

New Zealand
State Highways
Road Safety Report
2005 to 2009



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Introduction and general information

The NZ Transport Agency provides information on road safety to its stakeholders and the public. It also has responsibility for promoting safety and sustainability in land transport, among a variety of other functions. This road safety report is an example of information supplied by the NZ Transport Agency.

This report helps identify road safety issues in New Zealand State Highways area ('the country') by presenting tables or graphs of:

- numbers and trends in reported crashes and casualties
- characteristics and types of crashes and casualties
- factors contributing to crashes
- locations with bad crash records
- characteristics of crashes on council authority roads

The information is intended to assist road controlling authorities, the New Zealand Police and others in evaluating the safety performance of the road network in New Zealand State Highways. Comparison with other cities, districts or regions elsewhere in the country is included.

Researchers, students, and organisations with an interest in road safety will also find the information useful.

Source of crash information

This report uses data from the NZ Transport Agency's crash database. This database includes all crashes involving injury and non-injury for which Police reports have been completed and forwarded to the NZ Transport Agency. Mostly five-year data (2005 to 2009) has been used, but 10-year data (2000 to 2009) has been used to analyse trends.

Peer groups

Traffic crash patterns and features for an area can depend on the traffic and roading characteristics of that area. The most useful comparisons are generally made with other areas or authorities with similar characteristics, rather than with the whole country. The data for the state highways is compared with council roads and with data for all New Zealand.

Definitions of urban and rural

Data has been separated for urban and rural (open) roads through this report because each has a distinctly different pattern of crashes. In this report urban roads are defined as all those with a speed limit of 70 km/h or less, however it should be noted that some locations which have been speed limit zoned might be more appropriately defined as rural but are included in urban zones.

Definition of statistically significant

A number of graphs include a comparison between the road controlling authority, all New Zealand and a similar peer group. These graphs can include an indication as to whether the difference is statistically significant. For the purposes of this report statistically significant means that a difference of this size is unlikely to be due to chance. Significance is noted at the 5% level ($P < 0.05$), this means that the observed result would occur by chance in only 1 in 20 similar situations.

Road user compliance data

The Ministry of Transport collects information on road user compliance with traffic law. This information includes speed surveys, occupant restraint use surveys and cycle helmet use surveys. Information about these surveys is available on Ministry of Transport web site.

The appropriate web addresses are as follows:

Speed Surveys <http://www.transport.govt.nz/research/SpeedSurveys/>

Safety belts <http://www.transport.govt.nz/research/safetybeltstatistics/>

Cycle helmets <http://www.transport.govt.nz/research/cyclehelmets2009/>

The information is also distributed quarterly in the Ministry of Transport publication Road safety progress.

The Ministry of Transport also conducts public attitude surveys. These have been undertaken annually since 1994. They evaluate attitudes to road safety issues, primarily alcohol-impaired driving and speed. Surveys are carried out in May and June of each year by trained interviewers who conduct interviews with respondents in their homes. The sample is chosen to be representative of the New Zealand adult population, and includes men and women aged 15 and over from towns, cities and rural areas throughout New Zealand.

The results of these surveys are available from:

<http://www.transport.govt.nz/research/PublicAttitudesToRoadSafetySurvey/>

General explanatory notes

1. Crash and casualty information in this report generally includes data for both council roads and state highways. Some tables and charts can separate this information, however figures 8.1–8.26 provide information for council roads only.
2. Crash and casualty rates are based on 2009 populations estimates updated from the 2006 census, traffic flows from the year 2009, and the average of five year crash data (2005–2009).
3. Traffic flows are based on Road Asset Maintenance and Management (RAMM) data from December 2009. As different road controlling authorities update flow data in RAMM at different times some data will be more up to date than other data, hence caution should be exercised when comparing traffic flow based crash rates in one authority with those of other authorities particularly as the traffic flow data (VKT) used in the calculations can not be considered definitive. Comparisons should be considered as indicative only.
4. With four to five categories of road for each council authority, some categories will only have short lengths of road. This may cause significant variation in the calculated crash and casualty rates.
5. The crash numbers include all those within the road controlling authority. The crash numbers used in the crash rate section can, however, vary slightly from the remainder of the document as only 'on road' crashes can be used. These are crashes on roads that have traffic volume information recorded. Crashes that occurred in car parks, reserves, beaches etc. are excluded.

6. The severity of a crash is determined as the most severely injured casualty in the crash. Injury severity is classified as fatal, serious, or minor as follows:

Fatal: Injuries that result in death within 30 days of a crash.

Serious: Fractures, concussion, internal injuries, crushing, severe cuts and lacerations, severe general shock necessitating medical treatment, and any injury involving removal to and detention in hospital.

Minor: Injuries which are not serious but which require first aid, or cause discomfort or pain to the person injured, eg sprains and bruises.

7. Ethnicity of road users involved in crashes can now be recorded on traffic crash reports, although some reports may not include this data. Figures 3.25 and 3.26 shows the ethnicity of casualties, where known. Ethnicity is divided into five different groups. Only data for 2005 to 2009 is available. The graph includes all casualties irrespective of culpability.

NOTE: Ethnicity data should be treated with caution as the data can be considered subjective and incomplete.

8. For the licence status grouping in Figures 3.27 and 3.28 the 'no/wrong licence' group includes drivers who have never held a licence or have an expired or wrong class licence. This graph includes all drivers irrespective of injury or culpability.

9. See appendix for detailed descriptions of:

- crash movement types and crash movement groupings (for Figures 4.1–4.4)
- grouping of factors contributing to crashes (for Figures 5.1–5.14)

10. Blackspot sites listed in Figure 9.3 are listed by the total cost of crashes at the site and are listed regardless of any remedial treatments. Site were initially selected on the basis of 3 reported crashes and then the sites listed were limited to those with a higher number of injury crashes and over a defined social cost, which is indicated on each figure.

11. Alarm crash sites in section 9 as Figure 9.5 are crash sites that have shown a statistically significant increase (at the 95 percent level of confidence) in reported crashes in 2009 compared with the previous five years (2004 to 2008). The sites are initially selected on the basis of 3 or more reported crashes at the sites. Sites are listed regardless of any recent remedial treatments and they may already be under investigation for treatment.

Crash Rates and Costs

Crash reporting rates

The ratio of 'reported serious injuries' can be assessed by comparing seriously injured casualty numbers from Police crash reports to hospital admissions, given that a serious injury is generally one requiring hospital attention.

Figure 1.1 below indicates the serious injury reporting rate for each region.

Figure 1.1 Reporting rate serious injuries to hospital admissions

Region	2005	2006	2007	2008	2009
Northland	30%	28%	34%	38%	27%
Auckland	17%	20%	16%	18%	18%
Waikato	40%	38%	50%	47%	40%
Bay of Plenty	32%	37%	38%	29%	27%
Gisborne	32%	26%	31%	28%	27%
Hawkes Bay	80%	75%	59%	68%	42%
Taranaki	55%	65%	79%	41%	36%
Manawatu-Wanganui	38%	34%	35%	36%	31%
Wellington	68%	61%	74%	55%	48%
Nelson-Marlborough	44%	52%	54%	50%	39%
West Coast	53%	55%	59%	53%	54%
Canterbury	47%	42%	49%	45%	43%
Otago	99%	85%	77%	69%	39%
Southland	78%	103%	73%	53%	39%
New Zealand	36%	35%	37%	35%	33%

This is the ratio of the number of persons with serious injuries in reported crashes divided by the number of persons admitted to hospital with serious injuries.

These variations in reporting rates need to be considered when viewing the trends in crashes and casualties shown in this report.

Note: These values should be considered indicative only.

Figure 1.2 Crashes per 100 million vehicle kilometres travelled

	Council roads		State Highways	
	Urban	Rural	Urban	Rural
All NZ S.H.	37	29	27	18
All NZ L.R.	37	29	27	18
All NZ	37	29	27	18

Figure 1.3 Casualties per 100 million vehicle kilometres travelled

	Council roads		State Highways	
	Urban	Rural	Urban	Rural
All NZ S.H.	46	42	36	26
All NZ L.R.	46	42	36	26
All NZ	46	42	36	26

Figure 1.4 Peer group crash and casualty rates
Regions

Region name	10,000 Population (5 year average)	Crashes per				10,000 Population (5 year average)	Casualties per				2009 Population	% of rural crashes			
		100 million vehicle kilometres travelled					100 million vehicle kilometres travelled								
		Council roads		State Highways			Council roads		State Highways						
	10,000 Population (5 year average)	Urban	Rural	Urban	Rural	10,000 Population (5 year average)	Urban	Rural	Urban	Rural	2009 Population	% of rural crashes			
Auckland	23	33	29	40	14	29	42	41	53	19	1454200	28			
Bay of Plenty	16	28	29	17	17	22	35	43	24	27	371020	48			
Gisborne	27	31	21	28	28	38	41	31	38	44	46200	47			
Hawkes Bay	32	46	30	37	24	44	57	45	48	38	153270	47			
Manawatu Wanganui	27	39	25	31	18	38	47	37	42	28	230000	54			
Nelson Marlborough	25	39	23	22	20	33	47	35	27	29	136800	52			
Southland	91	71	32	57	24	138	102	50	77	39	45330	50			
Greater Wellington	27	41	37	32	14	34	49	50	43	20	386480	27			
Canterbury	51	41	22	24	14	67	51	31	31	21	278450	30			
Chathams	1109	n/a	n/a	n/a	n/a	91	n/a	n/a	n/a	n/a	640	n/a			
Northland	26	34	34	20	22	39	43	49	32	39	185900	71			
Otago	47	73	43	47	21	69	103	65	65	33	186150	45			
Taranaki	28	45	31	30	22	39	58	45	38	33	108240	53			
Waikato	32	40	29	22	19	45	50	39	31	30	384870	58			
West Coast	38	35	24	20	22	55	48	34	30	33	32590	77			
All New Zealand	26	38	29	28	18	36	48	42	38	26	4331000	41			

N/A : Denotes that data for vehicle kilometres travelled (VKT) is not available or inappropriate for some categories.

Crashes and casualties per 100 million VKT are based on five years of reported injury on-road crash data (2005-2009) and December 2009 VKT estimates.

Crashes and casualties per 10,000 population are based on five year average crash data (2005-2009) and Statistics NZ 2009 population estimates.

Figure 1.5 Crashes per 100 million vehicle-kilometres travelled - urban council roads

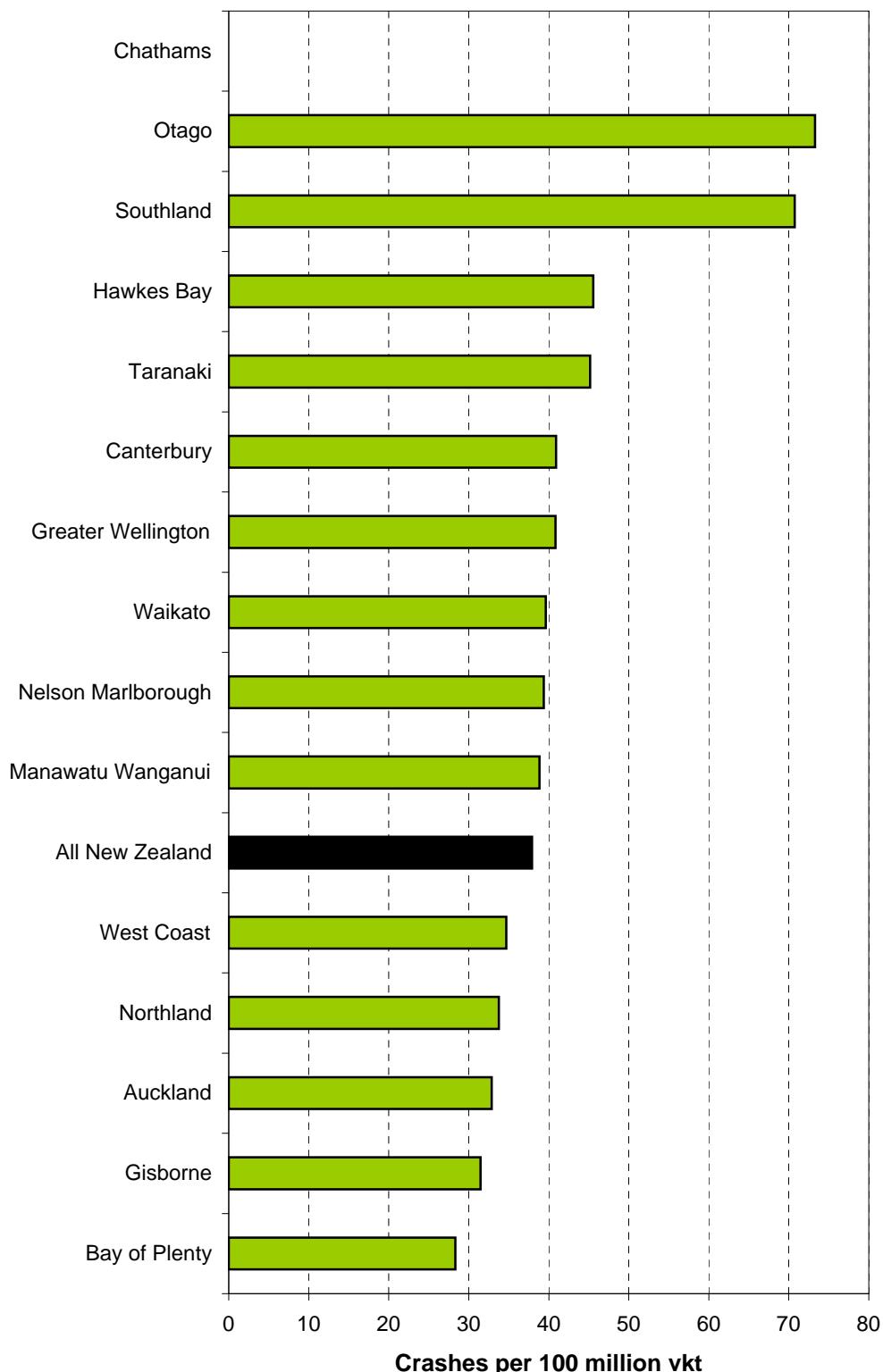


Figure 1.6 Crashes per 100 million vehicle-kilometres travelled - rural council roads

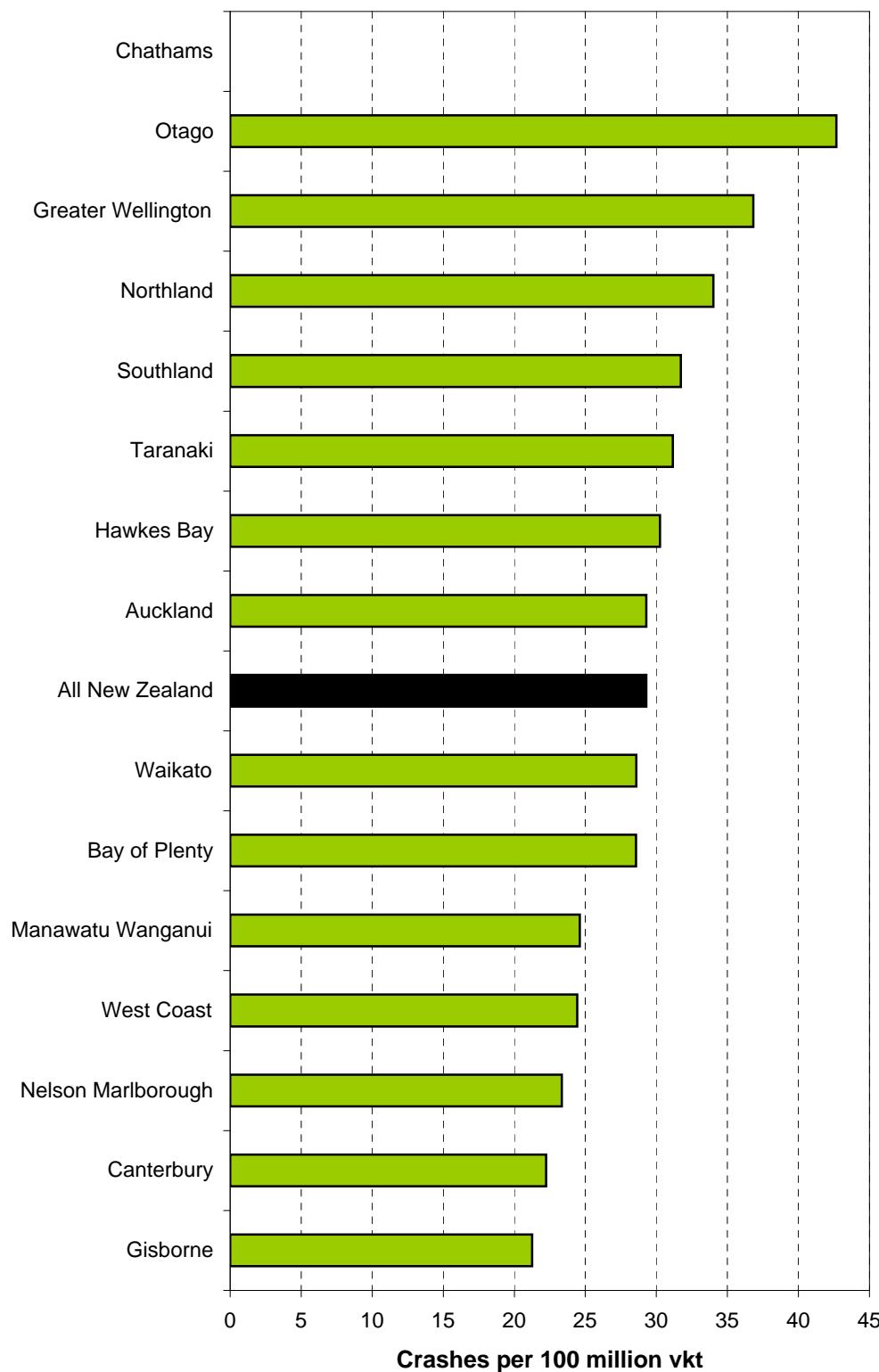
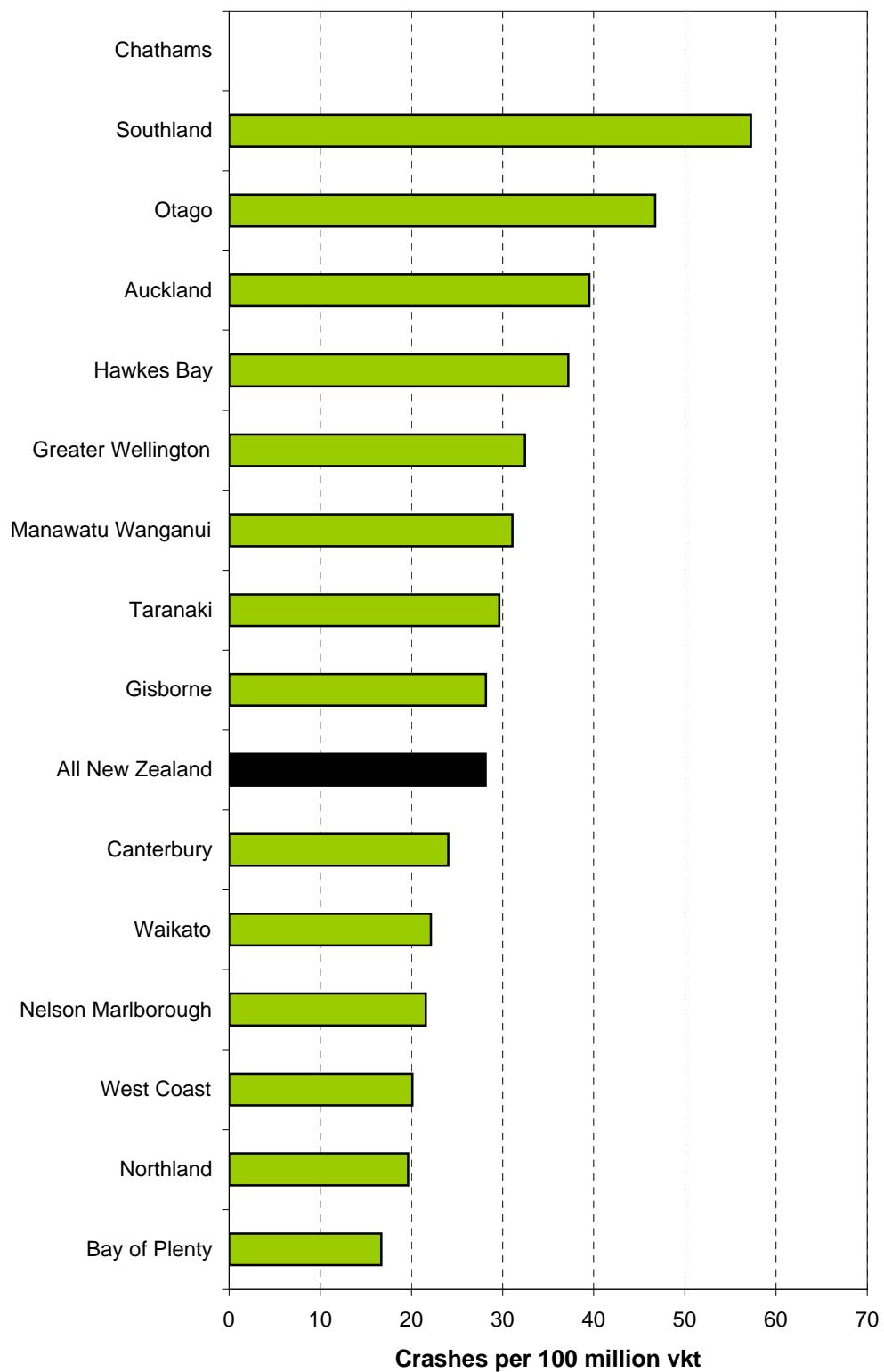
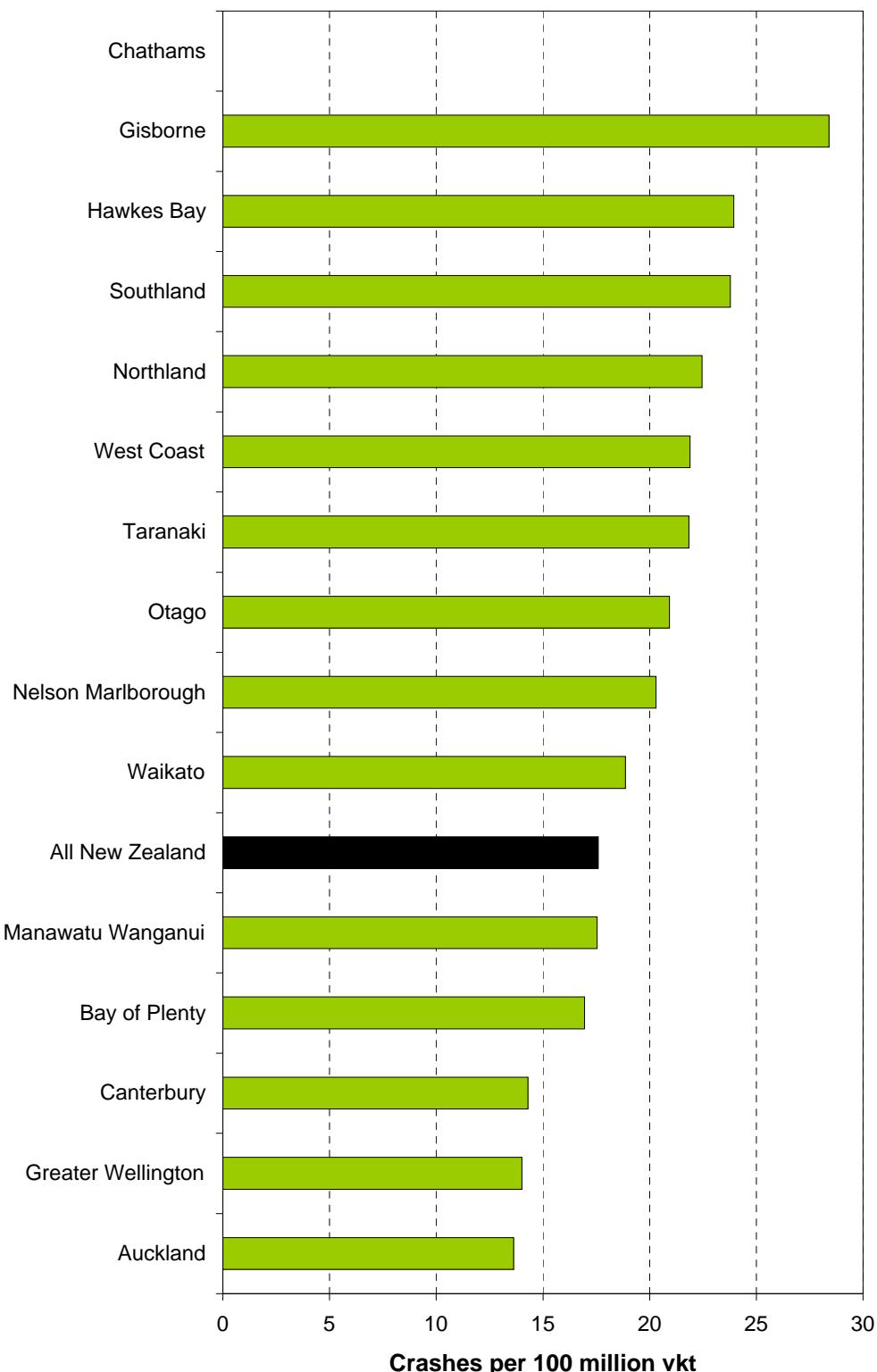


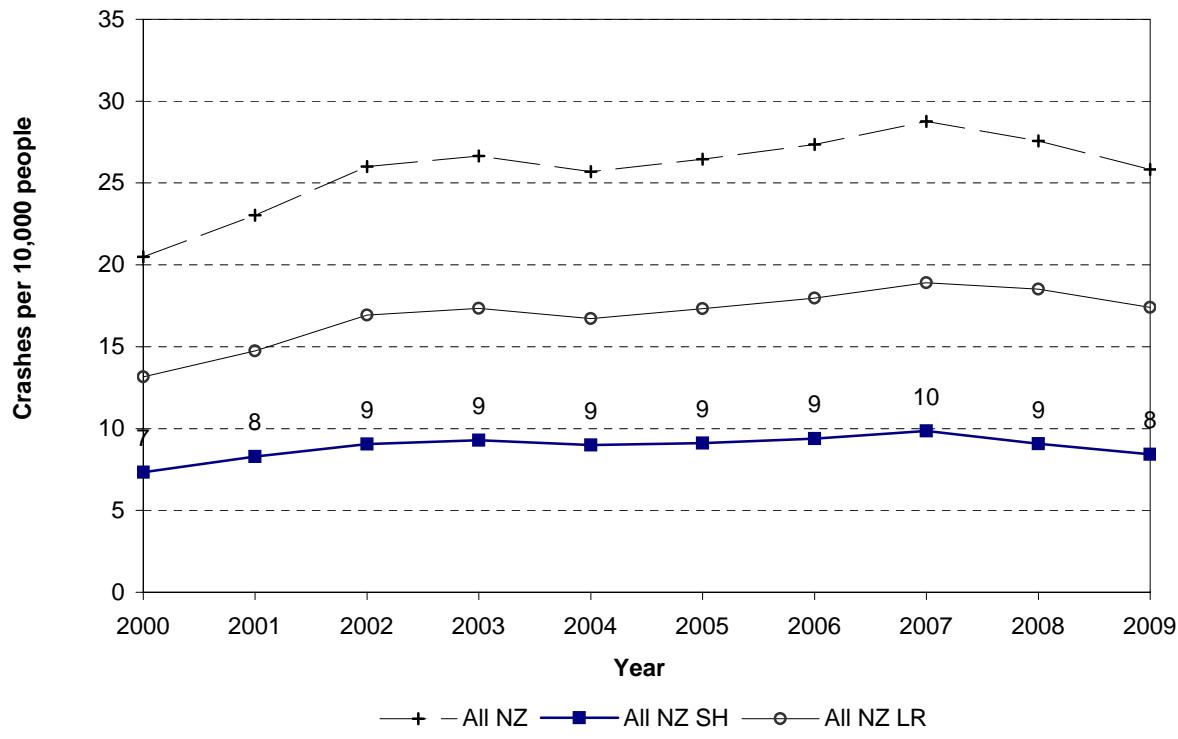
Figure 1.7 Crashes per 100 million vehicle kilometres travelled - urban state highways



**Figure 1.8 Crashes per 100 million vehicle-kilometres travelled
- rural state highways**



**Figure 1.9 Crashes per 10,000 people
All NZ state highways**



**Figure 1.10 Casualties per 10,000 people
All NZ state highways**

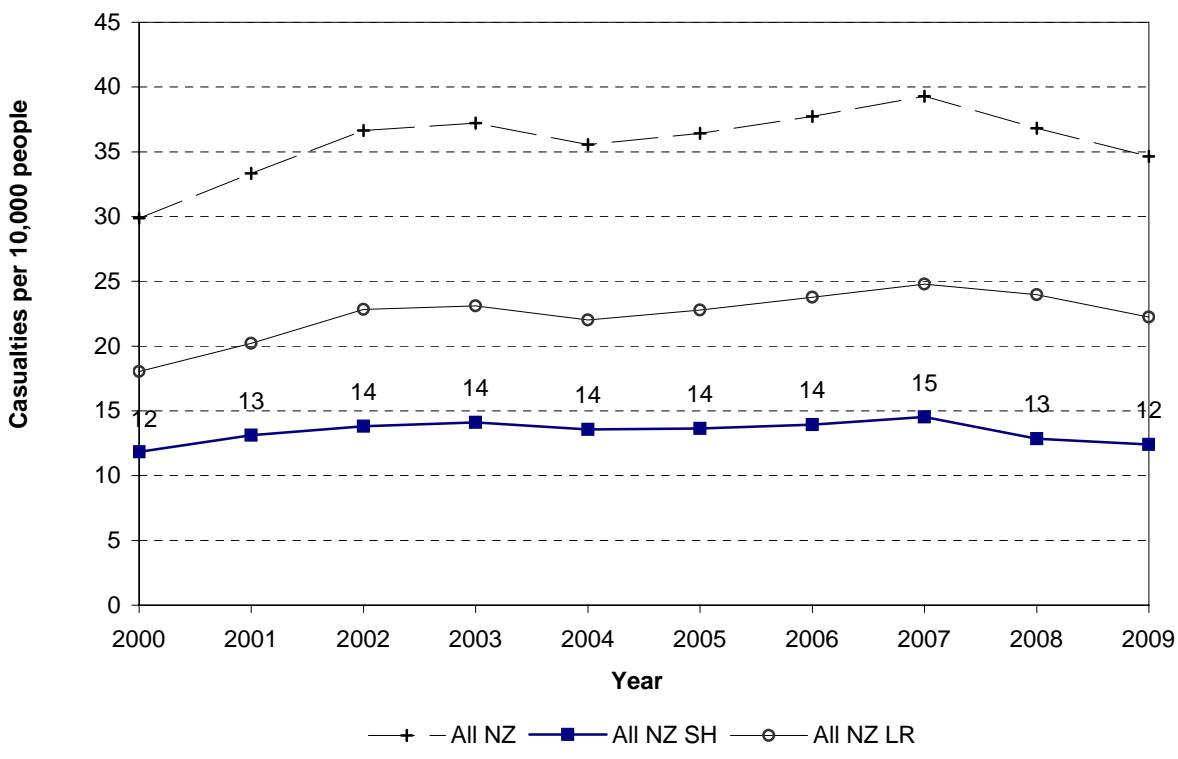


Figure 1.11 Social cost of crashes in All NZ in 2009

		All NZ	New Zealand
Council roads	urban	\$1,607.40	\$1,607.40
	rural	\$909.43	\$909.43
State Highways	urban	\$299.76	\$299.76
	rural	\$1,487.35	\$1,487.35
Total		\$4,303.94	\$4,303.94

Note: Crash costs are in \$ millions

The social costs of a road crash and the associated injuries include a number of different elements:

- Loss of life and life quality
- Loss of output due to temporary incapacitation
- Medical costs
- Legal costs
- Property damage costs

The average value of a loss of life due to a road crash is estimated by the amount of money the New Zealand population would be willing to pay for a safety improvement that would result in the expected avoidance of one premature death. This is the willingness to pay based value of statistical life or VOSL. The VOSL was established at \$2 million in 1991. This has been indexed to the average hourly earnings (ordinary time) to express the value in current dollars. The updated VOSL is \$3.5 million (in June 2009 dollars). Based on several international and New Zealand studies on VOSL, the average loss of life quality for permanent impairments due to a serious and a minor injury were estimated to be 10% and 0.4% of the VOSL respectively.

Crash rates can vary due to reporting rates. These are adjusted on a regional basis in this report by comparing with hospitalisation rates.

The other social cost components are estimated based on a number of studies conducted during the early to mid-1990s and are updated for price changes by indexing to an appropriate price index.

For a detail discussion on this, please refer to 'The social cost of road crashes and injuries: June 2009 update', available at the Ministry of Transport's website:

<http://www.transport.govt.nz/assets/NewPDFs/NewFolder/Social-Cost-June-2009-update-final.pdf>

The average social cost per reported crash (in June 2009 dollars) are estimated at:

Rural fatal crash	\$4,260,000
Rural serious crash	\$820,000
Rural minor crash	\$91,000
Urban fatal crash	\$3,775,000
Urban serious crash	\$699,000
Urban minor crash	\$82,000

These values include an allowance for non-reported injury crashes, and the totals in Fig. 1.11 also include an allowance for non-injury crashes.

Crash Counts

Figure 2.1: Crash numbers and severity 2005 to 2009 - All SH

	2005	2006	2007	2008	2009	Total	%	All NZ L.R.
Fatal crashes	189	188	191	160	176	904	5%	2%
Serious crashes	754	802	773	694	682	3705	19%	18%
Minor crashes	2825	2937	3204	3014	2775	14755	76%	80%
Total injury crashes	3768	3927	4168	3868	3633	19364	100%	100%
Non-injury crashes	7915	8304	8414	7968	8006	40607		

Figure 2.2: Crash numbers and severity 2005 to 2009 - urban state highways

	2005	2006	2007	2008	2009	Total	%	All NZ L.R.
Fatal crashes	22	18	24	21	18	103	2%	1%
Serious crashes	128	172	157	138	144	739	15%	16%
Minor crashes	757	816	848	884	794	4099	83%	83%
Total injury crashes	907	1006	1029	1043	956	4941	100%	100%
Non-injury crashes	2713	2831	2942	2908	2883	14277		

Figure 2.3: Crash numbers and severity 2005 to 2009 - rural state highways

	2005	2006	2007	2008	2009	Total	%	All NZ L.R.
Fatal crashes	167	170	167	139	158	801	6%	5%
Serious crashes	626	630	616	556	538	2966	21%	25%
Minor crashes	2068	2121	2356	2130	1981	10656	74%	70%
Total injury crashes	2861	2921	3139	2825	2677	14423	100%	100%
Non-injury crashes	5202	5473	5472	5060	5123	26330		

Figure 2.4: Casualty numbers and severity 2005 to 2009 - All SH

	2005	2006	2007	2008	2009	Total	%	All NZ L.R.
Fatal casualties	241	220	221	179	201	1062	4%	2%
Serious casualties	1016	1067	1055	924	921	4983	18%	16%
Minor casualties	4381	4548	4862	4379	4234	22404	79%	82%
Total casualties	5638	5835	6138	5482	5356	28449	100%	100%

Figure 2.5: Casualty numbers and severity 2005 to 2009 - urban state highways

	2005	2006	2007	2008	2009	Total	%	All NZ L.R.
Fatal casualties	23	18	26	24	18	109	2%	1%
Serious casualties	146	184	188	175	162	855	13%	14%
Minor casualties	1075	1147	1185	1211	1061	5679	85%	85%
Total casualties	1244	1349	1399	1410	1241	6643	100%	100%

Figure 2.6: Casualty numbers and severity 2005 to 2009 - rural state highways

	2005	2006	2007	2008	2009	Total	%	All NZ L.R.
Fatal casualties	218	202	195	155	183	953	4%	4%
Serious casualties	870	883	867	749	759	4128	19%	22%
Minor casualties	3306	3401	3677	3168	3173	16725	77%	74%
Total casualties	4394	4486	4739	4072	4115	21806	100%	100%

Figure 2.1: Crash numbers and severity 2005 to 2009 - all local roads

	2005	2006	2007	2008	2009	Total	%	All NZ L.R.
Fatal crashes	152	162	184	170	161	829	2%	2%
Serious crashes	1363	1383	1395	1449	1291	6881	18%	18%
Minor crashes	5649	5971	6411	6283	6059	30373	80%	80%
Total injury crashes	7164	7516	7990	7902	7511	38083	100%	100%
Non-injury crashes	19528	20052	21094	19786	18859	99319		

Figure 2.2: Crash numbers and severity 2005 to 2009 - urban local roads

	2005	2006	2007	2008	2009	Total	%	All NZ L.R.
Fatal crashes	69	84	77	65	74	369	1%	1%
Serious crashes	896	934	953	994	858	4635	16%	16%
Minor crashes	4472	4705	5079	4999	4886	24141	83%	83%
Total injury crashes	5437	5723	6109	6058	5818	29145	100%	100%
Non-injury crashes	17320	17853	18695	17354	16551	87773		

Figure 2.3: Crash numbers and severity 2005 to 2009 - rural local roads

	2005	2006	2007	2008	2009	Total	%	All NZ L.R.
Fatal crashes	83	78	107	105	87	460	5%	5%
Serious crashes	467	449	442	455	433	2246	25%	25%
Minor crashes	1177	1266	1332	1284	1173	6232	70%	70%
Total injury crashes	1727	1793	1881	1844	1693	8938	100%	100%
Non-injury crashes	2208	2199	2399	2432	2308	11546		

Figure 2.4: Casualty numbers and severity 2005 to 2009 - all local roads

	2005	2006	2007	2008	2009	Total	%	All NZ L.R.
Fatal casualties	164	173	200	186	183	906	2%	2%
Serious casualties	1570	1622	1660	1661	1516	8029	16%	16%
Minor casualties	7684	8157	8618	8383	7895	40737	82%	82%
Total casualties	9418	9952	10478	10230	9594	49672	100%	100%

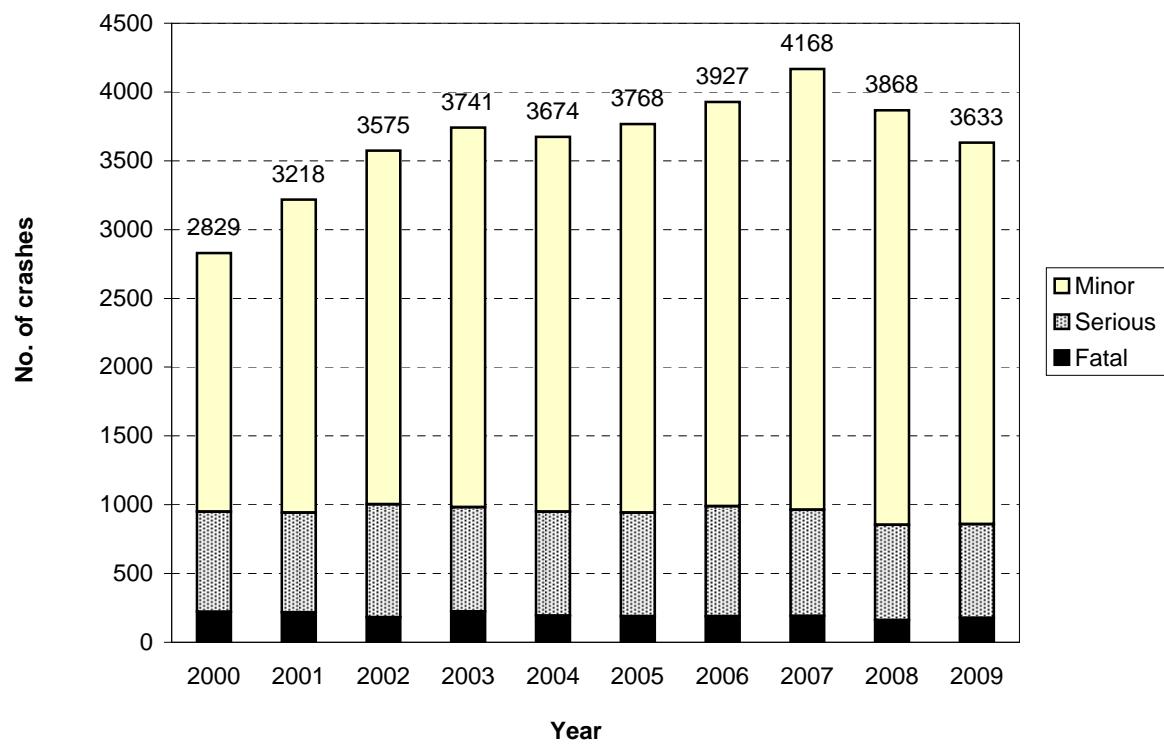
Figure 2.5: Casualty numbers and severity 2005 to 2009 - urban local roads

	2005	2006	2007	2008	2009	Total	%	All NZ L.R.
Fatal casualties	74	88	77	66	84	389	1%	1%
Serious casualties	996	1062	1080	1083	977	5198	14%	14%
Minor casualties	5801	6192	6603	6407	6188	31191	85%	85%
Total casualties	6871	7342	7760	7556	7249	36778	100%	100%

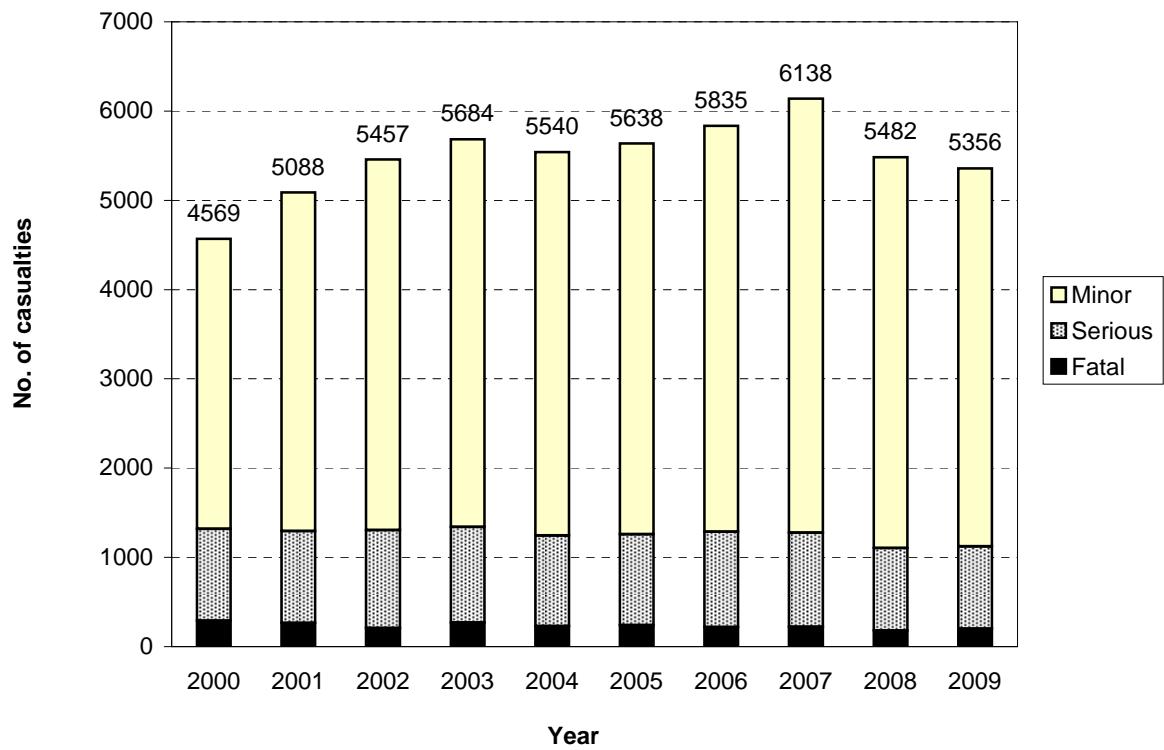
Figure 2.6: Casualty numbers and severity 2005 to 2009 - rural local roads

	2005	2006	2007	2008	2009	Total	%	All NZ L.R.
Fatal casualties	90	85	123	120	99	517	4%	4%
Serious casualties	574	560	580	578	539	2831	22%	22%
Minor casualties	1883	1965	2015	1976	1707	9546	74%	74%
Total casualties	2547	2610	2718	2674	2345	12894	100%	100%

