



Trading Place

AI

Reseals—Henderson Ward

Road Name	Start Name	End Name	Length (m)
ALDERMAN DR	SEL PEACOCK START ISL RHS	EDMONTON END ISL RHS	191
ALWYN AVE	CUL DE SAC	END	23
ANNETTE AVE	EDMONTON RD	CUL DE SAC	54
BEAUFIELD LN	CUL DE SAC	END	27
BLACKLOCK AVE	CUL DE SAC	END	23
BLACKLOCK AVE	NORCROSS AVE	#32	363
BODI PL	#23 BEND	#23 BEND	31
BODI PL	CUL DE SAC	END	25
CATHERINE ST	DORA ST	CRANWELL ST LP LHS	109
CIPRIAN PL	TAKAPU ST	END	177
CLINTON AVE	TE ATATU RD	CUL DE SAC HEAD START	145
COVIL AVE	BRAEBANK LNE	END	223
CRIEFF PL	CUL DE SAC	END	38
CRIEFF PL	RENATA CRES	CUL DE SAC	58
DUNCAN AVE	MCLEOD RD	MATUHI RISE	304
EDMONTON/ALDERMAN RAB	ALDERMAN DRV	ALDERMAN DRV	54
FAIRBANKS PL	MANHATTEN HTS	END	44
FAIRLEA RD	CUL DE SAC	END	31
FLANSHAW RD	ROYAL VIEW RD	CUL DE SAC	253
GLEN MARINE PDE	#66	END	242
GLENFORD LN	NEIL AVE	#5	80
GREAT NORTH RD	SABULITE RD CL MARKING LHS	CEMETERY ENTRANCE	326
GREAT NORTH/TE ATATU RAB	NORCROSS AVE	NORCROSS AVE	68
GRIMSHAW PL	CUL DE SAC	END	29
GRIMSHAW PL	WAITAKI ST	#8	125
HEREFORD ST	CUL DE SAC	END	25
HEREFORD ST	TE ATATU RD	#39	342
HICKORY AVE	HENDERSON VALLEY RD	END	144
HIGHLIGHT PDE	JAEMONT AVE	CUL DE SAC	117
HIKURANGI ST	REWAREWA RD	TOTARA RD (TEA)	215
KAUMATUA PL	TAIKATA RD	END	78
KEELING RD	HENDERSON VALLEY RD	END	640
LAVELLE RD	START ISL RHS	END ISL RHS	107
LINCOLN RD	SEL PEACOCK DR	road widening?	0
Longbill Pl Hammerhead	CUL DE SAC (SOUTHEAST)	CUL DE SAC (SOUTHEAST)	14.7
Longbill Pl Hammerhead	CUL DE SAC (NORTHWEST)	CUL DE SAC (NORTHWEST)	15.1
MARLENE AVE	FLANSHAW RD	CUL DE SAC	148
MATUHI RISE	CUL DE SAC	END	35
MAY AVE	CUL DE SAC	END	30
MAYBURN RD	CUL DE SAC	END	27
MAYBURN RD	BEACH RD	CUL DE SAC	77
MERVILLE AVE	CUL DE SAC	END	22
PIONEER ST	CATHERINE ST CL LHS	END	77
PORTER AVE	CUL DE SAC	END	20
RAILSIDE AVE	DORA ST	VIEW RAB END ISL RHS	205
RAILSIDE AVE	VIEW RD	BRUCE MCLAREN RD	536
RAILSIDE AVE / VIEW RD RAB	RECONSTRUCTION PROPOSED	VIEW RD	58

