route A
Route B
Route C
Route D
Route E
Route F
Route G
Route H
Route I
Route J

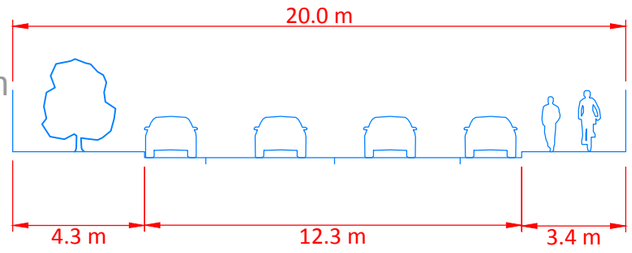
Cross Section 1
Cross Section 2
Cross Section 3
Cross Section 4
Cross Section 5
Cross Section 6
Cross Section 7
Cross Section 8
Cross Section 9
Cross Section 10
Cross Section 11
Cross Section 12
Cross Section 13
Cross Section 15

Commuter Route
Recreational Route
School Route
Transport Agency Responsibility
Great Harbour Way

Cross Section 1



Cross Section 2



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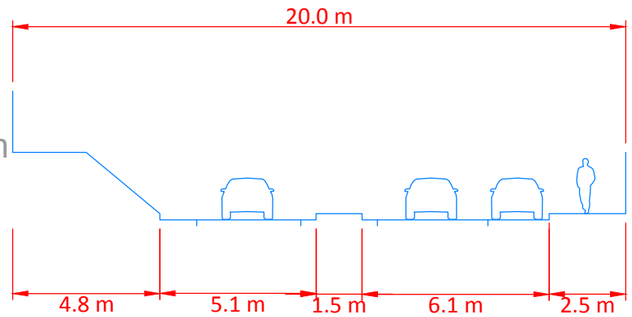

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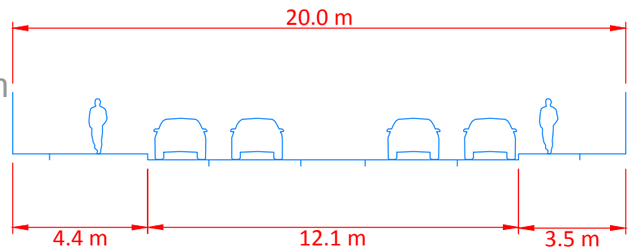

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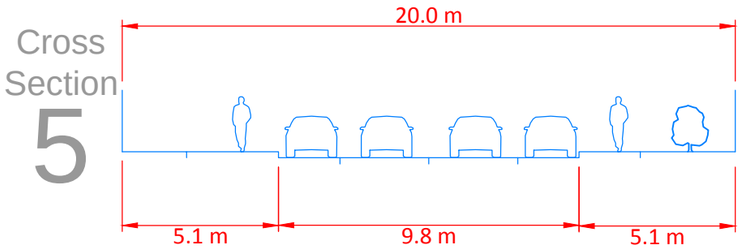

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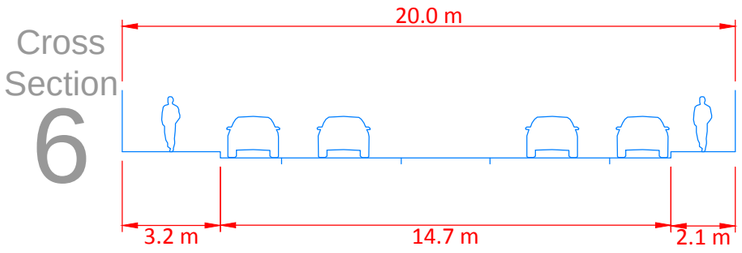
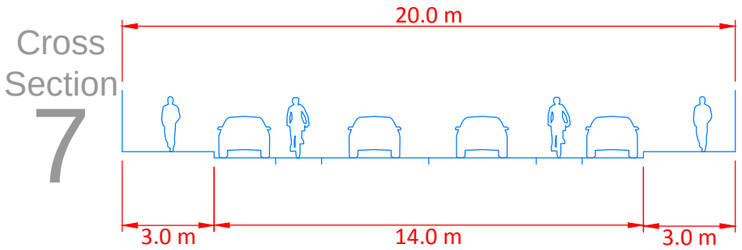
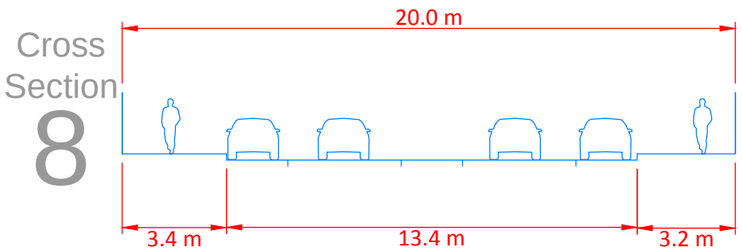