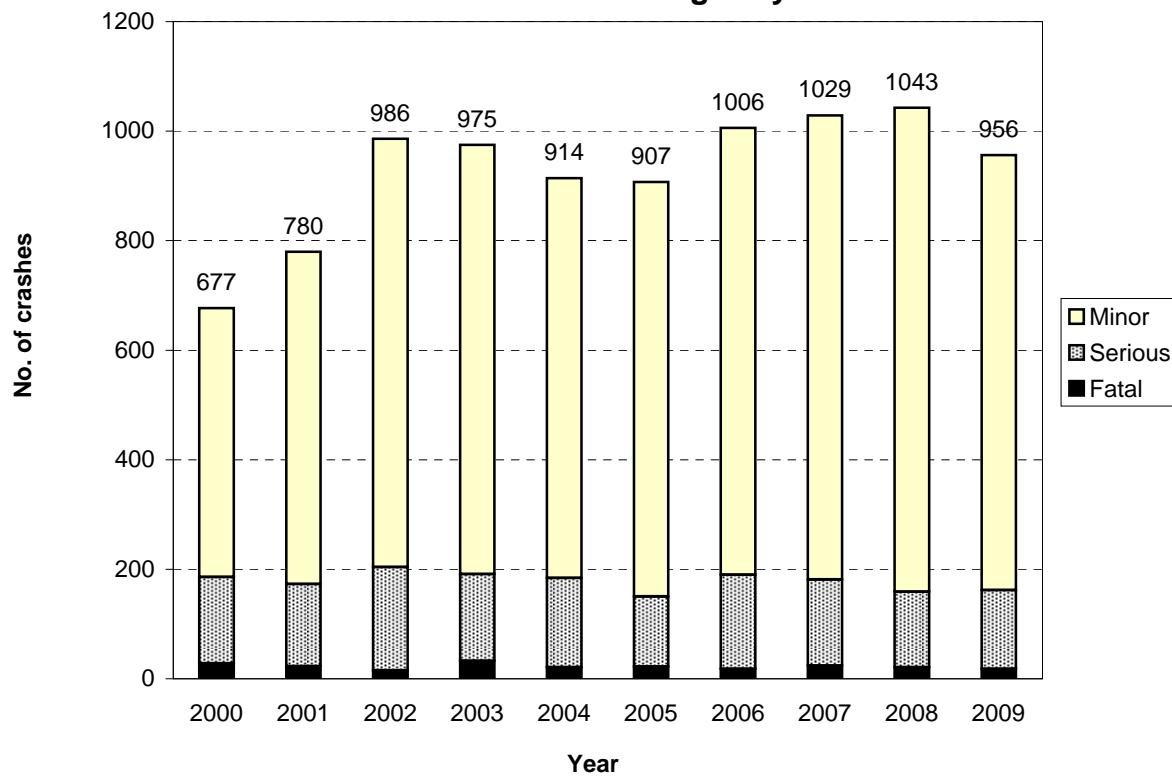
**Figure 2.7 Number of injury crashes
All NZ state highways (urban & rural)**



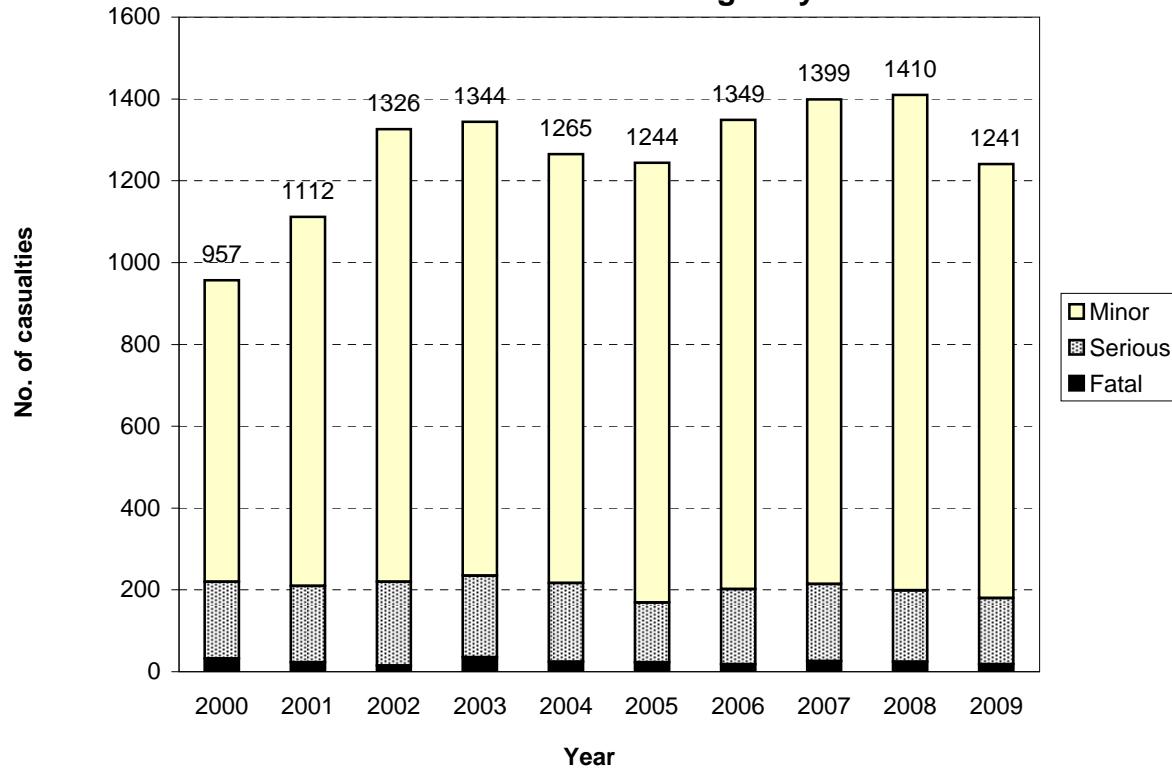
**Figure 2.8 Number of casualties
All NZ state highways (urban & rural)**



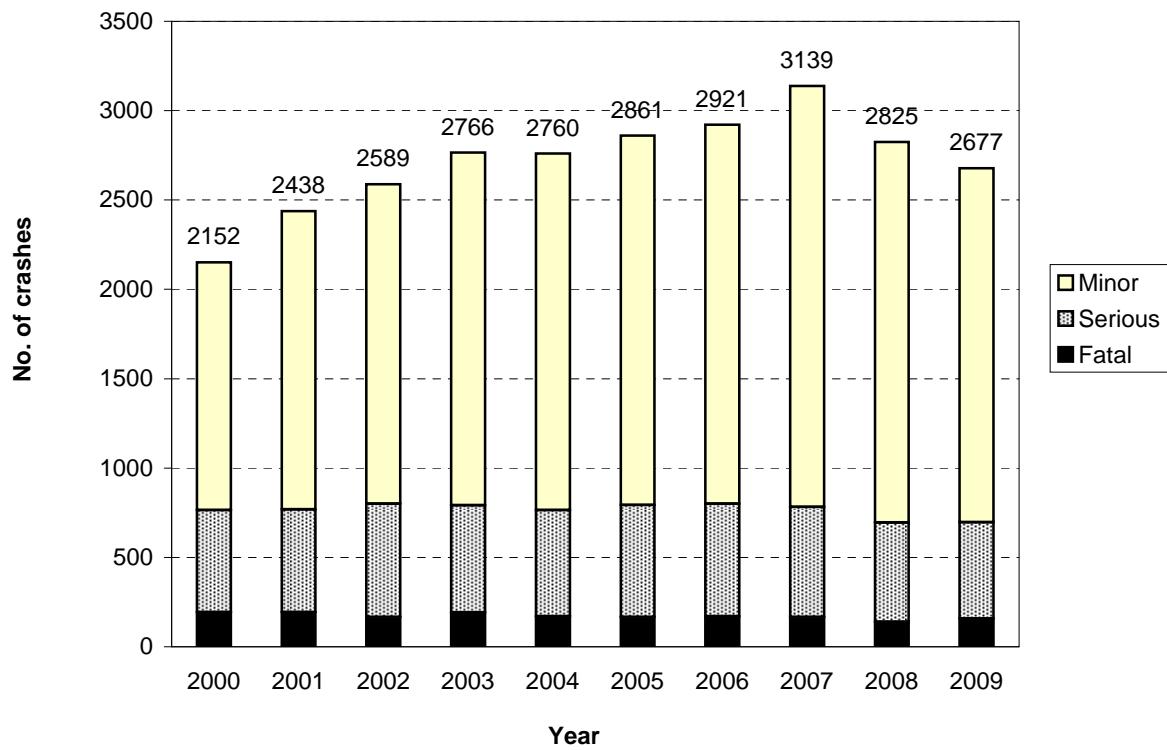
**Figure 2.9 Number of injury crashes
All NZ - urban state highways**



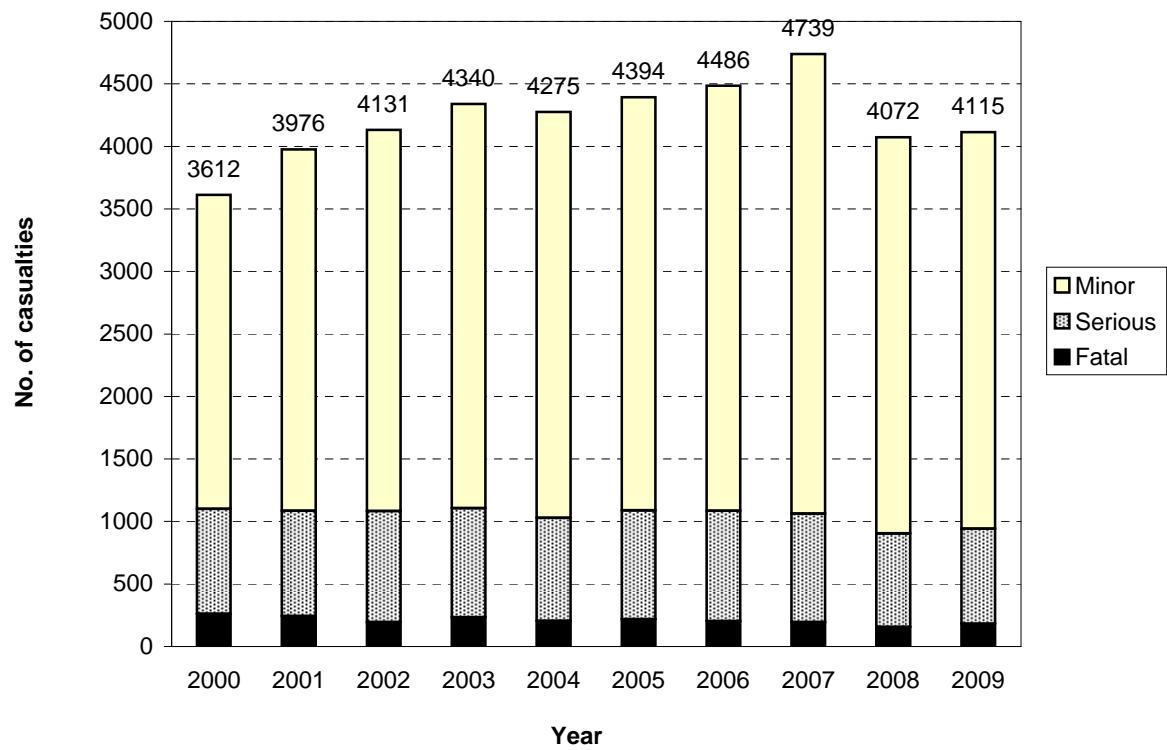
**Figure 2.10 Number of casualties
All NZ - urban state highways**



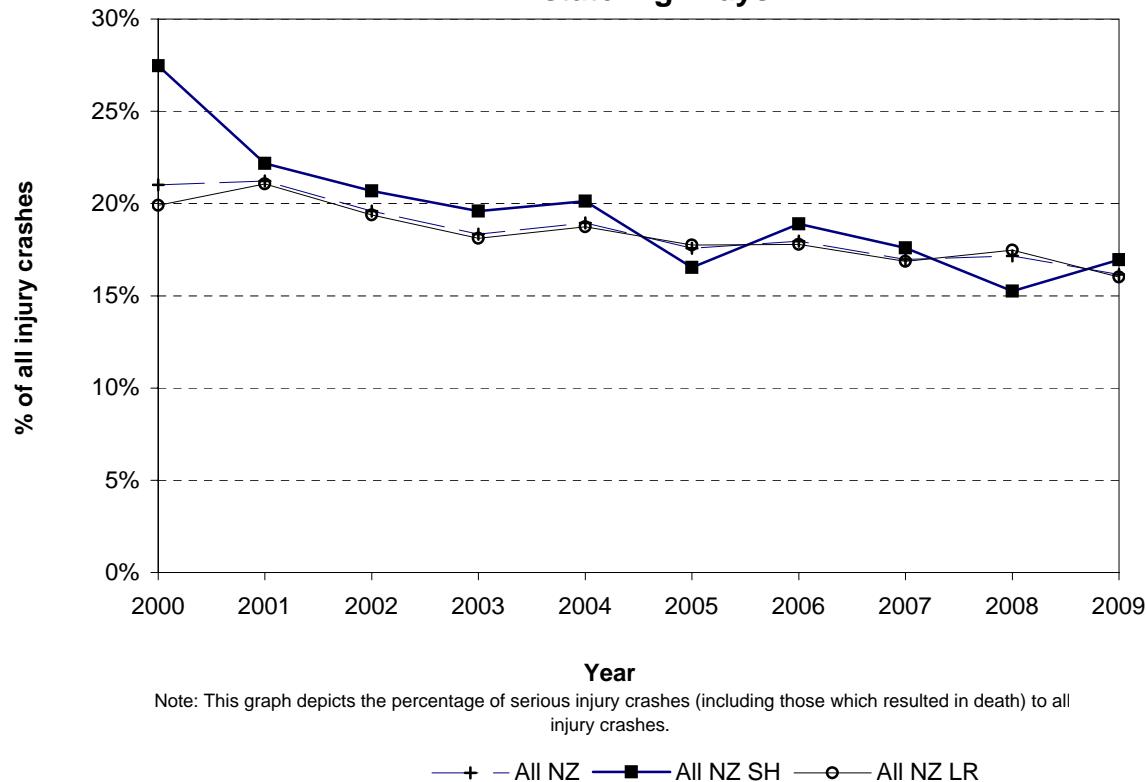
**Figure 2.11 Number of injury crashes
All NZ - rural state highways**



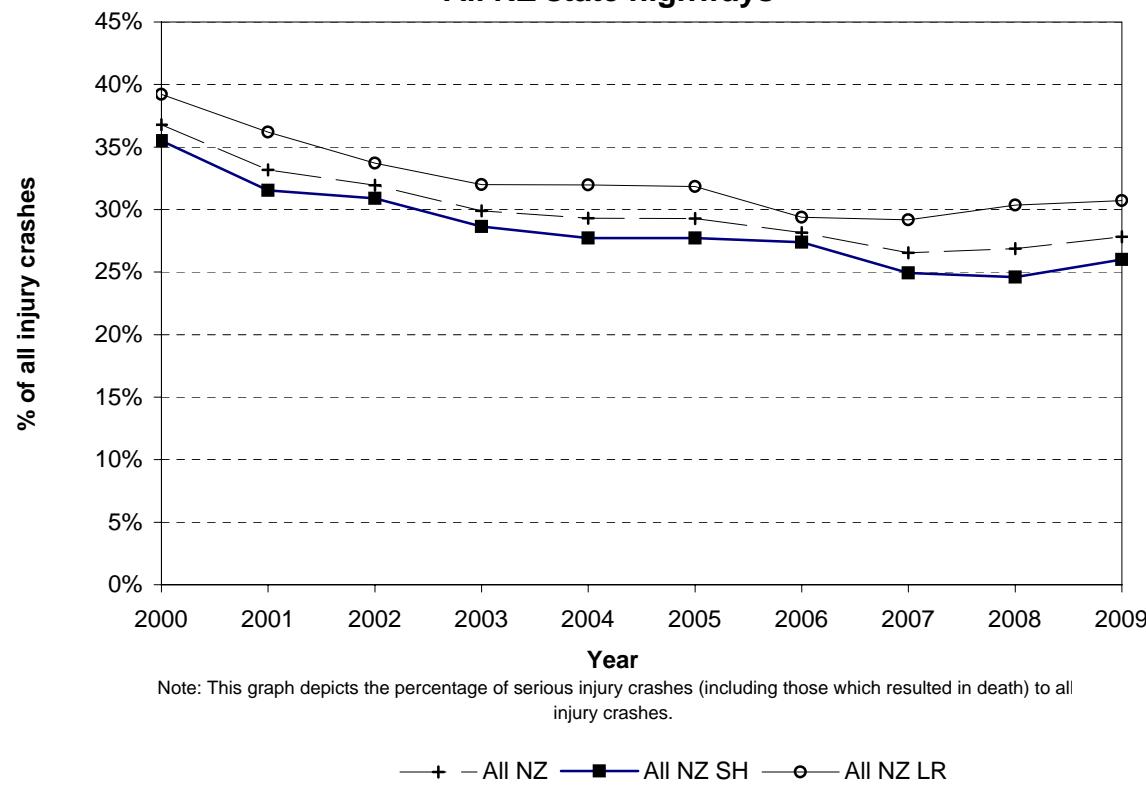
**Figure 2.12 Number of casualties
All NZ - rural state highways**



**Figure 2.13 Severity ratio - urban
All NZ state highways**

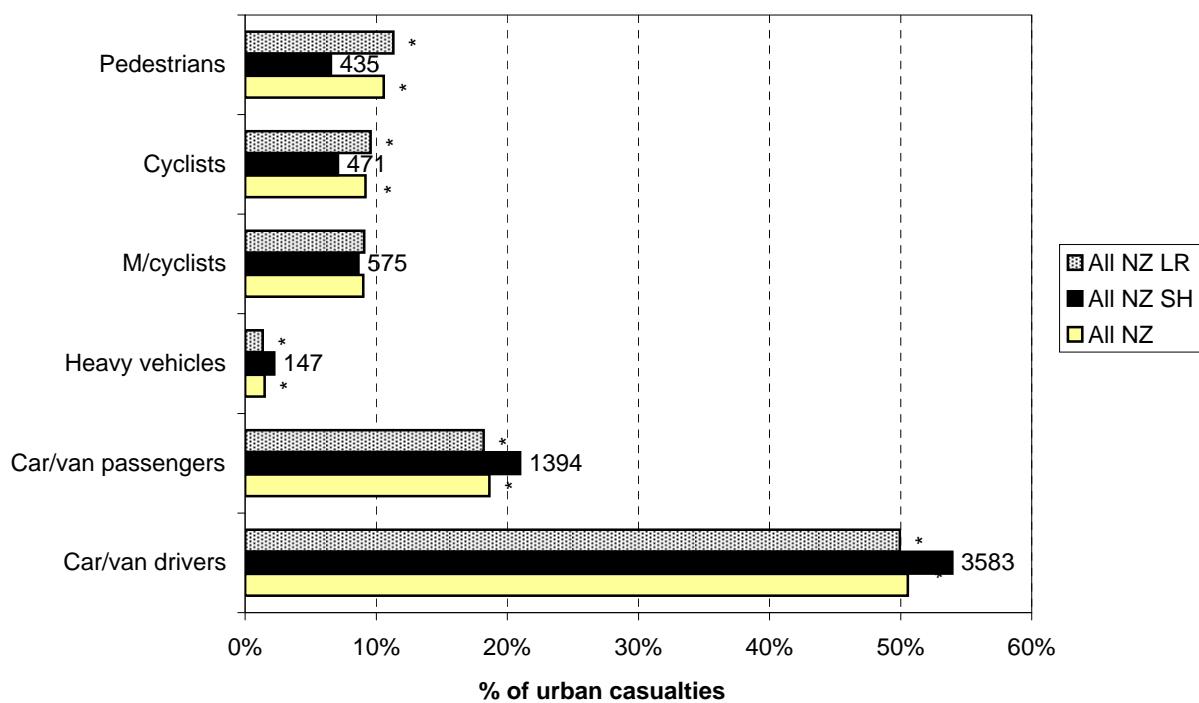


**Figure 2.14 Severity ratio - rural
All NZ state highways**

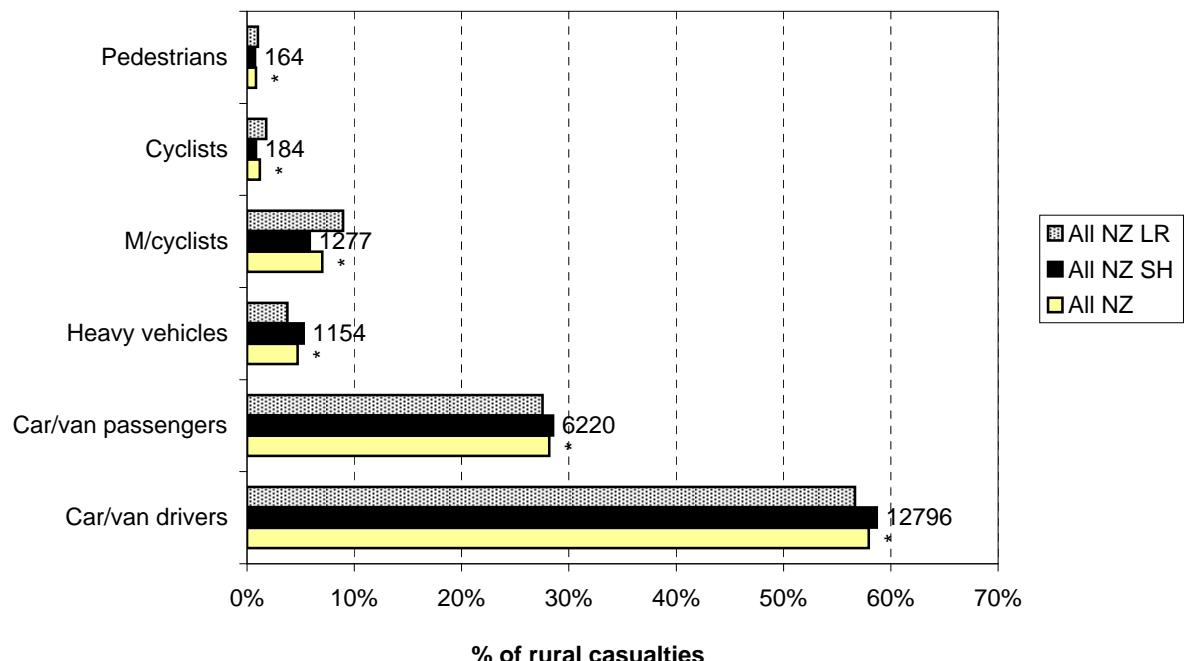


Road User Statistics

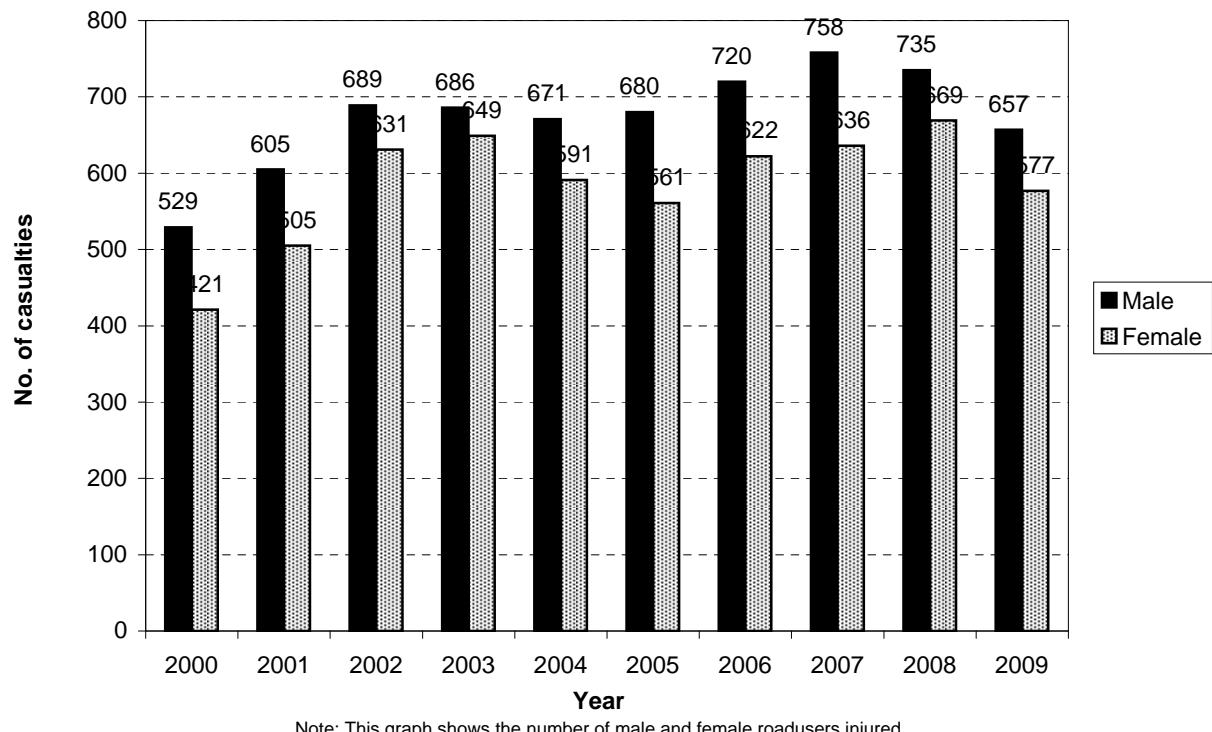
**Figure 3.1 Road user casualties - urban
All NZ state highways (2005-2009)**



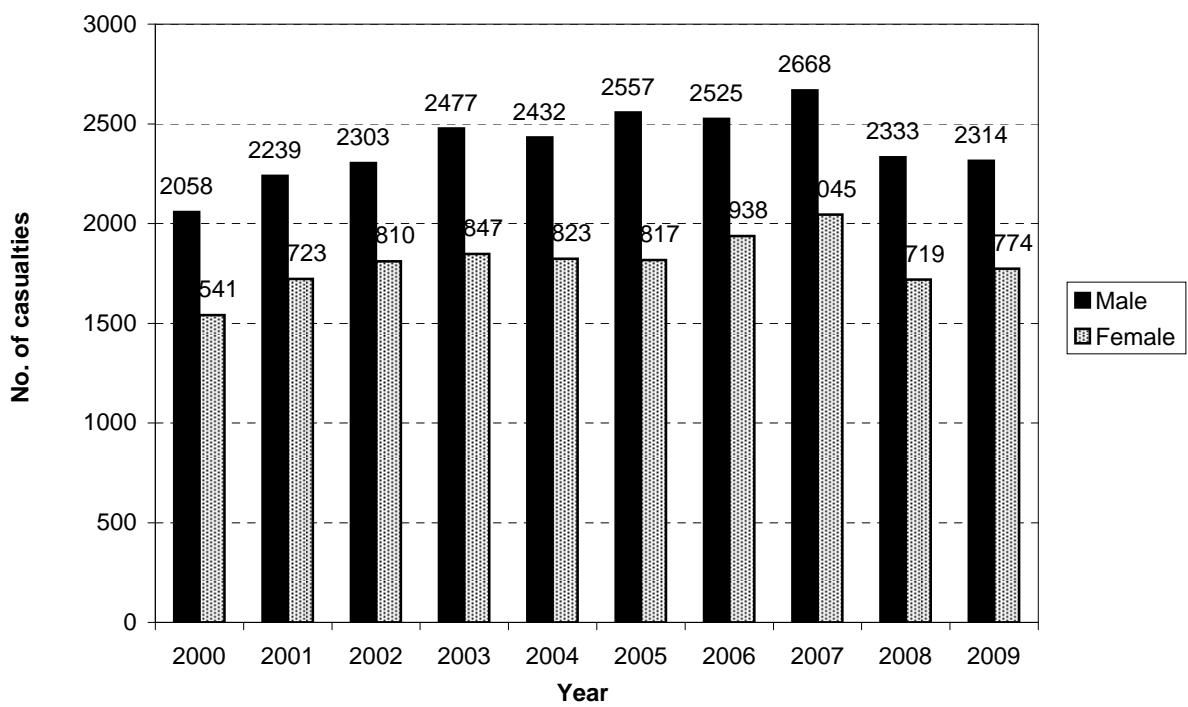
**Figure 3.2 Road user casualties - rural
All NZ state highways (2005-2009)**



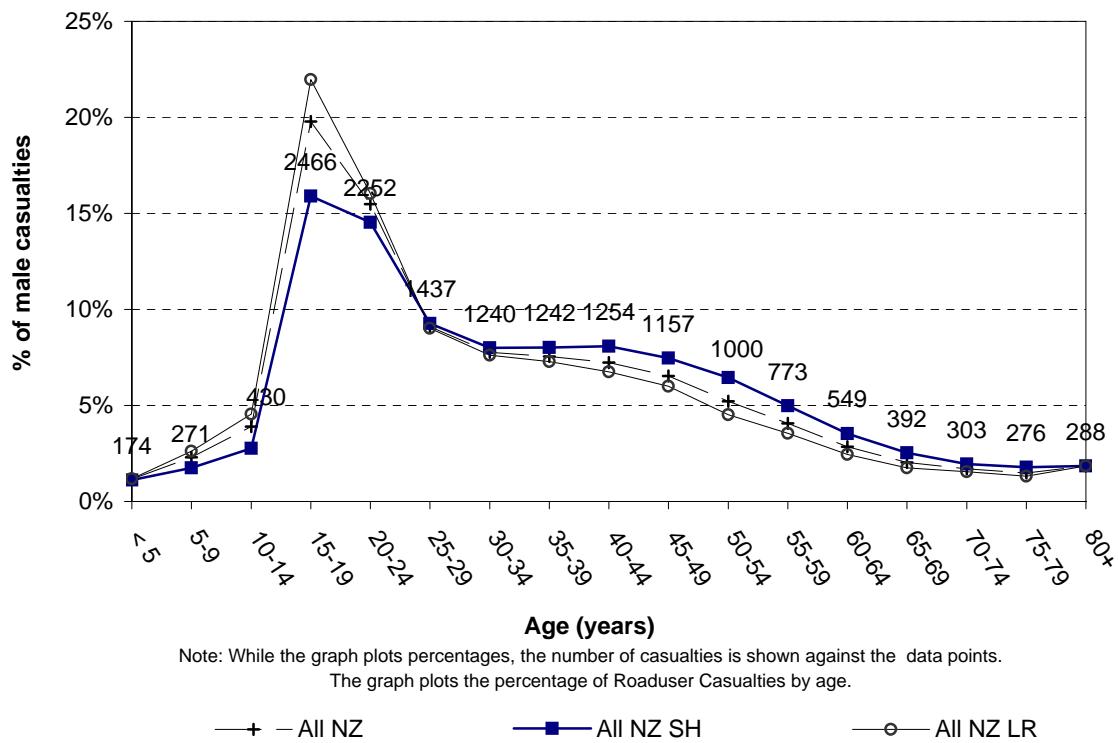
**Figure 3.3 Male/female casualties - urban
All NZ state highways**



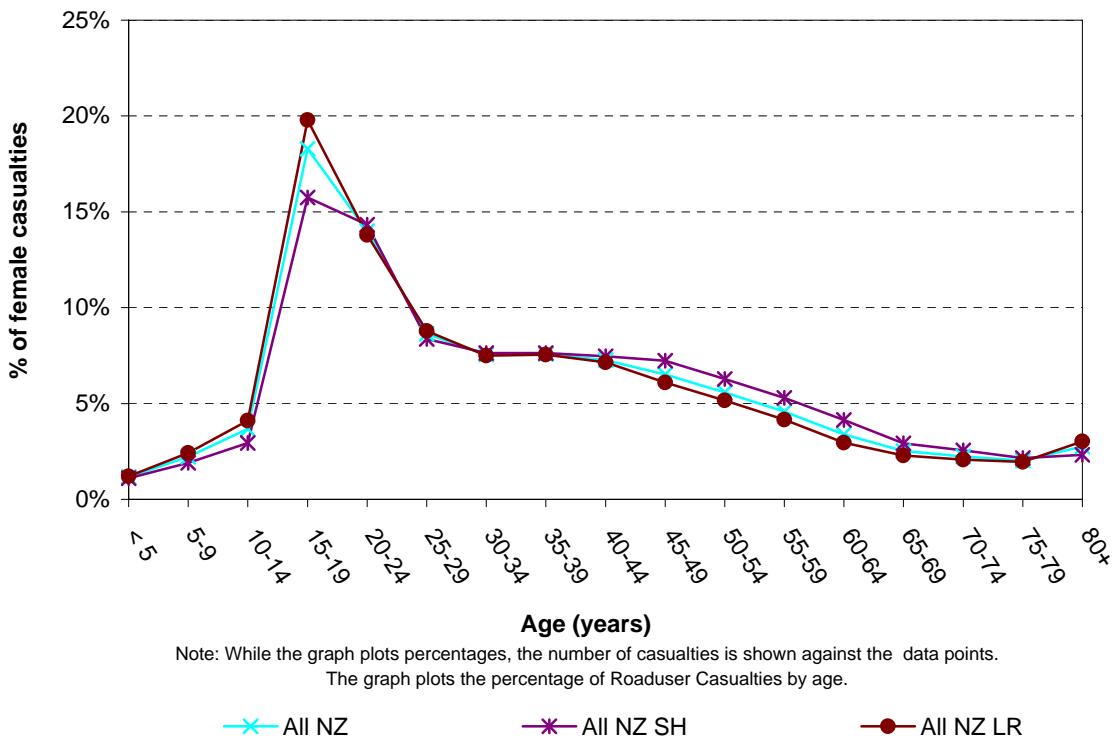
**Figure 3.4 Male/female casualties - rural
All NZ state highways**



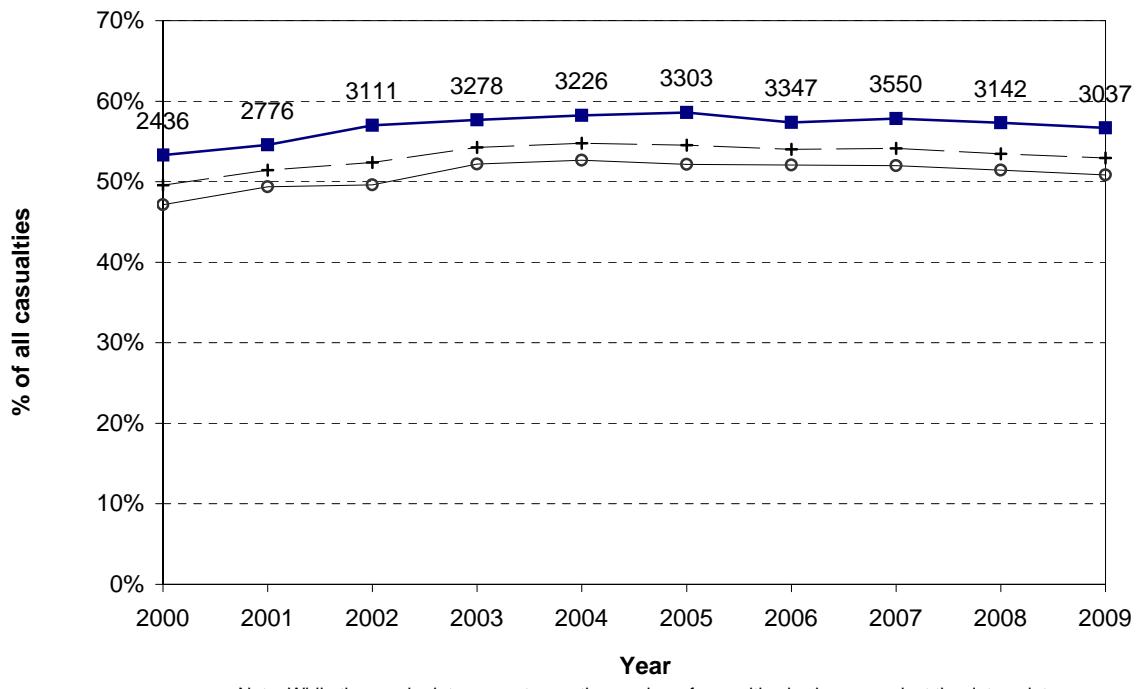
**Figure 3.5 Male casualties by age
All NZ state highways (2005-2009)**



**Figure 3.6 Female casualties by age
All NZ state highways (2005-2009)**



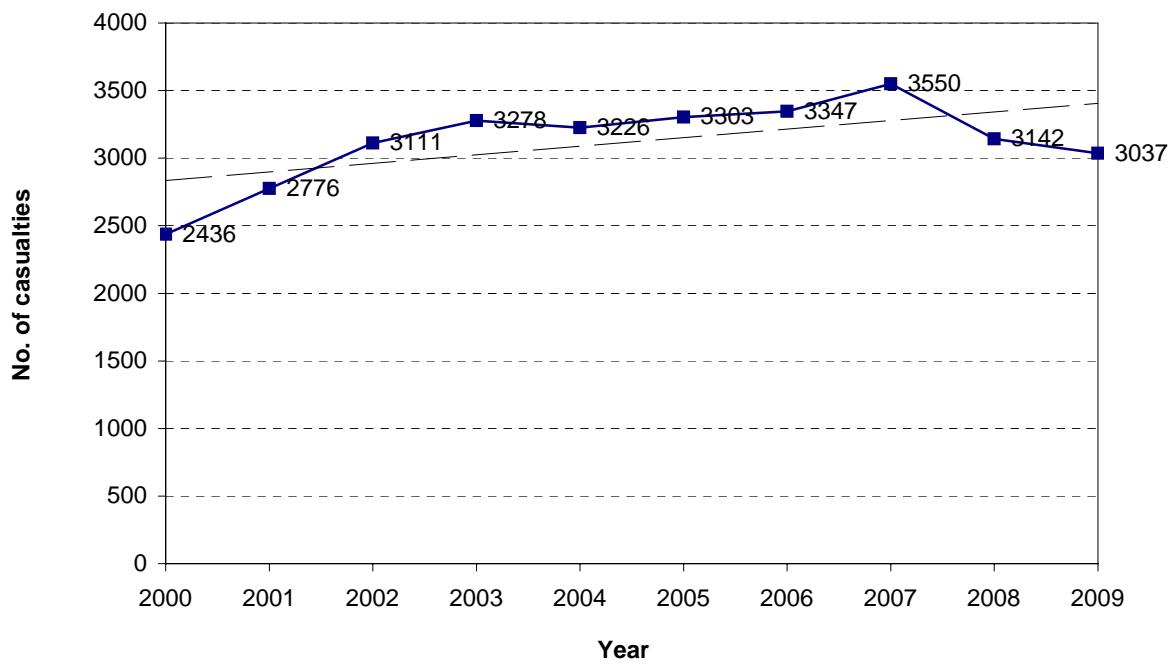
**Figure 3.7 Car/van driver casualties
All NZ state highways**



Note: While the graph plots percentages, the number of casualties is shown against the data points

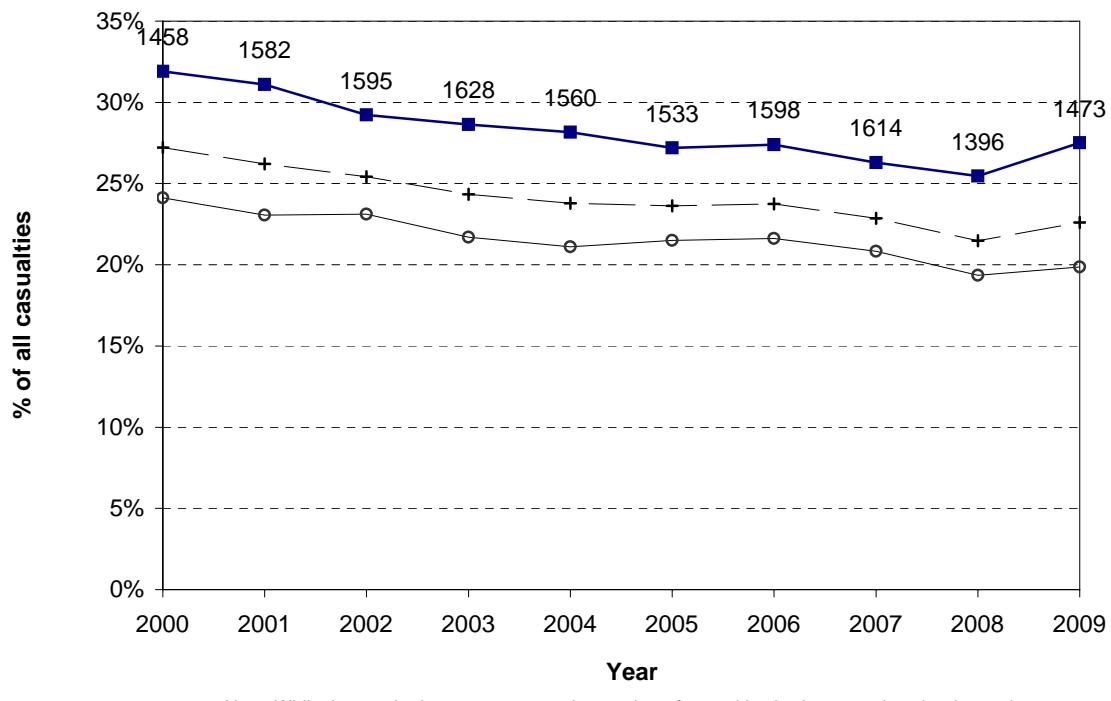
—+— All NZ —■— All NZ SH —○— All NZ LR

**Figure 3.8 Car/van driver casualties
All NZ state highways**



Note: Dotted line represents the ten year trend line

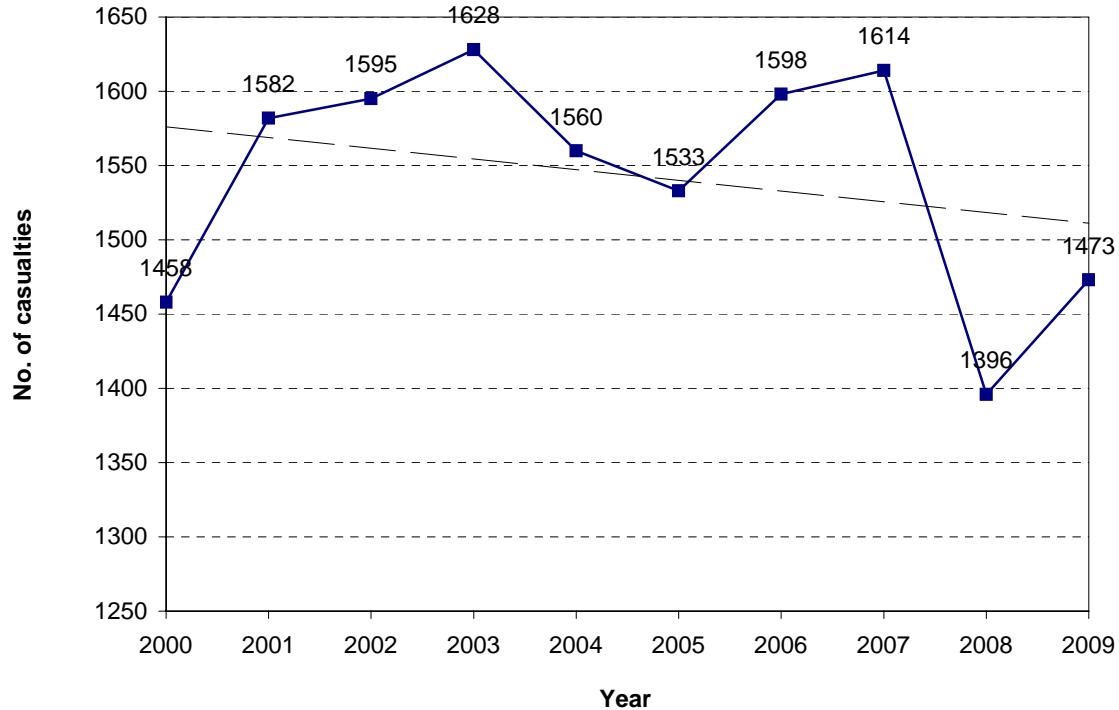
**Figure 3.9 Car/van passenger casualties
All NZ state highways**



Note: While the graph plots percentages, the number of casualties is shown against the data points.

