



## APPENDIX B: SELECTION CRITERIA

The WCfST Action Plan 2005—2009 Project List is based on best known practice set in the context of national and regional strategies, with a distinct Rodney focus. It has evolved from a range of planning, engineering, education, encouragement, resource and enforcement initiatives into a comprehensive range of projects, intended to bring about a change in walking and cycling behaviors. It is “apolitical” in nature. The list of projects attached is the Preliminary Project List. This is the initial master project list for the 20 year implementation period of the WCfST. The Project List is a “work in progress”, which will be continuously updated with the addition and deletion of sites and fine tuned in relation to; the Annual Plan; available funding; and practicality of sites.

The Selection Criteria for determining whether a project should be added to the Project List is generally, amongst others, as follows:

- Meets the Strategy Objectives and needs.
- Actual and potential walking and cycling “generator” locations — e.g. schools, businesses, places of work, commercial centers, public transport facilities.
- School Rolls—number of users and potential users.
- Current walking and cycling patronage.
- Patronage potential.
- Council and LTNZ funding allocation and criteria.
- Economic criteria i.e. benefit / cost ratios.
- Connectivity i.e. completing missing links to provide connectivity between existing walkways and cycleways.
- School Travel Plan needs.
- Workplace Travel Plan needs.
- Safety issues.
- Engineering costs / land purchase / end point facilities.
- Construction cost fluctuations.
- Post implementation learnings.
  - \* User feedback
  - \* Design standard
  - \* Patronage—actual versus expectations



## APPENDIX C: DESIGN GUIDELINES

### • Principles for Encouraging Use

The eight principles adopted to encourage use and to maximize safety, are as follows:

- Concentrate in centers—District Plan (Pre Project Phase)
- Mix uses in centers—District Plan (Pre Project Phase)
- Link public transport with land-use strategies—Provide safe routes and facilities (Project Phase)
- Connect streets—Connect cul-de sacs, use of parks etc. (Project Phase)
- Improve pedestrian and cycle access—Remove obstacles for pedestrians and cyclists (Project Phase)
- Manage parking supply—Secure and safe bike parking (Project Phase)
- Improve road management—Improved safety (Project Phase)
- Implement good urban design—make every street a walking and cycling street (Project Phase)

### • Guidelines and Standards

Rodney District Council uses the following guides and standards for Walking and Cycling facilities:

- Austroads Part 13, Pedestrians, Guide to Traffic Engineering Practice, 1999
- Austroads Part 14, Bicycles, Guide to Traffic Engineering Practice, 1999
- New Zealand Cycle Design Guide, 2004 (to be used in conjunction with Austroads Part 14)
- Manuals of Traffic Signs and Marking, Part 1 and 2, Transit New Zealand (MOTSAM)
- Rodney District Council Engineering Standards (November 2005)
- LTSA RTS 14 Guidelines for facilities for blind and visually impaired pedestrians (2003)
- Cycle Route Network Planning Guide (Land Transport New Zealand)
- Pedestrian Planning & Design Guide (Land Transport New Zealand)
- Land Transport NZ Research Report 274 (2005)—New Zealand walking and cycling strategies—best practice
- NZ Urban Design Protocol

Reference has been made to:

- NZ Government's CPTED (Crime Prevention through Environmental Design) and IPTED (Injury Prevention through Environmental Design).
- Providing for pedestrians: Principles and Guidelines to Destinations and Urban Spaces, July 2003 ([www.doi.vic.gov.au](http://www.doi.vic.gov.au)).
- Cycle Action Auckland — Designing for Cycling .....a one page introduction and the suggested approach document (2 pages).

Guidelines and standards alone do not ensure safe solutions for cyclists and pedestrians and NZ and Industry Best Practices should be applied. Site-specific factors, such as existing road width, footpath widths, constraints for cycle paths and parking requirements need to be considered carefully. Facilities should be audited and regularly maintained for cyclist and pedestrian.

Utility Service company's activities and plant and equipment needs to be coordinated to ensure that cesspits, man-holes, water fittings, boxes, Telecom surface boxes, power poles and similar obstacles are designed, located, relocated where necessary, and monitored so as not to present a safety risk for cyclists and pedestrians.

### • Minimum and Desirable

The guidelines for cycleway are generally:

**Minimum:** 2.2 metre width with white road markings to divide cycle and walking and the standard signs.

**Desirable:** 3 metre width with white road markings to divide cycle and walking and secure end point facilities like lockable bike racks or secure shelters; shower facilities at place of employment or club.