A2

Reseals—Henderson Ward continued

Road Name	Start Name	End Name	Length (m)
RANGEVIEW RD	SHERRYBROOKE PL	END OF SEAL	
RATANUI AVE SERVICE LANE WCCSL 5	RATANUI AVE	END	140
REWAREWA RD	CUL DE SAC	END	20
RIVER RD	CUL DE SAC	END	21
RIXON PL	CUL DE SAC	END	25
ROWAN TCE	CUL DE SAC	END	19
ROYAL VIEW RD	FLANSHAW RD	TE ATATU RD	901
SHAMROCK LN	CUL DE SAC	END	24
SHEEHAN RD	CUL DE SAC	END	27
SMYTHE RD	HENDERSON VALLEY RD-plus 60m	#66	515.7
SOUTHGATE PL	CUL DE SAC	END	20
SWANSON RD	STURGES RD CL LHS	RATHGAR RD CL ISL RHS	79
TAIKATA RD	TE ATATU RAB START ISL RH	PEACHGROVE RD	50
TAIPARI RD	MATIPO RD	TAIOMA CRES (SOUTH)	528
TATAU WAY	TORU ST	END	101
TE AJATU RD	BEFORE MCLEOD RD CL RD LHS	ROBERTS RD CL ISL RHS	132
TE ATATU RD	WAKELING AVE (at RP 2229m)	EDMONTON RAB END ISL RHS	154
TE KANAWA CRES	LINCOLN RD	CUL DE SAC	530
TEMURI PL	CUL DE SAC	END	23
TEMURI PL	THORNLOW ST	CUL DE SAC	228
THOMAS AVE	GLORIA AVE	CUL DE SAC HEAD START	213.2
TIRIMOANA AVE	CHRISTINA AVE	TRACEY PL	176
VODANOVICH RD	NORMA AVE	# 34	138
VODANOVICH RD	#78	#90	122
WAITAKI ST	VIEW RD	#31	213
WARD CRESCENT	NEIL AVE (N)	NEIL AVE (S)	381
WILSHER CRES	#41	SYMTHY RD (WEST)	210



Chip sealing a local road within the City to protect the pavement from deterioration and failure

A3

Slow streets

A priority list is drawn up based on a points system. The top priority fundable projects are referred to the Community Boards for approval before implementation.

Although this item is not in the draft budget, the current priority list is shown below.

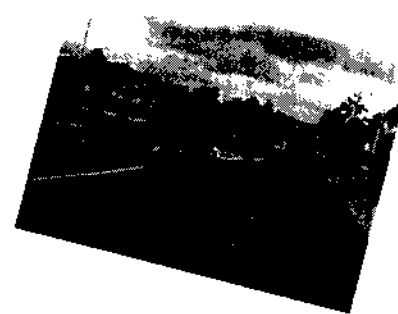


Ward	Street name	Ranking	Cost \$
Massey	Zita Maria Dr	A	50,000
Henderson	Neil Ave	B	40,000
Waitakere	Sunvue Rd	B	45,000
Henderson	Waitaki St	B	40,000
Henderson	Addison Ave	C	30,000
New Lynn	Arhoe Rd	C	25,000
Massey	Beauchamp Dr	C	25,000
Massey	Bittern Pl	C	20,000
Henderson	Brookfield Rd	C	15,000
New Lynn	Castleford Rd	C	25,000
Henderson	Chilcott Rd	C	30,000
New Lynn	Cliff View Dr	C	40,000
Henderson	Covil Rd	C	25,000
New Lynn	Daffodil St	C	40,000
New Lynn	Eastglen Road	C	35,000
Henderson	Enderby Dr	C	25,000
Waitakere	Espalier Drive btw Hillwell & Geordie	C	30,000
New Lynn	Evans Rd	C	35,000
Henderson	Farquhar Rd	C	45,000
Henderson	Felgrove St	C	30,000
New Lynn	Gilliam St	C	25,000
Waitakere	Glenesk Rd	C	40,000
Waitakere	Hindmarsh St	C	35,000
Henderson	James Laurie St	C	35,000
New Lynn	Kelwyn St	C	30,000
Massey	Kemp Rd	C	50,000
Henderson	Kirie Ave	C	20,000
New Lynn	Konini Rd	C	50,000
New Lynn	Laingholm Dr	C	120,000
New Lynn	Levy Rd	C	20,000
New Lynn	Links Rd	C	30,000
Massey	Luanda Dr / Armada Dr/ Bahari	C	100,000
Henderson	Lyndhurst Rd	C	20,000
New Lynn	Lynwood Rd- Gt Nth to Rickards	C	30,000
Massey	Marina View Dr	C	80,000
Henderson	Matipo Rd	C	40,000
New Lynn	Merchant Avenue	C	25,000