Cross Section 7

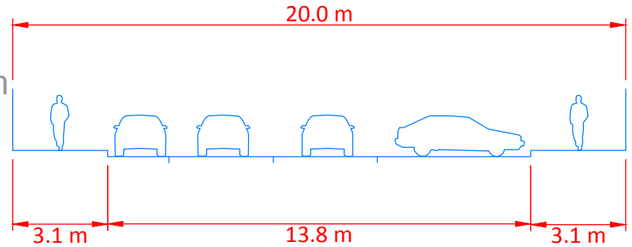


Cross Section 8

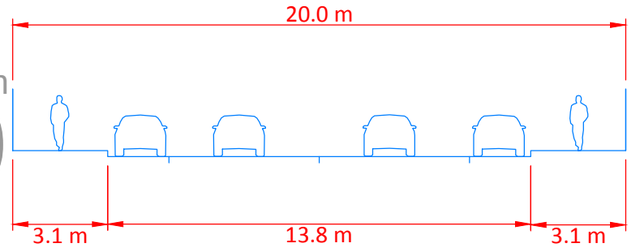


Kilbirnie

Cross Section 9



Cross Section 10



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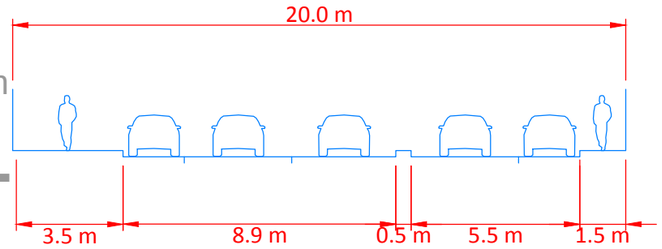

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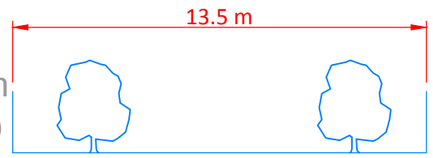
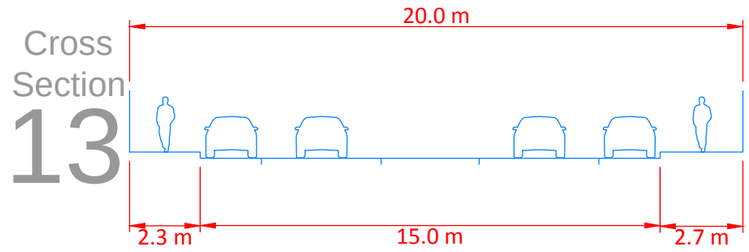
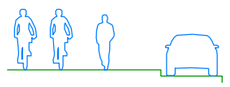