## APPENDIX D: PROJECT LIST—NOTES

- Key project details are contained in the ‘20 year’ project lists in Appendices F, G and H.
- The project lists for 2005/2006 and 2006/2007 are included as these projects were identified in the initial draft Action Plan issued in 2005. Most of these projects have now been completed.
- At this stage the estimates are Rough Order of Cost estimates. Some of the project sites (e.g. on-road cycleways) will be less than estimated. In other cases, estimates may increase when the extent of retaining structures, water-course crossings and utility services protection / relocation is defined. In several cases, the scope of work has still to be defined.
- The maps accompanying the 20 year project lists are only to indicate the locations of the various projects.



## APPENDIX E: PROJECT LIST 2005 — 2009

<b>Project ID</b>	<b>Project Name Combined Cycleway (c) / Walkway (w)</b>	<b>Ward</b>	<b>Estimate (March 2007)</b>
<b>2005/2006</b>			
<b>Completed Projects</b>			
1ES	Centreway Road from Milton Road to Weiti Road (400m)	Eastern	\$80,000
2ES	Whangaparaoa Road from Red Beach Road to Hibiscus Coast Highway (SH1) (1500m)	Eastern	\$300,000
3ES	D'Oyly Reserve from D'Oyly Avenue to Brightside Road (1000m)	Eastern	\$80,000
2EC	Whangaparaoa Road from Link Crescent to Town Plaza (300m)	Eastern	\$550,000
1NC	Matheson Road from SH1 to Railway Bridge (Wellsford) (200m)	Northern	\$50,000
2NC	Broadlands Drive from Omaha Drive to western end of causeway—Stage 1 completed (1300)	Northern	\$170,000
<b>2006/07</b>			
-	Travel Wise Plan 06/07, Cycleway / Walkway Stage 1 Design & Consultation—Completed	District-Wide	-
1EA	Beach Rd, Manly—Deferred	Eastern	-
2EA	Stanmore Bay Road from Glanville Close to Whangaparaoa Town Centre (1000m) - Completed	Eastern	\$200,000
1EC	Hibiscus Coast Highway (SH1) from Kohu Street to Marine View (600m) - Completed	Eastern	\$73,000
8WC	Kumeu Walkway—SH16 from Weza Lane to Riverhead Road—Deferred	Western	-
<b>2007/08</b>			
4ES	HBC Highway from Jelas Road to Moffat Road (350m)	Eastern	\$350,000
1WS	Kahikatea Flat Road—Waitoki School (1000m)	Western	\$300,000
1WC	Muriwai—Motutara Road (550m)	Western	\$100,000
2WC	Muriwai—Oaia Road (1200m)	Western	\$250,000
4WC	Huapai—Oraha Road (120m) - Deferred	Western	-
5WC	Huapai—Koraha Road / Weza Lane (400m) - Deferred	Western	-
2NC	Broadlands Drive from Omaha Drive to western end of causeway (Stage 2—Bridge Crossing)	Northern	\$250,000
<b>2008/09</b>			
-	Design (SH1) and Consultation, Helensville / Parakai W&C Facilities		-
3EA	Cycleway—Gulf Harbour Drive and Shakespeare Road (3650m)	Eastern	\$950,000
6EC	West Orewa Walkway (Stage1) (1700m)	Eastern	\$350,000



APPENDIX F: PRELIMINARY PROJECT SUMMARY (2005—2025)

**RODNEY DISTRICT COUNCIL**

**Walkways and Cycleways (W&C) - Preliminary Project Summary (2005-2025)**

	Item	Eastern Ward (HBC) W&C (Km)	Western Ward W&C (Km)	Northern Ward W&C (Km)
	<b>Schools</b>			
<b>Timeline</b>	1-5 years	9.40	8.50	7.40
	6-10 years	0.00	14.60	4.00
	11-20 years	0.00	0.80	2.80
<b>Subtotal</b>		<b>9.40</b>	<b>23.90</b>	<b>14.20</b>
	<b>Commercial Centres</b>			
<b>Timeline</b>	1-5 years	15.50	12.40	6.80
	6-10 years	5.00	1.50	6.30
	11-20 years	0.00	0.00	5.10
<b>Subtotal</b>		<b>20.50</b>	<b>13.90</b>	<b>18.20</b>
	<b>Arterials / SH's</b>			
<b>Timeline</b>	1-5 years	32.10	2.30	0.00
	6-10 years	11.30	11.70	0.00
	11-20 years	0.00	30.10	33.10
<b>Subtotal</b>		<b>43.40</b>	<b>44.10</b>	<b>33.10</b>
<b>Totals</b>		<b>73.30</b>	<b>81.90</b>	<b>65.50</b>

**Totals:**

**HBC 73.30 Km**

**Western 81.90 Km**

**Northern 65.50 Km**

**Grand Total: 220.70 Km**