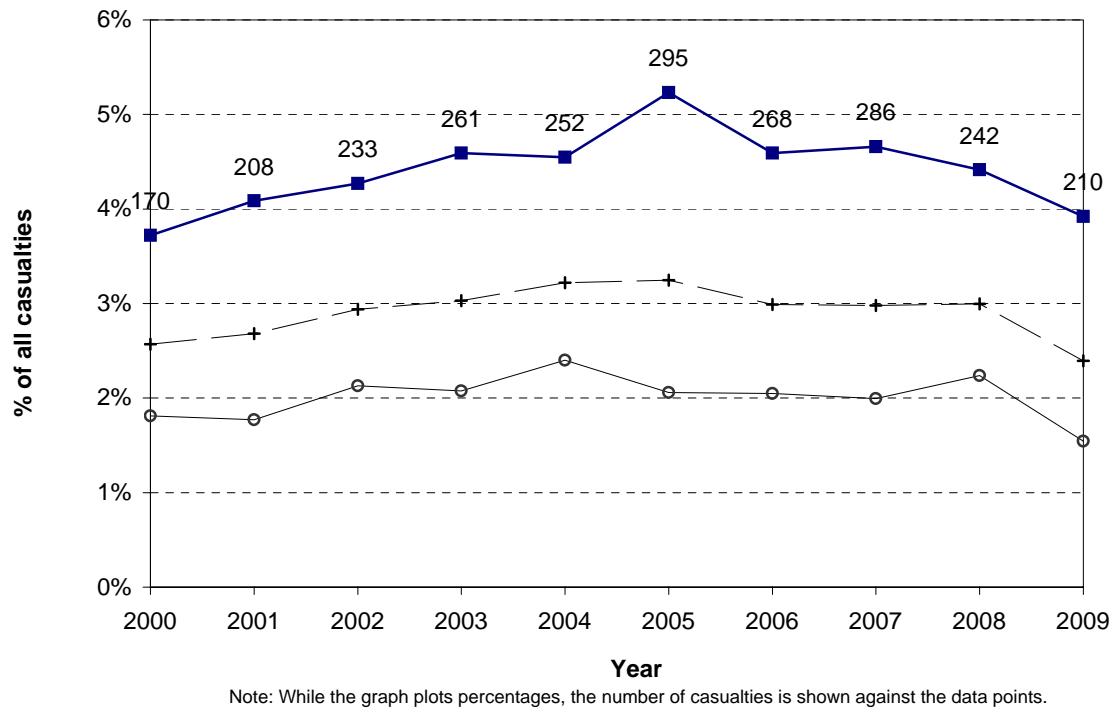
—+— All NZ —■— All NZ SH —○— All NZ LR

**Figure 3.10 Car/van passenger casualties
All NZ state highways**

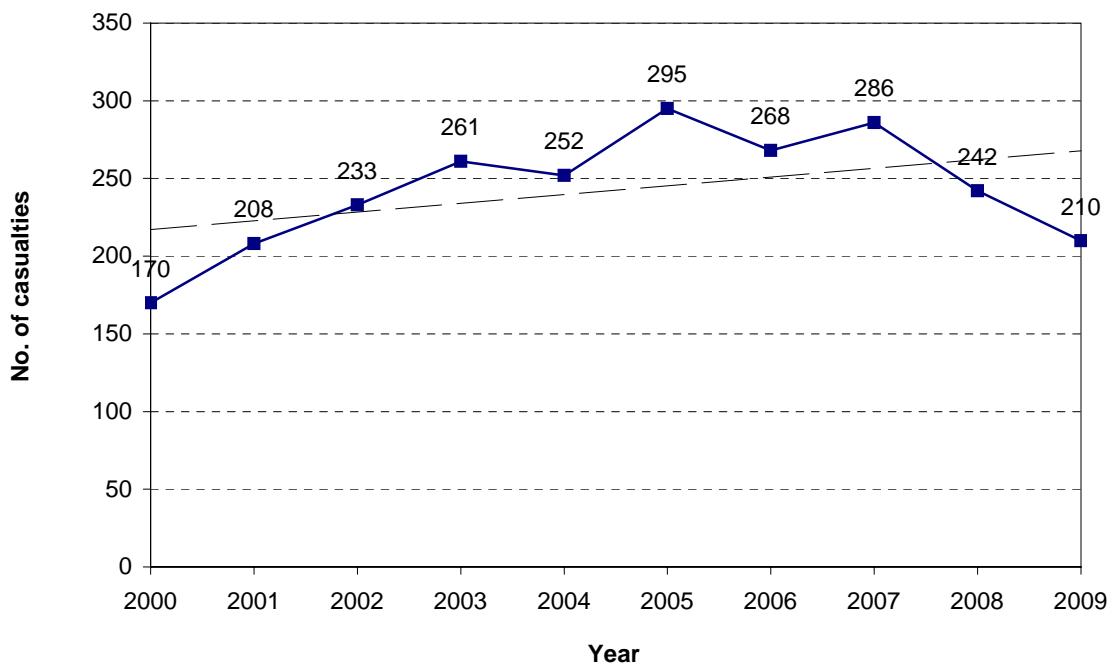


Note: Dotted line represents the ten year trend line

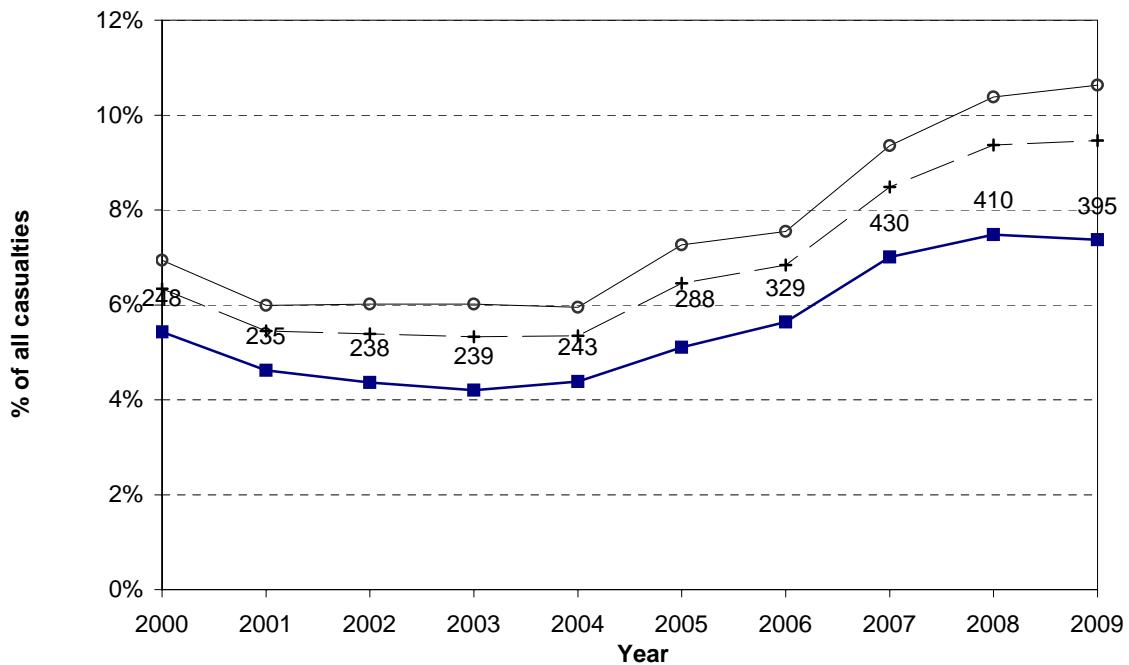
**Figure 3.11 Heavy vehicle casualties
All NZ state highways**



**Figure 3.12 Heavy vehicle casualties
All NZ state highways**



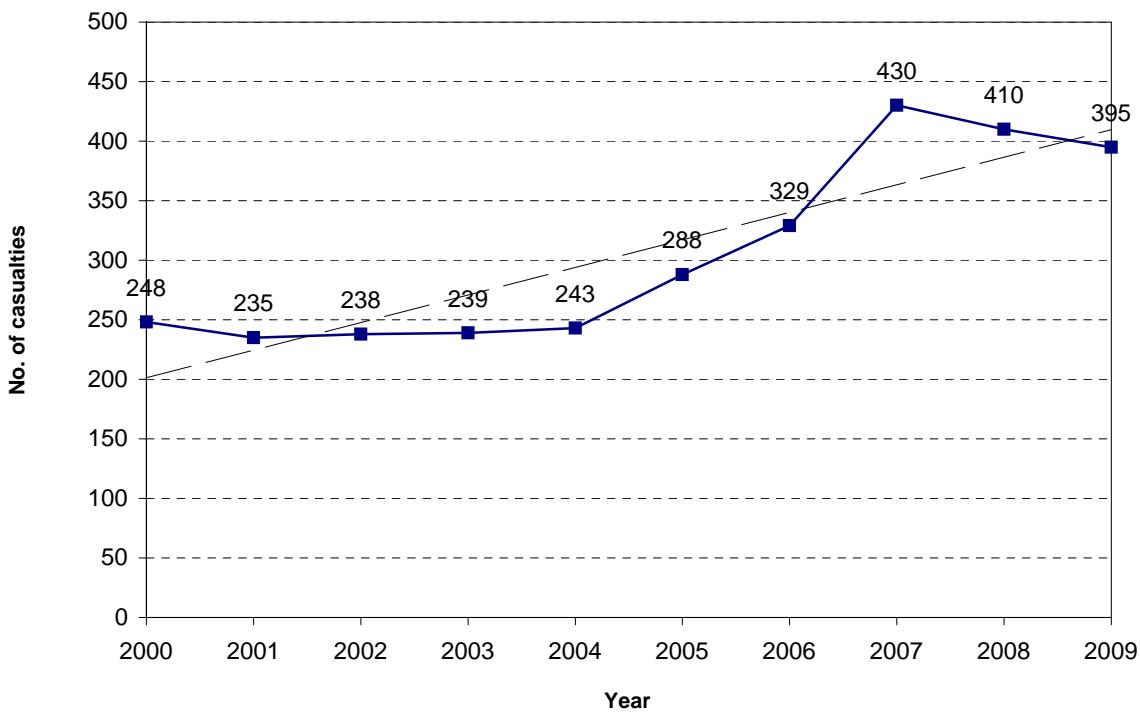
**Figure 3.13 Motorcyclist casualties
All NZ state highways**



Note: While the graph plots percentages, the number of casualties is shown against the data points.

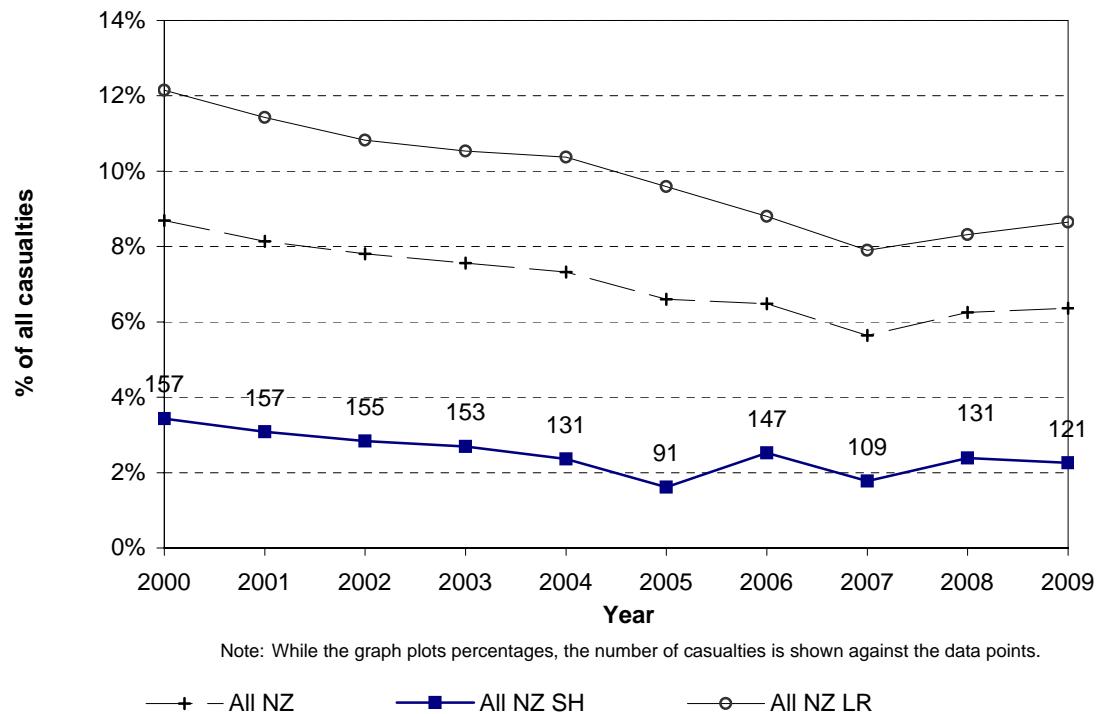
—+— All NZ —■— All NZ SH —○— All NZ LR

**Figure 3.14 Motorcyclist casualties
All NZ state highways**

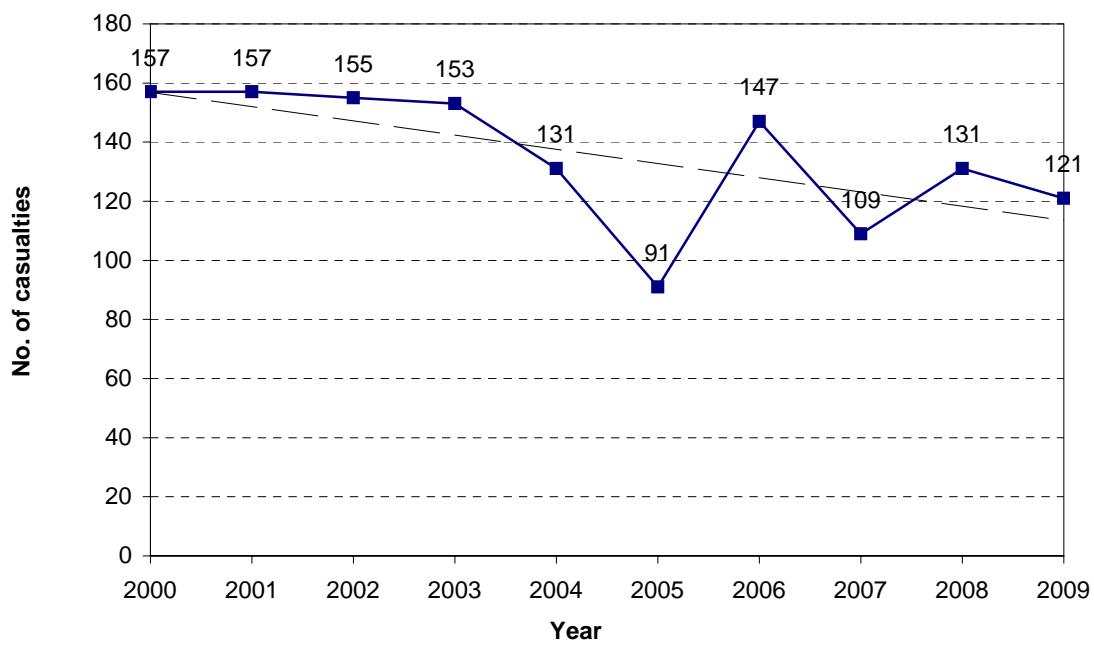


Note: Dotted line represents the ten year trend line

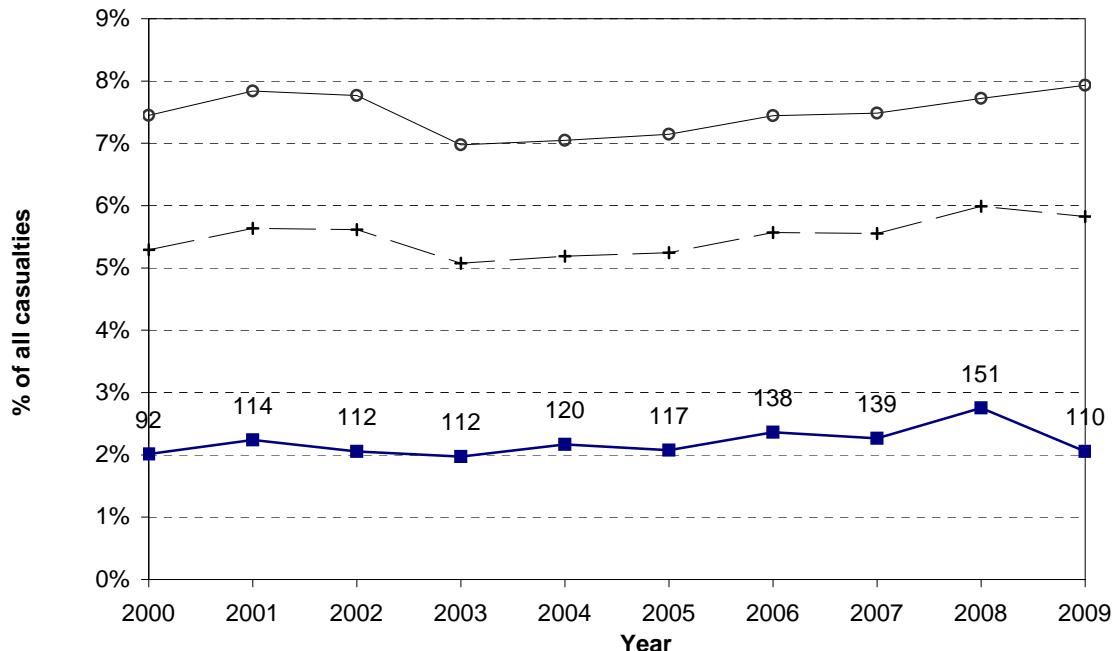
**Figure 3.15 Pedestrian casualties
All NZ state highways**



**Figure 3.16 Pedestrian casualties
All NZ state highways**



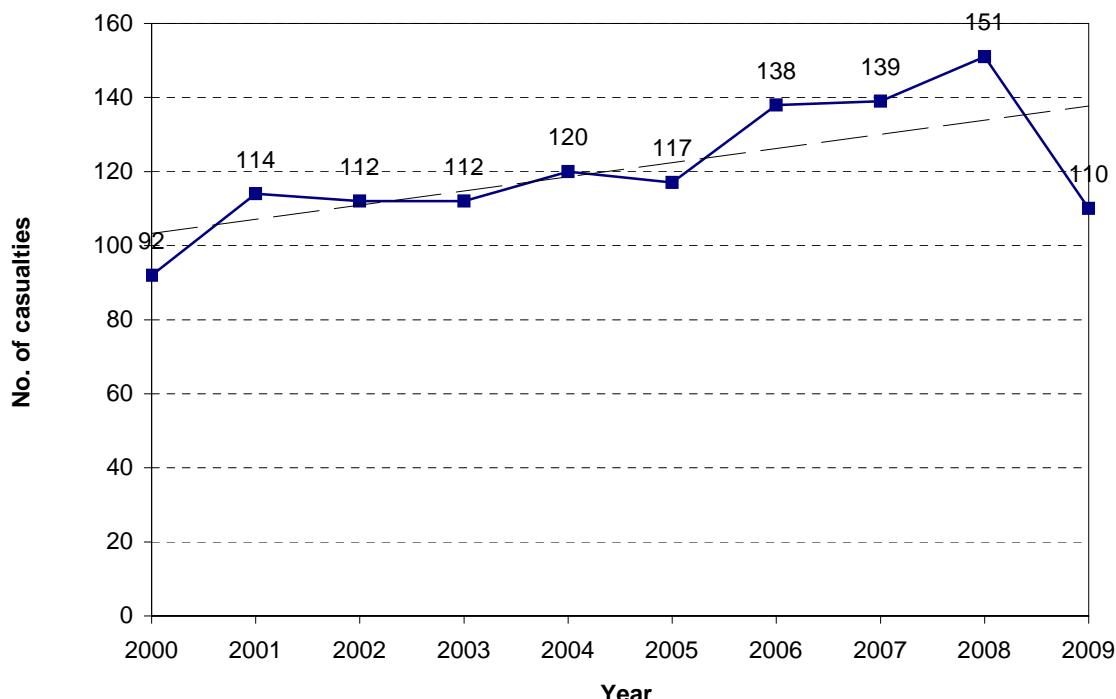
**Figure 3.17 Cyclist casualties
All NZ state highways**



Note: While the graph plots percentages, the number of casualties is shown against the data points.

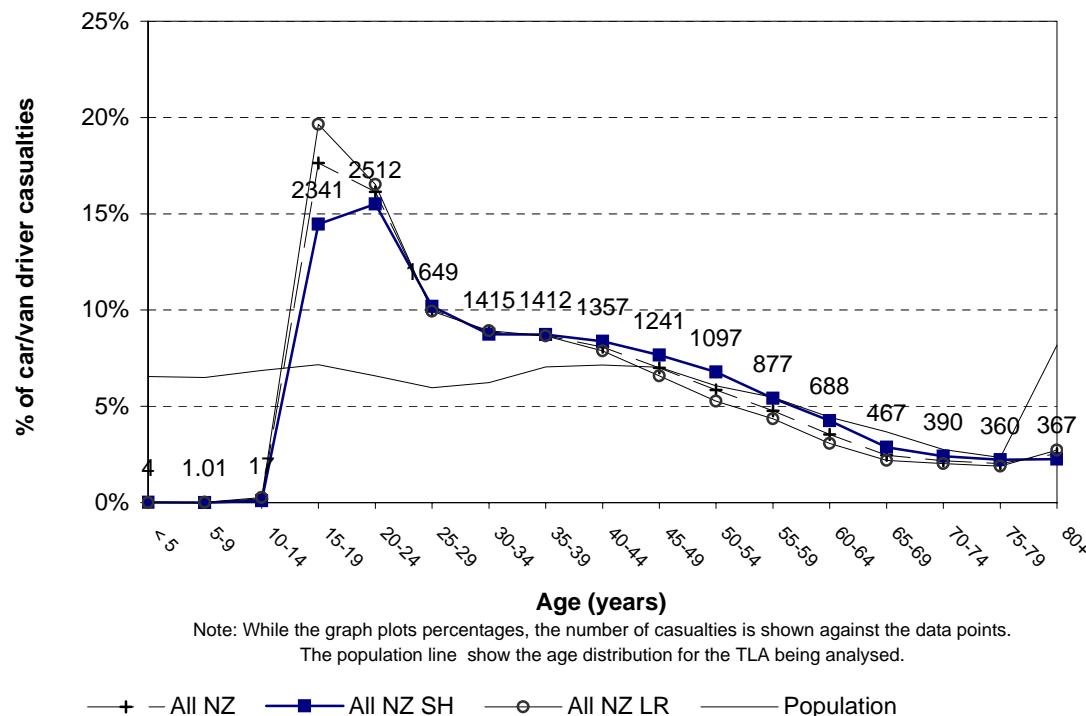
—+— All NZ —■— All NZ SH —○— All NZ LR

**Figure 3.18 Cyclist casualties
All NZ state highways**

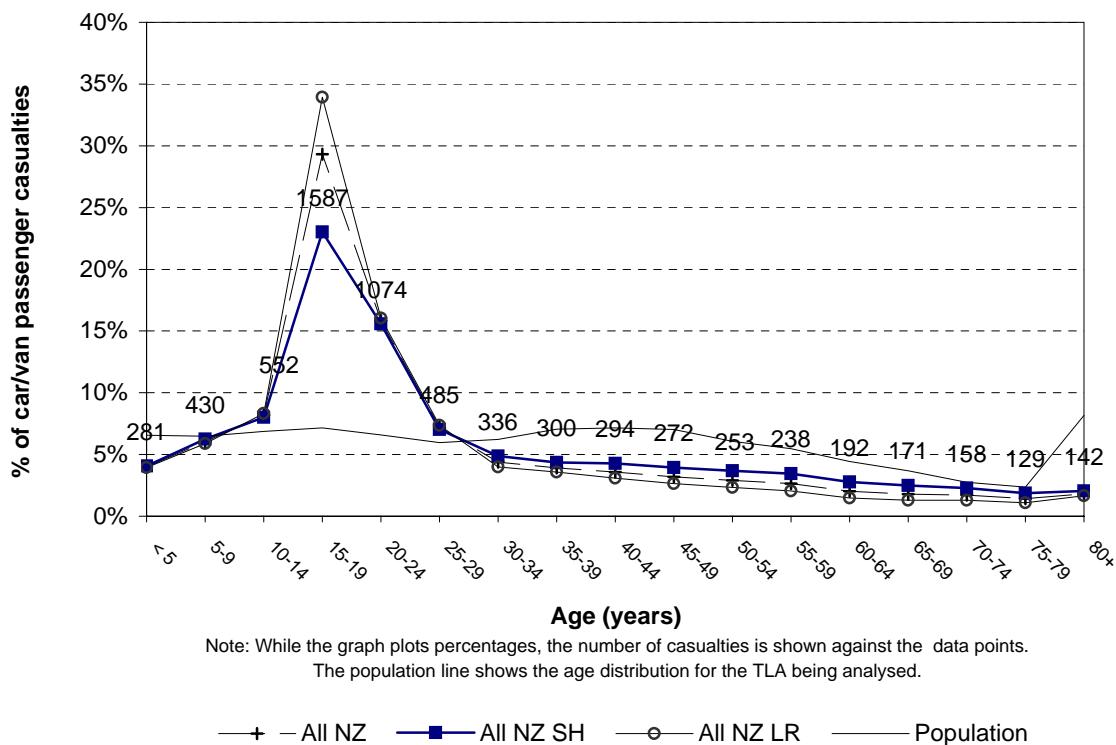


Note: Dotted line represents the ten year trend line

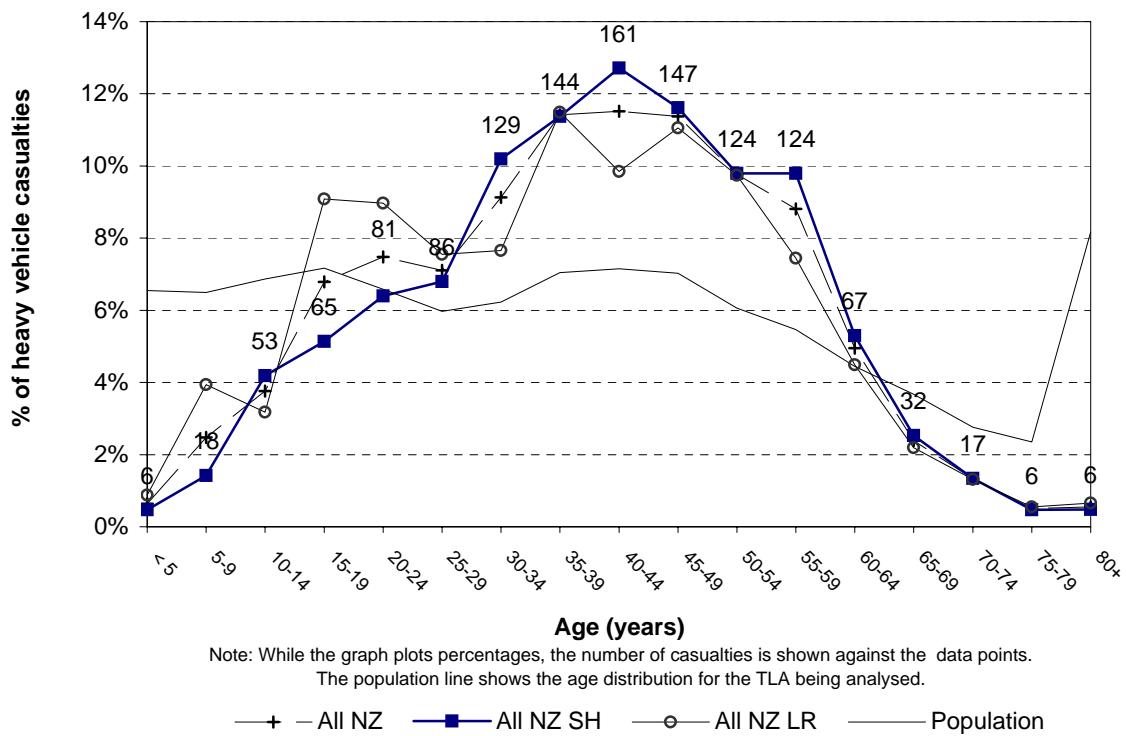
**Figure 3.19 Car/van driver casualty age
All NZ state highways (2005-2009)**



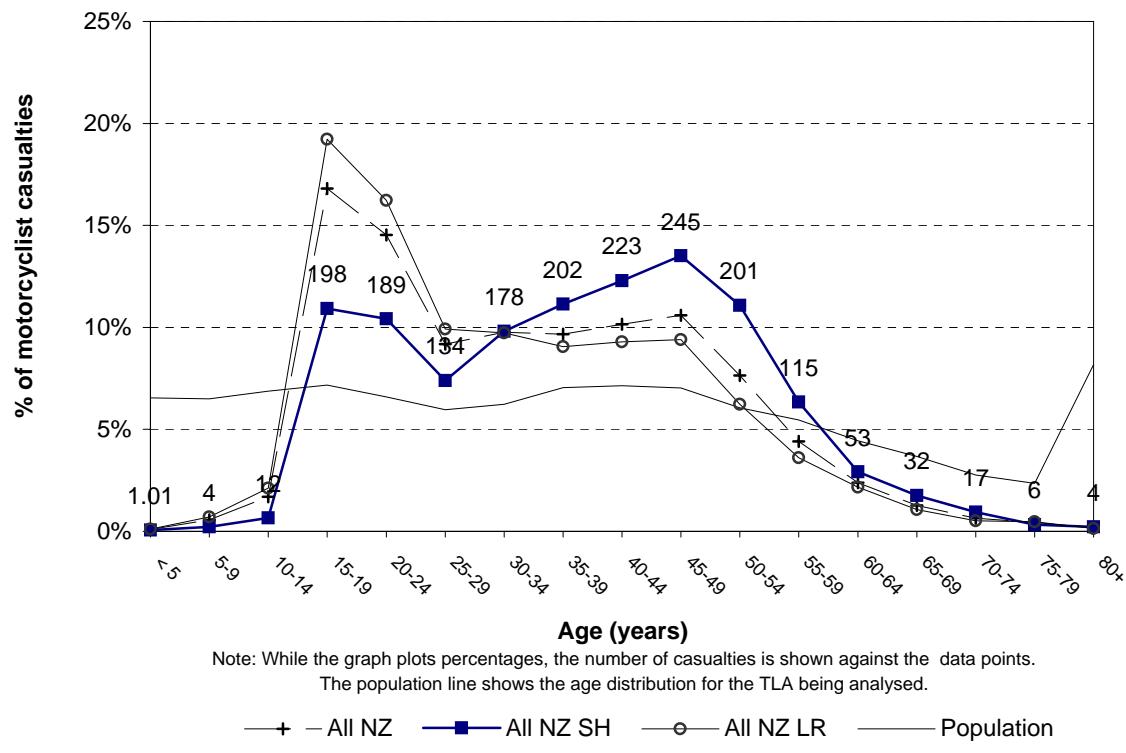
**Figure 3.20 Car/van passenger casualty age
All NZ state highways (2005-2009)**



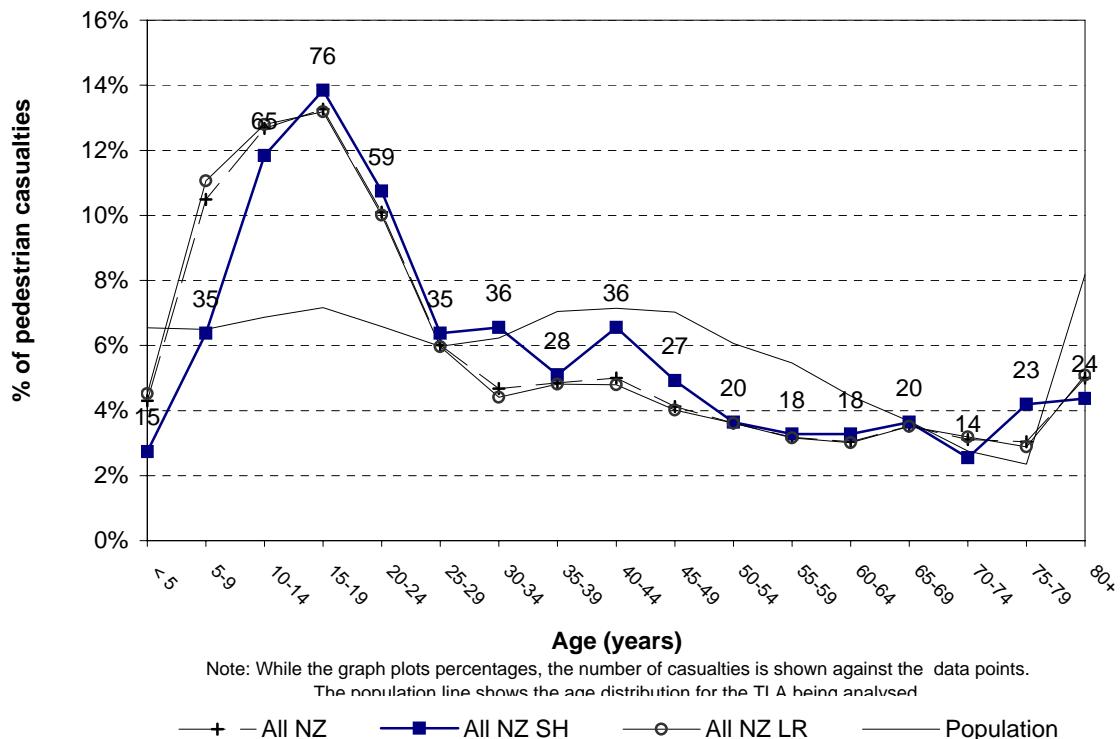
**Figure 3.21 Heavy vehicle casualty age
All NZ state highways (2005-2009)**



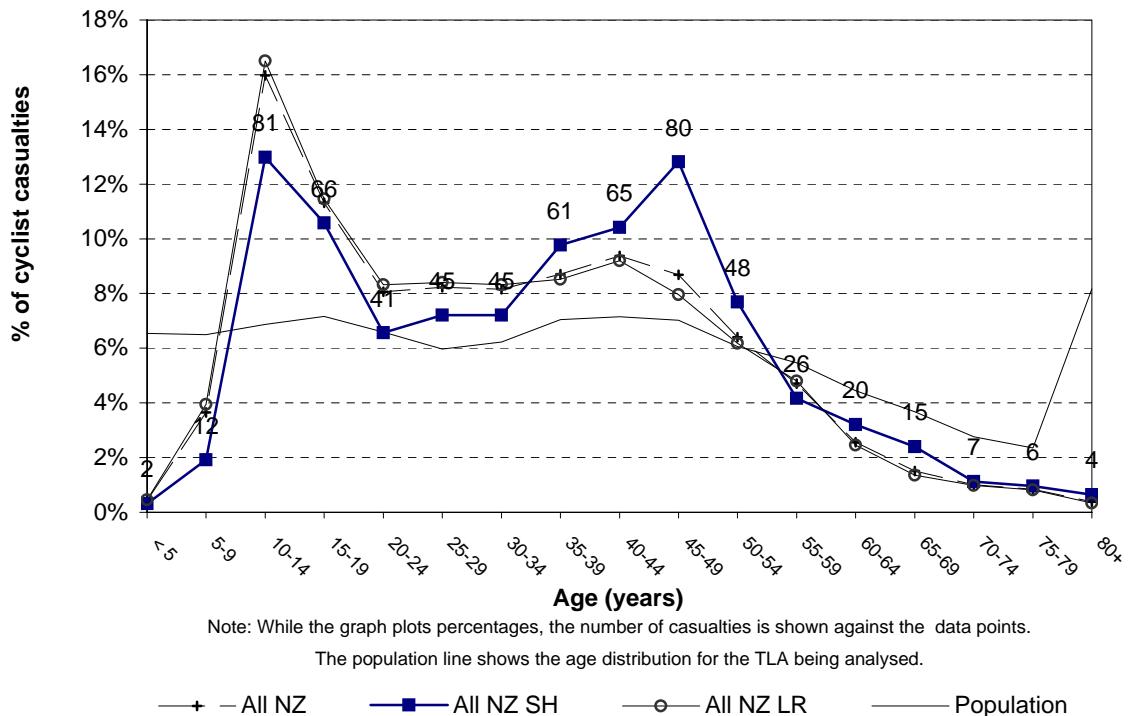
**Figure 3.22 Motorcyclist casualty age
All NZ state highways (2005-2009)**



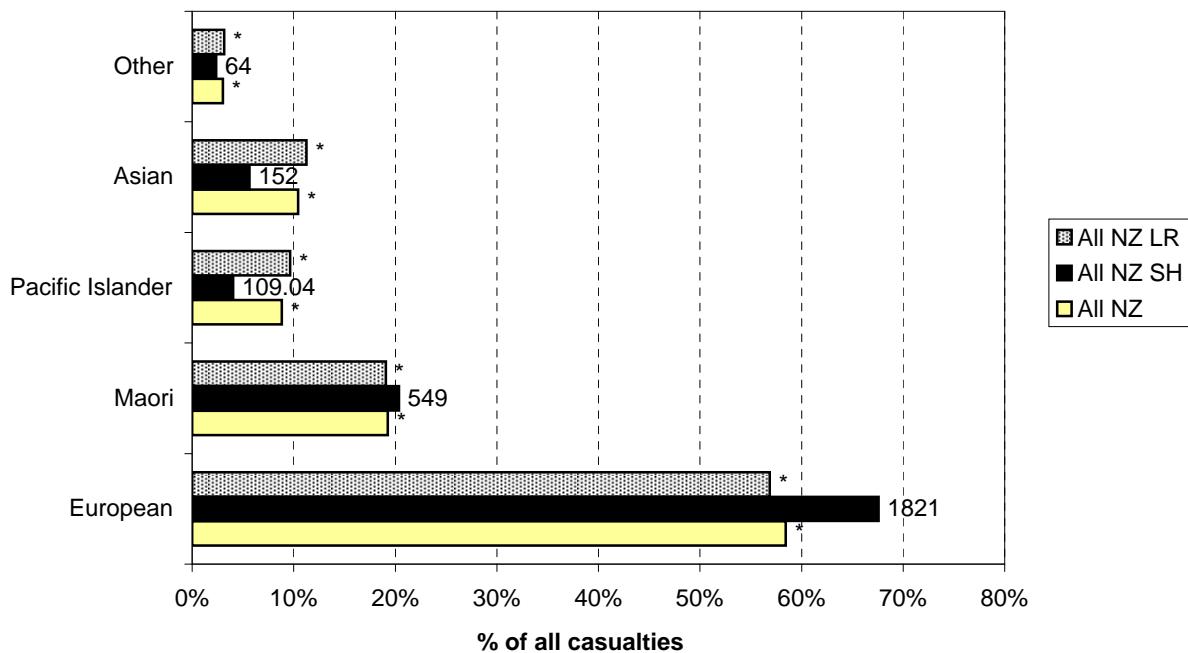
**Figure 3.23 Pedestrian casualty age
All NZ state highways (2005-2009)**



**Figure 3.24 Cyclist casualty age
All NZ state highways (2005-2009)**



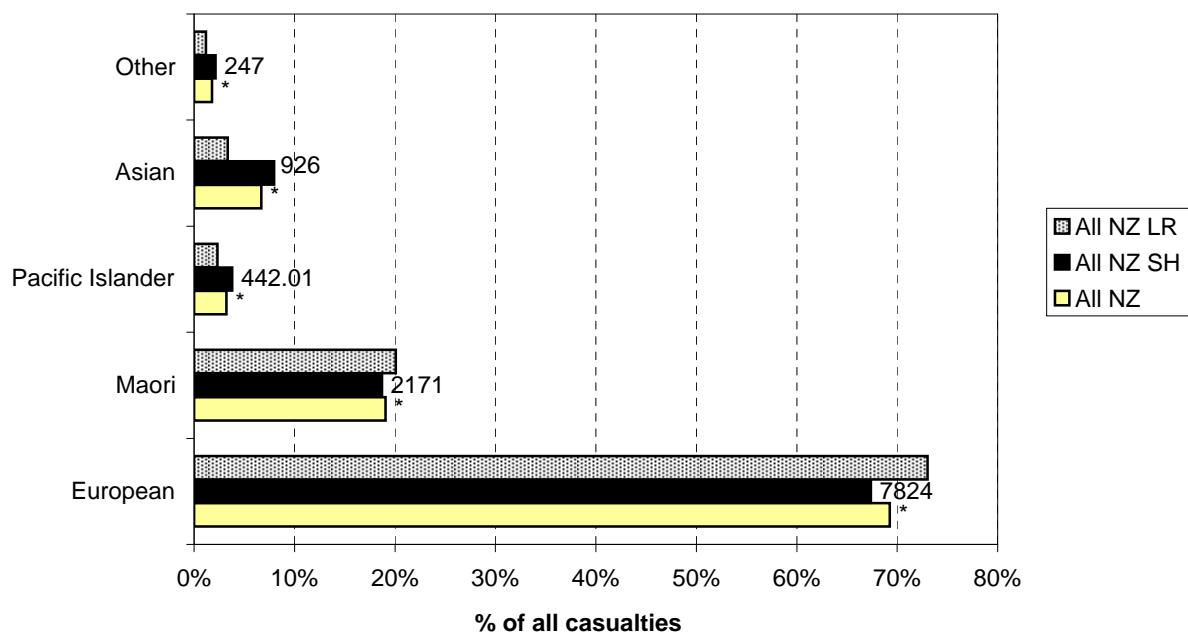
**Figure 3.25 Casualty ethnicity - urban
All NZ state highways (2005-2009)**



Note: While the graph plots percentages, the number of crashes is shown against the data points.

*Denotes statistically significant difference between Local Authority and National or Peer Group Proportions

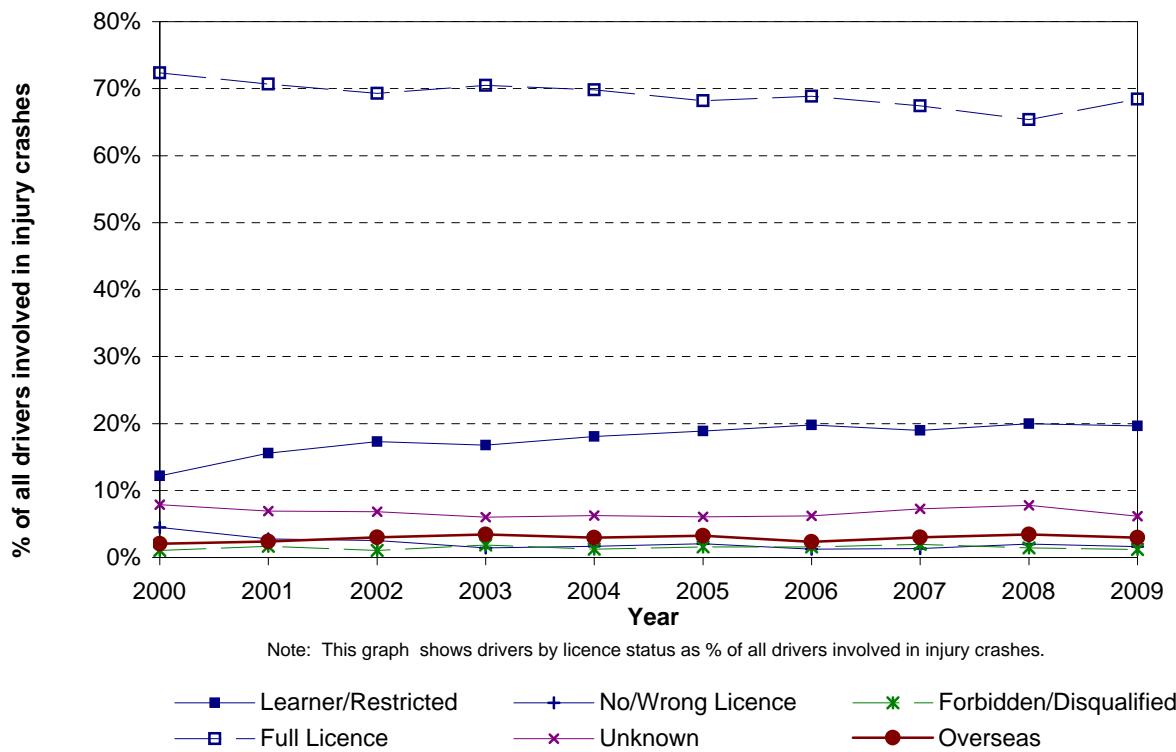
**Figure 3.26 Casualty ethnicity - rural
All NZ state highways (2005-2009)**



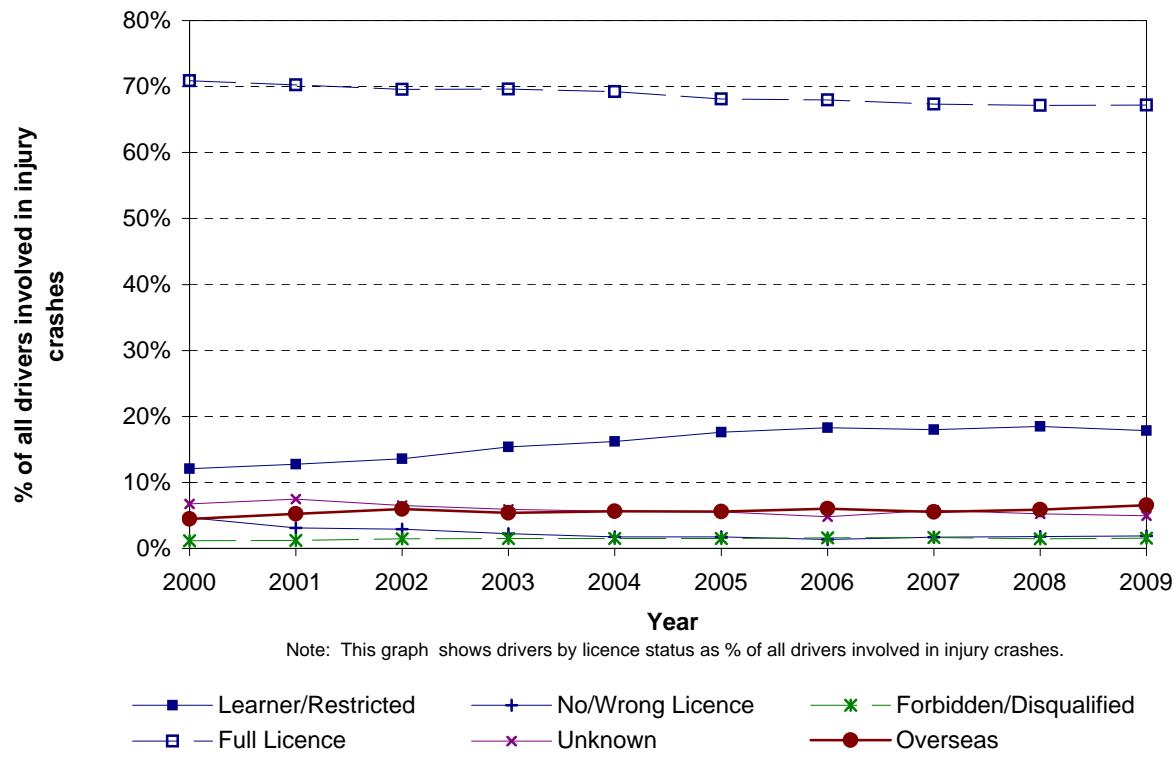
Note: While the graph plots percentages, the number of crashes is shown against the data points.