Cross Section 13



Potential Improvement Cross-sections

Shared Path



On-Road Lanes

Protected Lane

Kilbirnie

Appendix B – Priority Calculations

Kilbirnie Route Prioritisation

#	Description	Existing Facility		Existing Demand		Safety Issues		Potential Demand		Buildability		Community Impact		Weighted Score	Rank
	Weighting:	**15%**		**15%**		**20%**		**15%**		**15%**		**20%**		TRUE	
A	Cobham Drive - North Side	Y	0	High	10	Low	0	High	10	Medium	5	Low	10	5.75	**3=**
B	Kemp Street & Te Whiti Street	Y	0	Medium	5	Low	0	Medium	5	Medium	5	Medium	5	3.25	**6**
C	Onepu Road & Evans Bay Parade	N	10	High	10	High	10	High	10	Medium	5	Medium	5	8.25	**1=**
D	Crawford Road	N	10	High	10	High	10	High	10	Medium	5	Medium	5	8.25	**1=**
E	Coutts Street	Part	5	High	10	High	10	High	10	Complex	0	High	0	5.75	**3=**
F	Drainage Reserve	*Committed Capital Funding*													
G	Cobham Drive - South Side	N	10	Low	0	Low	0	Low	0	Simple	10	Low	10	5	**4**
H	Childers Terrace	N	10	High	10	Low	0	High	10	Simple	10	Low	10	8	**2**
I	Freyberg Street	N	10	Low	0	Low	0	Medium	5	Complex	0	Low	10	4.25	**5=**
J	Tirangi Road	N	10	Low	0	Low	0	Medium	5	Complex	0	Low	10	4.25	**5=**

Note: this prioritistion is subject to change following further refinement of the blueprint 8/08/2014

Appendix C – CAS Data


2813940
2652123
2755054
2814030
201212644
201312022
201154515
2512558
2754842
201012218
201113136
2813648
2611141
201111914
2713901
201112945
2912918
2911723
2812667
2513652
2611265
2613760
2513669
201311993
2911348
201212645
201353767
201324333
201352243
2911406
201211879
OTHER
OTHER
2653560
2511552
2711642
2612139
2712972
2412692
2452474
201212422
2513187
201311966
2912629
2613590
2850573
2711392
2711397
2913285