Before slow street treatment



The same street after treatment

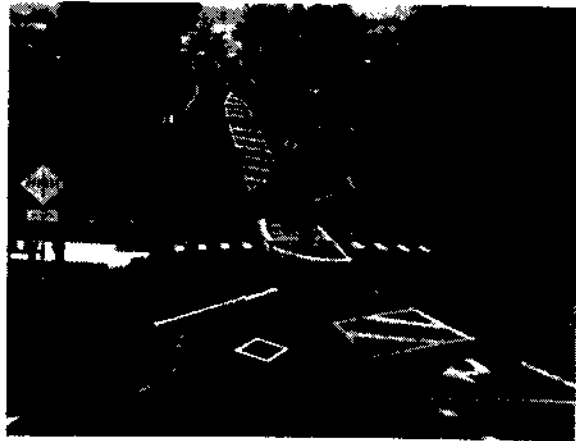


Humps are by far the most cost effective method of traffic calming

A4

Slow streets continued

Ward	Street name	Ranking	Cost \$
Henderson	Moor Ave	C	20,000
New Lynn	Norman Rd	C	30,000
New Lynn	Northall Rd	C	20,000
Massey	Norval - Pinedale	C	40,000
Henderson	Nui Mana Pl	C	30,000
New Lynn	Old Titirangi Rd	C	30,000
New Lynn	Park Rd	C	60,000
New Lynn	Parker Road	C	40,000
Massey	Picasso Dr	C	60,000
Massey	Ranui Ave / Jillian Dr	C	50,000
Massey	Redwood Dr	C	35,000
Henderson	Ribblesdale Rd	C	20,000
Henderson	Royal View Rd	C	50,000
New Lynn	Sandys Pde	C	20,000
New Lynn	Seabrook Ave	C	80,000
New Lynn	Sheridan Drv	C	30,000
Waitakere	Spence	C	40,000
Henderson	Sunnyside Rd	C	70,000
New Lynn	Tahi Tce	C	30,000
New Lynn	Tamariki Ave	C	20,000
New Lynn	Vanguard Rd	C	30,000
New Lynn	Vardon Rd	C	15,000
Henderson	Vodanovich Rd	C	30,000
Henderson	Waari Ave	C	25,000
Henderson	Waipani Rd	C	40,000
Massey	Widmore Dr	C	35,000
Henderson	Wilsher Cres	C	30,000
New Lynn	Wirihana Rd	C	40,000
New Lynn	Woodglen	C	80,000



AS Slow street treatments include signs,
bollards, planting humps, traffic
islands, and roundabouts

Accident investigation safety works

Travel speed needs to be slower on curving and narrow rural roads. This guard rail has averted several major accidents.



Prioritisation

A priority list, based on a points system, has been produced to deal with minor 'black-spot' safety works. The top priority fundable projects are referred to the City Development Committee for approval and to Land Transport NZ for its information, before implementation.

The current priority list is shown below *.

Rank	Location	Description	Estimate
C	Waima/Woodlands Intersection	Intersection treatment	\$ 70,000
C	Awaroa/Sunnyside	Intersection upgrade	\$ 10,000
C	Astley/Islington Road	Splitter island	\$ 12,000
C	Enderby/Moore	Intersection controls	\$ 10,000
C	Gloria Ave/Graham Rd	Throat island	\$ 20,000
C	Hutchinson/Margan Ave	Raise roundabout apron	\$ 30,000
C	Hutchinson/Margan Ave	Geometric Changes From Hutchinson Ave	\$ 20,000
C	Hutchinson/Parker Ave	Intersection Improvements	\$ 120,000
C	Hutchinson Traffic Calming	Mini Roundabouts	\$ 140,000
C	Margan ave/Seabrook	Intersection improvements	\$ 120,000
C	Millbrook/View Rd	Relocate power pole	\$ 20,000
C	Moiré Road/West Harbour Drive	Roundabout lighting	\$ 140,000
C	Portage/Links Road	Intersection improvements	\$ 60,000
C	Shetland St	Throat Islands/Intresection Control	\$ 30,000
C	Sunvue Rd/Brunner	Splitter island	\$ 15,000
C	Titirangi Road - Village	Smart Peds	\$ 40,000
C	Vitasovich Rd K Mart	Island refuge on crossing	\$ 8,000
C	West Coast/Scenic Dr	Directional sign	\$ 2,000
D	Barbary Rd/St Leonards Rd	Throat Island & Widening	\$ 30,000
D	Eastglen Rd	Throat Island on both ends	\$ 20,000
D	Edmonton/Strid	Intersection sightlines	\$ 20,000
D	Hepburn/Farquhar	Splitter island	\$ 20,000
D	Huia Rd/Rauhuia Cres	island instal for crossing point	\$ 6,000
D	Rata St/Titirangi Rd	Lengthen LT into Gt North rd	\$ 20,000
D	Scenic Dr/North Way	Sight bench for right turn visibility	\$ 5,000
D	Shetland Rd -Glengarry Rd	LT speed into Shetland	\$ 20,000
D	Te Henga/Falls	Intersection Improvements	\$ 10,000
D	Titirangi Beach Carpark	islands or humps	\$ 20,000
D	Victory/Huia	Widening RT & Merge Lane	\$ 60,000
D	Waitaki/Waari/Longreach	Throat Islands	\$ 30,000
D	West Coast /Rua Rd	Approach to bridge	\$ 140,000
D	Worthington/Rubens Lane	Throat Island	\$ 10,000