*Denotes statistically significant difference between Local Authority and National or Peer Group Proportions

**Figure 3.27 Licence status - urban
All NZ state highways**

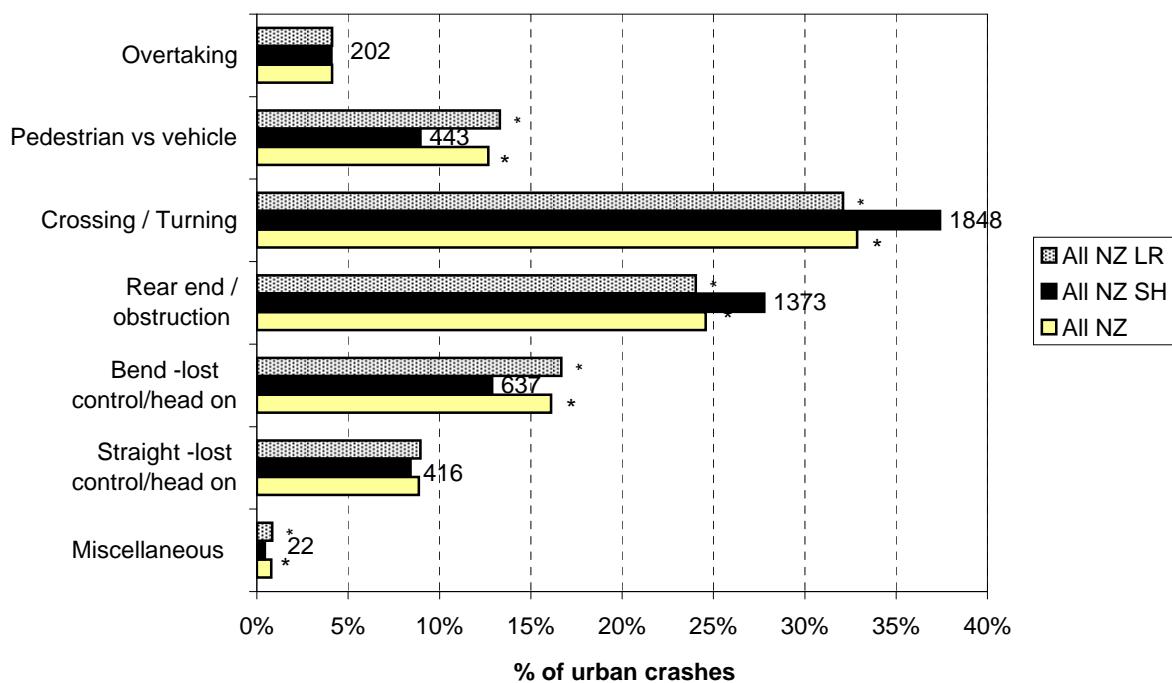


**Figure 3.28 Licence status - rural
All NZ state highways**



Crash Type Statistics

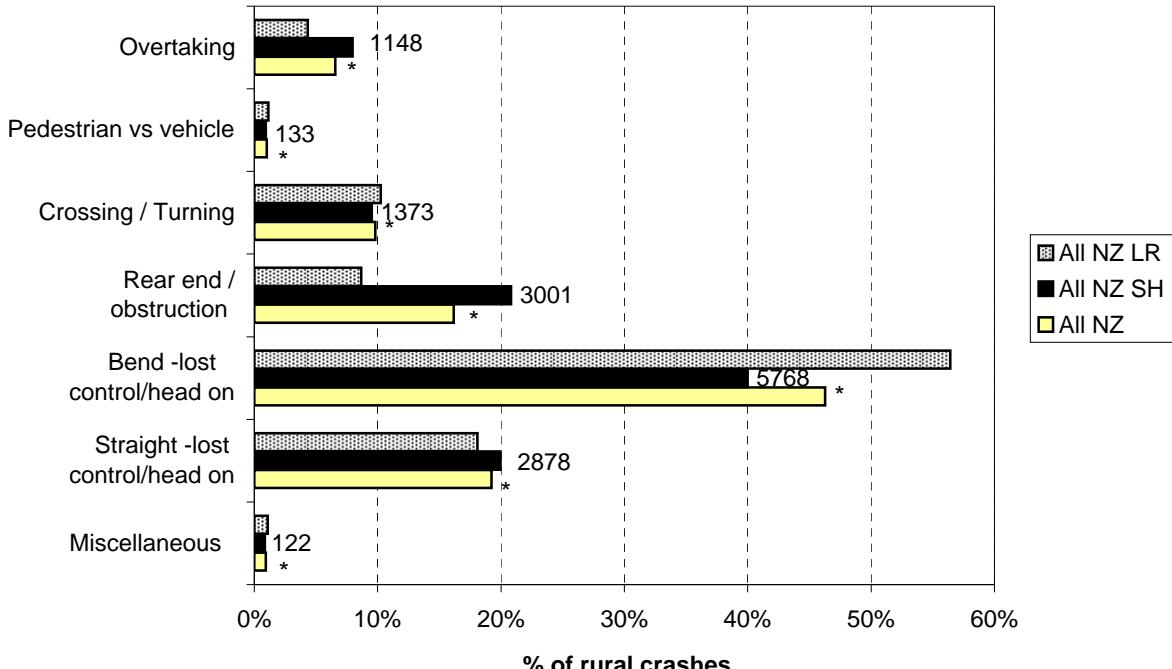
**Figure 4.1 Crash movement type - urban
All NZ state highways (2005-2009)**



Note: While the graph plots percentages, the number of crashes is shown against the data points.

*Denotes statistically significant difference between Local Authority and National or Peer Group Proportions

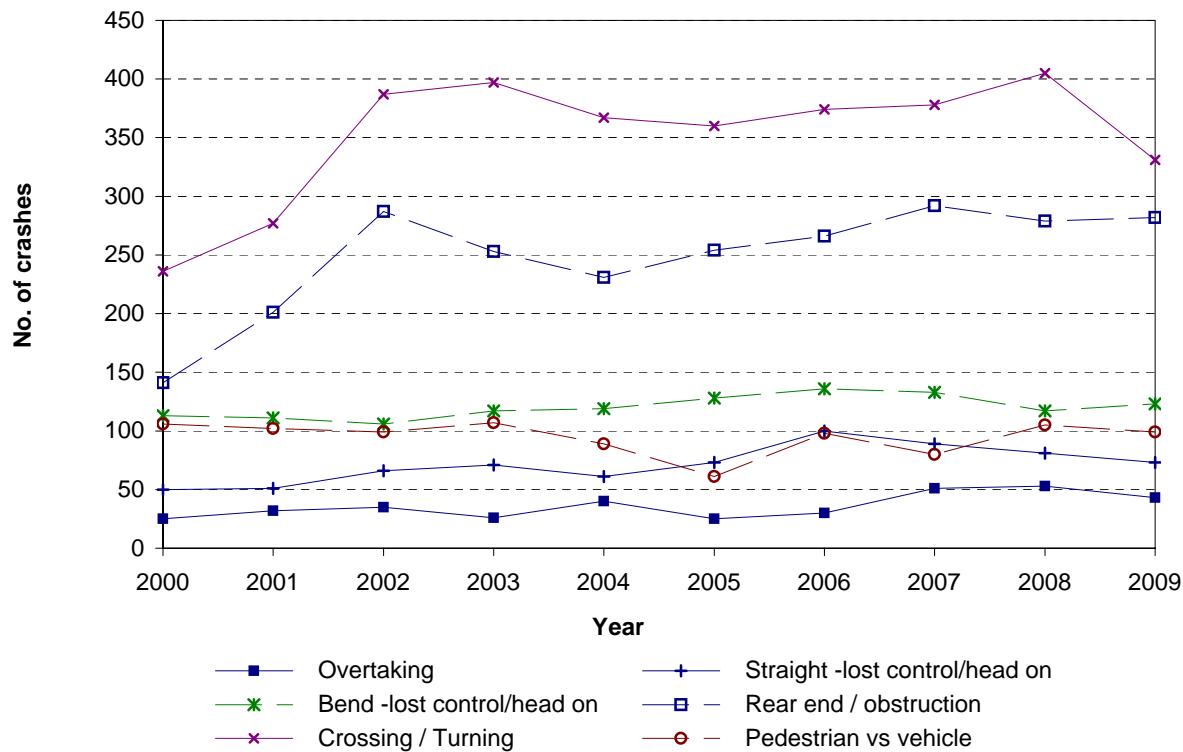
**Figure 4.2 Crash movement type - rural
All NZ state highways (2005-2009)**



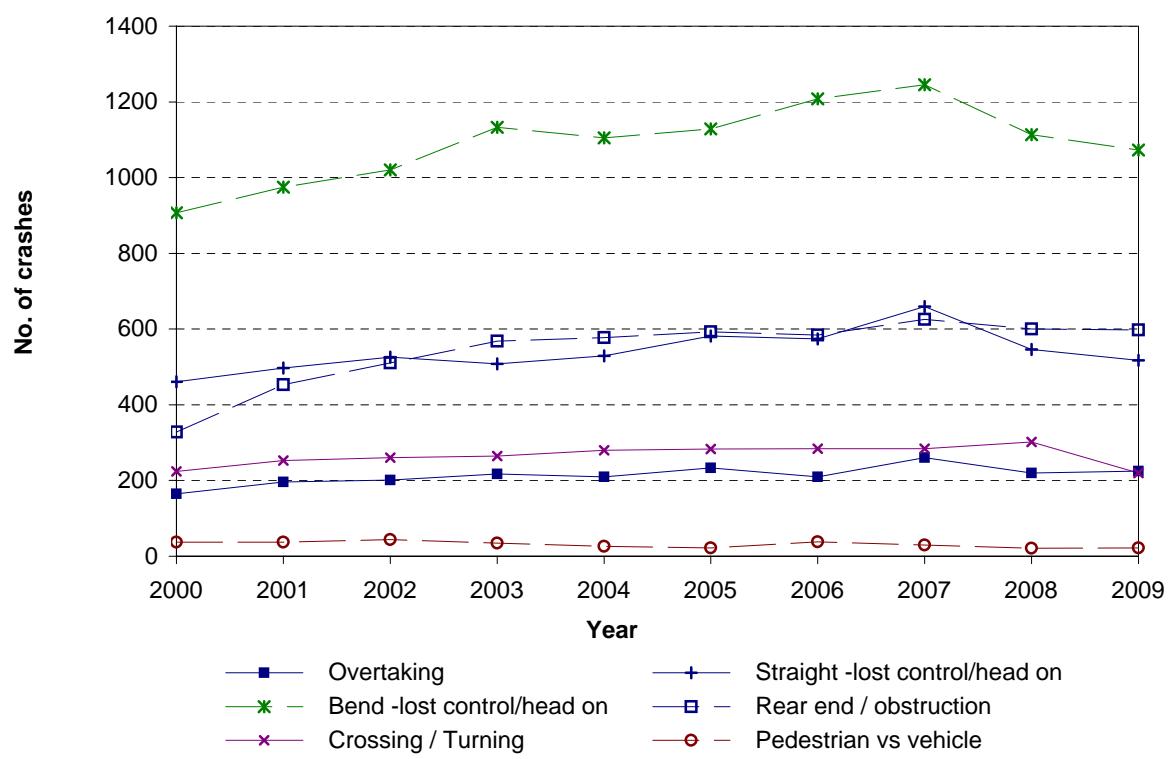
Note: While the graph plots percentages, the number of crashes is shown against the data points.

*Denotes statistically significant difference between Local Authority and National or Peer Group Proportions

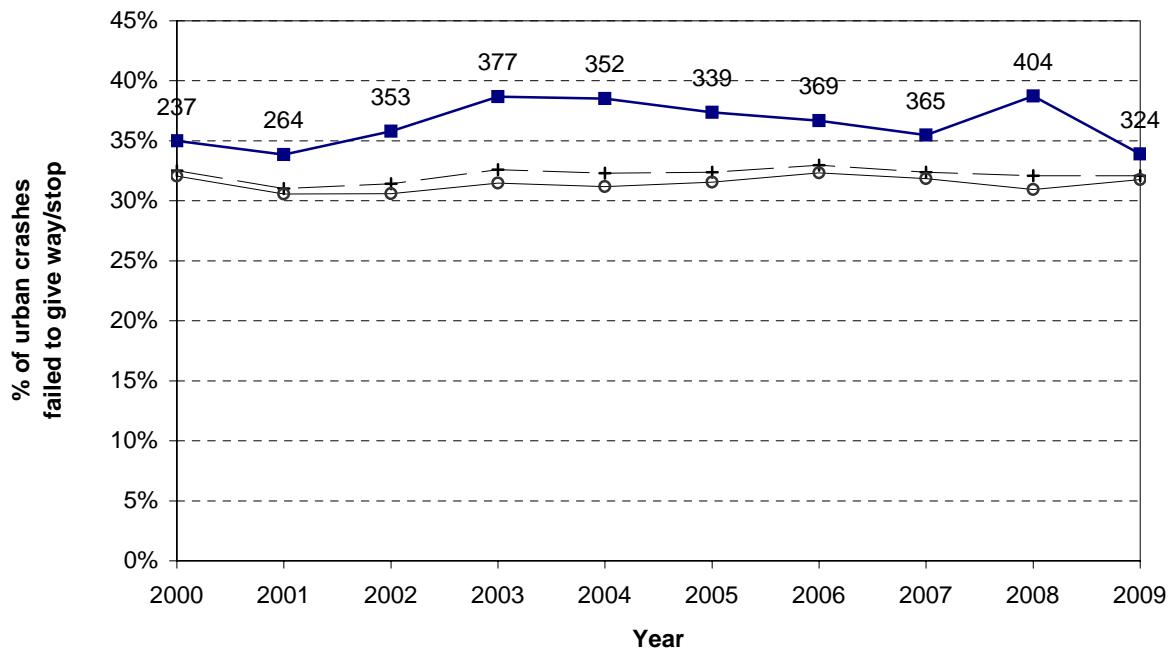
**Figure 4.3 Crash movement type - trends
All NZ - urban state highways**



**Figure 4.4 Crash movement type - trends
All NZ - rural state highways**



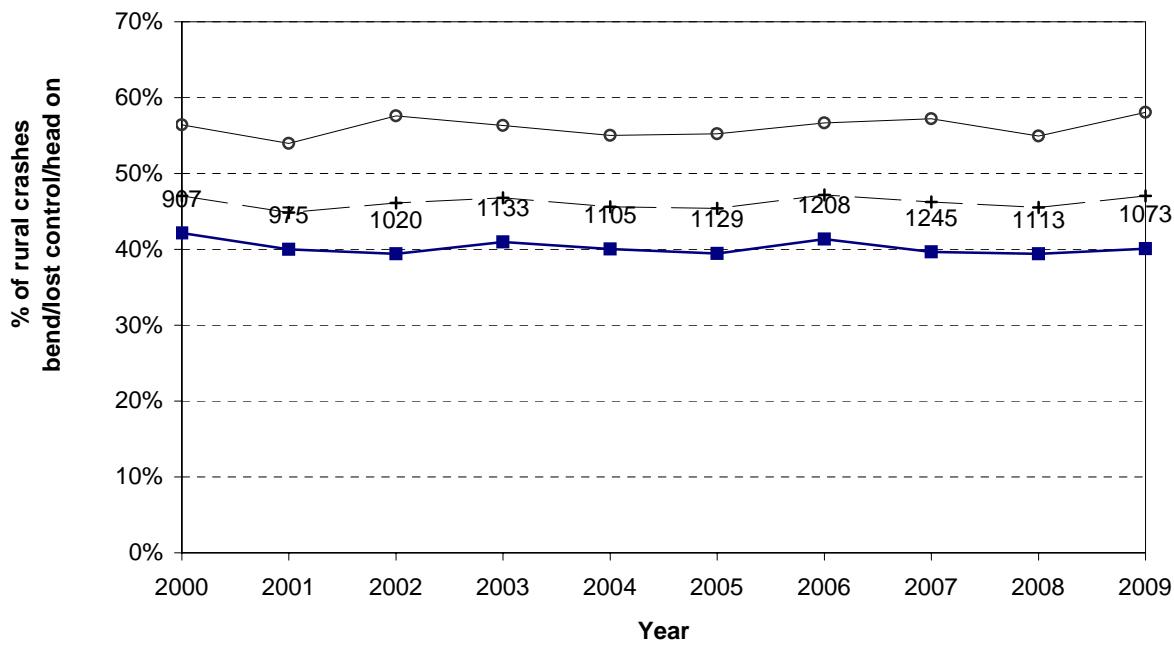
**Figure 4.5 Failed to give way / stop
All NZ - urban state highways**



Note: While the graph plots percentages, the number of crashes is shown against the data points.

—+— All NZ —■— All NZ SH —○— All NZ LR

**Figure 4.6 Bend - lost control / head - on
All NZ - rural state highways**

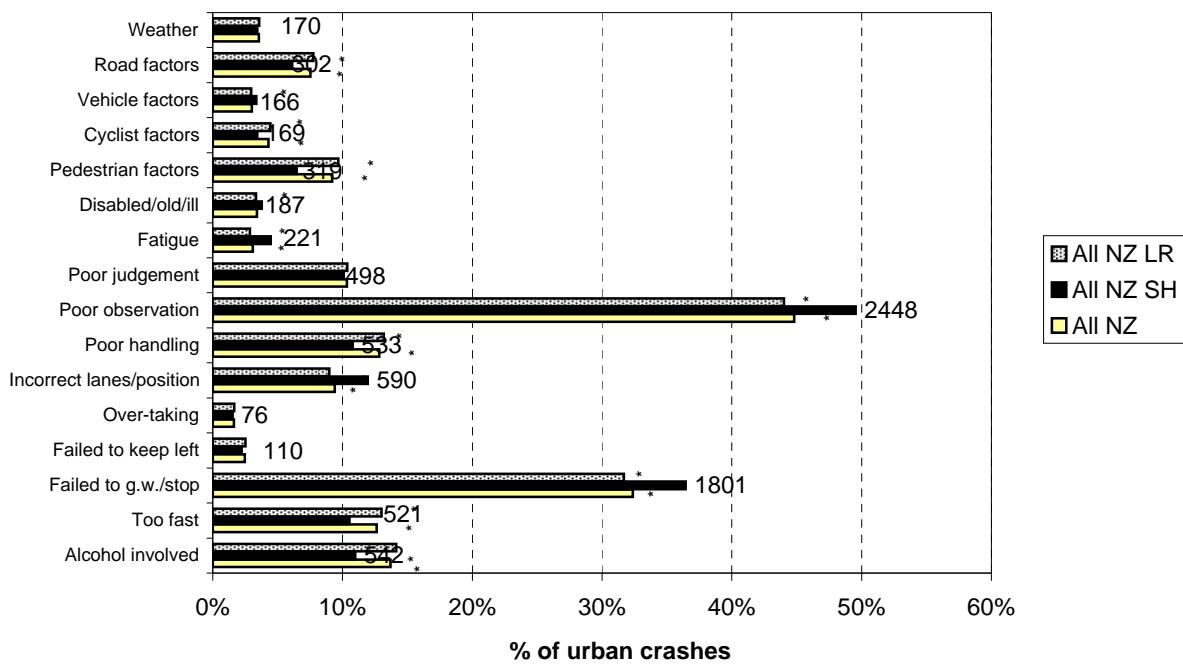


Note: While the graph plots percentages, the number of crashes is shown against the data points.

—+— All NZ —■— All NZ SH —○— All NZ LR

Crash Factor Statistics

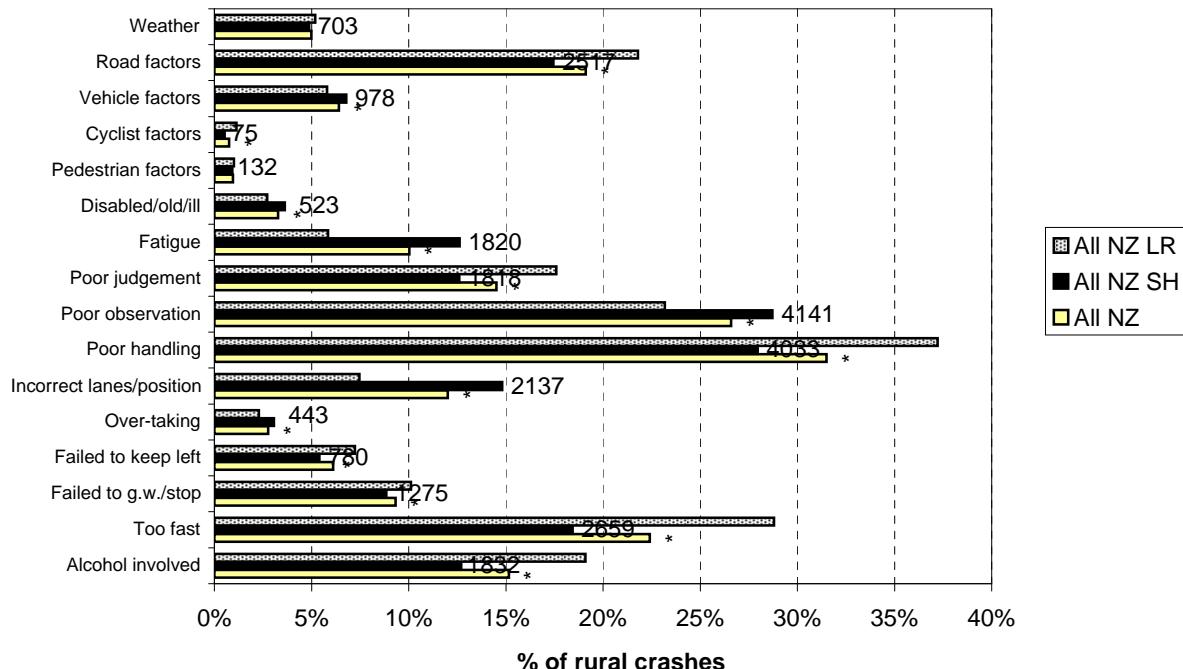
**Figure 5.1 Contributing factors - urban
All NZ state highways (2005-2009)**



Note: While the graph plots percentages, the number of crashes is shown against the data points.

*Denotes statistically significant difference between Local Authority and National or Peer Group Proportions

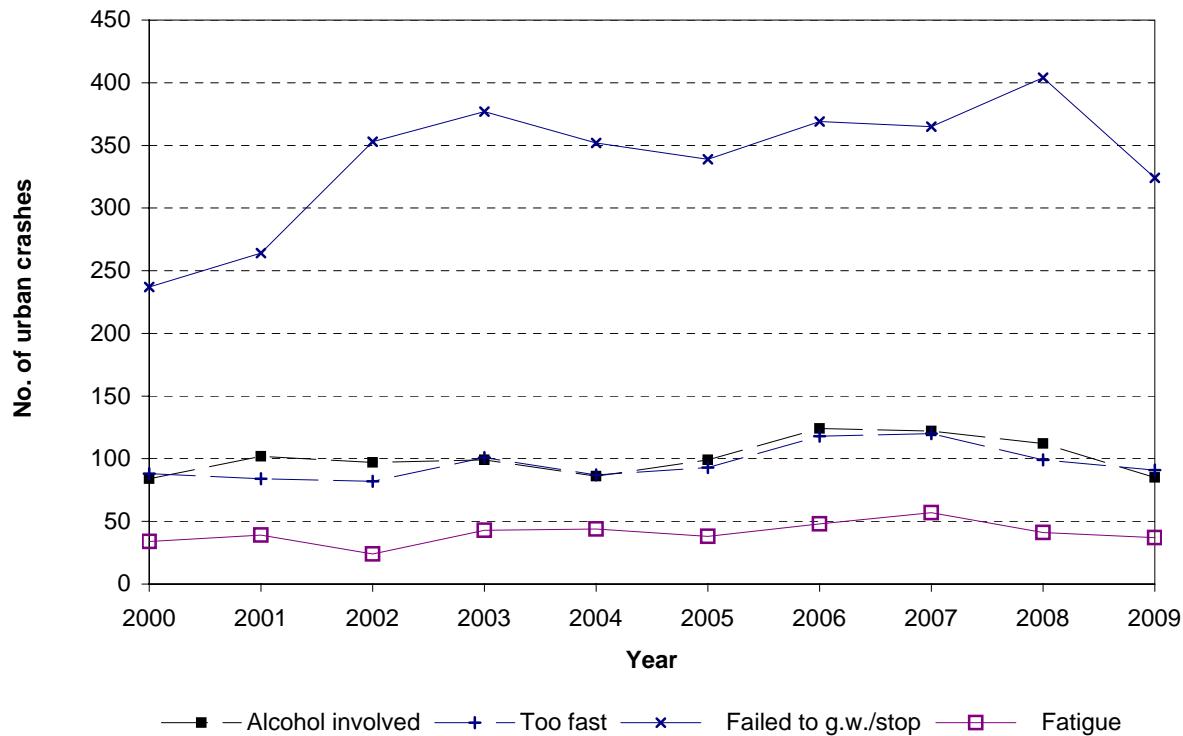
**Figure 5.2 Contributing factors - rural
All NZ state highways (2005-2009)**



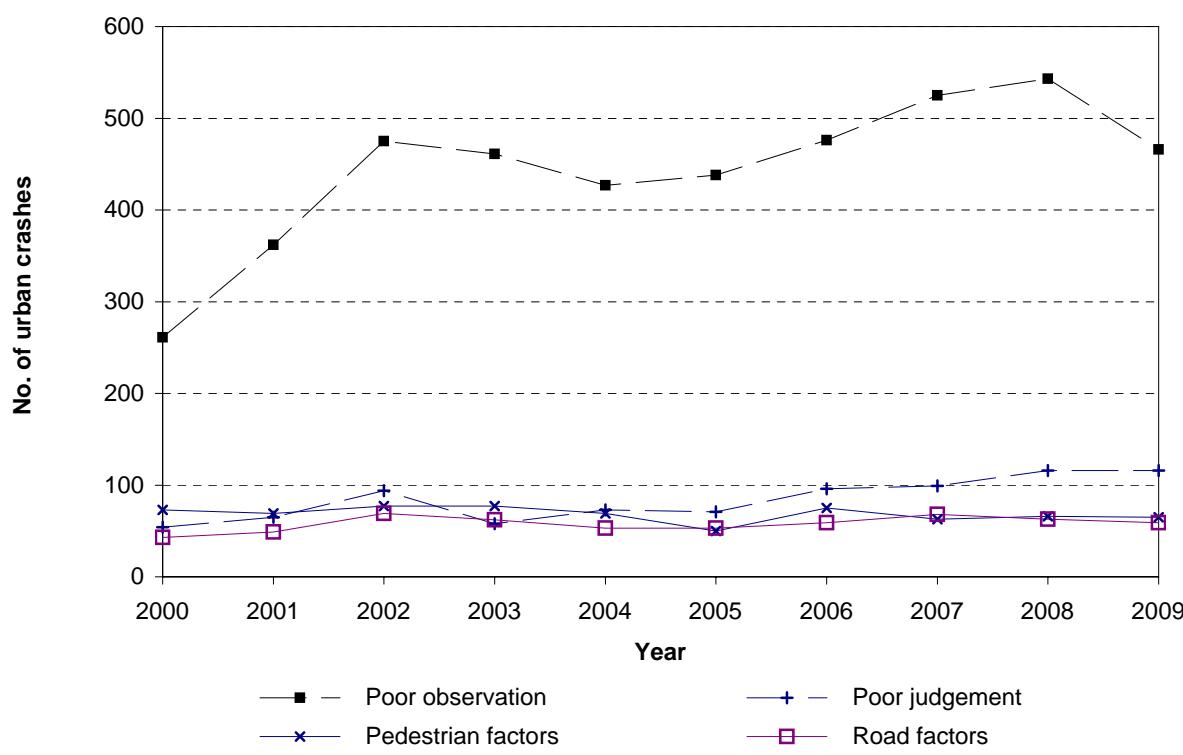
Note: While the graph plots percentages, the number of casualties is shown against the data points.

*Denotes statistically significant difference between Local Authority and National or Peer Group Proportions

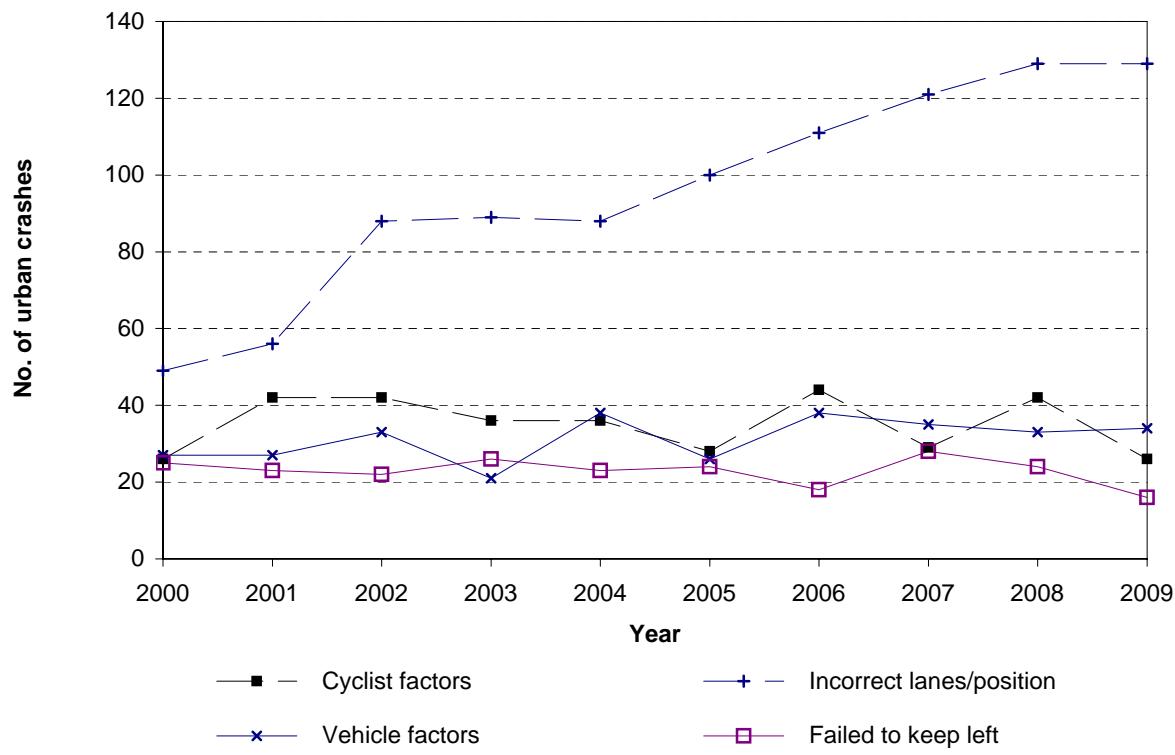
**Figure 5.3 Contributing factor trends
All NZ - urban state highways**



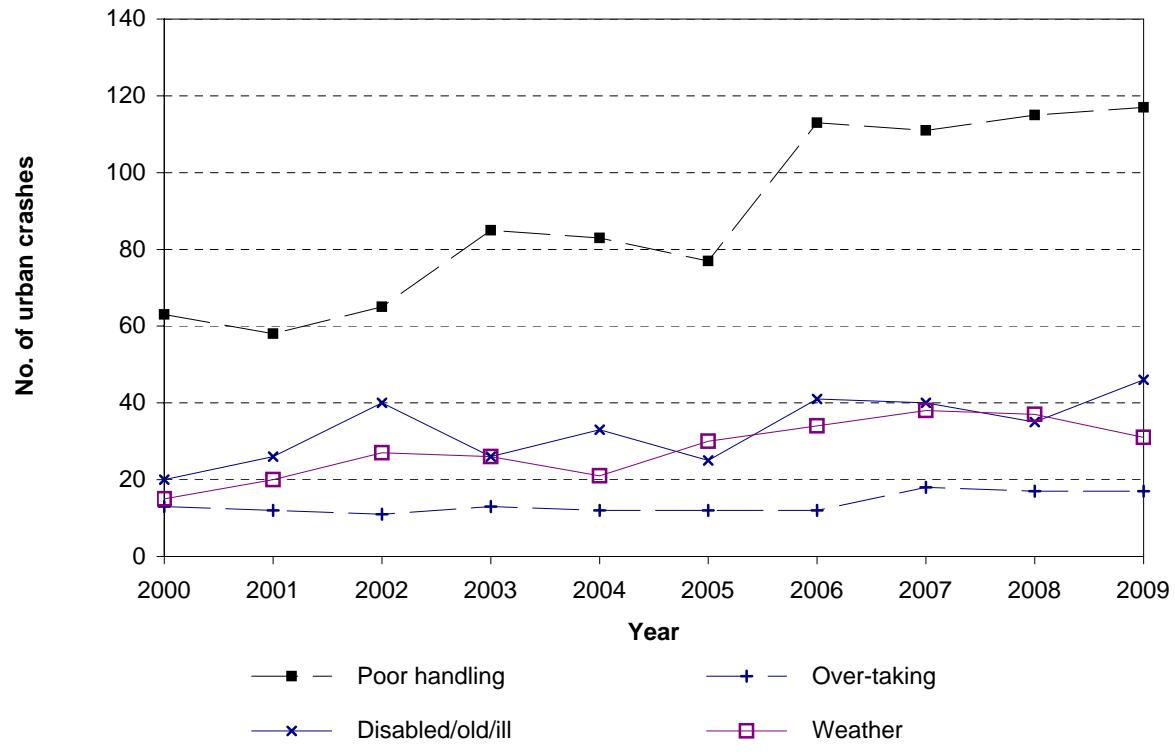
**Figure 5.4 Contributing factor trends
All NZ - urban state highways**



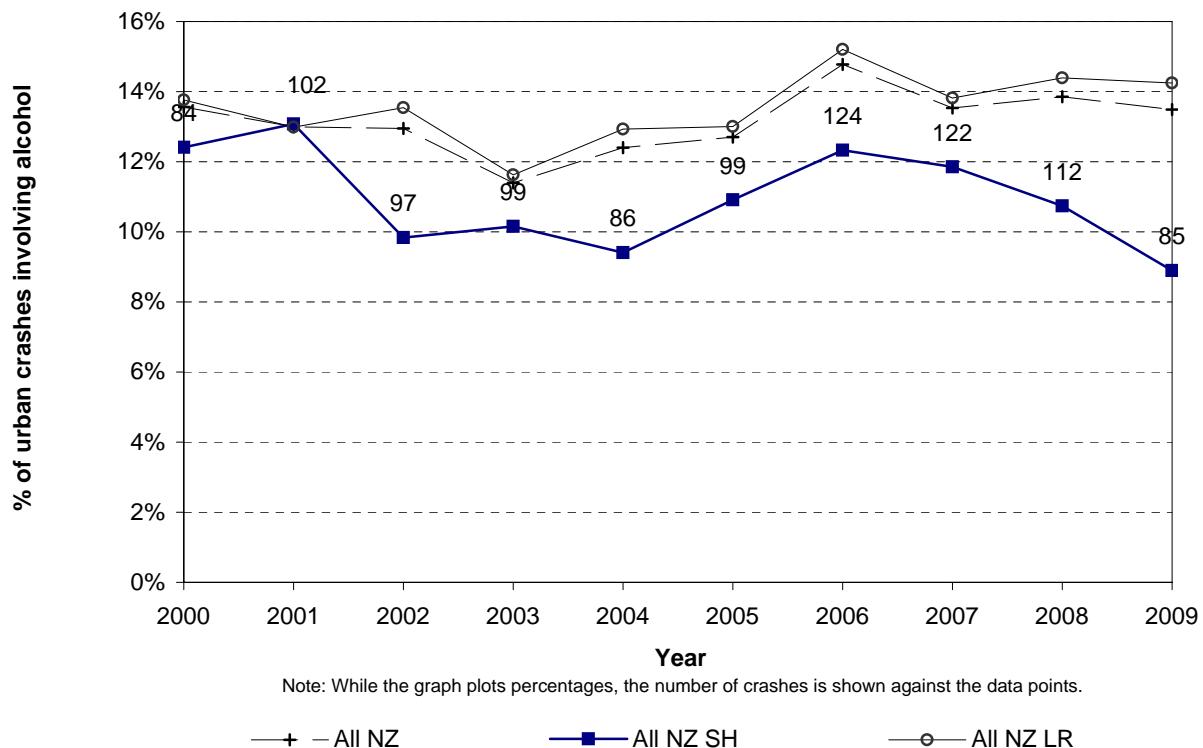
**Figure 5.5 Contributing factor trends
All NZ - urban state highways**



**Figure 5.6 Contributing factor trends
All NZ - urban state highways**



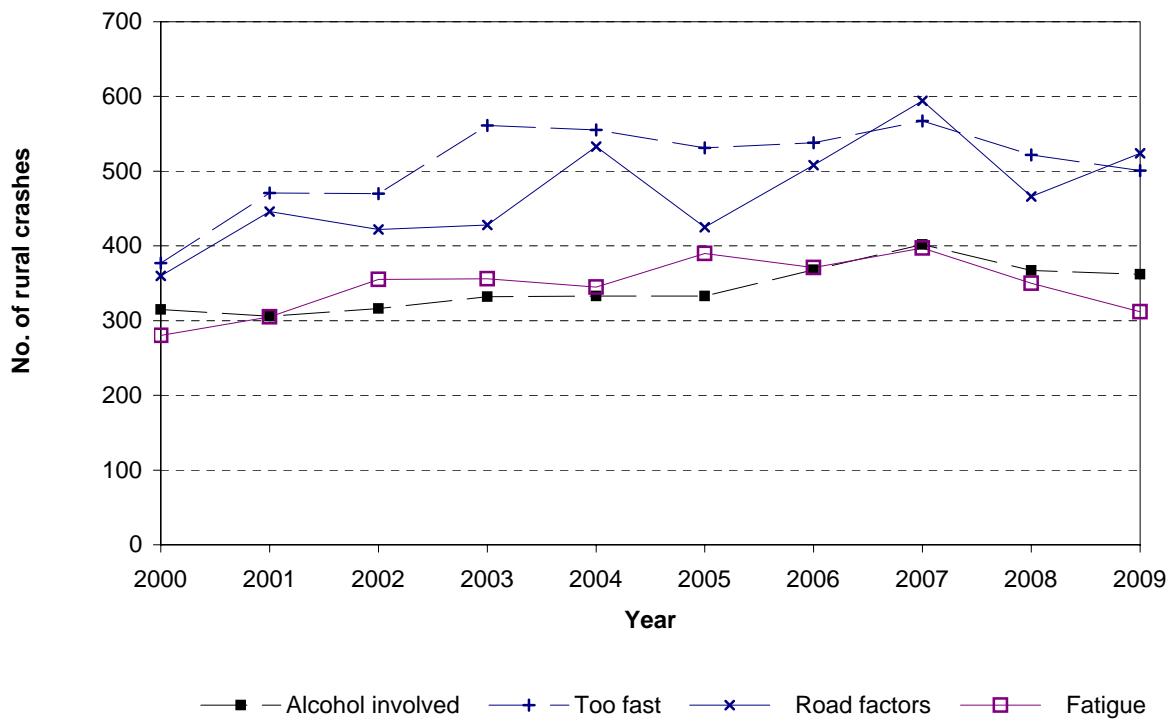
**Figure 5.7 Alcohol involved trend
All NZ - urban state highways**



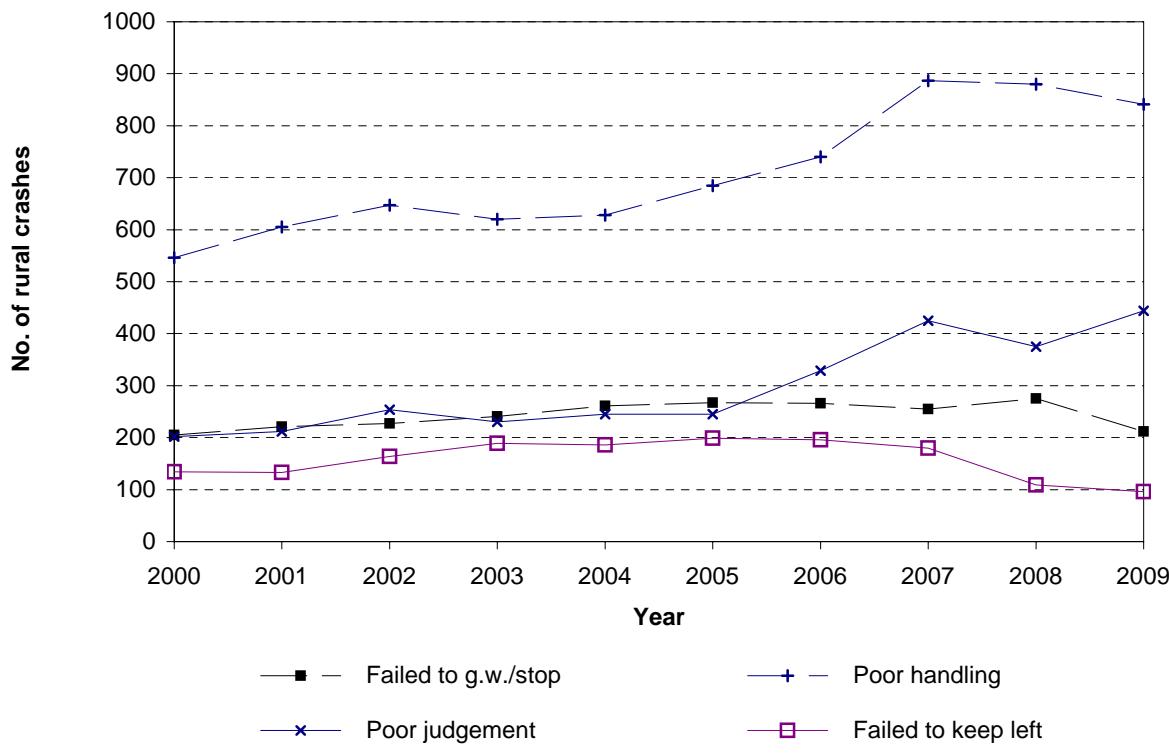
**Figure 5.8 Speed involved trend
All NZ - urban state highways**



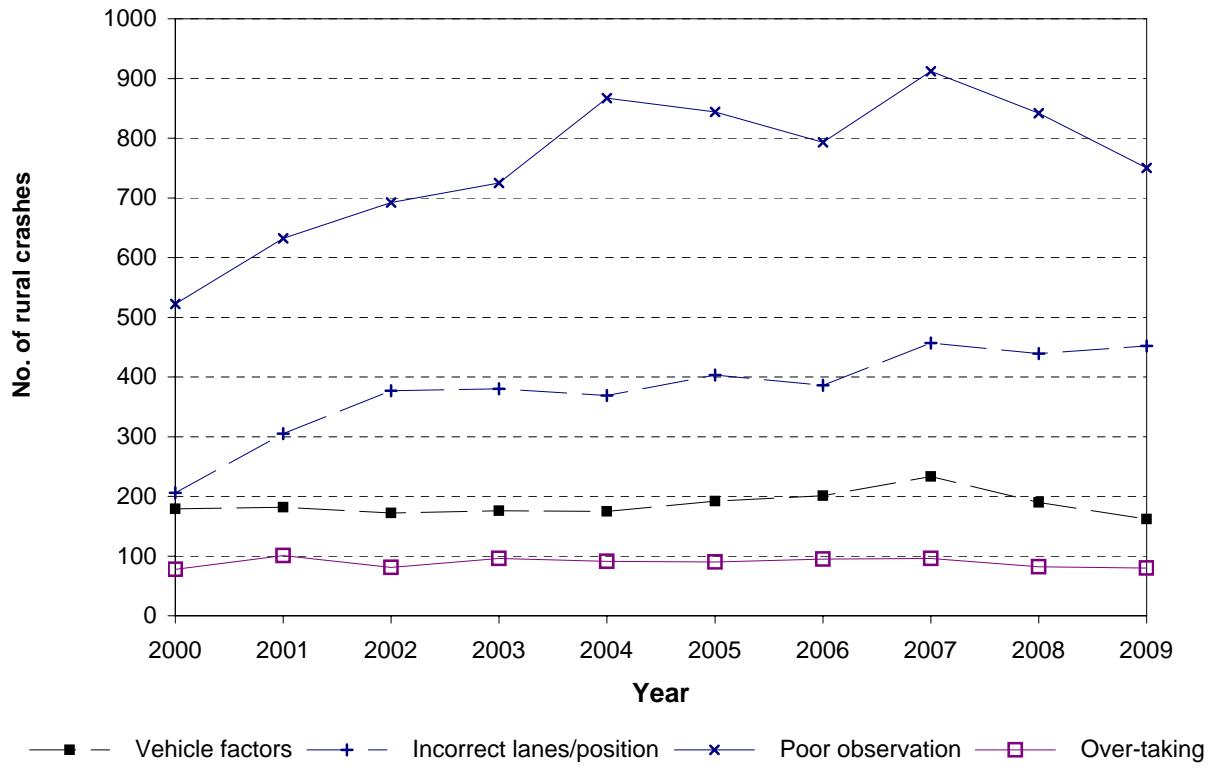
**Figure 5.9 Contributing factor trends
All NZ - rural state highways**