First Street	Distance	C I R	Second street or landmark	Crash Number	Date DD/MM/YYYY	Day DDD	Time HHMM	Description of Events	Crash Factors (ENV = Environmental factors)	Road	Natural Light	Weather	Junction	Cntrl	Tot Inj F A T	S E R	M I N
BAY ROAD		I	RONGOTAI ROAD	2511552	19/03/2005	Sat	1730	CYCLIST1 (Age 46) NBD on BAY ROAD sideswiped by CAR2 turning left	CAR2 didn't signal when turning left, didnt see/look behind when changing lanes, position or direction	Dry	Bright	Fine	X Type Junction	Traffic Signal			1
COUTTS ST		I	MAHORA ST	201211879	09/05/2012	Wed	1750	CAR2 turning right hit by oncoming CYCLIST1 (Age 16) EBD on MAHORA ST	CYCLIST1 cyclist or m/cyclist wearing dark clothing CAR2 failed to give way when turning to non-turning traffic, didnt see/look when required to give way to traffic from another direction	Wet	Dark	Light Rain	T Type Junction	Give Way Sign			1
COUTTS ST		I	SALEK ST	201311966	20/05/2013	Mon	0730	CYCLIST1 (Age 33) EBD on COUTTS ST hit CAR2 merging from the left	CAR2 failed to give way to traffic approaching/crossing from the right, didnt see/look when required to give way to traffic from another direction	Dry	Overcast	Fine	T Type Junction	Nil			1
COUTTS ST		I	SALEK ST	2711642	07/02/2007	Wed	1750	CAR2 turning right hit by oncoming CYCLIST1 (Age 42) EBD on COUTTS ST	CAR2 failed to give way when turning to non-turning traffic, didnt see/look when required to give way to traffic from another direction	Dry	Bright	Fine	T Type Junction	Nil			1
CRAWFORD ROAD		I	WELLINGTON ROAD	201352243	25/06/2013	Tue	1200	CYCLIST1 SBD on CRAWFORD ROAD hit CAR2 merging from the left	CAR2 failed to give way at give way sign, didnt see/look when required to give way to traffic from another direction	Dry	Bright	Fine	Roundabo	Give Way Sign			
CRAWFORD ROAD		I	WELLINGTON ROAD	201212644	10/07/2012	Tue	1745	CAR2 turning right hit by oncoming CYCLIST1 (Age 24) EBD on CRAWFORD ROAD	CAR2 failed to give way at give way sign, didnt see/look when required to give way to traffic from another direction	Dry	Dark	Fine	Roundabo	Give Way Sign			1
CRAWFORD ROAD		I	WELLINGTON ROAD	2813648	07/12/2008	Sun	1828	CYCLIST1 (Age 28) EBD on CRAWFORD ROAD hit SUV2 turning right onto CRAWFORD ROAD from the left	SUV2 failed to give way at give way sign, didnt see/look when required to give way to traffic from another direction	Dry	Bright	Fine	Roundabo	Give Way Sign	1		
CRAWFORD ROAD		I	WELLINGTON ROAD	2611141	14/01/2006	Sat	1503	CYCLIST1 (Age 19) SBD on CRAWFORD ROAD hit CAR2 merging from the left	CAR2 failed to give way at give way sign, didnt see/look when required to give way to traffic from another direction	Dry	Bright	Fine	Roundabo	Give Way Sign			1
CRAWFORD ROAD		I	WELLINGTON ROAD	201311993	27/05/2013	Mon	1738	CYCLIST1 (Age 28) SBD on CRAWFORD ROAD hit VAN2 turning right onto CRAWFORD ROAD from the left	VAN2 failed to give way at give way sign, attention diverted by other traffic	Wet	Dark	Light Rain	Roundabo	Give Way Sign			1
DUNCAN TERRACE	100	N	RODRIGO ROAD	2412692	31/08/2004	Tue	0825	VAN1 SBD on DUNCAN TERRACE swinging wide hit CYCLIST2 (Age 24) head on	VAN1 attention diverted by driver dazzled by sun/lights CYCLIST2 too far left/right, inattentive ENV: dazzling sun	Dry	Bright	Fine	Unknown	Nil			1
ENDEAVOUR ST		I	YULE ST	201212422	27/08/2012	Mon	2133	CYCLIST1 (Age 40) EBD on ENDEAVOUR ST hit CAR2 turning right onto ENDEAVOUR ST from the left	CAR2 alcohol test above limit or test refused, failed to give way at give way sign, didnt see/look when required to give way to traffic from another direction	Dry	Dark	Fine	X Type Junction	Give Way Sign			1
EVANS BAY PARADE	25	S	KEMP ST	2653560	16/07/2006	Sun	1529	CYCLIST1 (Age 37) NBD on EVANS BAY PARADE hit turning CAR2	CYCLIST1 driving or riding on footpath CAR2 failed to give way at driveway ENV: entering or leaving private house / farm	Dry	Bright	Fine	Driveway	Nil			
EVANS BAY PARADE	50	S	WELLINGTON ROAD	2911723	18/03/2009	Wed	0751	CYCLIST1 (Age 38) SBD on EVANS BAY PARADE hit parked veh, CYCLIST1 hit Vehicle	CYCLIST1 lost control avoiding another vehicle, attention diverted by scenery or persons outside vehicle	Dry	Bright	Fine	Unknown	Nil			1