* Additional sites will be added to the list following completion of the 2005/2006 Crash Reduction Study

AL

Drainage extensions

Prioritisation

Projects are prioritised by points accounting for: proximity and capacity of storm-water pipes, importance of road, traffic volume, housing density, shops, schools, and other public services.

The current priority list is shown below.

Ward	Street	Section	Priority	Length (m)	Cost \$
W/H	Henderson Valley Rd	Border Rd to Pine Ave	1	500	500,000
W	Parrs Cross Rd	Pine - Bruce McLaren	2	250	100,000
W	Pine Ave	Forest Hill - Parrs Cross	3	350	140,000
W	Sturges Road	Palamino-Roy Maloney	4	300	250,000
W	Birdwood Road	Swanson to Waitemata Dr	5	1112	234,250
NL	Konini Rd	No. 117 - Kopiko	6	100	25,000
NL	Konini Rd	No. 14 - No. 117	7	800	400,000
W	Parrs Cross Rd	Bruce McLaren - bridge	8	300	90,000
W	Pine Ave	Forest Hill - Henderson Valley	9	250	37,500
NL	Withers Rd	Kashmir-Annison	10	150	22,500
W	Sturges Road	San Bernadino-No.281	11	600	480,000
NL	Ava Rd		Not ranked	200	100,000
M	Colwill Rd		Not ranked	400	220,000
H	Crockett Ln		Not ranked	50	27,500
M	Glen Rd	Bahari - 400m from Birdwood	Not ranked	700	350,000
M	Glen Rd	400m from Birdwood to Birdwood	Not ranked	400	100,000
NL	Kohu Rd	Kopiko - Scenic	Not ranked	600	300,000
NL	Konini Rd	No. 228 - Scenic	Not ranked	1000	400,000
NL	Kopiko Rd		Not ranked	700	420,000
M	Lincoln Park Rd 1		Not ranked	300	60,000
M	Lincoln Park Rd 2		Not ranked	250	50,000
NL	Lynwood Rd		Not ranked	80	28,000
W	Parrs Cross Rd	Landow - Forest Hill	Not ranked	100	60,000
W	Parrs Cross Rd	Forest Hill - Pine	Not ranked	300	150,000
W	Parrs Cross Rd	Pine - Landow	Not ranked	250	75,000

Drainage extension work is generally carried out in the summer months (October to April) so that the ground is drier, making sites more accessible.

A7

Drainage extensions continued

Ward	Street	Section	Priority	Length (m)	Cost \$
NL	Phillip Ave		Not ranked	600	390,000
H	Rangeview Rd	Seymour - No. 69	Not ranked	650	97,500
H	Rangeview Rd	No. 69 - end	Not ranked	150	45,000
NL	Rangiwai Rd		Not ranked	450	135,000
H	Sherrybrook Rd		Not ranked	200	60,000
H	Sunhill Rd		Not ranked	300	75,000
M	Triangle Rd	Waimumu - Lincoln	Not ranked	750	450,000
M	Waimarie Rd		Not ranked	1000	700,000
NL	Westridge Rd		Not ranked	250	125,000
M	Williams Rd	By house number 4, extend by 40m	Not ranked	40	10,000
M/W	Heatherington Rd		Not ranked	750	487,500
W	Tane Rd		Not ranked	700	455,000
W	Hollywood Ave	Full length	Not ranked	500	325,000
NL	Waima Crescent	Full length	Not ranked	972	700,000
M	Williams Rd	Full length	Not ranked	252	63,000



Drainage work includes kerb and channel, porous paving, or paved/grassed swales to decontaminate and/or collect excessive storm water. Increased expenditure on drainage is desirable owing to weather trends.