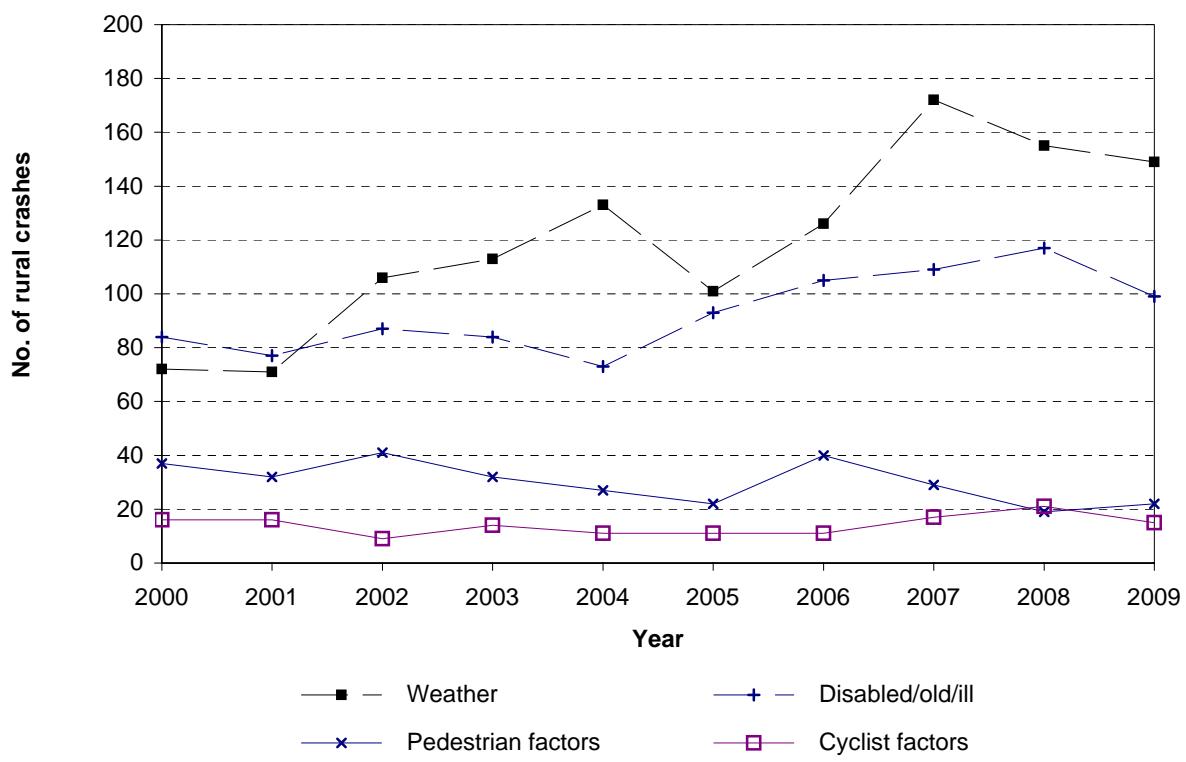
**Figure 5.10 Contributing factor trends
All NZ - rural state highways**



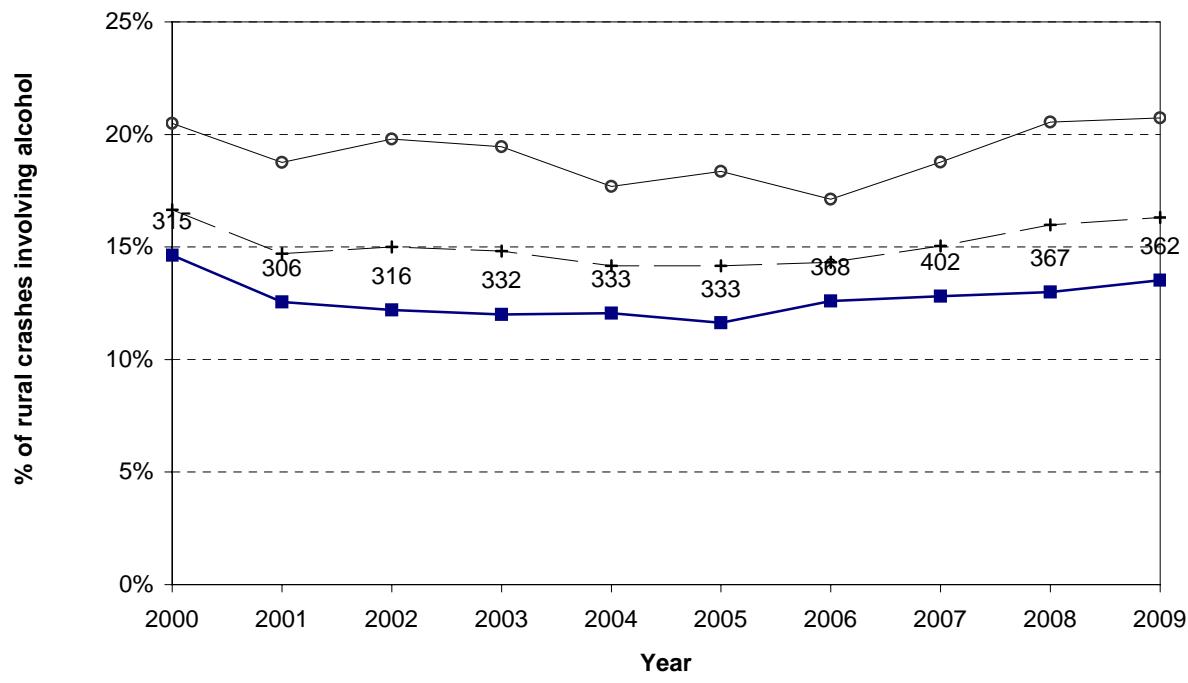
**Figure 5.11 Contributing factor trends
All NZ - rural state highways**



**Figure 5.12 Contributing factor trends
All NZ - rural state highways**



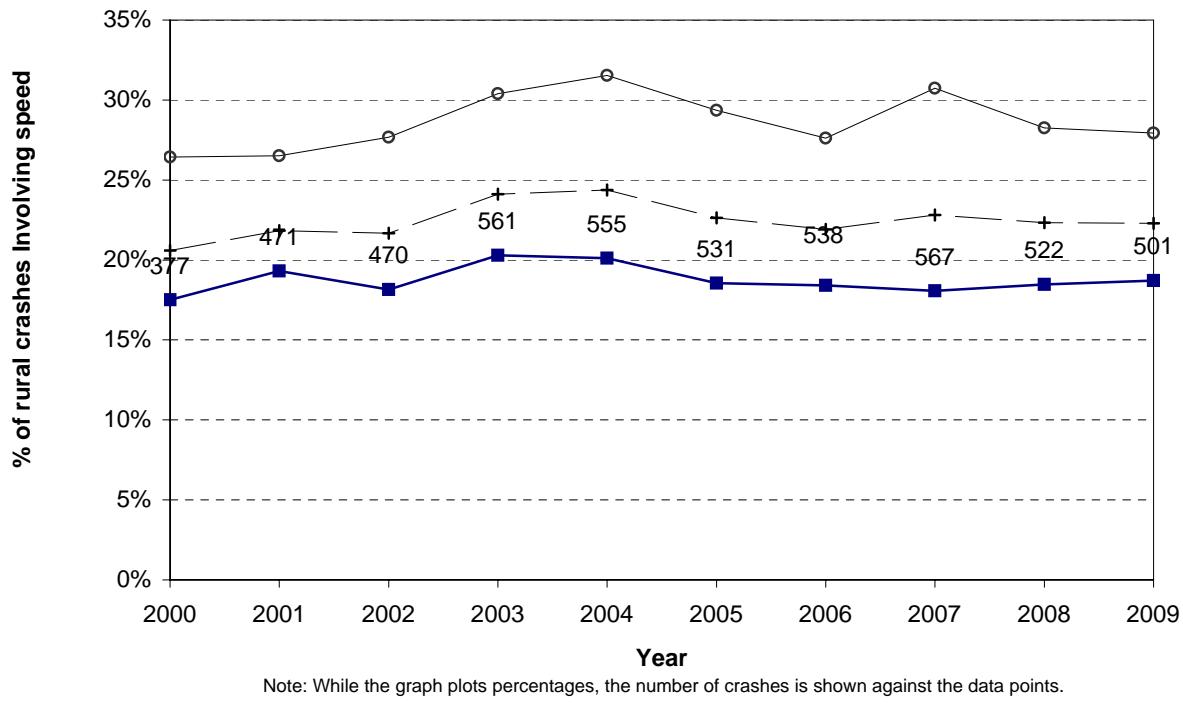
**Figure 5.13 Alcohol involved trend
All NZ - rural state highways**



Note: While the graph plots percentages, the number of crashes is shown against the data points.

—+— All NZ —■— All NZ SH —○— All NZ LR

**Figure 5.14 Speed involved trend
All NZ - rural state highways**



Note: While the graph plots percentages, the number of crashes is shown against the data points.

—+— All NZ —■— All NZ SH —○— All NZ LR

Environmental Statistics

Figure 6.1 Crashes not on state highways
All NZ - urban state highways

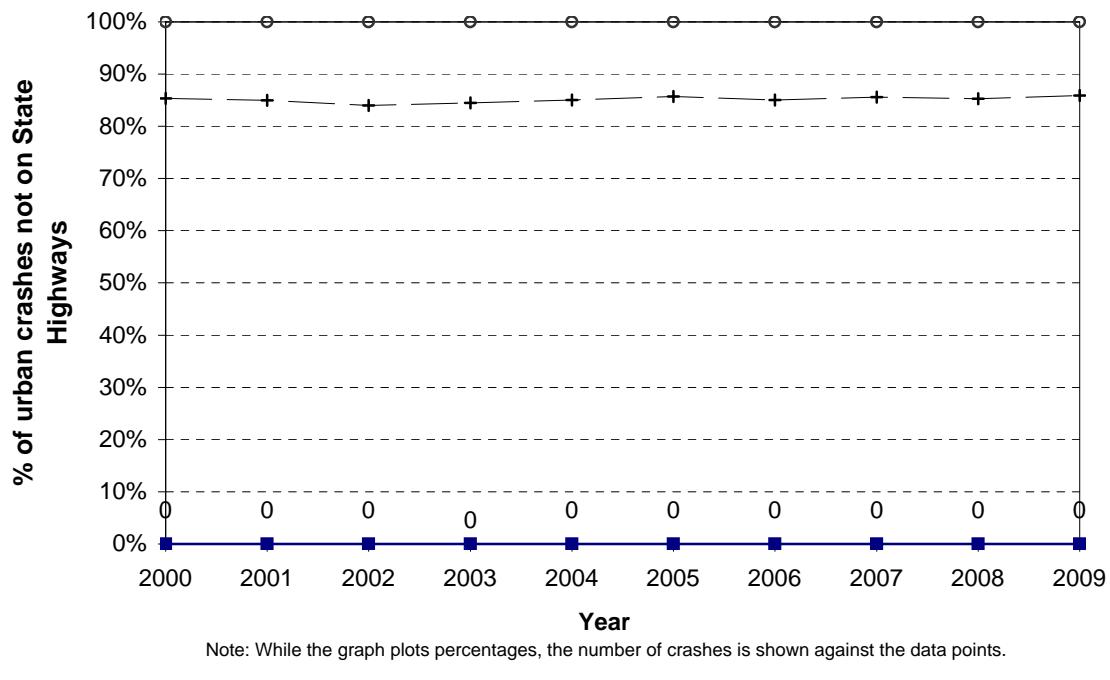
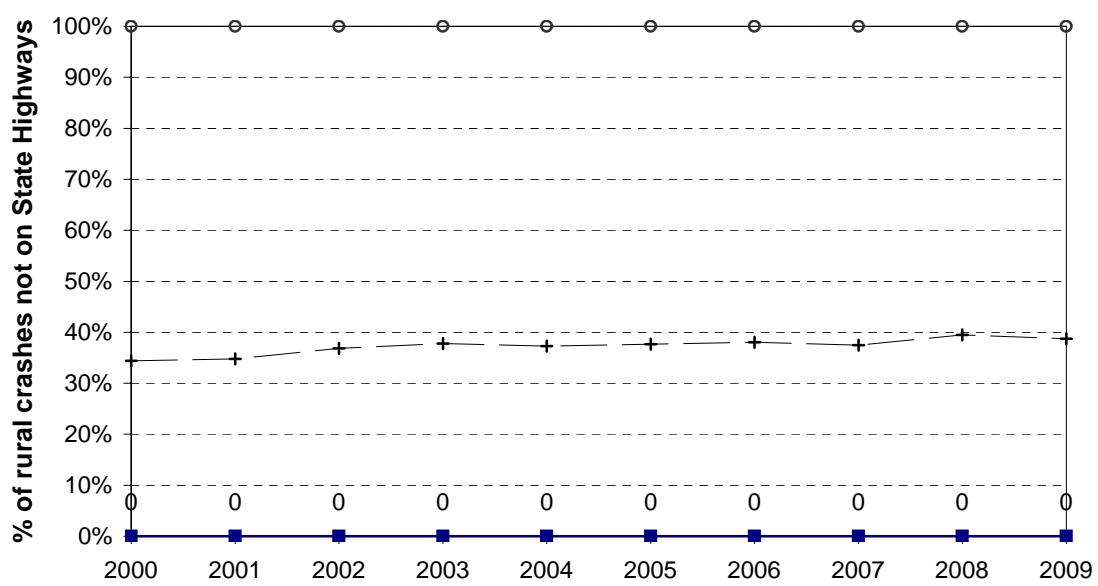
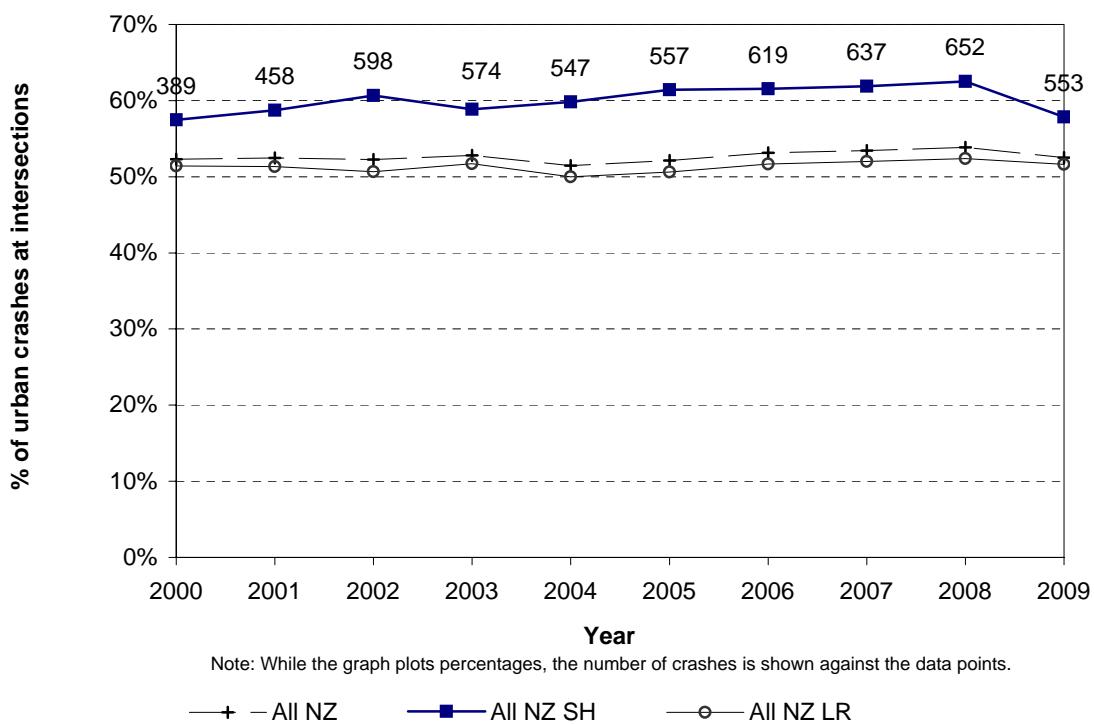


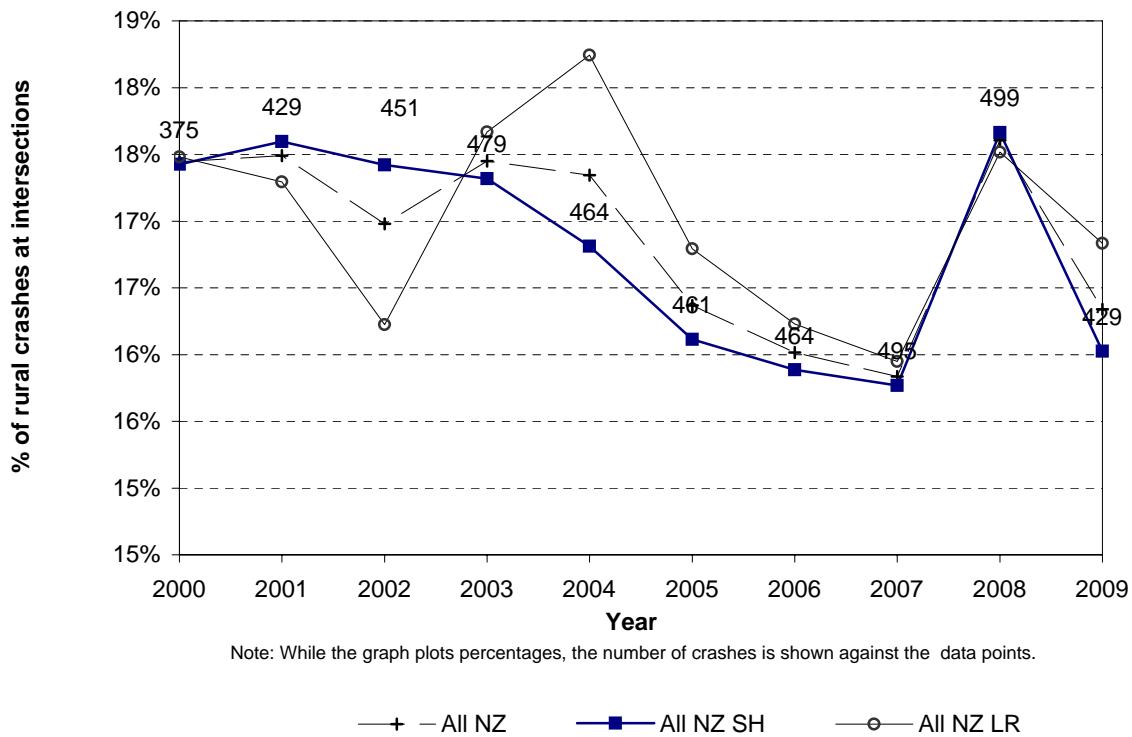
Figure 6.2 Crashes not on state highways
All NZ - rural state highways



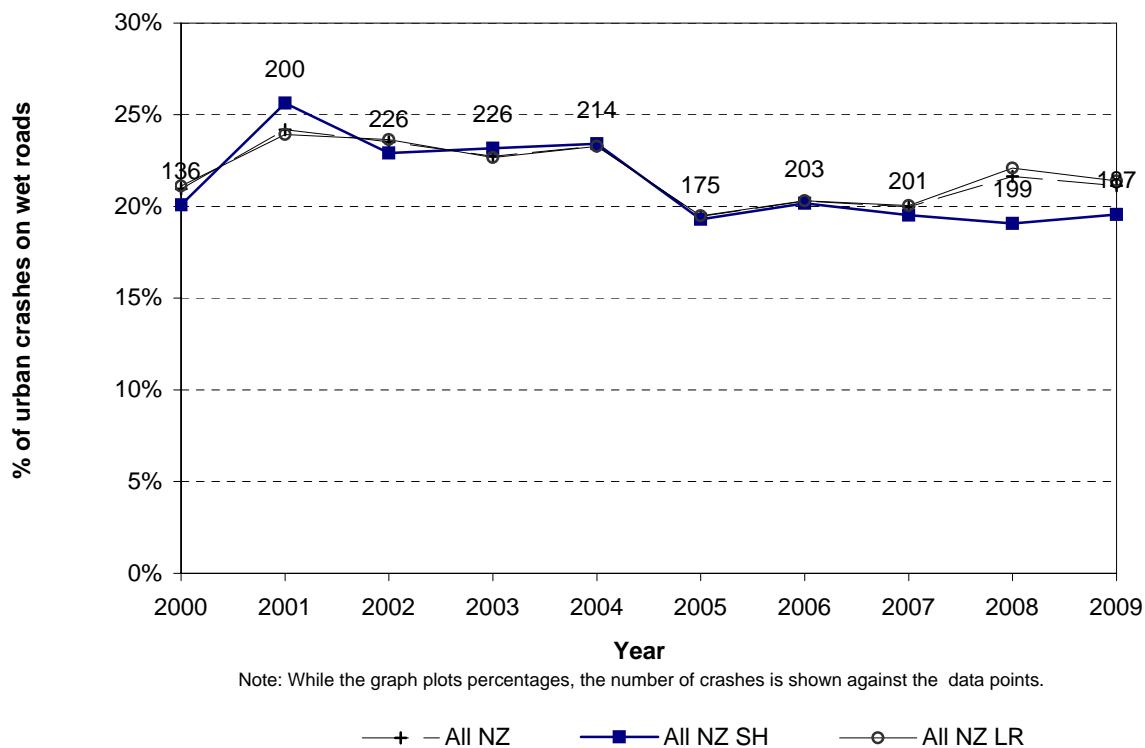
**Figure 6.3 Intersection crashes
All NZ - urban state highways**



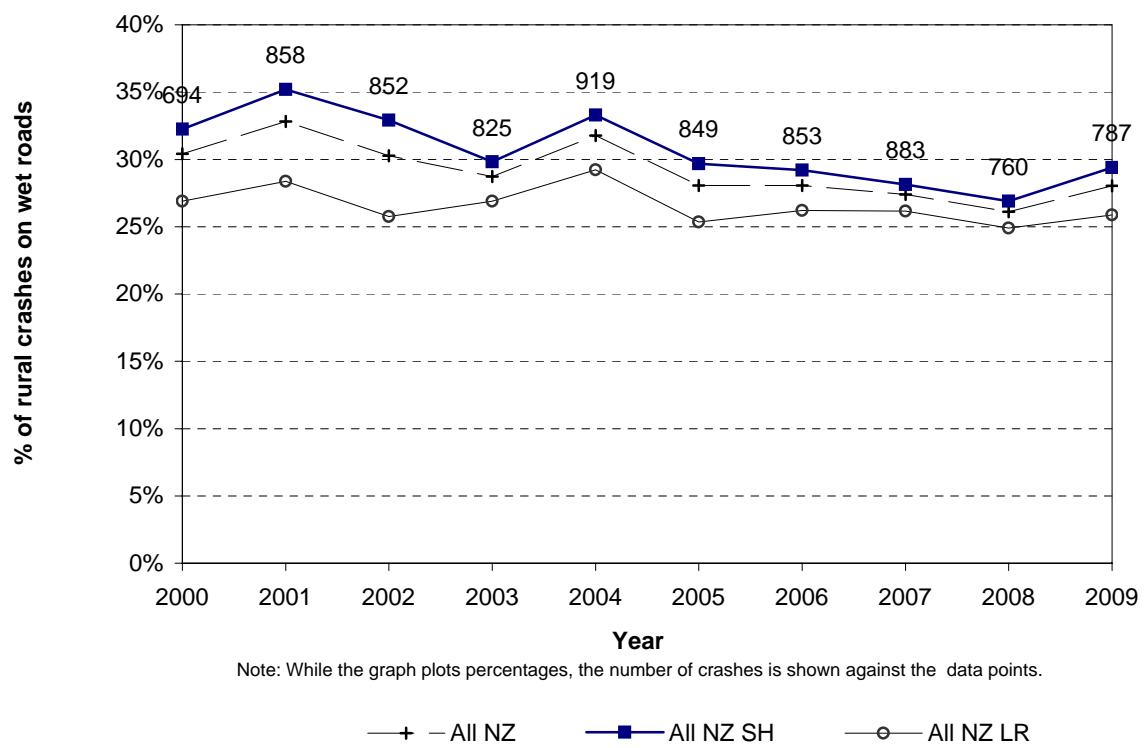
**Figure 6.4 Intersection crashes
All NZ - rural state highways**



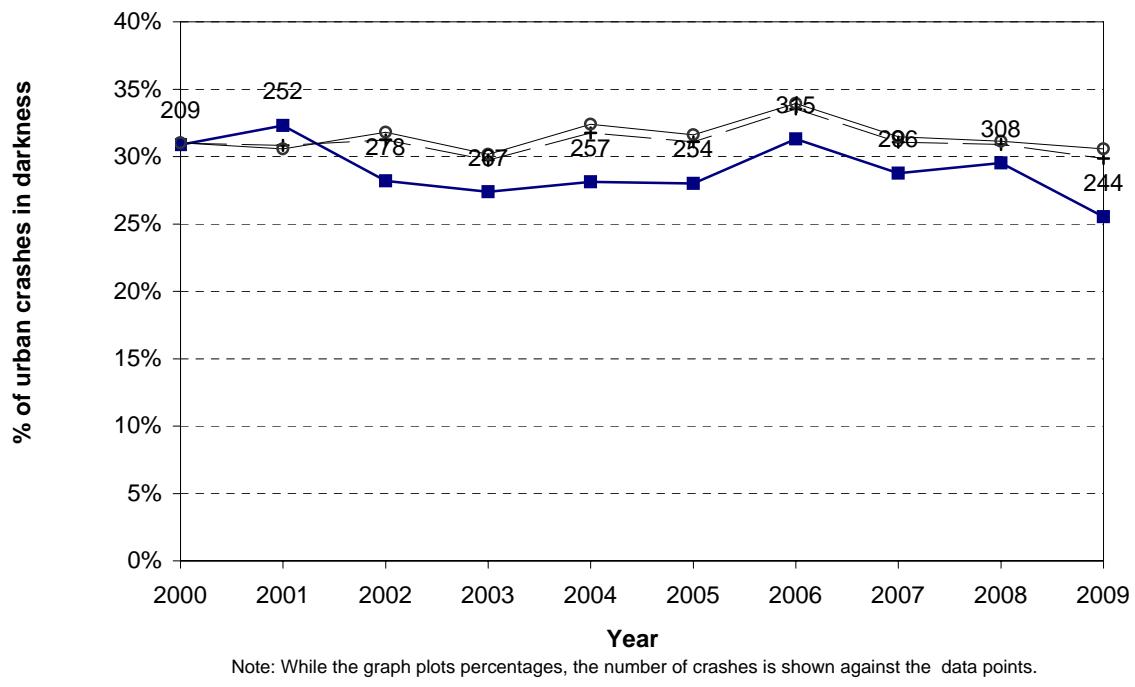
**Figure 6.5 Wet road crashes
All NZ - urban state highways**



**Figure 6.6 Wet road crashes
All NZ - rural state highways**

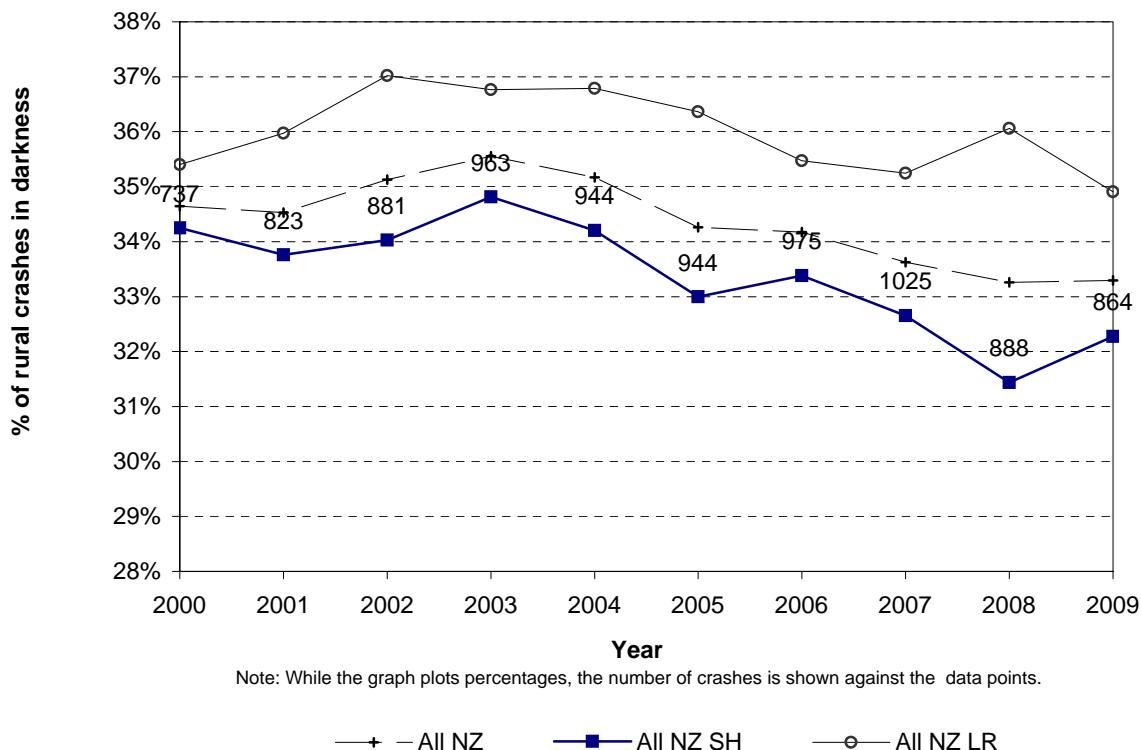


**Figure 6.7 Crashes in darkness
All NZ - urban state highways**



Note: While the graph plots percentages, the number of crashes is shown against the data points.

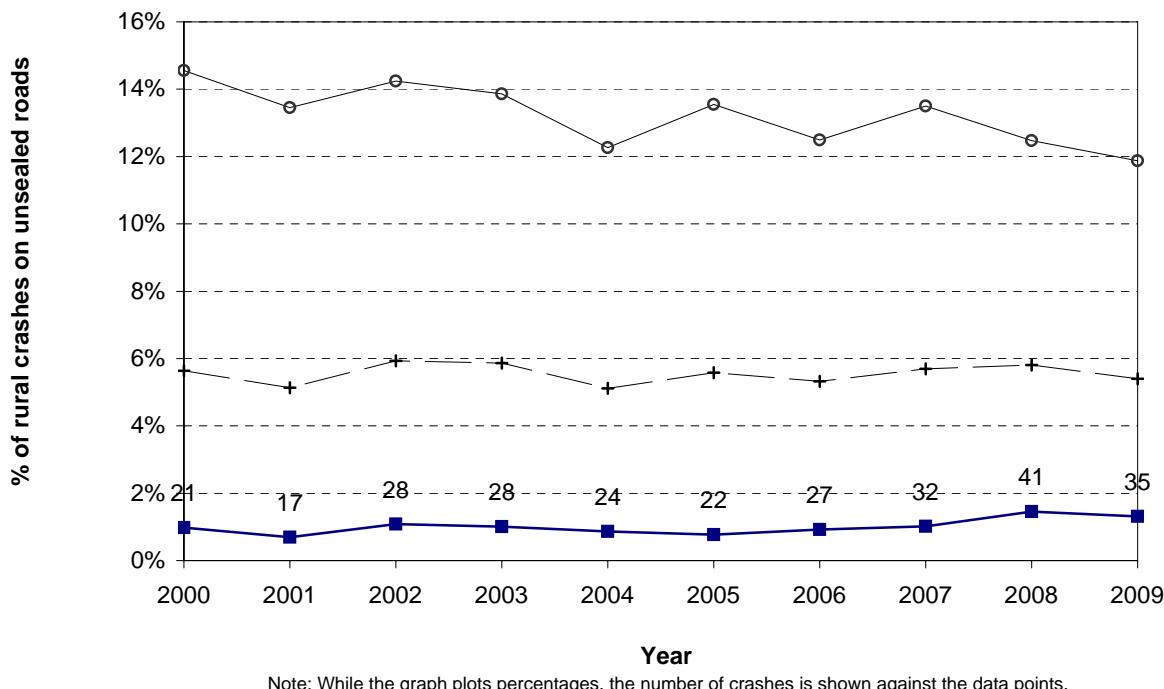
**Figure 6.8 Crashes in darkness
All NZ - rural state highways**



Note: While the graph plots percentages, the number of crashes is shown against the data points.

—+— All NZ —■— All NZ SH —○— All NZ LR

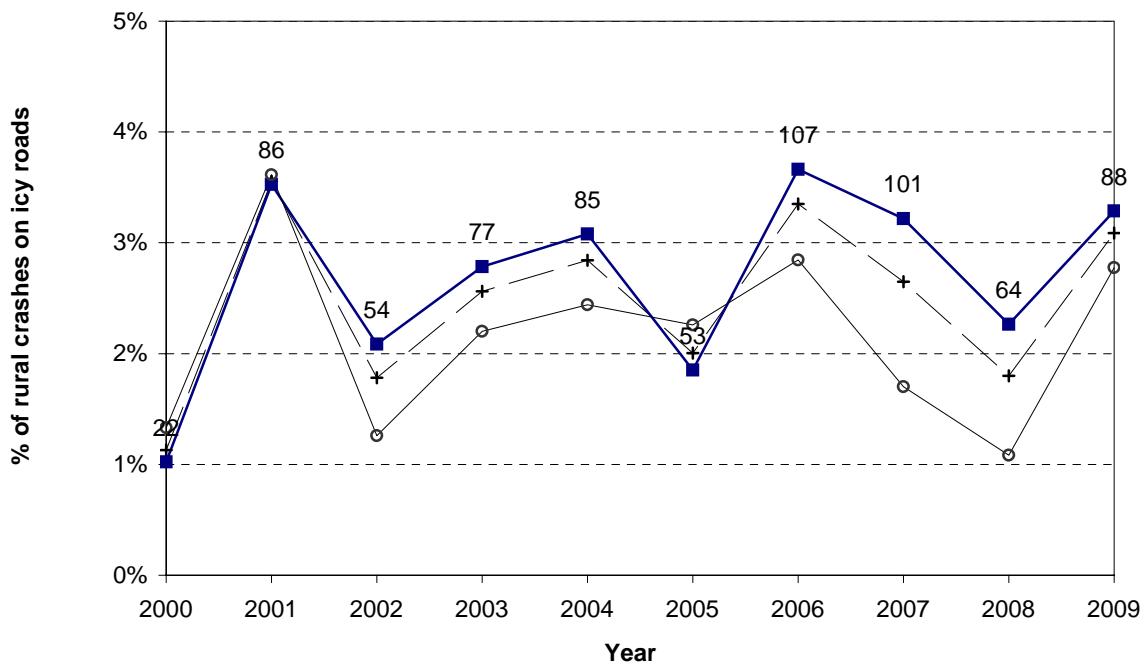
**Figure 6.9 Unsealed road crashes
All NZ - rural state highways**



Note: While the graph plots percentages, the number of crashes is shown against the data points.

—+— All NZ —■— All NZ SH —○— All NZ LR

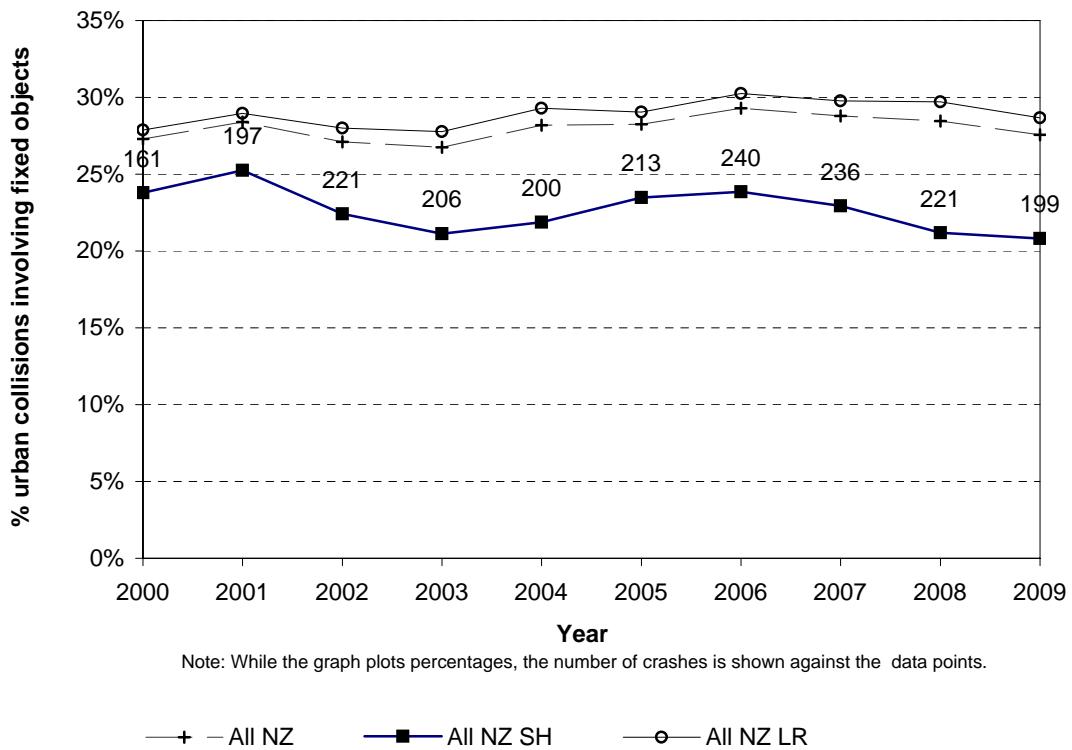
**Figure 6.10 Icy road crashes
All NZ - rural state highways**



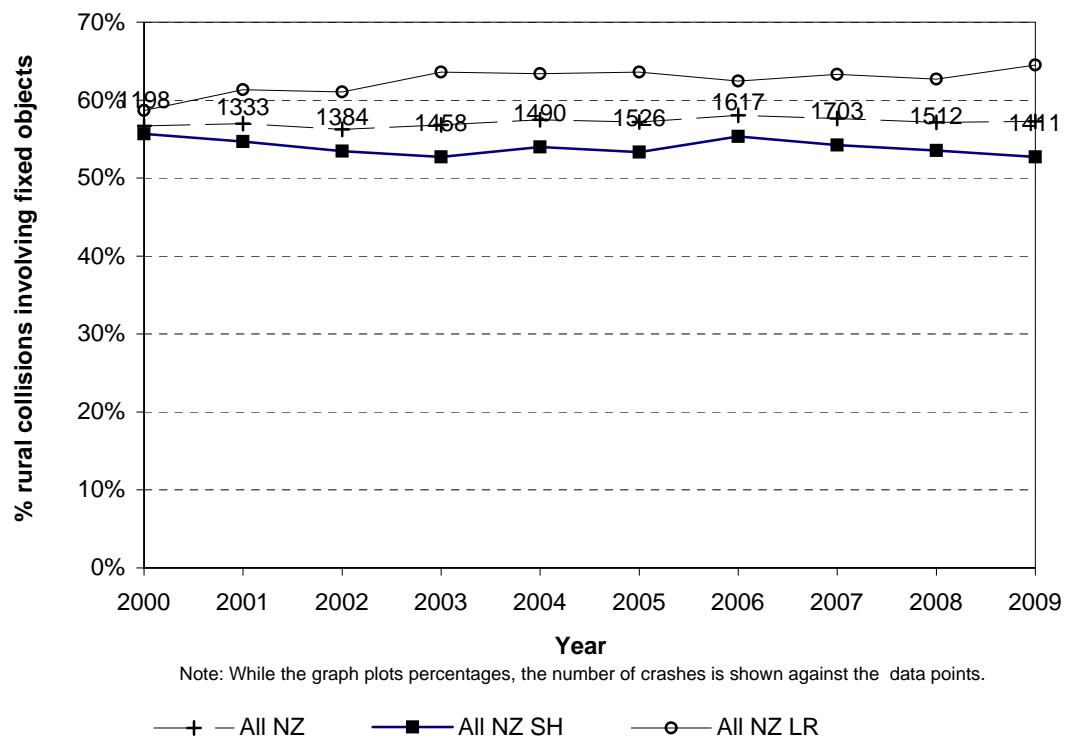
Note: While the graph plots percentages, the number of crashes is shown against the data points.

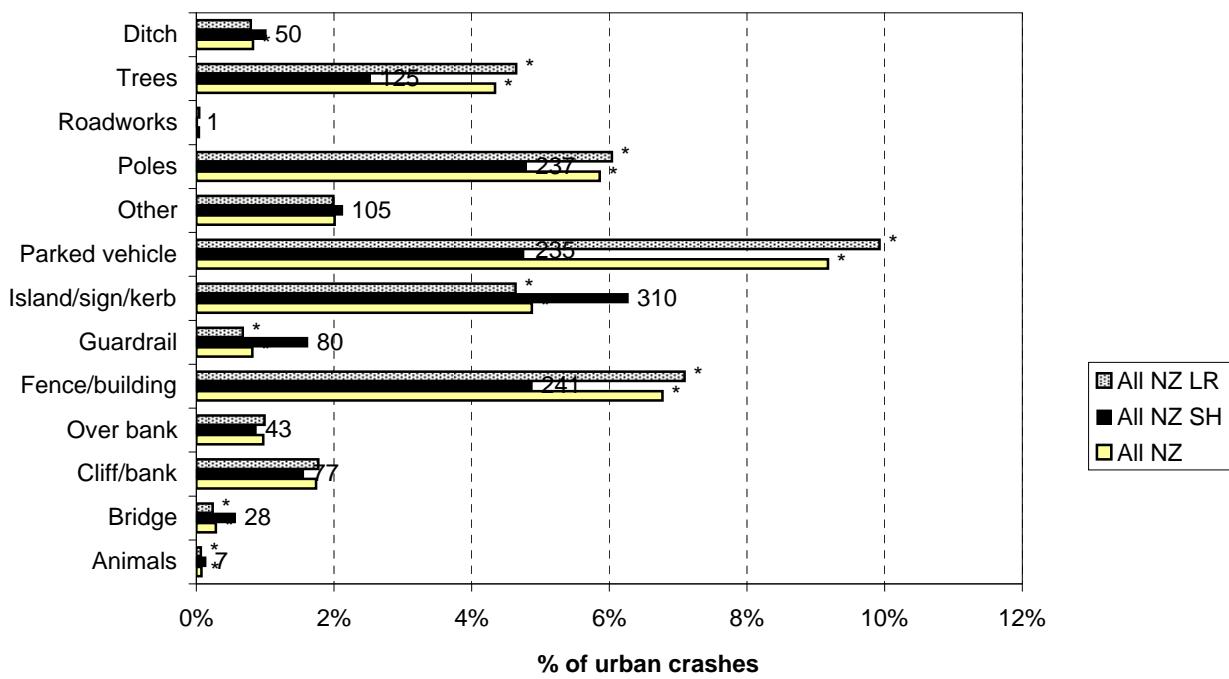
—+— All NZ —■— All NZ SH —○— All NZ LR

**Figure 6.11 Collisions with objects
All NZ - urban state highways**



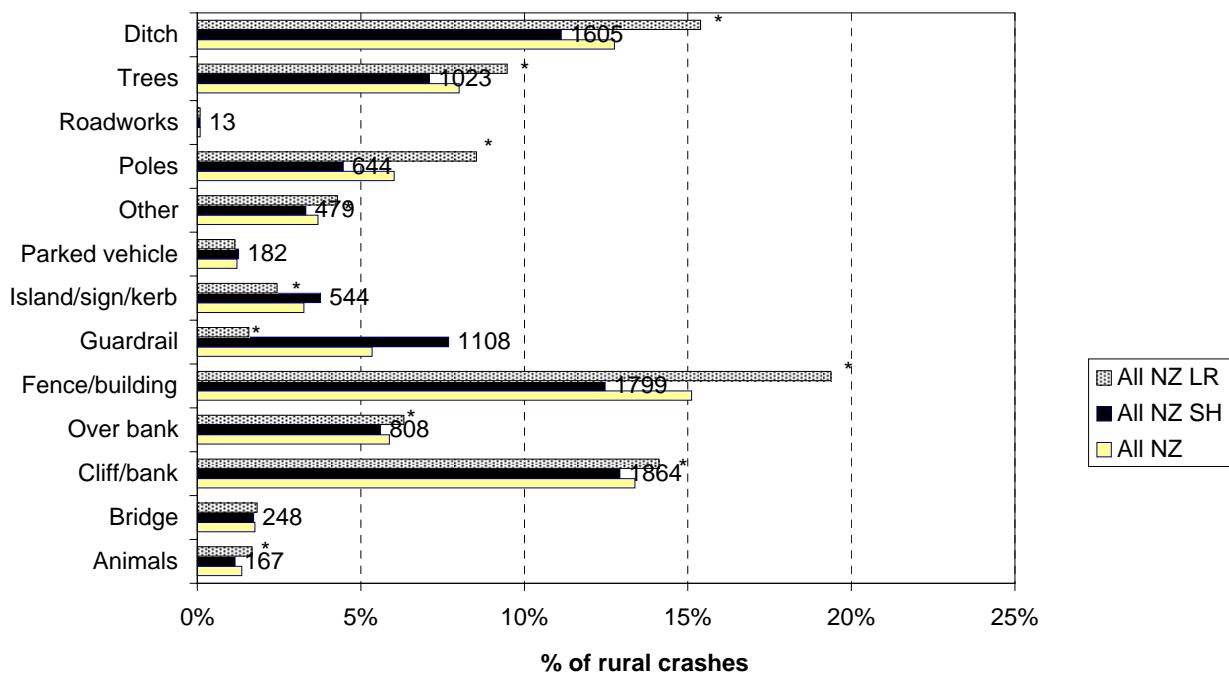
**Figure 6.12 Collisions with objects
All NZ - rural state highways**



**Figure 6.13 Objects struck - urban
All NZ state highways (2005-2009)**


Note: While the graph plots percentages, the number of crashes is shown against the data points.