First Street	Distance	C I R	Second street or landmark	Crash Number	Date DD/MM/YYYY	Day	Time HHMM	Description of Events	Crash Factors (ENV = Environmental factors)	Road	Natural Light	Weather	Junction	Cntrl	Tot Inj F A T	S E R	M I N
EVANS BAY PARADE	100	S	WELLINGTON ROAD	201212645	14/09/2012	Fri	1920	CAR2 turning right hit by oncoming CYCLIST1 (Age 53) SBD on EVANS BAY PARADE	CYCLIST1 too fast on straight CAR2 failed to give way when turning to non-turning traffic, didnt see/look when required to give way to traffic from another direction ENV: entering or leaving other non-commercial	Wet	Dark	Fine	Driveway	Nil			1
KILBIRNIE CRESCENT		I	CHILDERS TERRACE	201324333	26/11/2013	Tue	1112	CAR2 turning right hit by oncoming CYCLIST1 (Age 16) NBD on KILBIRNIE CRESCENT	CAR2 failed to give way when turning to non-turning traffic, didnt see/look when required to give way to traffic from another direction	Wet	Overcast	Light Rain	X Type Junction	Give Way Sign			1
KILBIRNIE CRESCENT	20	W	EVANS BAY PARADE	2712972	24/08/2007	Fri	1311	CAR2 NBD on KILBIRNIE CRESCENT opened door into path of another party, CYCLIST1 hit Parked Vehicle	CAR2 didnt see/look behind when opening door or leaving vehicle	Dry	Bright	Fine	Unknown	Nil			1
KILBIRNIE CRESCENT	50	S	HENRY ST	201312022	08/07/2013	Mon	1811	CAR2 NBD on KILBIRNIE CRESCENT opened door into path of another party, CYCLIST1 hit Vehicle	CAR2 inattentive, didnt see/look behind when opening door or leaving vehicle	Dry	Dark	Fine	Unknown	Nil			1
KILBIRNIE CRESCENT	10	N	TULLY ST	2911348	05/03/2009	Thu	1545	CAR2 NBD on KILBIRNIE CRESCENT opened door into path of another party, CYCLIST1 hit Vehicle	CAR2 didnt see/look behind when opening door or leaving vehicle	Dry	Bright	Fine	T Type Junction	Nil			1
LYALL PARADE	200	E	QUEENS DRIVE	2613590	19/12/2006	Tue	0700	TRUCK1 EBD on LYALL PARADE hit CYCLIST2 (Age 25) U-turning from opposite direction of travel	TRUCK1 attention diverted by driver dazzled by sun/lights, didnt see/look behind when changing lanes, position or direction	Dry	Bright	Fine	Unknown	Nil			1
LYALL PARADE		I	QUEENS DRIVE	2711397	25/02/2007	Sun	1150	VAN1 and CYCLIST2 (Age 31) both SBD on LYALL PARADE and turning; collided, VAN1 hit Tree	VAN1 overtaking, attention diverted by other traffic, did not see or look for other party until too late	Dry	Bright	Fine	Roundabo	Give Way Sign			1
LYALL PARADE	70	W	TIRANGI ROAD	2850573	29/01/2008	Tue	1905	CYCLIST1 (Age 31) WBD on LYALL PARADE hit MOPED2 turning right onto LYALL PARADE from the left	MOPED2 driving unfamiliar vehicle ENV: entering or leaving private house / farm	Dry	Bright	Fine	Driveway	Nil			
ONEPU ROAD	15	N	RESOLUTION ST	2612139	27/04/2006	Thu	1827	CAR2 SBD on ONEPU ROAD opened door into path of another party, CYCLIST1 hit Vehicle	CAR2 didnt see/look behind when opening door or leaving vehicle	Dry	Dark	Fine	Unknown	Nil			1
ONEPU ROAD	80	S	RONGOTAI ROAD	2912629	18/07/2009	Sat	1250	CYCLIST1 (Age 51) NBD on ONEPU ROAD hit rear end of CAR2 stop/slow for queue	CYCLIST1 failed to notice car slowing	Dry	Bright	Fine	Unknown	Nil			1
ONEPU ROAD		I	RONGOTAI ROAD	2452474	24/04/2004	Sat	1215	CAR1 SBD on ONEPU ROAD hit rear end of CYCLIST2 (Age 36) stopped/moving slowly	CAR1 intentional collision	Dry	Bright	Fine	X Type Junction	Give Way Sign			
ONEPU ROAD	100	S	WHA ST	2513187	07/11/2005	Mon	1705	SUV2 SBD on ONEPU ROAD opened door into path of another party, CYCLIST1 hit Parked Vehicle	SUV2 didnt see/look behind when opening door or leaving vehicle	Dry	Bright	Fine	Unknown	Nil			1
QUEENS DRIVE	100	S	LYALL PARADE	2913285	10/11/2009	Tue	1510	CYCLIST1 (Age 47) SBD on QUEENS DRIVE hit obstruction, CYCLIST1 hit Other	CYCLIST1 inattentive, attention diverted ENV: strong wind	Dry	Bright	Fine	Unknown	Nil	1		
ROSS ST	30	S	RONGOTAI ROAD	2911406	18/02/2009	Wed	1806	SUV1 SBD on ROSS ST hit CYCLIST2 (Age 9) crossing	SUV1 didnt see/look when visibility obstructed by other vehicles CYCLIST2 failed to give way entering roadway not from driveway or intersection, did not see or look for other party until too late	Dry	Twilight	Fine	T Type Junction	Nil			1
SUTHERLAND ROAD		I	MILLER PLACE	2711392	09/03/2007	Fri	1618	CAR1 SBD on SUTHERLAND ROAD hit CYCLIST2 (Age 11) crossing at right angle from right	CYCLIST2 too fast on straight, failed to give way	Dry	Bright	Fine	T Type Junction	Nil	1		
WELLINGTON ROAD		I	CRAWFORD ROAD	2912918	09/07/2009	Thu	1919	CYCLIST1 (Age 32) WBD on CRAWFORD ROAD hit CAR2 turning right onto CRAWFORD ROAD from the left	CYCLIST1 miscellaneous	Wet	Dark	Fine	Roundabo	Give Way Sign			1