AR

Parking bays

Prioritisation

Priorities are set according to roadside activity in the order of: schools, shops and then other public facilities.

Sub-prioritisation is by points allocated for: accident record, importance of road, traffic and pedestrian volumes, congestion, passenger transport, existing traffic and pedestrian facilities, cost, and any financial contribution from affected parties.

Although this item is not in the draft budget, the current priority list is shown below.

Location	Type of treatment	Estimated cost
Glengarry Rd - Rosier Rd opp shops	Recess parking	\$ 40,000
Glenview Road o/s Glen Eden Primary	Recessed angled parking	\$ 55,000
Henderson Valley Rd o/s Hsn Valley Kindy	Additional parking spaces	\$ 20,000
Kintara Drive o/s Colwill school	Recess parking	\$ 60,000
Norval Ave o/s the school	Recess parking on one side only	\$ 20,000
Oratia Settlers Hall (West Coast Road)	Additional parking spaces	\$ 50,000
Parker Rd-opp church	Pipe water table & fill to cater for parallel parks	\$ 40,000
Vera Rd - opposite shops	Recess parking	\$ 30,000
Willerton Ave New Lynn Rugby League	Recessed angled parking	\$ 60,000
Marine Parade south Piha carpark	Angie parking	\$ 20,000
Clark Rd (Massey)	Extra parking (AP 98/98 398/04)	\$ 20,000
West Park Marina	Extra Parking (AP 422 - 18)	\$ 60,000
Luckens Road Shops	Extra Parking (AP 422 - 18)	\$ 60,000
	Total	\$ 535,000.00



Unsafe and inefficient traffic conditions can sometimes be mitigated by the provision of roadside parking bays