*Denotes statistically significant difference between Local Authority and National or Peer Group Proportions

**Figure 6.14 Objects struck - rural
All NZ state highways (2005-2009)**


Note: While the graph plots percentages, the number of crashes is shown against the data points.

*Denotes statistically significant difference between Local Authority and National or Peer Group Proportions

Date and Time Statistics

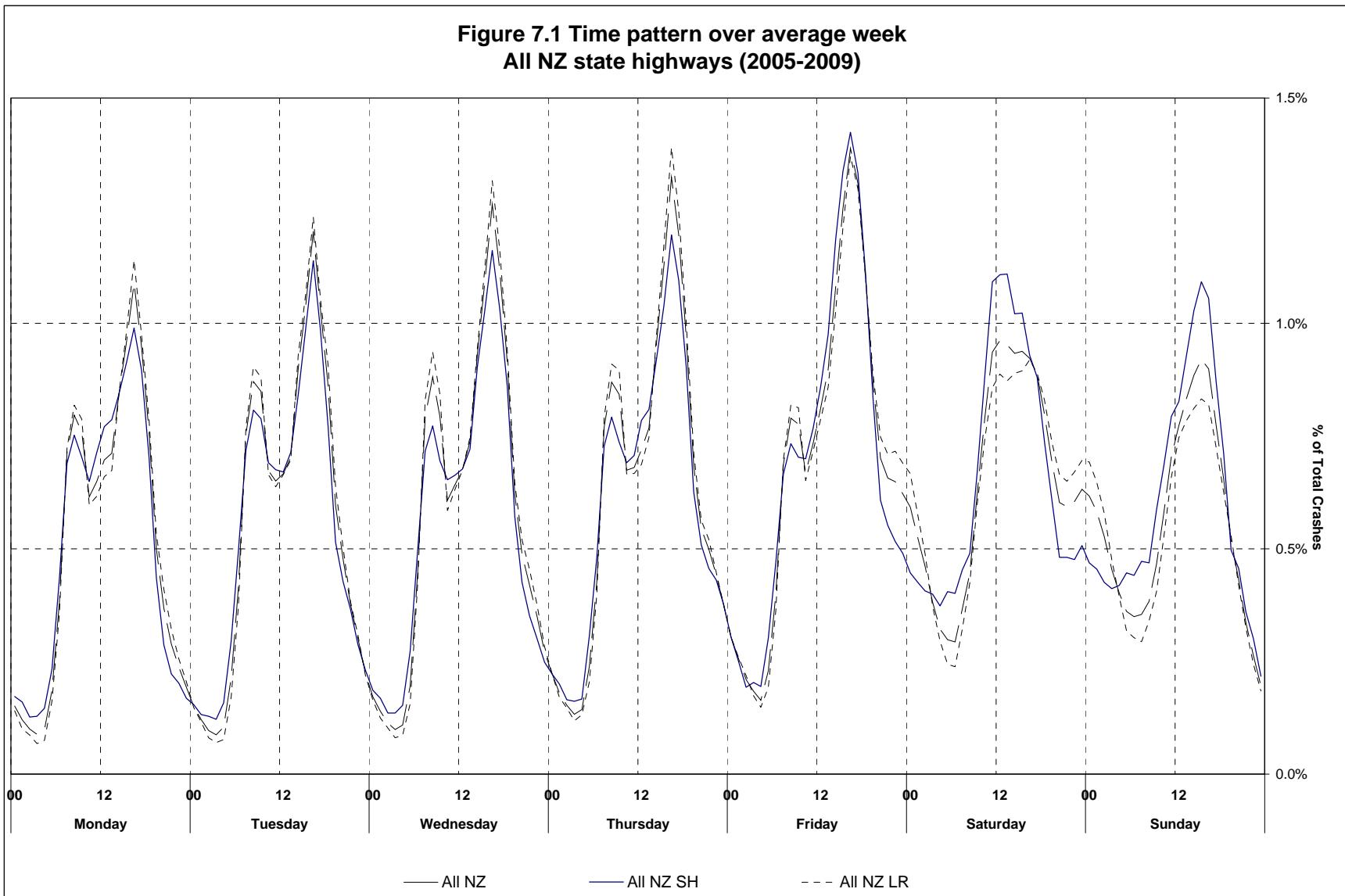


Figure 7.2 Day of week (6 a.m. to 6 a.m.)
All NZ state highways (2005-2009)

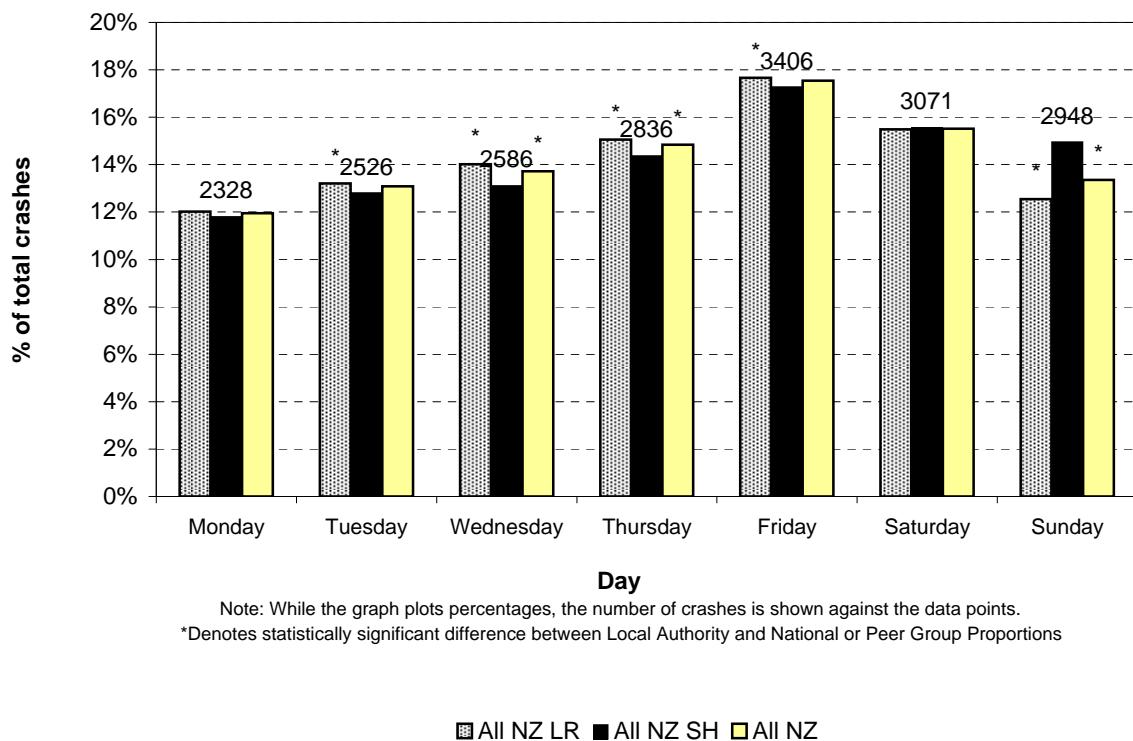
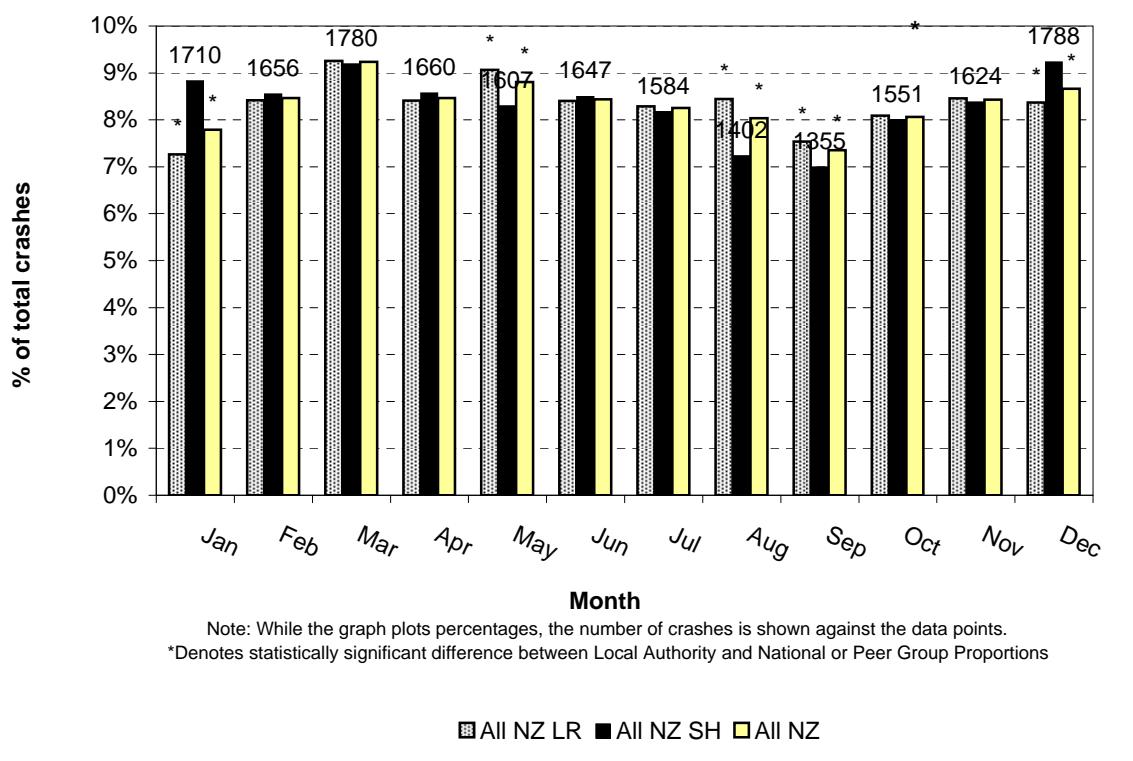
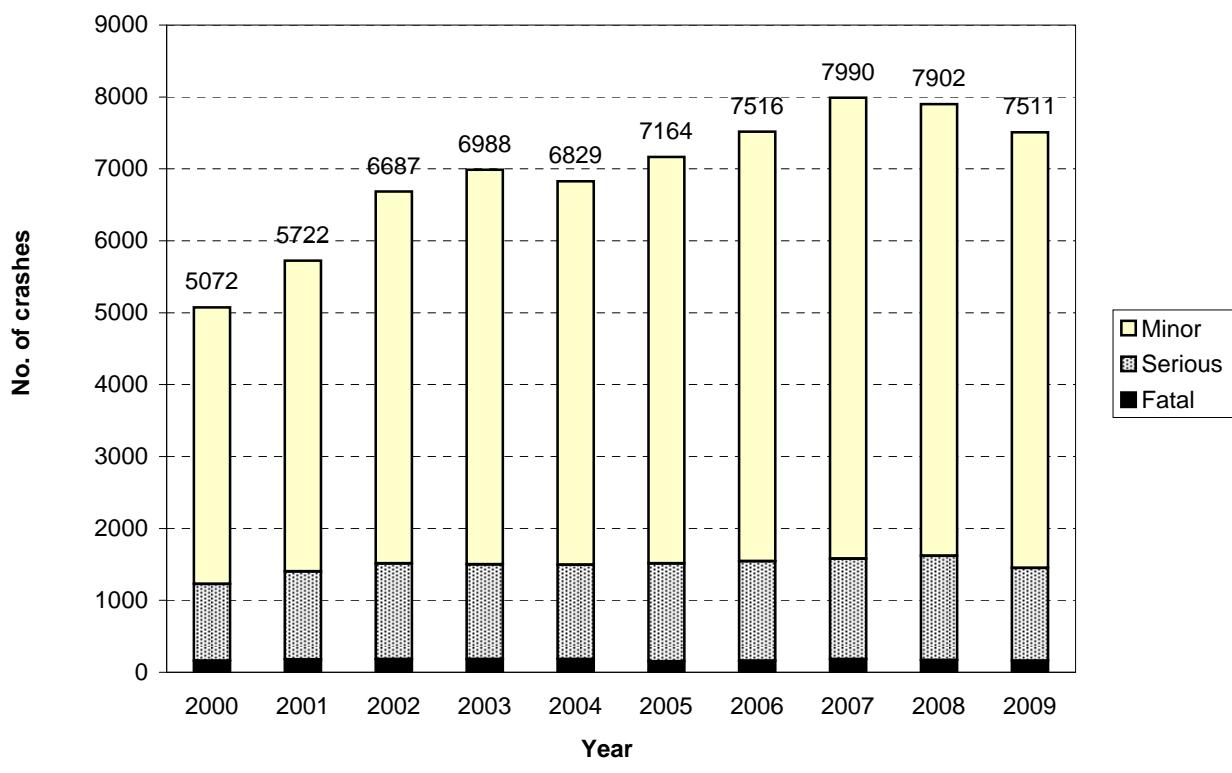


Figure 7.3 Month of year
All NZ state highways (2005-2009)

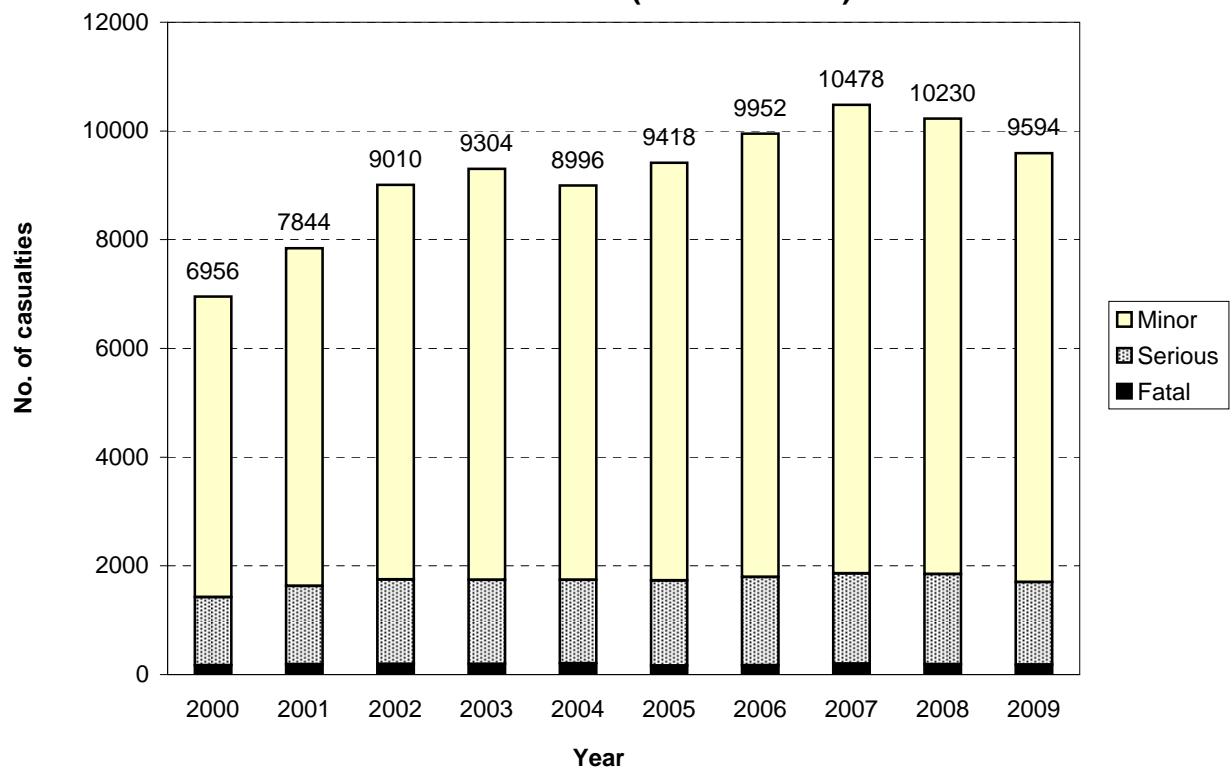


Local Road Statistics

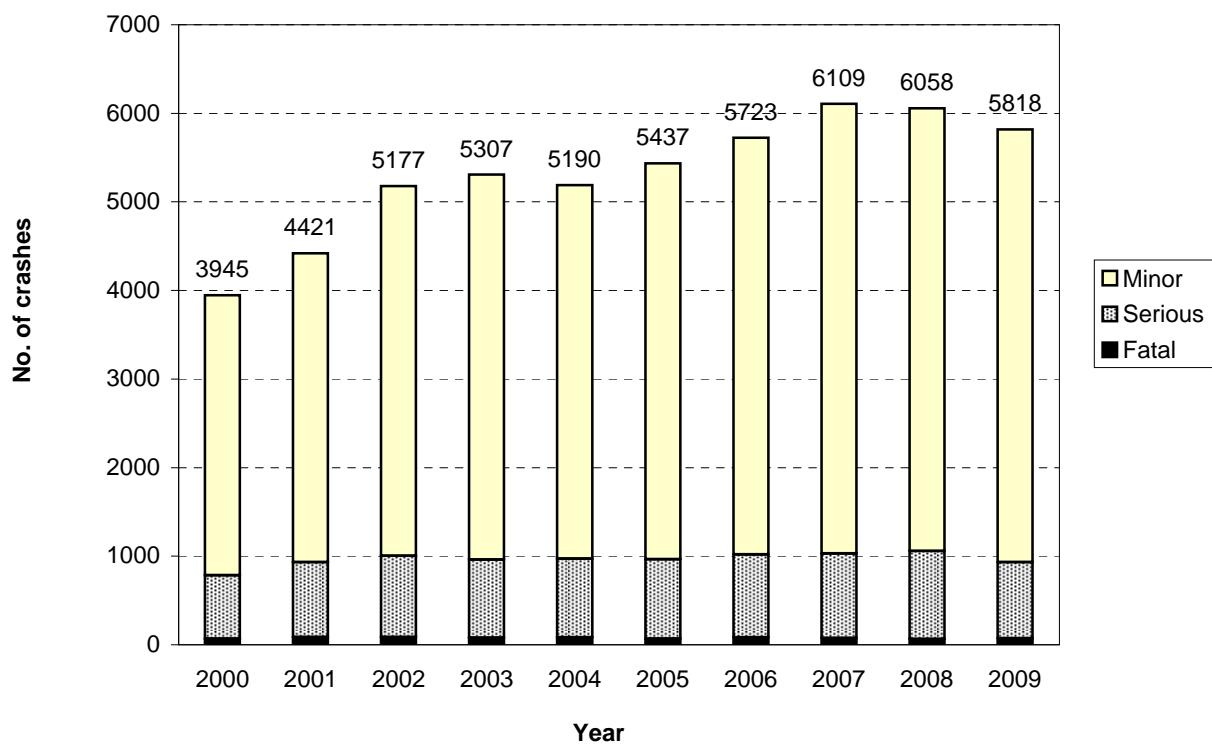
**Figure 8.1 Number of injury crashes
All NZ - council roads (urban & rural)**



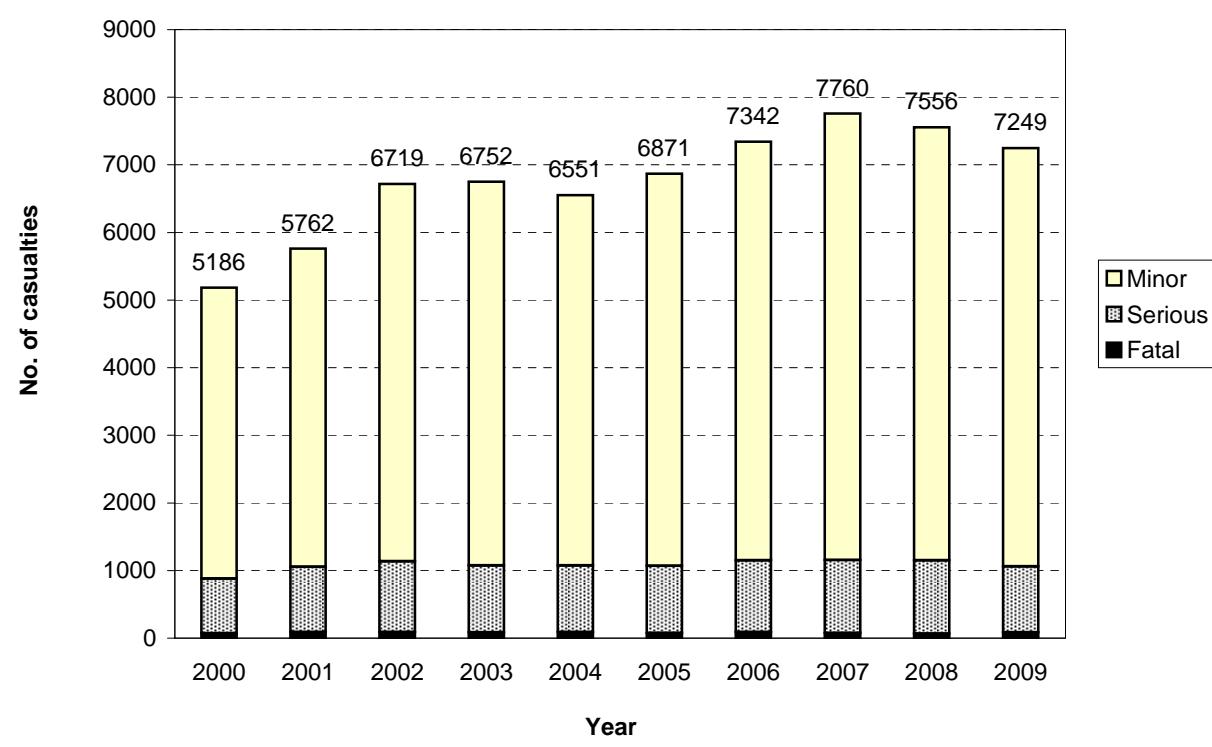
**Figure 8.2 Number of casualties
All NZ - council roads (urban & rural)**



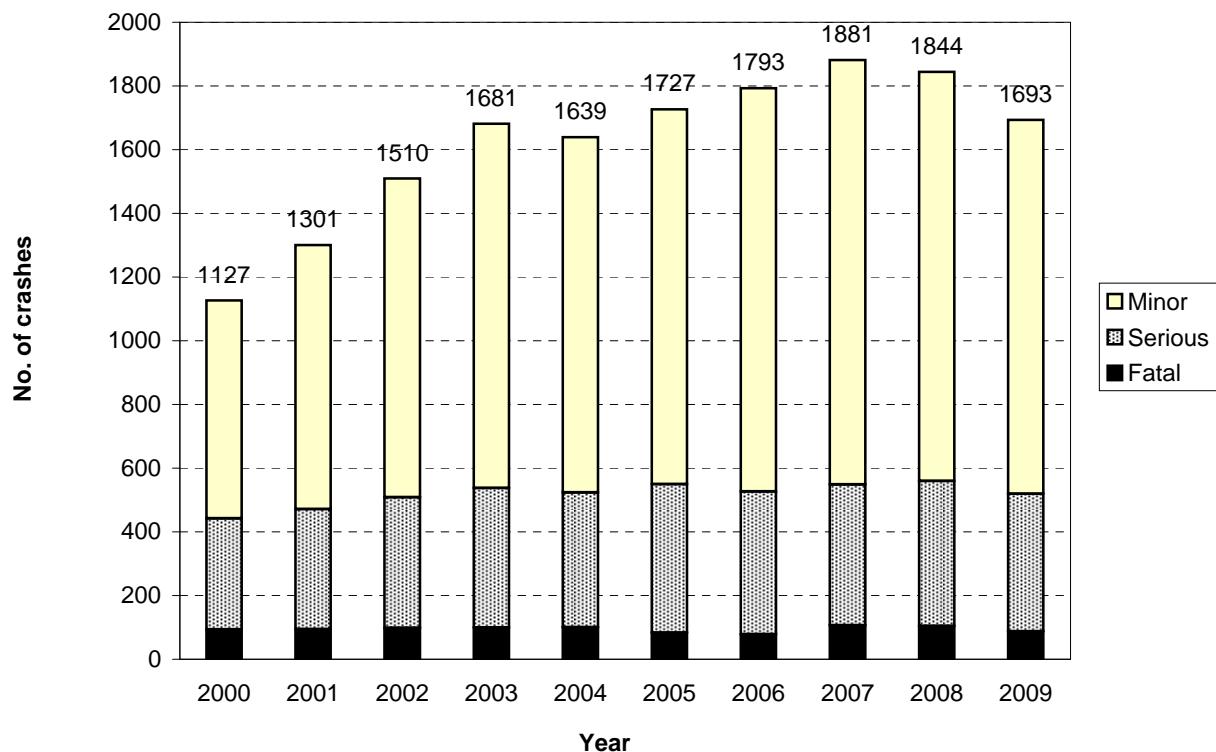
**Figure 8.3 Number of injury crashes
All NZ - urban council roads**



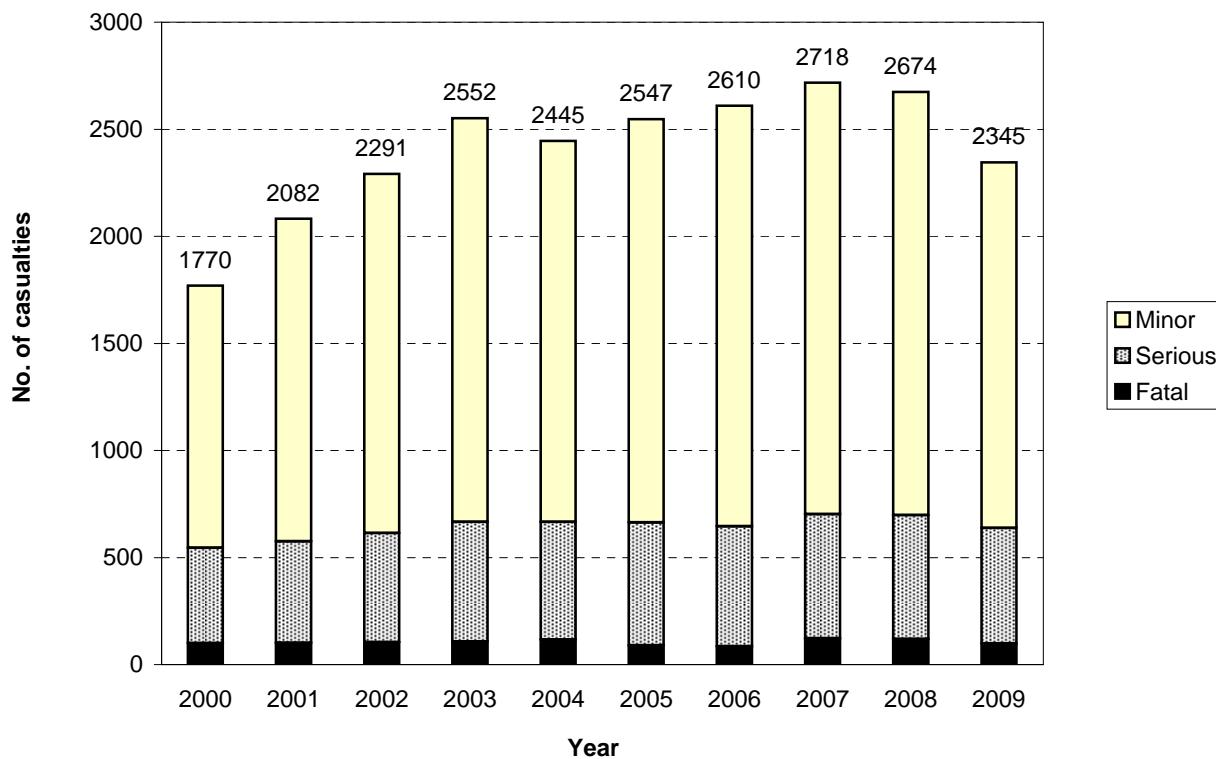
**Figure 8.4 Number of casualties
All NZ - urban council roads**

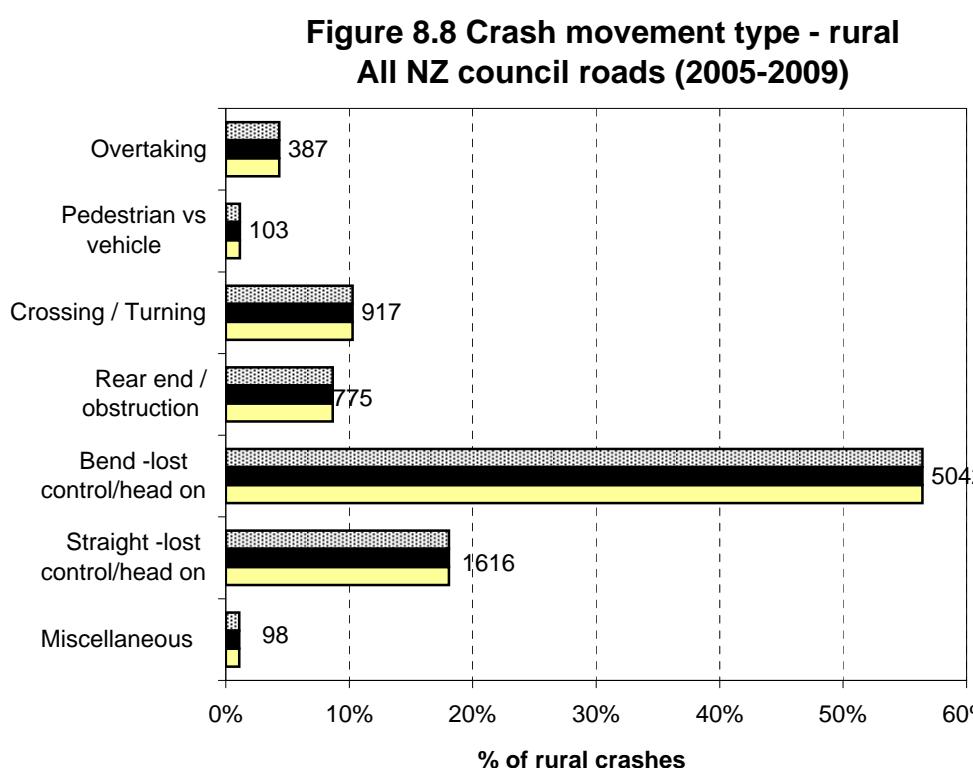
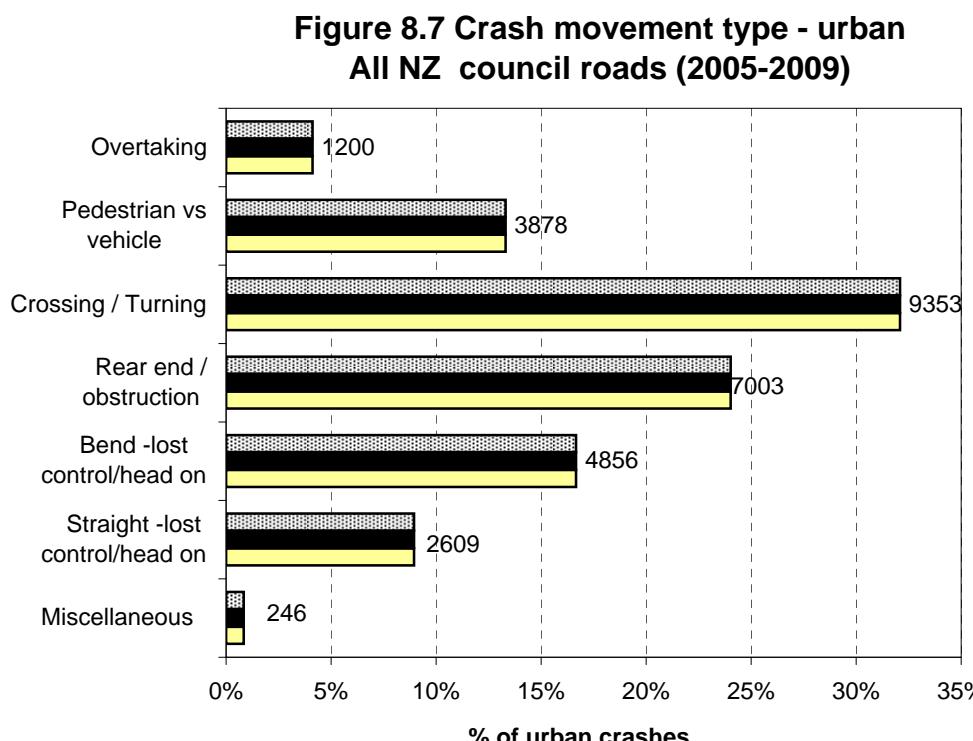


**Figure 8.5 Number of injury crashes
All NZ - rural council roads**

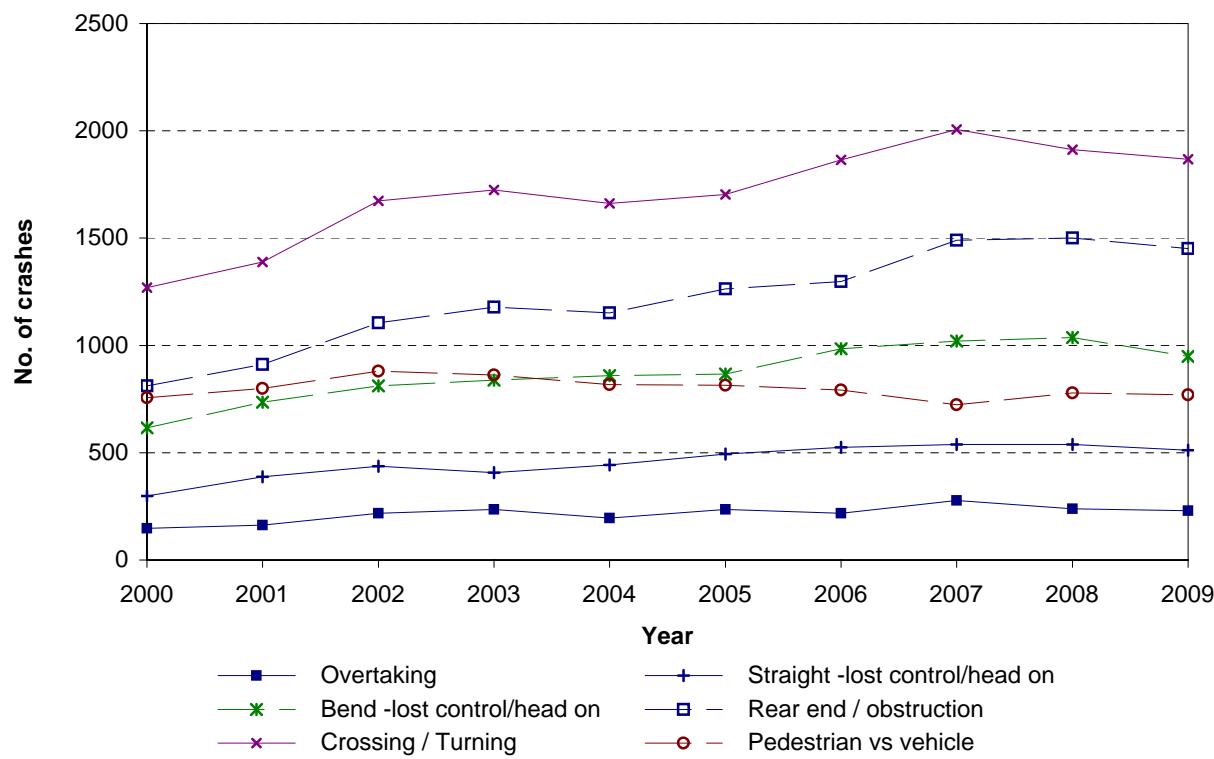


**Figure 8.6 Number of casualties
All NZ - rural council roads**

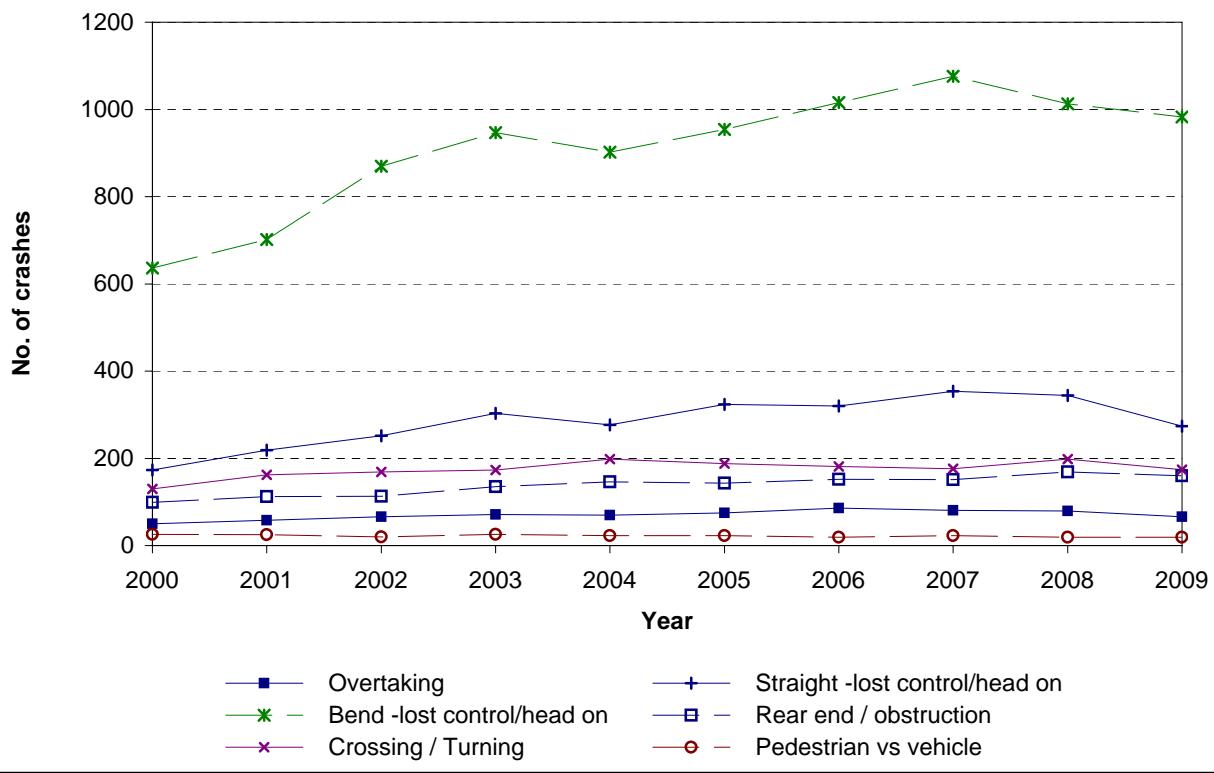




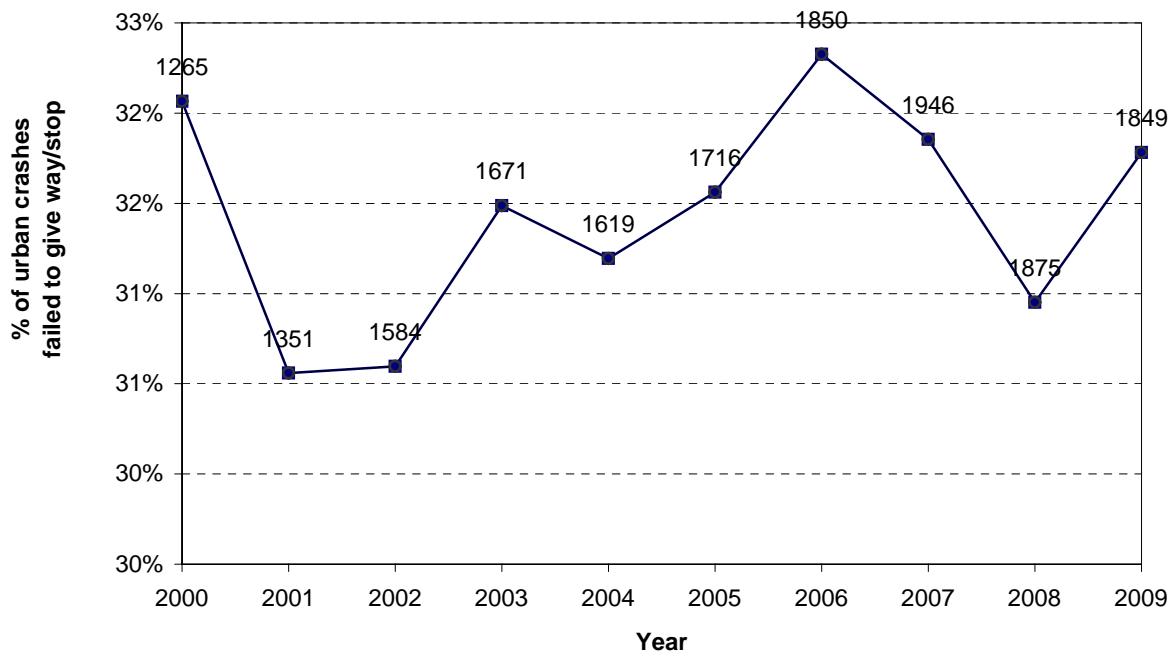
**Figure 8.9 Crash movement type - Trends
All NZ - urban council roads**



**Figure 8.10 Crash movement type - Trends
All NZ - rural council roads**



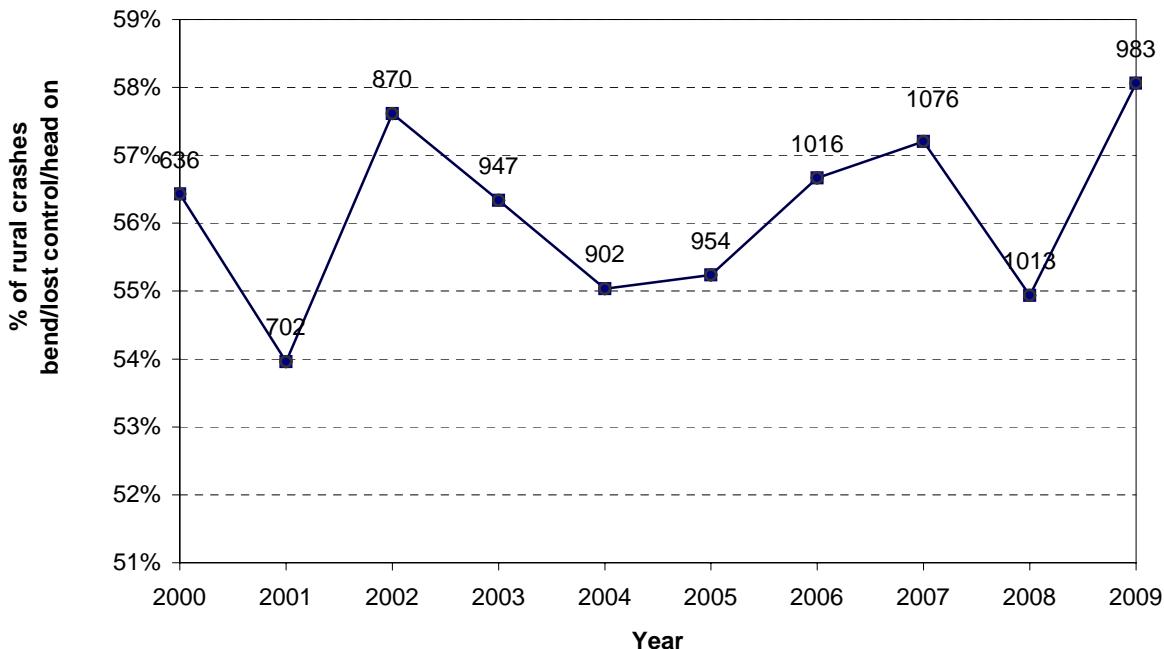
**Figure 8.11 Failed to give way/stop
All NZ - urban council roads**



Note: While the graph plots percentages, the number of crashes is shown against the data points.