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WELLINGTON ROAD		I	CRAWFORD ROAD	2754842	04/08/2007	Sat	1926	CYCLIST1 SBD on CRAWFORD ROAD hit CAR2 turning right onto CRAWFORD ROAD from the left	CYCLIST1 headlights inadequate or no headlights CAR2 failed to give way at give way sign, didnt see/look when required to give way to traffic from another direction	Wet	Dark	Light Rain	Roundabo	Give Way Sign				
WELLINGTON ROAD		I	CRAWFORD ROAD	201012218	15/06/2010	Tue	0723	CYCLIST1 (Age 49) SBD on CRAWFORD ROAD hit CAR2 turning right onto CRAWFORD ROAD from the left	CAR2 failed to give way at give way sign, didnt see/look when required to give way to traffic from another direction ENV: heavy rain	Wet	Dark	Heavy Rain	Roundabo	Give Way Sign				1
1N/1076/1.835		I	WELLINGTON ROAD	2814030	14/10/2008	Tue	1745	CAR1 WBD on SH 1N changing lanes to left hit CYCLIST2 (Age 31)	CYCLIST2 motorist crowded cyclist	Dry	Bright	Fine	T Type Junction	Give Way Sign				1
1N/1076/1.835 RUAHINE		I	WELLINGTON ROAD	2755054	29/06/2007	Fri	0720	CYCLIST2 NBD on SH 1N RUAHINE lost control while being overtaken by CAR1	CYCLIST2 overtaking on left	Dry	Twilight	Fine	T Type Junction	Give Way Sign				
1N/1076/1.835 WELLINGTON		I	RUAHINE ST	2813940	18/12/2008	Thu	1330	CAR1 WBD on SH 1N WELLINGTON hit CYCLIST2 (Age 21) merging from the right	CYCLIST2 failed to give way at give way sign, misjudged speed etc of vehicle coming from another dirn with right of way	Dry	Bright	Fine	T Type Junction	Give Way Sign				1
1N/1076/1.835 WELLINGTON		I	RUAHINE ST	2652123	04/01/2006	Wed	1800	CAR1 WBD on SH 1N WELLINGTON hit CYCLIST2 (Age 15) turning right onto SH 1N WELLINGTON from the left	CYCLIST2 failed to give way at give way sign	Wet	Overcast	Light Rain	Y Type Junction	Give Way Sign				
1N/1076/1.911		I	MOXHAM AVENUE	201113136	25/10/2011	Tue	0855	CYCLIST1 (Age 57) EBD on SH 1N hit rear of left turning VAN2	VAN2 didnt see/look behind when changing lanes, position or direction	Dry	Bright	Fine	T Type Junction	Nil				1
KILBIRNIE CRESCENT		I	WELLINGTON ROAD	201154515	06/08/2011	Sat	1545	CAR1 NBD on KILBIRNIE CRESCENT turning right hit CYCLIST2 crossing WELLINGTON ROAD from left	CAR1 failed to give way when turning at signals to ped, did not stop at steady red light	Dry	Bright	Fine	X Type Junction	Traffic Signal				
1N/1076/2.295		I	EVANS BAY PARADE	2512558	01/08/2005	Mon	0710	CAR1 WBD on SH 1N hit CYCLIST2 (Age 12) crossing at right angle from right	CYCLIST2 driving or riding on footpath, did not stop at steady red light	Dry	Overcast	Fine	X Type Junction	Traffic Signal				1