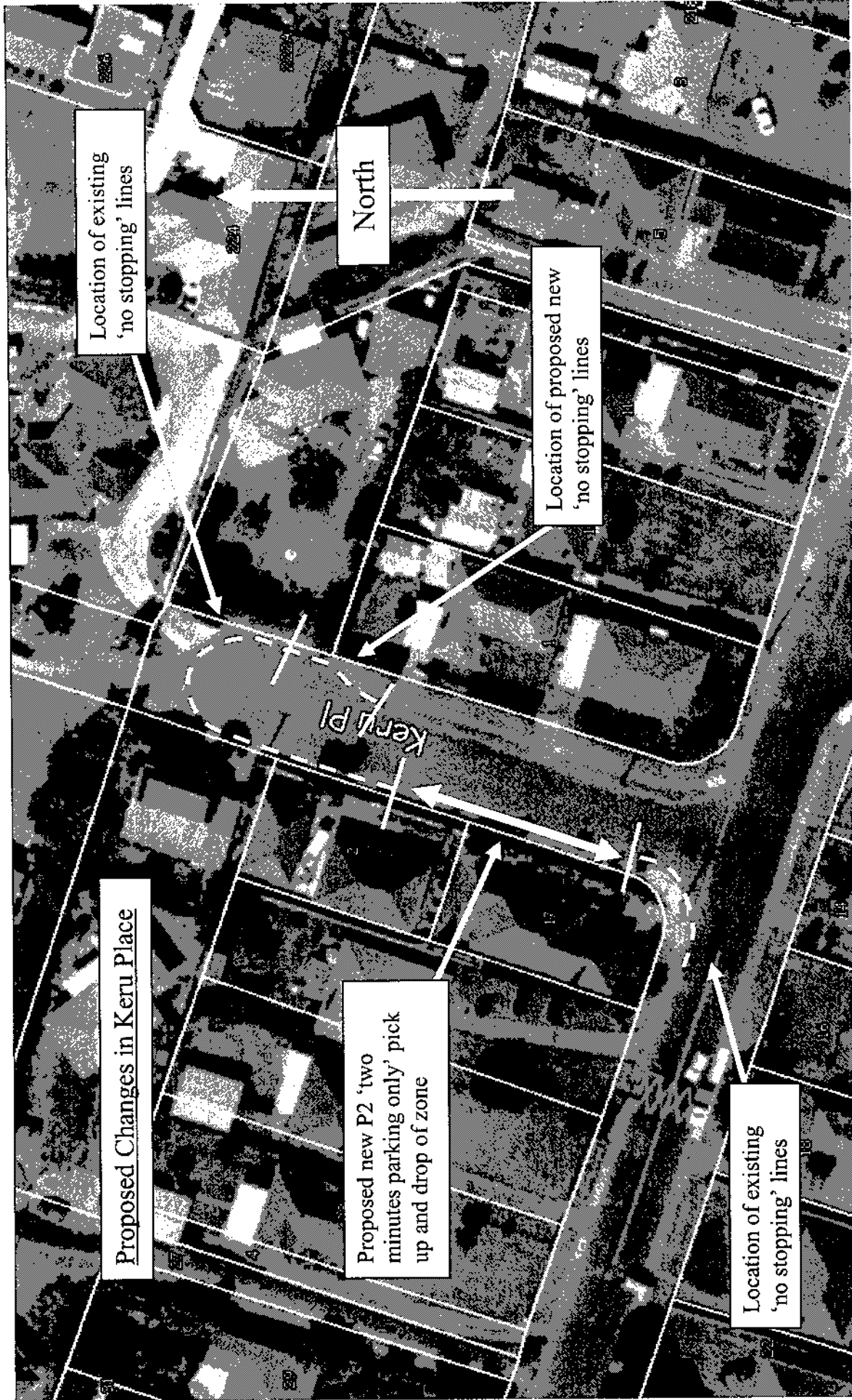
A9

New Footpath Priority List for Henderson - 2006

Name	Location	Distance from School	Distance from Shop	Length (km)	Cost \$ (K)	Priority
Vitasovich Ave	Briscoes bldg	300	100	0.087	34.8	1
Gloria Ave	RAB Te atatu Rd	300	750	0.013	5.2	2
Amokura St	Entire road RHS	390	330	0.114	45.6	3
Henderson Valley Rd	PPTY 78 to Corban Ave	260		0.34	136	4
Hepburn Rd	PPTY 251 - PPTY 261	360		0.225	90	5
Railside Ave	View Rd - Dora St	450	70	0.189	75.6	6
Stevie Rd	Entire road RHS	510	85	0.205	82	7
Railside Ave	RAB View Rd	450	280	0.042	16.8	8
Railside Ave	View Rd - Bruce McLaren Rd	450	310	0.55	220	9
Lone Tree Ave	Vinograd Rd Entrance	670	385	0.026	10.4	10
Lone Tree Ave	PPTY 4 to 20	715	430	0.066	26.4	11
Lone Tree Ave	PPTY 20 to end	865	580	0.026	10.4	12
St Jerome Ave	Entire road	700	600	0.147	58.8	13
Harbour View Rd	PPTY 44 to Riverstone rd	510	600	0.006	2.4	14
Mahina Pl	Entire road	540	620	0.046	18.4	15
Onemana way	Entrance to RAB	600	680	0.235	94	16
Awaroa Rd	Grt Nith Rd - End Awaroa		800	0.125	50	17
Railside Ave	Bruce McLaren Rd - End	520	800	0.275	110	18
Blethyn Pl	Entrance to PPTY 5	430	950	0.05	20	19
Rangeview Rd	Entire road RHS	590		0.758	303.2	20
Crocket Ln	Entire road			0.049	19.6	21
Hepburn Rd	Akatea INT - Hepburn PPTY 221	670		0.095	38	22
Hepburn Rd	Culperry Rd - Akatea Rd	800		0.205	82	23
SherryBrooke	Entire road - both sides			0	0	24
Waikura Dr	Entrance to pond bridge			0.195	78	25
Kawai Rise	Entrance upto RAB LHS			0.067	26.8	26

Note: Estimate cost per Linear meter is \$400.00

A16





Ala

4/17 4/may/2006.

To: April 24th 2006
Traffic Assets and Community Board
Waukegan City Council.

Dear Sir/Madame,

On behalf of the traders in the Henderson town centre, 300 blocks both sides, please find the enclosed signatures in support of changing the present P15 spaces to all be P30 until the meter issue is resolved.

We would also like a drop off space both ends in order to facilitate quick turnover for bank machines and cleaners etc.

This should be maximum ~~10~~ mins. As we are awaiting the outcome of the parking meter issue and it is still a long way off getting resolved we would like this arrangement in the interim as

AB