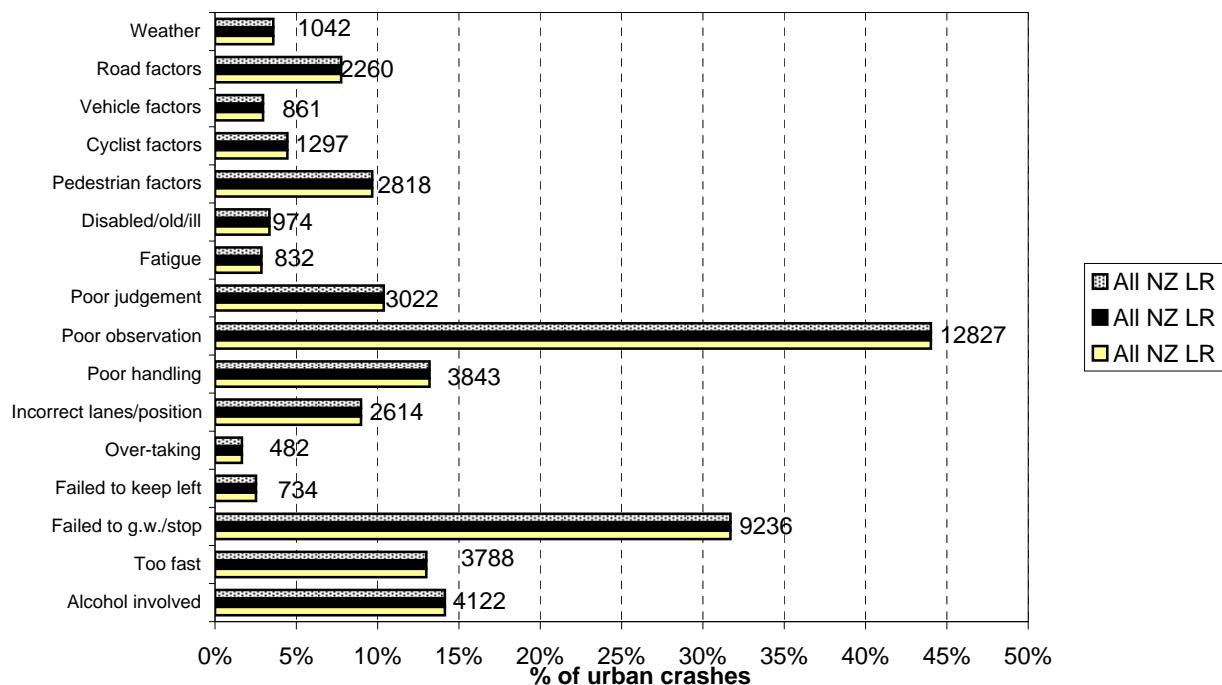
—+— All NZ LR —■— All NZ LR —○— All NZ LR

**Figure 8.12 Bend - lost control / head - on
All NZ - rural council roads**



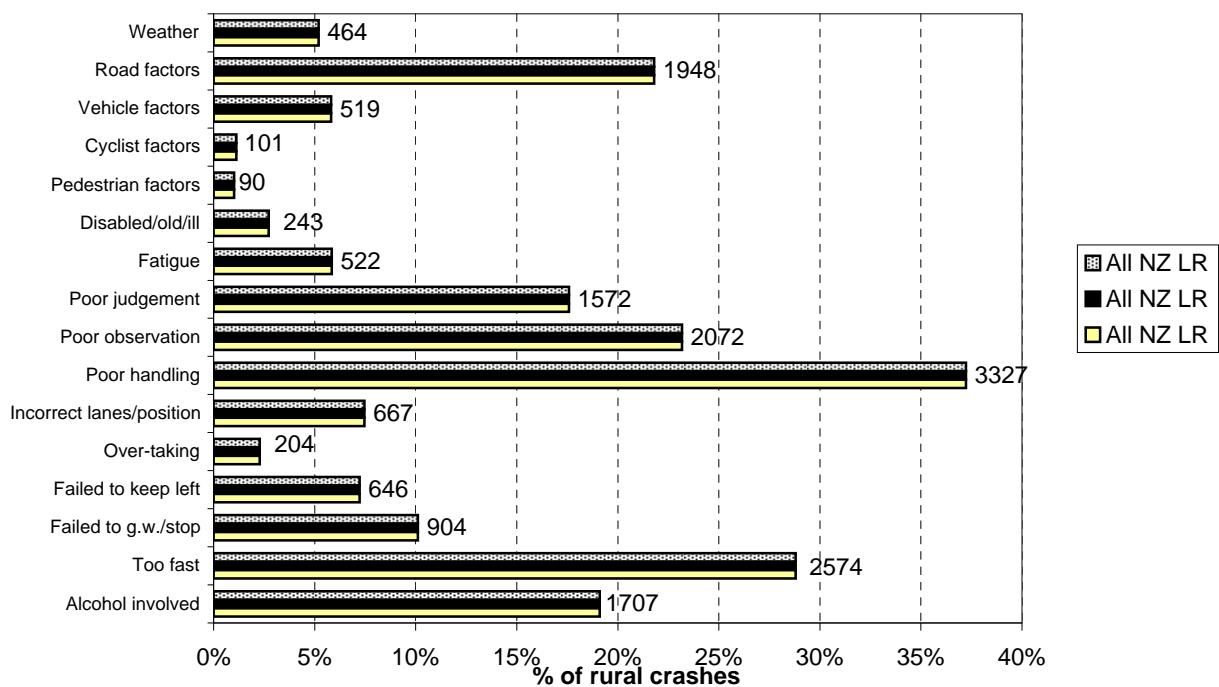
Note: While the graph plots percentages, the number of crashes is shown against the data points.

—+— All NZ LR —■— All NZ LR —○— All NZ LR

**Figure 8.13 Contributing factors - urban
All NZ council roads (2005-2009)**


Note: While the graph plots percentages, the number of crashes is shown against the data points.

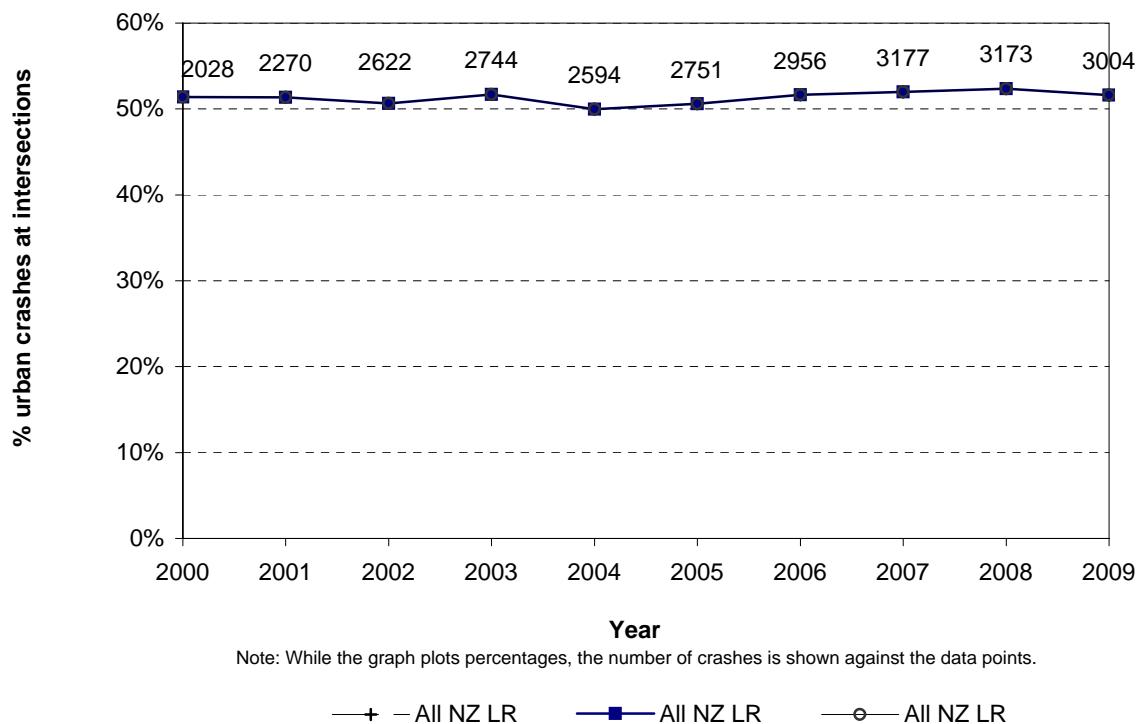
*Denotes statistically significant difference between Local Authority and National or Peer Group Proportions

**Figure 8.14 Contributing factors - rural
All NZ council roads (2005-2009)**


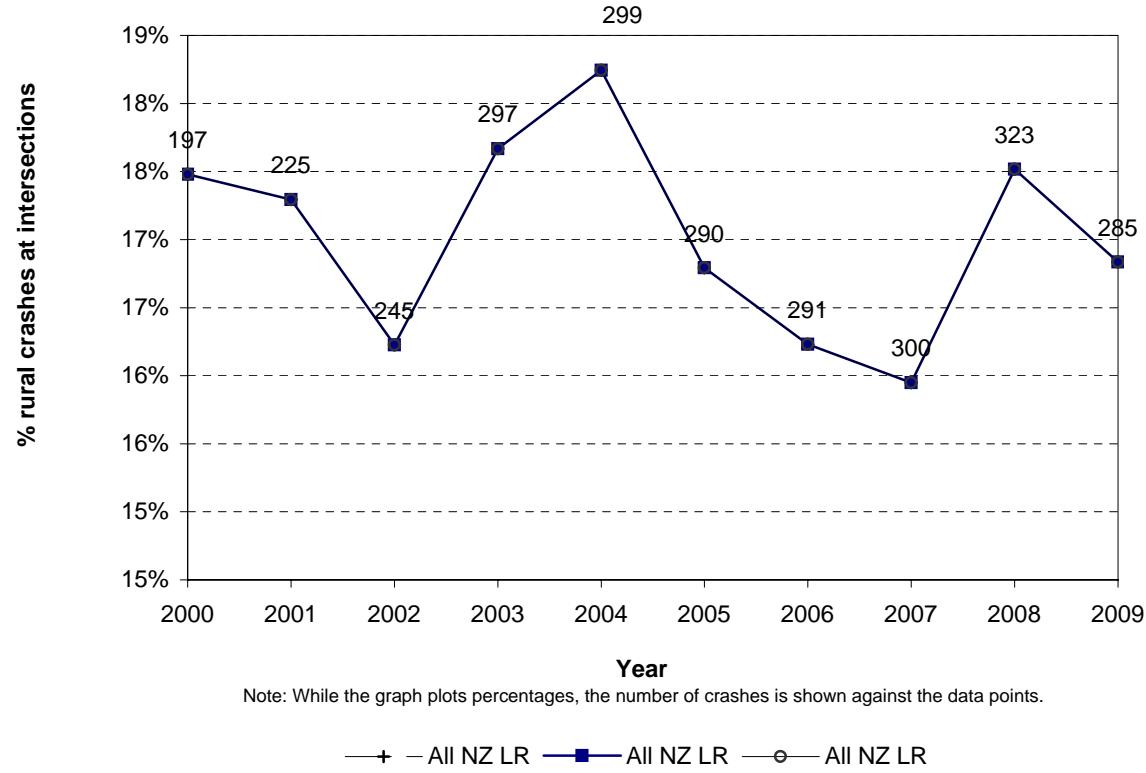
Note: While the graph plots percentages, the number of casualties is shown against the data points.

*Denotes statistically significant difference between Local Authority and National or Peer Group Proportions

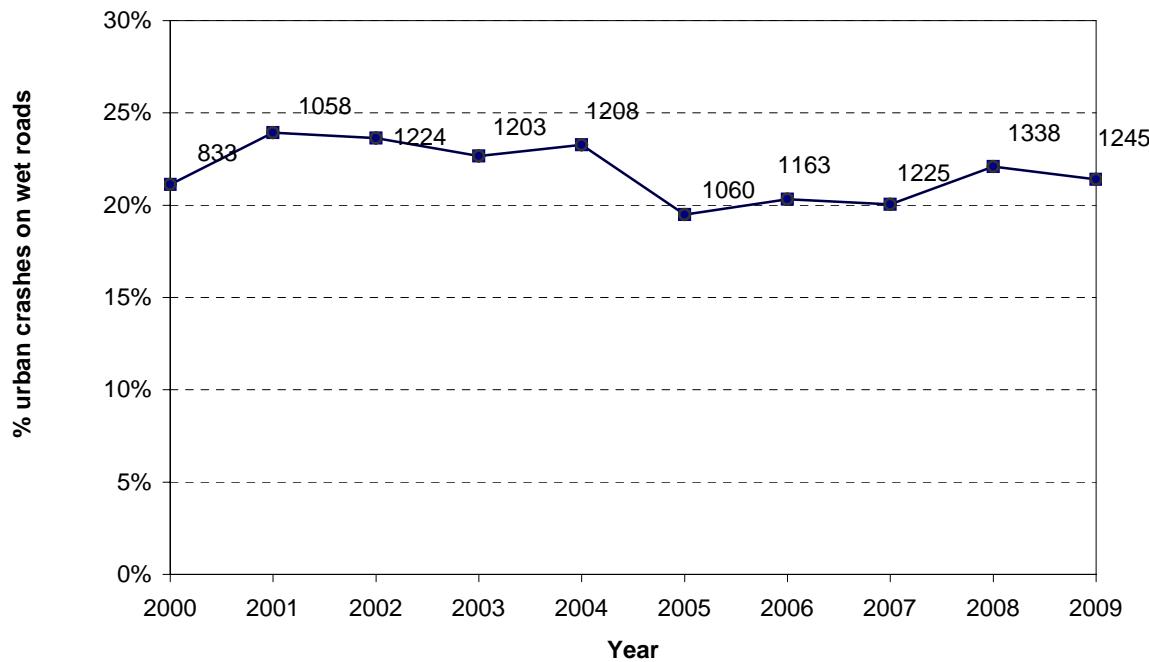
**Figure 8.15 Intersection crashes
All NZ - urban council roads**



**Figure 8.16 Intersection crashes
All NZ - rural council roads**



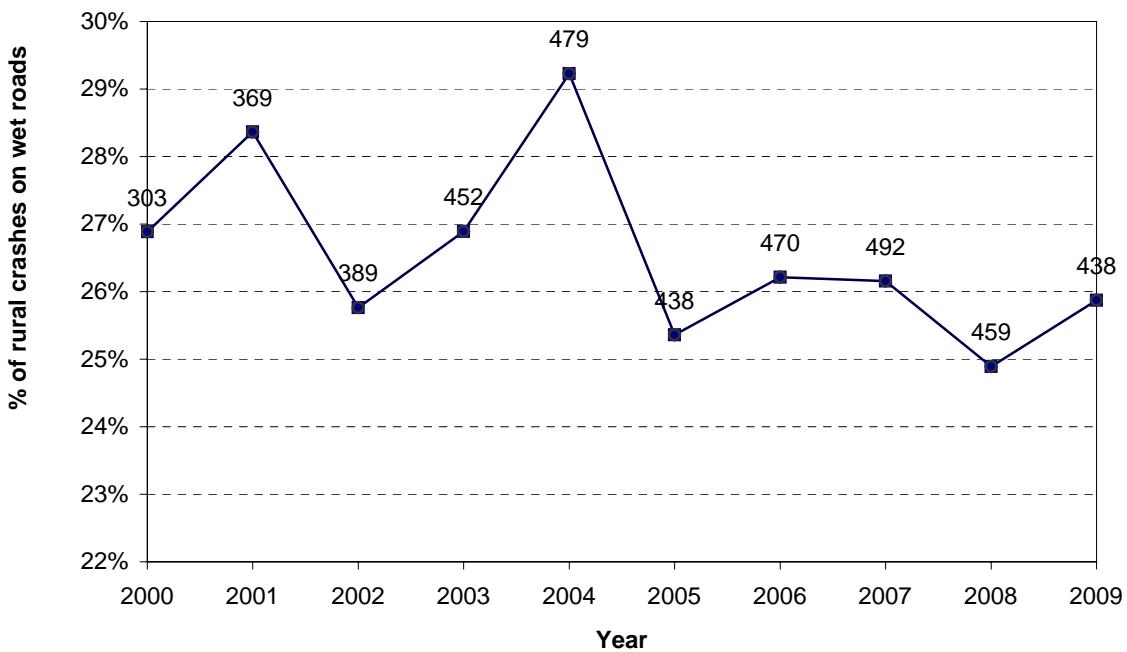
**Figure 8.17 Wet road crashes
All NZ - urban council roads**



Note: While the graph plots percentages, the number of crashes is shown against the data points.

—+— All NZ LR —■— All NZ LR —○— All NZ LR

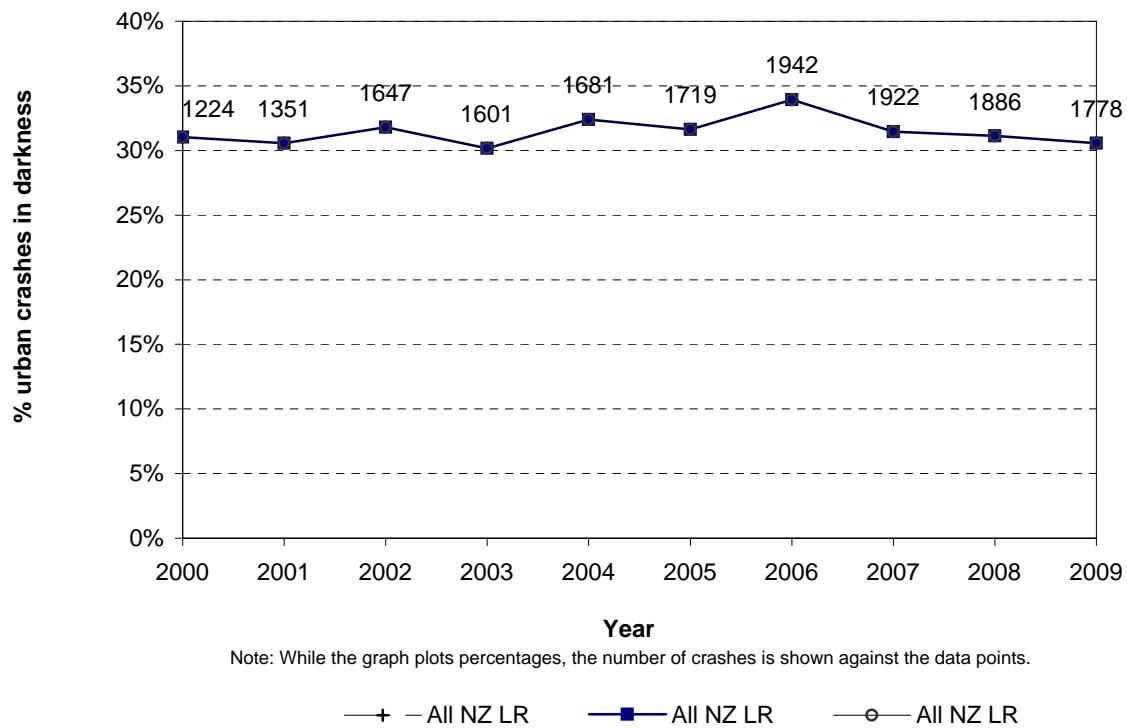
**Figure 8.18 Wet road crashes
All NZ - rural council roads**



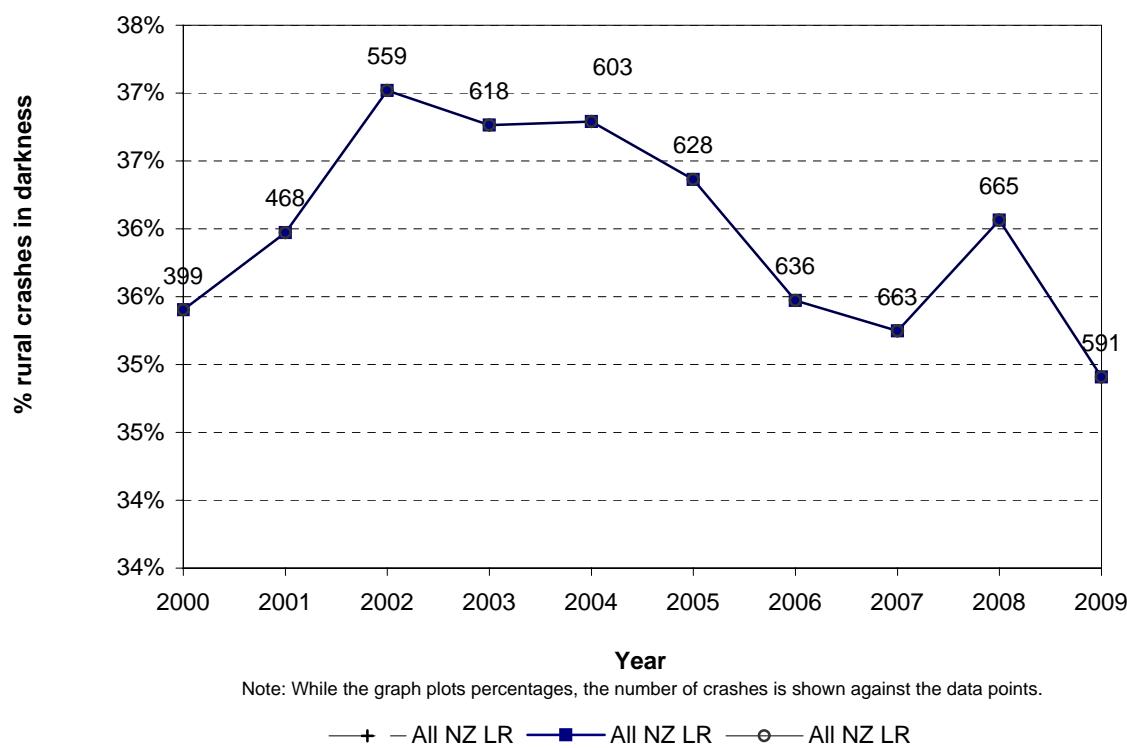
Note: While the graph plots percentages, the number of crashes is shown against the data points.

—+— All NZ LR —■— All NZ LR —○— All NZ LR

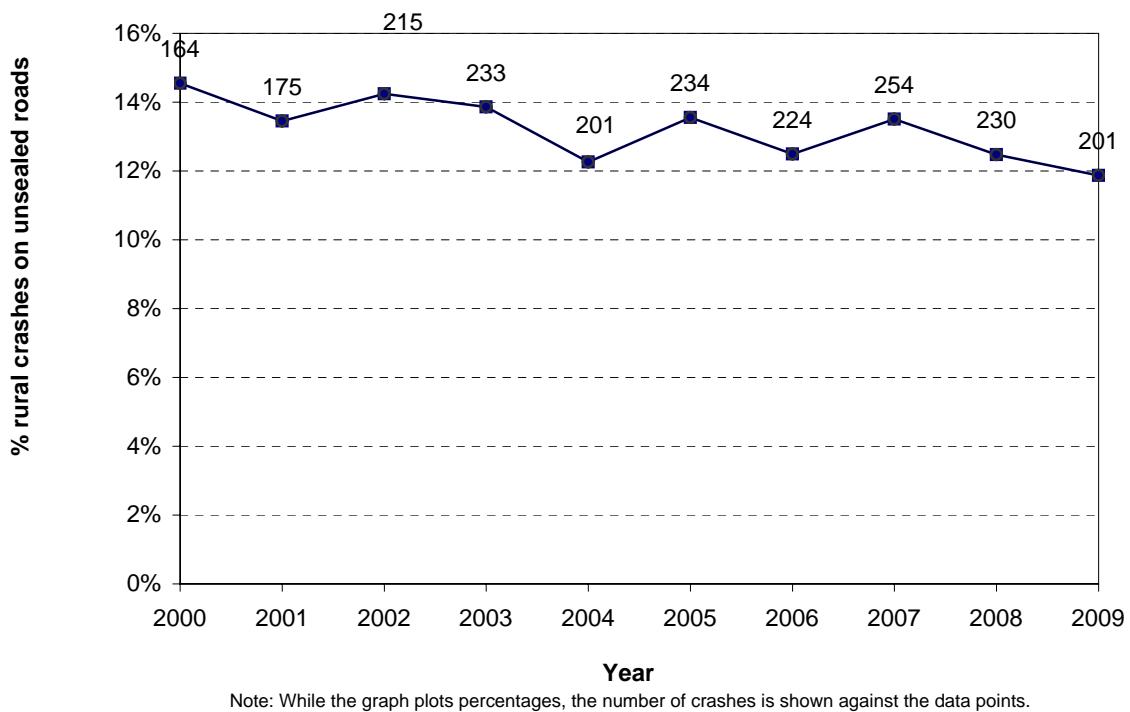
**Figure 8.19 Crashes in darkness
All NZ - urban council roads**



**Figure 8.20 Crashes in darkness
All NZ - rural council roads**



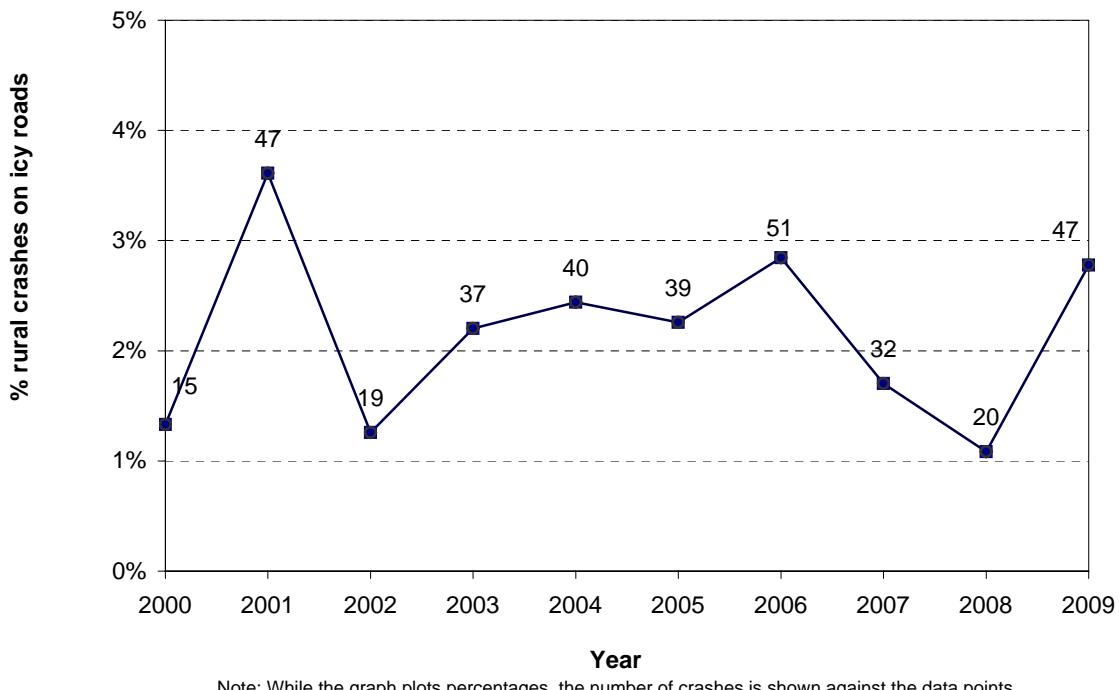
**Figure 8.21 Crashes on unsealed roads
All NZ - rural council roads**



Note: While the graph plots percentages, the number of crashes is shown against the data points.

—+— All NZ LR —■— All NZ LR —○— All NZ LR

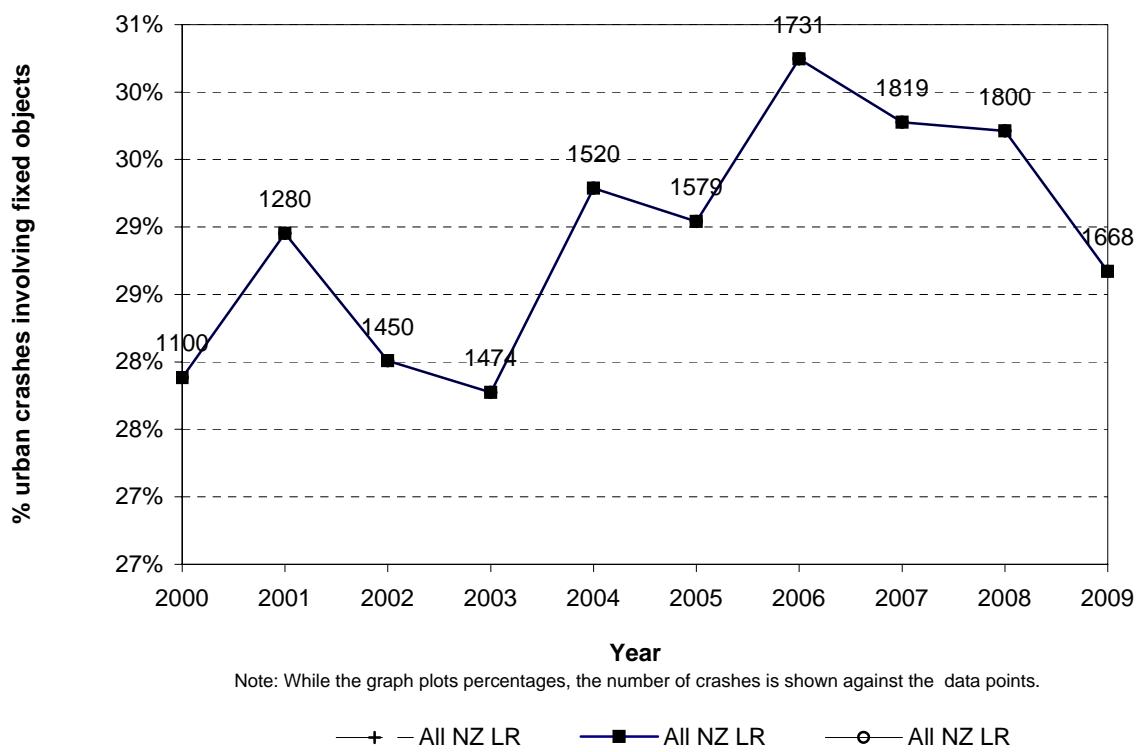
**Figure 8.22 Icy road crashes
All NZ - rural council roads**



Note: While the graph plots percentages, the number of crashes is shown against the data points.

—+— All NZ LR —■— All NZ LR —○— All NZ LR

**Figure 8.23 Collisions with objects
All NZ - urban council roads**



**Figure 8.24 Collisions with objects
All NZ - rural council roads**

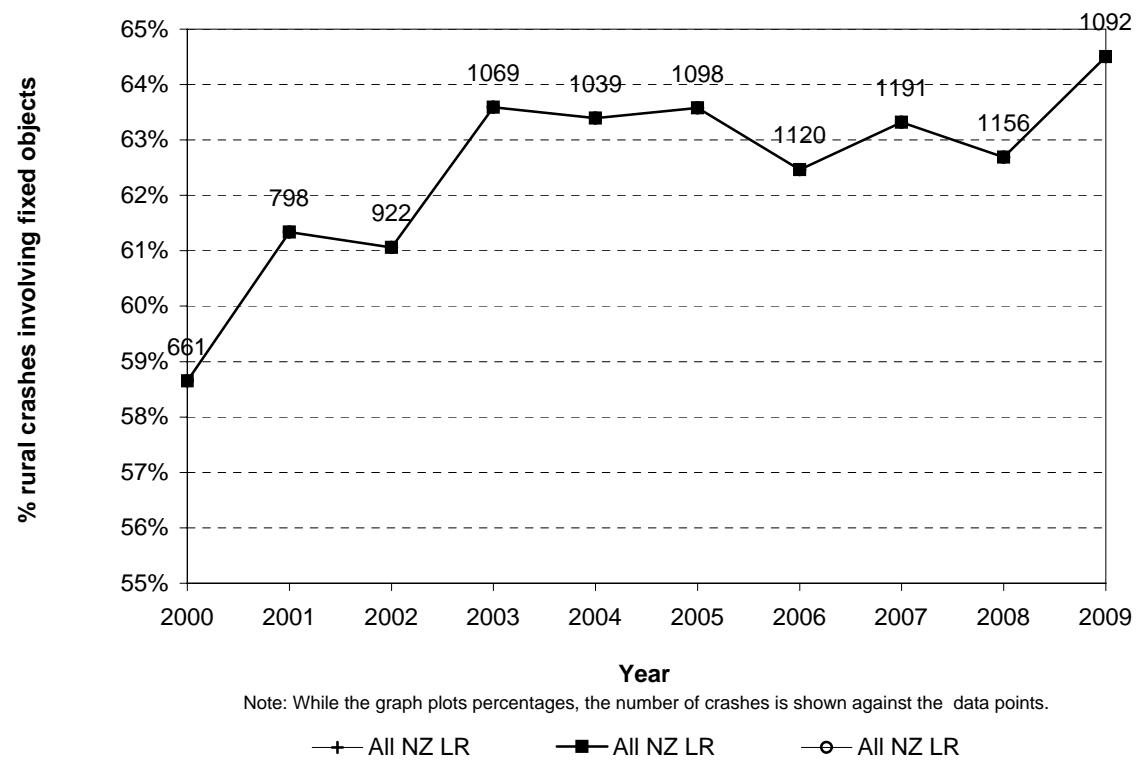
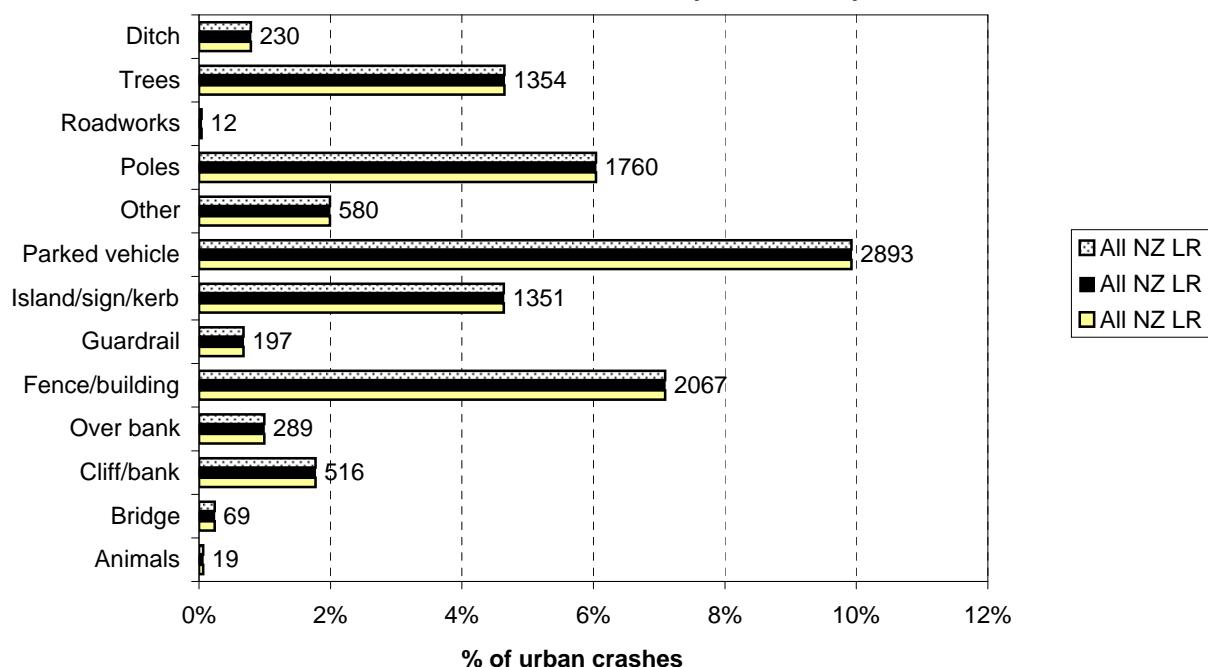
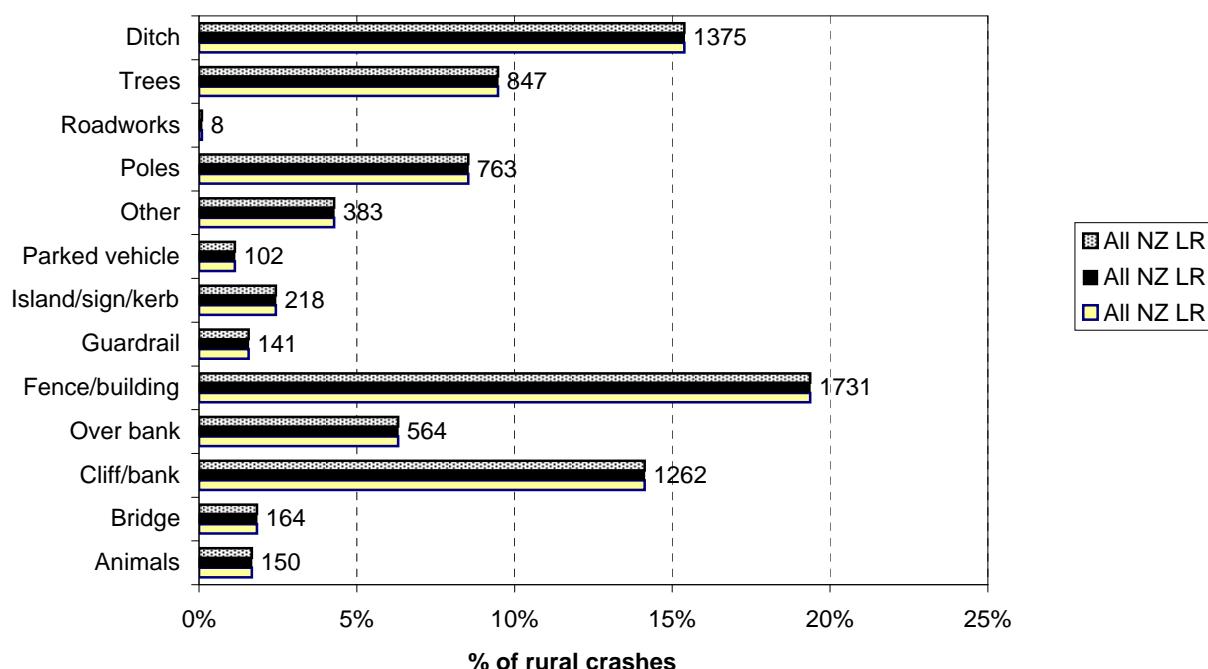


Figure 8.25 Objects struck - urban
All NZ council roads (2005-2009)


Note: While the graph plots percentages, the number of crashes is shown against the data points.

*Denotes statistically significant difference between Local Authority and National or Peer Group Proportions

Figure 8.26 Objects struck - rural
All NZ council roads (2005-2009)


Note: While the graph plots percentages, the number of crashes is shown against the data points.