1N/1076/3.108		I	TROY ST	2713901	03/12/2007	Mon	0701	CAR1 EBD on SH 1N changing lanes to left hit CYCLIST2 (Age 36)	CAR1 cut in after overtaking, motorist crowded cyclist	Dry	Bright	Fine	Roundabo	Give Way Sign		1		
1N/1076/3.108 COBHAM		I	TROY ST	201111914	08/06/2011	Wed	1640	CAR1 WBD on SH 1N COBHAM hit CYCLIST2 (Age 21) merging from the right	CAR1 failed to give way at give way sign	Dry	Bright	Fine	Roundabo	Give Way Sign				1
1N/1076/3.141		I	TROY ST	201112945	22/09/2011	Thu	1229	CYCLIST1 (Age 47) WBD on SH 1N sideswiped by CAR2 turning left	CYCLIST1 didn't signal when turning left CAR2 motorist crowded cyclist, inattentive, misjudged intentions of another party ENV: strong wind	Dry	Overcast	Fine	Roundabo	Give Way Sign				1
1N/1076/3.238		I	TROY ST	2613760	31/10/2006	Tue	0645	CYCLIST2 (Age 33) turning right hit by oncoming VAN1 WBD on SH 1N	VAN1 failed to give way at give way sign, didnt see/look when required to give way to traffic from another direction	Dry	Bright	Fine	Roundabo	Give Way Sign				1
1N/1076/3.238		I	TROY ST	2611265	01/03/2006	Wed	2030	CYCLIST2 (Age 19) turning right hit by oncoming SUV1 WBD on SH 1N	SUV1 failed to give way at give way sign, did not see or look for other party until too late CYCLIST2 headlights inadequate or no headlights	Dry	Dark	Fine	Roundabo	Give Way Sign				1
1N/1076/3.238		I	TROY ST	2513652	21/12/2005	Wed	1650	CYCLIST2 (Age 42) turning right hit by oncoming CAR1 WBD on SH 1N	CAR1 failed to give way at give way sign, didnt see/look when required to give way to traffic from another direction	Dry	Bright	Fine	Roundabo	Give Way Sign				1
1N/1076/3.238		I	TROY ST	201353767	28/08/2013	Wed	1330	CAR1 SBD on SH 1N hit rear end of CYCLIST2 stop/slow for cross traffic	CAR1 following too closely	Dry	Overcast	Fine	Roundabo	Give Way Sign				

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1N/1076/3.435 COBHAM	150W	CALABAR ROAD	2513669	22/12/2005	Thu	1656	CYCLIST1 (Age 19) EBD on SH 1N COBHAM hit parked veh, CYCLIST1 hit Vehicle	CYCLIST1 failed to notice car slowing	Dry	Bright	Fine	Unknown	Nil			1
1N/1076/3.694	I	COBHAM DRIVE	2812667	20/05/2008	Tue	2230	CAR1 NBD on COBHAM DRIVE hit rear of CYCLIST2 turning right from left side	CYCLIST2 failed to give way entering roadway not from driveway or intersection	Dry	Dark	Fine	Roundabo	Give Way Sign			1

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