*Denotes statistically significant difference between Local Authority and National or Peer Group Proportions

Crash Location Statistics

**Table 9.3: State Highway
Urban and Rural Black Spot List
(Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres
Rural Site Radius = 250 metres**
Sites with 5 or more injury crashes or more than \$1500000 in social costs

CRASH ROAD	SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet	Dark	Crash Costs
									Crash %	Crash %	
SH 5	I SH 1N	8	7	7	12	5	39	21	15	15	\$20,231,859
SH 1N	I GILLIES ON NBD	61	74	55	49	56	295	247	19	26	\$14,089,919
SH 1N	I ONEWA ON SBD	40	32	50	33	37	192	161	19	32	\$14,059,086
SH 1N	800 S LINK ROAD	1	1	1	1	0	4	1	25	0	\$12,998,156
SH 50A	800 S EVENDEN ROAD	1	2	1	0	0	4	1	0	100	\$12,483,554
SH 1N	A PENROSE OBR	62	56	53	41	34	246	186	20	18	\$12,332,978
SH 1N	I MANUKAU OFF NBD	11	8	8	19	13	59	43	34	22	\$11,973,231
SH 33	10000 S ALLPORT ROAD	1	0	1	1	2	5	1	100	20	\$11,057,837
SH 29	I BELK ROAD	0	2	1	7	4	14	9	57	36	\$10,794,190
SH 1N	I SCHOLLUM ACCESS ROAD	6	5	4	3	6	24	17	67	38	\$10,116,088
SH 2	I PILMER ROAD	2	0	0	1	2	5	1	40	60	\$10,039,434
SH 1N	I FANSHAWE ON NBD	43	37	35	25	29	169	147	27	31	\$9,747,470
SH 56	I TE WANAKA ROAD	3	0	3	1	0	7	4	43	57	\$9,742,024
SH 1N	330 S HOROTIU BRIDGE ROAD	1	2	1	1	1	6	2	50	67	\$9,717,612
SH 1N	500 N FOX ROAD	1	3	0	1	2	7	3	29	57	\$9,675,867
SH 77	800 E BRIDGE ST	0	0	2	1	1	4	0	50	75	\$9,447,200
SH 1N	A SHELLY BEACH OBR	31	21	27	23	42	144	110	26	33	\$9,360,920
SH 2	I KOPUKU ROAD	3	1	1	1	1	7	3	43	29	\$9,319,066
SH 27	I KUTIA ROAD	1	2	1	1	1	6	2	17	0	\$9,313,852
SH 3	I FINNERTY ROAD	0	2	0	3	2	7	0	43	71	\$9,192,400
SH 12	I WAIMATENUI ROAD	2	1	2	0	0	5	0	0	20	\$9,128,700
SH 1N	I SEART OFF SBD	18	24	10	13	9	74	54	20	27	\$9,121,126
SH 1B	2000 S TE PUTU ST	0	3	2	0	0	5	2	40	60	\$9,112,952
SH 2	610 W MOHAKA TOWNSHIP ROAD	0	0	1	3	0	4	1	25	25	\$9,070,397
SH 1N	200 W PUKETIRAU ROAD	1	2	0	0	0	3	1	33	0	\$9,027,196
SH 2	500 S CONDOIT ROAD	1	3	1	1	0	6	3	67	33	\$8,970,207
SH 1N	I MANUKAU ON SBD	13	15	15	16	16	75	53	39	29	\$8,969,716
SH 1N	1000 N SH 29	2	1	1	2	1	7	4	71	29	\$8,938,241
SH 33	I BANKSIA PLACE	1	2	0	0	0	3	1	67	33	\$8,872,356
SH 1N	I KHYBER PASS OFF NBD	32	41	27	36	31	167	138	13	21	\$8,856,089
SH 57	2500 E POTTS ROAD	1	0	0	1	1	3	1	0	33	\$8,803,837
SH 30	3000 E OHAKURI ROAD	0	0	4	1	2	7	3	57	43	\$8,732,311
SH 1N	I CENTENNIAL NBD	16	17	15	16	20	84	53	48	40	\$8,731,708
SH 6	400 W EIGHTY EIGHT VALLEY RO.	0	0	0	1	2	3	0	33	0	\$8,711,220
SH 16	400 S KIWITAHU ROAD	2	1	2	0	0	5	1	40	60	\$8,695,057
SH 1N	700 S FOREST LAKES ROAD	1	1	0	0	1	3	0	67	33	\$8,612,240
SH 1N	I WELLESLEY OFF NBD	32	34	37	38	31	172	140	24	36	\$8,611,063
SH 1S	I BREADINGS ROAD	1	1	0	0	2	4	2	0	75	\$8,608,252
SH 2	I MAKETU ROAD	3	6	6	1	4	20	12	20	25	\$8,601,729
SH 1N	2660 N SH 1B	2	0	0	1	1	4	1	25	50	\$8,578,254
SH 1N	I TAKANINI OFF SBD	18	10	19	11	12	70	50	23	30	\$8,382,351
SH 1N	A GREENLANE OFF NBD	20	25	24	27	23	119	89	22	25	\$8,192,040
SH 1N	500 N LOOP ROAD N	0	3	3	1	2	9	3	22	56	\$8,166,851
SH 16	I NEWTON ON WBD	39	33	38	19	17	146	116	25	21	\$8,145,994
SH 60	400 S WHARF ROAD	0	1	0	2	0	3	0	67	33	\$8,145,760
SH 16	300 W BOND OBR	15	19	15	8	8	65	48	32	26	\$8,097,037
SH 1N	2900 S WAIPU GORGE ROAD	0	2	1	0	1	4	1	100	0	\$7,817,876
SH 1S	I WILLIAMS ST	5	8	6	3	2	24	14	17	29	\$7,815,884
SH 1N	I MOWER ROAD	0	2	1	1	1	5	3	0	20	\$7,803,271
SH 2	220 N NGAKOROA ROAD	1	0	0	0	3	4	2	25	50	\$7,799,834

**Table 9.3: State Highway
Urban and Rural Black Spot List
(Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres
Rural Site Radius = 250 metres**
Sites with 5 or more injury crashes or more than \$1500000 in social costs

CRASH ROAD	SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet	Dark	Crash Costs
									Crash %	Crash %	
SH 16	TE ATATU ON WBD	9	11	4	14	7	45	33	29	38	\$7,618,967
SH 2	SH 5	3	3	1	3	2	12	4	17	17	\$7,559,402
SH 1N	OTAHUHU ON SBD	20	20	15	19	23	97	76	26	40	\$7,546,310
SH 16	PT CHEV ON EBD	13	14	18	12	10	67	50	49	42	\$7,497,652
SH 1N	CURRAN ON NBD	27	28	22	32	42	151	118	23	21	\$7,299,893
SH 1N	MAIN OBR	14	11	6	13	9	53	43	21	26	\$7,248,953
SH 3	WIKITORIA ROAD	2	5	5	6	0	18	10	0	22	\$7,168,030
SH 50	SH 50A	7	15	6	2	2	32	20	22	16	\$7,162,113
SH 26	SH 25	7	1	9	6	2	25	10	16	20	\$7,155,549
SH 1B	1500 S TE PUTU ST	2	6	2	0	0	10	4	80	0	\$6,927,220
SH 1N	TE COMA OFF SBD	10	13	13	9	14	59	48	19	41	\$6,866,890
SH 3	RAYNES ROAD	5	2	3	3	7	20	8	60	30	\$6,847,847
SH 50	MEEANEE ROAD	13	11	14	3	1	42	31	21	38	\$6,830,617
SH 2	1600 E WAIOTAHY VALLEY BACK R	1	0	2	1	0	4	1	0	25	\$6,800,717
SH 73 WEST COAST	BUCHANANS ROAD	3	4	6	0	3	16	7	13	25	\$6,745,715
SH 2	800 N ATHENREE ROAD	0	2	0	2	0	4	1	0	0	\$6,726,237
SH 30	PAROA ROAD	0	4	6	1	0	11	3	18	36	\$6,706,569
SH 1N	SH 12	4	6	3	1	3	17	11	47	29	\$6,686,414
SH 57	QUEEN ST EAST	2	9	1	2	1	15	6	27	20	\$6,660,674
SH 16	ROYAL ON EBD	9	5	10	7	5	36	26	33	36	\$6,614,550
SH 1N	OTAHUHU OFF SBD	15	10	7	8	12	52	44	27	29	\$6,570,946
SH 17	SILVERDALE ST	5	6	9	8	9	37	28	16	16	\$6,570,550
SH 12	WALLIS ROAD	5	1	2	2	2	12	7	25	33	\$6,467,805
SH 1N	500 N CURRAN ON NBD	25	8	19	19	30	101	81	26	22	\$6,460,708
ROSCOMMON ROAD	WIRI STATION ROAD S	6	19	9	14	11	59	48	17	36	\$6,440,297
SH 35	HIRUHARAMA ROAD	2	0	1	0	0	3	2	33	67	\$6,383,550
SH 2	MCPHERSON ROAD	2	2	5	5	2	16	7	44	44	\$6,378,215
SH 16	ST LUKES ON WBD	5	14	11	5	7	42	30	33	52	\$6,377,317
SH 20A	KIRKBRIDE ROAD	9	6	6	8	10	39	29	26	44	\$6,367,983
SH 1N	FALLS BR	5	3	6	5	5	24	19	79	29	\$6,365,805
SH 2	MOONSHINE ROAD	8	4	4	2	2	20	13	35	30	\$6,363,624
SH 1N	KOPETI ROAD	4	2	1	0	2	9	4	11	0	\$6,357,820
SH 1N	NOVA SCOTIA DRIVE	3	2	1	1	2	9	4	22	11	\$6,312,740
SH 14	1000 S WHATITIRI ROAD	3	1	1	0	4	9	5	78	33	\$6,297,638
SH 2	SH 58	13	9	9	16	18	65	50	42	25	\$6,297,381
SH 23	OKETE ROAD	0	5	0	1	0	6	1	33	33	\$6,284,176
SH 73	200 E CURLETTS ROAD	2	1	3	3	0	9	2	11	22	\$6,281,630
SH 5	ARROWSMITH AVENUE	7	4	6	4	5	26	14	8	12	\$6,279,560
SH 2	WESTERN HUTT OFF NBD	2	1	5	1	4	13	6	31	38	\$6,234,537
SH 2	WILTONS ROAD	3	4	0	1	4	12	5	33	17	\$6,231,815
SH 1N	AOTEA ON NBD	4	6	10	15	9	44	30	27	45	\$6,207,366
SH 12	TOKATOKA ROAD	1	1	1	3	1	7	3	14	43	\$6,191,089
SH 1N	400 S REDOUBT OBR	5	5	4	6	10	30	24	40	37	\$6,183,606
SH 1B	MARSHMEADOW ROAD	6	7	6	6	5	30	17	20	27	\$6,164,681
SH 37	2300 W SH 3	3	1	0	1	0	5	1	60	60	\$6,121,577
SH 1N	WAYBY VALLEY ROAD	2	1	1	5	3	12	5	17	17	\$6,112,520
SH 1N	ISLAND BLOCK ROAD	0	3	0	2	3	8	3	50	50	\$6,103,869
SH 25	600 N TIKI QUARRY ROAD	0	2	0	2	0	4	1	25	50	\$6,101,977
SH 2	TE MATAI ROAD	2	1	1	1	5	10	6	20	30	\$6,092,335
SH 36	450 N TE MATAI ROAD	0	1	1	1	8	11	7	27	27	\$6,091,238

**Table 9.3: State Highway
Urban and Rural Black Spot List
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**Urban Site Radius = 30 metres
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Sites with 5 or more injury crashes or more than \$1500000 in social costs

CRASH ROAD	SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet	Dark	Crash Costs
									Crash %	Crash %	
SH 3	I CORBETT ROAD	2	6	1	4	2	15	8	7	40	\$6,085,428
SH 74 MAIN NORTH	I QUEEN ELIZABETH II DRIVI	6	19	9	10	7	51	33	6	39	\$6,054,623
SH 1S	A DAZZLE CORNER	2	3	3	3	1	12	3	25	17	\$6,025,551
SH 2	I SH 25	3	4	0	2	5	14	8	7	36	\$5,991,266
SH 2	I WELCOME BAY ROAD	3	0	2	2	2	9	6	0	0	\$5,977,388
SH 1N	I WELLINGTON ROAD	2	3	1	1	0	7	3	0	29	\$5,974,407
SH 2	I HOROKIWI ROAD	8	10	13	20	15	66	45	33	20	\$5,941,216
SH 2	200 E WESTERN HUTT ON NBD	2	2	1	1	2	8	3	38	38	\$5,925,326
SH 1N	500 N KOPUTAROA ROAD	2	2	0	0	0	4	1	25	75	\$5,924,414
SH 1N	I PENROSE OFF NBD	26	24	16	31	23	120	104	23	28	\$5,894,309
SH 60	I MCSHANE ROAD	2	0	5	3	2	12	6	33	25	\$5,878,878
SH 29	1500 S MCLAREN FALLS ROAD	0	1	0	0	4	5	2	60	20	\$5,846,694
SH 2	1000 E MOFFAT ROAD	0	4	1	0	2	7	5	14	43	\$5,837,160
SH 2	700 S DRUMPEEL ROAD	1	0	0	3	1	5	1	0	20	\$5,817,777
SH 3	250 N KETEMARAE ROAD	2	0	4	1	0	7	2	57	43	\$5,787,894
SH 5	3300 S WAIKITE VALLEY ROAD	0	0	0	0	3	3	0	67	67	\$5,768,280
SH 1N	I ONSLOW ST	3	0	3	2	6	14	9	36	36	\$5,750,825
SH 2	500 S SH 58	1	1	1	2	1	6	2	17	67	\$5,748,612
SH 1S	500 N WEST ROAD	2	0	1	0	0	3	0	67	67	\$5,726,140
SH 8	2800 S LYB BOW ROAD	1	1	1	0	2	5	0	20	40	\$5,724,180
SH 3	I RUGBY ROAD	3	4	0	2	0	9	4	56	67	\$5,704,160
SH 1N	300 S CHURTON PARK ON SBD	3	0	0	1	3	7	5	43	29	\$5,686,118
SH 3	400 S JOHNSTON ROAD	2	3	1	0	1	7	2	29	29	\$5,668,069
SH 3	400 W KAITOKE ROAD	0	1	1	2	1	5	2	0	60	\$5,666,292
SH 2	I NAPIER ROAD	6	2	1	1	2	12	4	17	42	\$5,641,440
SH 6	1540 N BROWN BR	0	2	2	1	2	7	1	29	14	\$5,638,356
SH 1N	I FOX ROAD	3	2	2	0	1	8	5	25	50	\$5,610,576
SH 1S	250 S MERTON CRK BR	0	0	1	2	0	3	0	33	67	\$5,601,680
SH 2	50 N KIWI VALLEY ROAD E	1	0	0	0	2	3	0	33	67	\$5,583,060
SH 1N	40 S ALFRISTON OBR	7	8	4	2	6	27	20	33	41	\$5,577,792
SH 1N	100 S SPIERS ROAD	0	1	2	2	1	6	0	33	50	\$5,573,260
SH 35	I RUTENE ROAD	1	2	1	1	0	5	2	20	80	\$5,552,664
SH 1S	A KATIKI OBR	0	2	0	0	1	3	0	67	33	\$5,550,720
SH 1N	500 N SAUNDERS ROAD	4	3	6	0	4	17	12	82	53	\$5,549,212
SH 1N	380 S MAROA ROAD	2	1	0	2	0	5	1	60	20	\$5,547,114
SH 1B	I TAYLOR ROAD	6	1	3	2	2	14	11	7	43	\$5,531,564
SH 27	620 N MAUNGAKAWA ROAD	2	0	4	0	0	6	3	67	33	\$5,530,467
SH 31	350 N OWAIKURA ROAD	1	2	1	0	1	5	1	40	20	\$5,510,057
SH 4	4600 S MATAHIWI TRACK	2	1	0	0	0	3	0	67	33	\$5,493,880
SH 3	I RADNOR ROAD	2	0	1	0	0	3	1	0	33	\$5,492,234
SH 3	100 S YE OLD MILL ROAD	1	5	1	0	0	7	3	71	71	\$5,471,688
SH 1N	I THE RAMP OFF SBD	6	3	2	3	4	18	13	22	44	\$5,461,223
SH 3	I FLYGERS LINE	6	1	4	1	2	14	10	14	29	\$5,455,609
SH 1S	I MCLEODS ROAD	2	2	0	2	0	6	1	33	67	\$5,454,994
SH 3	I TE KUMI STATION ROAD	1	1	2	0	1	5	2	20	0	\$5,454,510
SH 1N	500 N SHELLY BEACH OBR	26	11	13	10	14	74	56	27	20	\$5,432,413
SH 30	300 E ONEPU SPRING ROAD	2	0	0	1	1	4	2	0	50	\$5,422,170
SH 28	I SH 5	2	0	0	0	2	4	2	25	0	\$5,405,510
SH 30	800 E WAIMIHA ROAD	1	0	2	2	4	9	5	33	22	\$5,401,121
SH 1N	I WHAKAHORO ROAD	0	3	2	2	4	11	6	64	36	\$5,379,017

**Table 9.3: State Highway
Urban and Rural Black Spot List
(Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres
Rural Site Radius = 250 metres**
Sites with 5 or more injury crashes or more than \$1500000 in social costs

CRASH ROAD	SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-	Wet Crash %	Dark Crash %	Crash Costs
								Injury			
SH 75	I GEBBIES PASS ROAD	0	2	1	2	0	5	1	20	40	\$5,344,437
SH 7	50 S RIORDANS CRK BR	0	1	3	0	1	5	1	40	20	\$5,341,497
SH 50	I OMAHU ROAD	2	2	2	1	4	11	7	9	27	\$5,339,232
SH 3	I DUDLEY ROAD LOWER	3	1	3	1	2	10	3	20	30	\$5,337,509
SH 3	I SH 21	2	7	2	1	4	16	9	44	25	\$5,335,035
SH 1N	I WARATAH PLACE	1	1	0	1	0	3	1	33	33	\$5,329,554
SH 25	1760 N OPOUTERE ROAD	0	1	0	2	0	3	1	33	0	\$5,326,797
SH 2	500 N OLD WAITEKURI ROAD	3	1	2	1	1	8	3	63	13	\$5,309,886
SH 22	I BLACKBRIDGE ROAD	2	2	1	2	3	10	7	30	30	\$5,303,952
SH 2	1000 E RAHU ROAD E	0	2	1	1	2	6	2	50	17	\$5,291,932
SH 1N	I TOTARA ROAD	2	3	2	0	2	9	5	33	22	\$5,287,360
SH 1S	500 S WEEDONS ROSS ROAD	1	3	0	0	0	4	2	50	50	\$5,271,271
SH 32	5000 S SH 30	0	0	2	3	0	5	1	40	60	\$5,251,337
SH 50A MARAEKAKAHO	I YORK ROAD	4	5	5	2	6	22	13	27	41	\$5,247,122
SH 1N	1000 S KOROHE ROAD	0	1	3	2	0	6	3	100	17	\$5,238,529
SH 7	150 N MOUNT ALEXANDER ROAD	2	1	0	0	0	3	1	67	67	\$5,233,514
SILVERDALE OFF SBD	I SH 17	1	0	3	2	2	8	4	0	25	\$5,230,804
SH 2	I PILCHER ROAD	2	2	2	0	1	7	2	29	14	\$5,217,452
SH 16	500 S OLD RAILWAY ROAD	3	1	2	1	3	10	7	10	50	\$5,204,073
SH 5	I TAHARUA ROAD	0	2	2	0	1	5	2	40	60	\$5,203,732
SH 25A	5620 E SH 26	0	2	2	0	1	5	2	40	20	\$5,203,651
SH 1N	A MT WGTN OBR	21	24	20	16	21	102	86	25	21	\$5,190,912
SH 1N	90 N KELM ROAD	0	2	3	0	1	6	4	33	33	\$5,188,965
SH 23	I WALLACE ROAD	2	2	2	4	0	10	1	20	50	\$5,188,407
SH 2	A RIMUTAKA NO5 BR	0	3	1	1	4	9	6	33	33	\$5,186,038
SH 5	1800 N RANGITAIKI TVN	0	0	4	0	2	6	4	67	50	\$5,185,207
SH 1N	180 N FINLAYSON BROOK ROAD	1	1	0	1	0	3	1	67	67	\$5,178,817
SH 57	I ORRS ROAD	0	1	1	0	2	4	1	25	0	\$5,178,817
SH 1N	I SEART ON NBD	16	27	30	18	9	100	83	19	26	\$5,172,084
SH 1S	1500 S TENNYSON ST	0	1	0	1	2	4	2	25	25	\$5,166,574
SH 1S	800 S RISE ROAD	1	0	3	0	0	4	2	0	0	\$5,155,610
SH 22	I JESMOND ROAD	0	1	3	1	3	8	6	50	0	\$5,154,760
SH 8	30 N CRICKLEWOOD ROAD	0	1	2	1	0	4	2	25	75	\$5,154,732
SH 2	I PAH ROAD	3	1	4	1	2	11	7	18	55	\$5,148,030
SH 2	200 S WOODLANDS ROAD	1	2	1	0	1	5	1	20	40	\$5,142,557
SH 90	I WAIKAKA ROAD	1	2	0	1	0	4	1	0	25	\$5,128,654
SH 1N	I GLEESON ROAD	0	1	2	2	2	7	4	14	0	\$5,127,306
SH 3	I ONAERO RIVER ROAD	0	3	2	4	5	14	9	29	29	\$5,111,988
SH 1N	400 N HUTCHINSON ROAD	0	0	1	2	1	4	2	0	25	\$5,111,694
SH 25	1000 N ADAMS ROAD	1	2	0	1	0	4	0	25	25	\$5,105,800
SH 2	1000 E AWAITI ROAD	1	0	0	2	1	4	0	50	25	\$5,101,880
SH 10	600 N WAKELIN ROAD	0	4	0	1	2	7	5	57	43	\$5,100,200
SH 1N	I PENROSE ON NBD	20	17	17	28	19	101	85	22	35	\$5,098,472
SH 3	2210 N TAUMATAMIRE ROAD	1	1	1	0	0	3	0	0	0	\$5,091,100
SH 1N	I MOIRS HILL ROAD	1	2	2	0	2	7	4	57	0	\$5,091,046
SH 3	2000 E MAKIRIKIRI ROAD	0	1	1	3	1	6	3	50	50	\$5,090,549
SH 1N	220 S TOOVEY ROAD	0	1	2	2	1	6	4	0	33	\$5,081,246
SH 16	I TE ATATU ON EBD EAST	15	16	19	25	18	93	72	33	25	\$5,078,871
SH 1N	I FISHER ROAD	1	0	1	0	1	3	1	33	33	\$5,077,694
SH 1N	300 S LINK ROAD	0	0	2	1	0	3	1	33	0	\$5,074,937

**Table 9.3: State Highway
Urban and Rural Black Spot List
(Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres
Rural Site Radius = 250 metres**
Sites with 5 or more injury crashes or more than \$1500000 in social costs

CRASH ROAD	SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet	Dark	Crash Costs
									Crash %	Crash %	
SH 1N	1320 S TAWHAA ROAD	0	0	0	0	3	3	1	33	0	\$5,074,937
SH 27	I GIVEN ROAD	0	1	0	1	2	4	2	25	75	\$5,071,514
SH 1N	600 N WHAKAHORO ROAD	0	2	0	2	1	5	2	40	40	\$5,058,692
SH 1N	I SOUTH MANAKAU ROAD	1	0	6	2	1	10	6	40	60	\$5,057,821
SH 3	I TURANGI ROAD LOWER	3	0	0	2	3	8	5	13	38	\$5,053,038
SH 1N	I PEKA PEKA ROAD	0	0	4	1	3	8	6	13	38	\$5,042,141
SH 1N	2000 N PUHIPUHI ROAD	0	2	0	2	0	4	1	0	75	\$5,037,616
SH 2	850 E COALFIELDS ROAD	0	2	1	0	0	3	1	100	67	\$5,036,636
SH 12	540 S WHAKAHARA ROAD	0	0	2	2	0	4	1	25	75	\$5,033,777
SH 10	I SH 11	2	7	5	2	5	21	12	14	24	\$5,033,732
SH 1S	90 N MCKERCHAR ROAD	3	0	0	1	0	4	0	25	50	\$5,030,340
SH 6	1500 E SH 65	4	0	1	0	0	5	0	40	80	\$5,013,680
SH 4	150 S OTAPOURI ROAD	1	1	2	0	1	5	3	100	40	\$5,006,086
SH 30	110 E POKURU ROAD NORTH	1	1	0	1	1	4	2	100	0	\$5,000,872
SH 2	660 S ELLISON ST	0	1	0	2	0	3	0	33	33	\$4,995,060
SH 3	I MONMOUTH ROAD	1	2	1	4	3	11	6	36	9	\$4,995,020
SH 3	A TANGAHOE BR	0	4	2	1	0	7	2	43	14	\$4,994,992
SH 1N	I VIPOND ROAD	1	1	0	0	1	3	1	33	0	\$4,993,516
SH 2	840 S MILL ROAD	0	1	0	2	0	3	0	0	0	\$4,987,220
SH 29	600 N VALLEY VIEW ROAD	0	0	2	0	8	10	8	80	20	\$4,982,375
SH 20A	400 S KIRKBRIDE ROAD	2	6	2	3	0	13	7	31	23	\$4,982,150
SH 16	I UNION OFF EBD	17	14	26	18	15	90	69	26	21	\$4,975,799
SARGENT ROAD	I SH 2	3	1	0	1	1	6	2	17	33	\$4,973,330
SH 25A	1100 W KIRIKIRI STM BR NO2	2	1	2	4	0	9	5	78	0	\$4,969,043
SH 1S	80 N MCPHERSON ROAD	1	1	1	0	0	3	1	0	33	\$4,965,974
SH 30	2480 W WAIPAPA ROAD	1	0	0	1	1	3	1	0	33	\$4,962,237
SH 2	1860 N TE MAHANGA ROAD	1	1	0	0	1	3	1	67	67	\$4,954,397
SH 56	I ALVE ROAD	3	3	0	0	2	8	5	63	38	\$4,948,995
SH 29	2380 N HANGA ROAD	3	2	0	3	0	8	5	50	38	\$4,947,913
SH 3	I AIRPORT DRIVE	2	1	1	2	5	11	7	9	0	\$4,943,475
SH 25A	400 N SH 26	0	4	3	0	1	8	3	75	0	\$4,943,468
SH 1N	3430 S FALLS BR	2	5	3	2	2	14	10	86	36	\$4,932,880
SH 1N	1350 S MAIN ST	0	0	2	0	1	3	1	67	33	\$4,927,937
SH 2	I MELLING LINK	4	13	17	8	13	55	48	25	33	\$4,926,642
SH 3	I RALEIGH ST	6	3	4	7	2	22	14	27	27	\$4,906,857
SH 2	I MAHARAKEKE ROAD	1	0	2	1	0	4	2	0	0	\$4,901,974
SH 2	I GIBBONS ST	0	4	5	5	6	20	14	30	25	\$4,898,953
SH 6	250 E BRIGHT ST	2	0	2	1	1	6	3	67	33	\$4,893,467
SH 50	1300 S MEEANEE ROAD	4	6	4	1	3	18	15	33	17	\$4,892,593
SH 1N	450 N BEACH ROAD	0	1	2	1	1	5	3	0	40	\$4,892,390
SH 29	80 N REDWOOD LANE	0	2	1	0	2	5	1	20	20	\$4,888,737
SH 3	500 S CLIFTON ROAD	2	5	1	0	0	8	6	88	38	\$4,880,811
SH 1N	I MARKET OFF NBD	13	22	22	15	19	91	73	27	41	\$4,880,278
SH 2	I MOROA ROAD	0	2	2	0	0	4	2	0	50	\$4,874,452
SH 6	I GLEN ROAD	3	0	1	3	0	7	5	29	29	\$4,869,778
SH 26	I ROACHE ROAD	1	4	0	2	2	9	7	44	56	\$4,866,893
SH 2	400 S STANLEY ROAD	0	2	2	0	1	5	2	40	60	\$4,861,712
SH 2	400 W MOONSHINE HILL ROAD	3	0	0	2	1	6	4	0	67	\$4,851,824
SH 1N	I AIRLIE OFF NBD	4	2	1	0	0	7	6	14	43	\$4,843,469
SH 39	400 N BELL ROAD	1	1	1	3	1	7	4	29	29	\$4,839,186

**Table 9.3: State Highway
Urban and Rural Black Spot List
(Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres
Rural Site Radius = 250 metres**
Sites with 5 or more injury crashes or more than \$1500000 in social costs

CRASH ROAD	SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-	Wet Crash %	Dark Crash %	Crash Costs
								Injury			
SH 2	4100 E STANLEY ROAD	0	2	1	2	1	6	4	33	33	\$4,839,105
SH 2	200 N WELCOME BAY ROAD	1	2	2	1	2	8	7	25	13	\$4,829,713
SH 56	I WALKERS ROAD	3	3	0	0	0	6	4	17	0	\$4,825,018
SH 2	2000 N KIRIWHAKAPAPA ROAD	1	1	0	1	1	4	2	50	0	\$4,821,614
SH 22	I WHANGAPOURI ROAD	1	4	2	2	2	11	7	36	36	\$4,817,974
SH 1N	1000 N ISLAND BLOCK ROAD	5	0	1	0	0	6	3	50	50	\$4,813,721
SH 1N	I DUKE ST	0	1	0	2	4	7	3	0	14	\$4,808,810
SH 2	A MAUNGATAPU BR N	0	0	3	1	1	5	3	60	60	\$4,798,591
SH 2	5 S DOMAIN ROAD	3	3	4	4	1	15	14	47	47	\$4,791,686
SH 1N	I GREENLANE ON NBD	18	16	21	22	17	94	80	24	30	\$4,787,601
SH 30	I MAUNDER ROAD	2	1	0	1	1	5	3	0	20	\$4,782,727
SH 54	I WAITUNA TAPUAE ROAD	1	1	2	1	0	5	3	20	100	\$4,778,991
SH 2	160 W HAURAKI ROAD	2	1	1	0	2	6	3	33	17	\$4,769,007
SH 57	100 S HEATHERLEA EAST ROAD	0	7	1	1	0	9	6	33	78	\$4,765,374
SH 2	200 N WAINUI ROAD	0	1	2	1	0	4	2	0	25	\$4,763,712
SH 57	900 S BUCKLEY ROAD	1	2	0	0	0	3	0	0	0	\$4,761,820
SH 1N	350 N ONSLOW ST	2	2	0	2	3	9	3	44	78	\$4,761,188
SH 3	I MAHOETAHİ ROAD	1	1	0	3	1	6	2	50	17	\$4,759,792
SH 8	A LINDIS PASS SUMMIT	0	2	0	2	1	5	4	0	20	\$4,747,066
SH 2	I TURNER ROAD	0	1	1	2	1	5	4	40	40	\$4,744,126
SH 3	200 N HILLS ROAD	2	1	0	0	0	3	2	33	33	\$4,743,825
SH 5	8250 W MARAEROA ROAD	0	1	1	2	0	4	0	50	0	\$4,739,280
SH 34	I OTAKIRI ROAD	1	1	0	2	0	4	2	0	25	\$4,737,150
SH 2	I KAIRUA ROAD	1	2	4	1	1	9	5	22	33	\$4,735,803
SH 1N	1530 N ARMITAGE ROAD N	2	2	0	0	0	4	1	25	50	\$4,735,776
SH 8	A SLAUGHTERHOUSE CRK B	0	1	0	2	0	3	1	0	33	\$4,731,937
SH 5	1460 S WHAREPAPA ROAD	0	2	1	0	0	3	1	33	33	\$4,731,856
SH 3	I KAIPAKI ROAD	1	1	1	1	1	5	2	40	60	\$4,729,494
SH 1S RUSSLEY	I AVONHEAD ROAD	0	0	3	5	1	9	5	11	11	\$4,724,124
SH 1N	370 N WATERFALL ROAD	1	0	2	1	0	4	3	0	50	\$4,721,171
SH 1N	I GORTON ROAD	2	1	1	0	1	5	3	40	60	\$4,716,986
SH 1S	500 N STONY CREEK ROAD	1	1	1	1	0	4	3	50	50	\$4,711,187
SH 16	I ST LUKES OFF WBD	2	3	3	3	3	14	13	29	50	\$4,709,789
SH 22	I DRURY OFF SBD	5	0	4	5	1	15	12	13	20	\$4,709,071
SH 30	700 N TE RAHU ROAD	1	0	0	1	2	4	3	0	25	\$4,708,247
SH 6	300 N HOLLAND ST	0	2	0	0	1	3	1	67	67	\$4,705,396
SH 2	280 W LOOP ROAD W	0	2	0	1	0	3	1	33	67	\$4,702,537
SH 1N	2000 N ARARIMU OBR	2	0	1	4	1	8	4	38	63	\$4,700,904
SH 5	2000 N DANSEY ROAD	1	1	0	0	1	3	1	33	100	\$4,700,394
SH 1N	600 S SH 54	1	0	0	2	0	3	1	0	0	\$4,699,597
SH 30	170 S WAIPAPA ROAD	1	3	0	0	0	4	1	25	25	\$4,696,576
SH 73	150 W BARRINGTON ST	1	2	1	3	1	8	4	13	38	\$4,694,943
SH 3	700 N RANGITATAU EAST ROAD	2	1	0	1	0	4	3	75	50	\$4,690,526
SH 1N	I MILL ON NBD	1	1	3	1	3	9	6	44	78	\$4,688,280
SH 45	600 N PLYMOUTH ROAD	0	3	0	0	0	3	1	0	100	\$4,687,756
SH 29	I NGAMUWAHINE ROAD	0	1	2	0	1	4	3	50	50	\$4,678,051
SH 1B	500 N PEACH ROAD	1	1	0	0	2	4	2	0	50	\$4,677,554
SH 16	I LINCOLN OFF WBD	15	18	16	13	16	78	54	24	18	\$4,676,578
HUTT ON NBD	I CENTENNIAL SLIP ROAD	9	17	20	12	17	75	54	45	37	\$4,674,944
SH 2	320 S OHIWA BEACH ROAD	1	1	1	0	0	3	2	33	0	\$4,673,369

**Table 9.3: State Highway
Urban and Rural Black Spot List
(Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres
Rural Site Radius = 250 metres**
Sites with 5 or more injury crashes or more than \$1500000 in social costs

CRASH ROAD	SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet	Dark	Crash Costs
									Crash %	Crash %	
SH 1S	I GLADFIELD ROAD	2	0	1	0	3	6	2	0	33	\$4,672,470
SH 2	500 W OMEHEU ROAD	1	0	1	1	0	3	2	33	67	\$4,671,490
SH 27	A MANGAWHERO STM BR	3	2	0	0	0	5	4	80	40	\$4,670,178
SH 1N	1200 N KRAACK ROAD	3	1	2	1	0	7	3	43	43	\$4,668,864
SH 2	I MANOEKA ROAD	0	0	1	0	2	3	2	67	33	\$4,668,734
SH 6	800 E ROARING MEG	1	0	1	1	0	3	0	0	67	\$4,666,760
SH 12	300 N WHARF ROAD	0	2	1	1	0	4	1	25	75	\$4,662,147
SH 16	I KENNEDYS ROAD	2	3	1	0	2	8	5	50	63	\$4,660,078
SH 4	250 N KAIWHAIKI ROAD	2	0	1	0	0	3	2	0	33	\$4,651,890
SH 1N	I OTAIHANGA ROAD	7	6	4	4	4	25	13	32	32	\$4,650,865
SH 3	9200 S PAEKAKA ROAD	2	1	0	0	0	3	1	67	0	\$4,643,554
SH 2	100 S JACKSON ROAD	1	1	0	0	1	3	1	33	33	\$4,640,797
SH 26	960 S CADMAN ROAD	1	1	1	0	0	3	1	0	67	\$4,640,797
SH 31	I KAWHIA ROAD	1	1	1	0	0	3	1	67	33	\$4,640,797
SH 2	400 N KEREPEHI TOWN ROAD	1	0	1	0	1	3	1	33	0	\$4,638,837
SH 1N	I AKERAMA ROAD	1	0	2	3	4	10	4	90	10	\$4,637,387
SH 39	I WALSH ROAD	0	1	2	0	1	4	2	25	50	\$4,636,394
SH 2	200 N ONEHUNGA ROAD	0	1	1	0	1	3	1	0	0	\$4,633,657
SH 3	400 S PAEKAKA ROAD	1	1	3	0	0	5	4	60	20	\$4,624,464
SH 5	1300 E CAROLINE DRIVE	1	0	1	2	0	4	3	0	25	\$4,624,151
SH 1N	180 S TE HOUHOU ROAD	1	4	0	0	0	5	2	60	60	\$4,622,511
SH 1N	I CHURTON PARK OFF NBD	1	2	4	5	6	18	16	50	39	\$4,618,504
SH 74 TUNNEL	I SCRUTTONS ON EBD	2	4	1	0	0	7	3	0	57	\$4,616,746
SH 16	500 S RIMMER ROAD	1	2	2	1	1	7	4	86	43	\$4,616,645
SH 1S	I DARROCHS ROAD	6	3	3	0	0	12	3	75	33	\$4,614,964
SH 3	800 N PUKENUI ROAD	1	1	1	0	0	3	1	67	33	\$4,602,394
SH 2	I ELWOOD ROAD	1	1	0	3	2	7	6	29	43	\$4,599,530
SH 1S	A RAKAIA RIV BR N ABT	1	2	3	0	2	8	6	13	13	\$4,594,915
SH 5	4710 W GALAXY ROAD	2	1	0	0	0	3	2	33	0	\$4,592,029
SH 1N	460 N KAIPARA FLATS ROAD	1	2	1	1	0	5	1	40	20	\$4,591,716
SH 1N	1240 S CENTENNIAL PARK ROAD	1	0	1	1	2	5	1	60	60	\$4,587,877
SH 1N	500 S WAYSIDE ACCESS ROAD	1	0	0	2	0	3	2	33	0	\$4,587,394
SH 23	550 E OTONGA VALLEY ROAD	1	0	0	0	2	3	2	0	33	\$4,587,394
SH 25	2600 N WHANGAPOUA ROAD	1	0	1	0	1	3	2	33	0	\$4,587,394
SH 7	I HURUNUI BLUFF ROAD	1	0	1	0	3	5	1	20	20	\$4,582,977
SH 1N	1860 W PUKETIRAU ROAD	2	1	1	0	2	6	2	33	33	\$4,572,694
SH 2	1400 S ELLISON ST	1	2	3	1	1	8	4	13	38	\$4,568,523
SH 2	I POMARE ROAD	1	8	2	2	1	14	10	36	50	\$4,561,379
SH 2	I WAITANGI ROAD	3	0	3	1	0	7	3	14	29	\$4,551,350
SH 2	700 E CENTRAL ROAD	0	1	1	0	1	3	2	33	33	\$4,548,194
SH 1N	1300 N PAPAKURA OFF SBD	1	1	3	0	0	5	2	20	40	\$4,539,190
SH 1S	I PENDARVES RAKAIA ROAD	1	1	0	2	2	6	3	17	50	\$4,535,869
SH 3	70 W STATION ROAD	1	0	3	1	1	6	2	67	67	\$4,529,390
SH 16	I WATERVIEW OFF WBD	10	12	19	17	22	80	60	39	43	\$4,527,488
SH 3	400 N HANSENS LINE	0	1	1	2	3	7	4	43	71	\$4,514,806
SH 16	I PATIKI ON WBD	13	16	18	15	12	74	62	20	30	\$4,514,009
SH 1N	670 N BOSHER ROAD	2	2	0	0	0	4	1	50	25	\$4,513,316
SH 16	500 E MATUA ROAD W	0	2	1	0	1	4	1	50	75	\$4,501,637
SH 1B	I MARYCHURCH ROAD S	2	0	1	2	2	7	5	86	71	\$4,500,318
SH 1S	5000 N HENLEY-BERWICK ROAD	1	1	1	0	0	3	0	0	33	\$4,500,160

**Table 9.3: State Highway
Urban and Rural Black Spot List
(Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres
Rural Site Radius = 250 metres**
Sites with 5 or more injury crashes or more than \$1500000 in social costs

CRASH ROAD	SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet	Dark	Crash Costs
									Crash %	Crash %	
SH 25A	600 E KIRIKIRI STM BR NO1	0	0	5	1	1	7	5	57	43	\$4,494,804
SH 1S	300 N CHINNERYS ROAD	0	1	0	3	0	4	2	0	50	\$4,494,294
SH 26	I HUBBARD ROAD	1	1	2	0	0	4	0	25	25	\$4,494,280
SH 3	I PUKEPAPA ROAD	2	1	0	0	0	3	1	0	33	\$4,491,654
SH 22	90 E WOODLYN DRIVE	1	0	2	0	2	5	3	40	20	\$4,490,871
SH 18	300 N BUCKLEY AVENUE	0	0	1	1	2	4	1	50	25	\$4,490,857
SH 4	1600 N TAPUIWAHINE ROAD	1	2	0	0	0	3	1	33	0	\$4,490,776
SH 4	50 S OLD PARAPARA ROAD S	2	1	0	2	0	5	4	0	60	\$4,490,721
SH 1N	1000 S MAHURANGI WEST ROAD	1	2	1	0	1	5	3	20	0	\$4,490,525
SH 57	300 W MILLRICKS LINE	2	0	2	0	2	6	3	33	33	\$4,481,684
SH 10	600 S PUKEWHAI ROAD	1	2	2	1	2	8	3	13	50	\$4,480,009
SH 2	1450 W SH 25	0	2	1	2	0	5	2	40	40	\$4,476,572
SH 24	700 N TE POI ROAD N	0	1	3	0	1	5	2	60	60	\$4,474,694
SH 3	100 N RANGITATAU EAST ROAD	1	1	4	1	0	7	5	29	43	\$4,467,100
SH 1S	I STATION ROAD	2	0	0	2	0	4	1	25	25	\$4,466,357
SH 1N	400 S ONEWA ON SBD	29	10	17	15	11	82	66	7	28	\$4,465,879
SH 1N	300 N PURIRI ROAD	1	2	1	2	0	6	4	33	50	\$4,464,562
SH 2	320 N COLLINS LANE	2	0	1	0	0	3	0	33	67	\$4,460,960
SH 73	200 E HIGHFIELD ROAD	1	0	0	1	1	3	0	33	33	\$4,459,980
SH 3	400 N ALLEN ROAD	0	1	2	2	1	6	4	33	67	\$4,459,926
SH 1N	330 N BAWDEN OBR	1	1	1	1	0	4	2	25	25	\$4,455,992
SH 1S	I ROBINSONS ROAD	2	1	0	0	2	5	3	20	40	\$4,455,509
SH 1N	300 N FOWLER ACCESS ROAD	4	1	1	0	1	7	5	14	29	\$4,455,028
SH 30A	I SH 30	1	7	9	2	4	23	20	22	9	\$4,453,948
SH 1S	20 S CHISNALLS ROAD	2	1	0	0	1	4	3	25	50	\$4,450,324
SH 1S	200 N SHARLANDS ROAD	0	2	1	0	1	4	2	0	25	\$4,446,192
SH 1N	60 N TE HANA RAIL OBR	0	3	0	2	0	5	4	40	20	\$4,441,225
SH 2	500 N DRUMPEEL ROAD	4	1	2	0	0	7	5	29	57	\$4,437,415
SH 50A	I IRONGATE ROAD	1	0	2	1	1	5	2	0	40	\$4,433,534
SH 1N	100 S VISTA ROAD	0	3	0	0	0	3	2	100	0	\$4,432,391
SH 49	150 E STOUTS ROAD	1	1	0	1	0	3	2	33	33	\$4,431,390
SH 1N	500 E ORUAWHARO ROAD	4	1	0	0	2	7	3	14	29	\$4,430,826
SH 1S	500 N CROSSES ROAD	0	1	1	1	2	5	4	40	60	\$4,430,526
SH 1N	I TRISTRAM ON SBD	13	16	13	9	18	69	55	30	25	\$4,429,273
SH 56	20 N WILSONS ROAD	0	1	0	1	1	3	2	0	33	\$4,428,634
SH 1N	I MARKET OFF SBD	26	17	17	14	21	95	78	20	36	\$4,421,561
SH 2	400 W STRANG ROAD	2	0	1	1	1	5	4	20	20	\$4,415,724
SH 1S	I COLDSTREAM ROAD	1	0	1	2	0	4	2	25	50	\$4,410,994
SH 1N	800 S SILVER HILL ROAD	0	0	2	0	1	3	1	67	67	\$4,410,497
SH 1S	500 N CHANEYS ON RAMP	1	0	0	0	2	3	1	0	100	\$4,407,374
SH 7	500 N FROG ROCK	0	1	1	1	0	3	1	67	67	\$4,406,496
SH 1S	A WAITAKI RIV BR REST ARE	0	0	1	2	0	3	1	0	0	\$4,404,617
ZIG ZAG ROAD	I SH 77	0	0	2	1	0	3	1	0	67	\$4,404,617
SH 1N	1700 N PALMER MILL ROAD	1	0	0	1	1	3	0	33	33	\$4,404,120
SH 1N	200 N VALERIE CLOSE N	1	1	0	1	1	4	3	50	50	\$4,403,386
SH 16	100 N STONEY CREEK ROAD	0	1	2	1	0	4	3	75	75	\$4,400,629
SH 56	500 S WILSONS ROAD	1	1	2	0	1	5	3	40	20	\$4,400,629
SH 2	I BOND ROAD	0	0	3	0	0	3	2	67	33	\$4,399,234
SH 35	200 N PARKINSON ST	0	0	2	0	1	3	2	33	67	\$4,399,234
SH 35	3610 N WAIHOU ROAD	0	0	1	1	1	3	2	33	33	\$4,399,234

**Table 9.3: State Highway
Urban and Rural Black Spot List
(Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres
Rural Site Radius = 250 metres**
Sites with 5 or more injury crashes or more than \$1500000 in social costs

CRASH ROAD	SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet	Dark	Crash Costs
									Crash %	Crash %	
SH 1N	I BOSHER ROAD	0	0	0	1	3	4	3	0	50	\$4,398,751
SH 75	1130 S HILLTOP HOTEL	1	0	1	1	1	4	3	0	75	\$4,394,647
SH 1S	100 S OHOKA OBR	0	1	1	0	2	4	3	0	25	\$4,393,769
SH 1S	500 N SOMERTON ROAD	0	1	1	2	0	4	3	50	50	\$4,393,769
SH 1N	1000 S TE RERE ROAD	0	0	2	1	1	4	2	50	50	\$4,384,534
SH 1S ASHWORTHS	650 S GRAYS ROAD	3	0	0	0	0	3	1	33	67	\$4,382,874
SH 3	I JAMES LINE	2	1	1	0	2	6	5	33	33	\$4,382,636
SH 1N	2000 S DEACONS ROAD	1	0	3	1	1	6	5	33	33	\$4,378,001
SH 2	1000 N BOUNDARY ROAD	0	1	2	2	1	6	4	50	67	\$4,376,626
SH 1N	500 S EAST MINE ROAD	1	2	1	0	1	5	4	0	80	\$4,376,362
SH 1S	950 S KINGS ROAD	1	0	0	0	2	3	1	0	0	\$4,374,237
SH 16	20 S KANOHI ROAD	0	2	1	0	0	3	2	0	67	\$4,365,832
SH 2	150 E IRISH ROAD	0	2	0	1	0	3	2	0	33	\$4,365,751
SH 2	570 E PINNACLE HILL ROAD	1	0	2	0	0	3	2	0	0	\$4,364,750
SH 1N	1220 N CROWTHER ROAD	0	1	1	1	0	3	2	100	0	\$4,363,954
SH 1N	I L PHILLIPS ROAD	0	1	0	1	1	3	2	33	33	\$4,363,872
SH 1N	3000 S WAYBY VALLEY ROAD	0	0	2	0	1	3	2	100	100	\$4,361,994
SH 17	I FOLEY QUARRY ROAD	1	0	0	2	0	3	0	0	33	\$4,361,000
SH 1S	700 N FAIRFIELD ROAD WEST	1	1	0	1	0	3	2	0	33	\$4,359,769
SH 73	A JOINERS CUTTING	0	2	0	1	0	3	2	67	0	\$4,358,891
SH 57	1000 N POTTS ROAD	1	1	1	0	1	4	2	50	75	\$4,356,829
SH 1S	620 N BLUE DUCK ROAD	0	0	1	1	1	3	2	0	33	\$4,355,134
SH 1N	750 S HORAHORA ROAD	1	1	0	1	0	3	1	33	33	\$4,354,556
SH 1N	1000 N WEST ROAD	1	1	0	1	0	3	1	0	67	\$4,354,556
SH 57	600 S SH 56	0	1	2	1	0	4	2	50	25	\$4,354,072
SH 1N	200 S SETTLEMENT ROAD	2	1	1	0	0	4	0	25	75	\$4,353,160
SH 50	350 N HAKIWAI ROAD	2	1	1	0	0	4	2	0	25	\$4,352,990
SH 3	1600 N MANGAORONGO ROAD	1	0	2	0	0	3	1	0	33	\$4,352,677
SH 1N	2600 S FERGUSSON GULLY ROAD	1	0	0	1	1	3	1	33	0	\$4,350,534
SH 1N	I KINLOCH ROAD	1	0	1	1	0	3	1	33	0	\$4,350,534
SH 29	2200 S TOTMAN ROAD	1	0	0	1	1	3	1	67	0	\$4,350,534
SH 31	470 S TIHIROA ROAD	1	0	0	1	1	3	1	100	67	\$4,350,534
SH 39	200 E WINDLEBORN ROAD	1	0	1	0	1	3	1	67	100	\$4,350,534
SH 5	1150 E PALMER MILL ROAD	0	1	1	0	1	3	1	33	33	\$4,349,656
SH 1N	I PARKDALE ST EAST	0	0	1	1	1	3	1	67	0	\$4,347,777
SH 2	300 S FORD ROAD	0	0	1	2	0	3	1	67	67	\$4,347,777
SH 2	2000 E MONUMENT ROAD	0	0	2	0	1	3	1	0	33	\$4,347,777
SH 39	1190 S FINLAYSON ROAD	0	0	1	1	1	3	1	67	33	\$4,347,777
SH 5	460 S PIRIPIRI ROAD	0	0	1	2	0	3	1	67	67	\$4,347,777
SH 2	400 N CORBY ROAD	1	1	0	3	0	5	4	60	20	\$4,343,123
SH 1N	310 N HEMI ST	2	3	1	4	1	11	9	36	9	\$4,341,606
SH 2	I TAINUI ROAD	1	1	0	0	1	3	2	0	33	\$4,341,332
SH 58	2000 N SH 2	1	1	3	1	3	9	6	56	22	\$4,337,440
SH 1N	4190 W REREAHU AVENUE	0	2	0	1	1	4	3	25	25	\$4,336,848
SH 5	600 E KIDDLE DRIVE	0	1	2	0	1	4	3	0	75	\$4,334,969
SH 5	8000 N GLENGARRY ROAD	1	1	1	0	0	3	0	67	0	\$4,333,560
SH 2	I TAPAIRU ROAD	1	1	2	1	0	5	4	20	40	\$4,332,526
SH 50	1500 N MEEANEE ROAD	2	0	2	2	0	6	5	17	50	\$4,328,818
SH 1S	500 N CROWES ROAD	1	0	1	1	0	3	2	67	67	\$4,324,754
SH 3	I PENNY ROAD	0	2	0	0	1	3	1	33	0	\$4,323,196

**Table 9.3: State Highway
Urban and Rural Black Spot List
(Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres
Rural Site Radius = 250 metres**
Sites with 5 or more injury crashes or more than \$1500000 in social costs

CRASH ROAD	SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-	Wet Crash %	Dark Crash %	Crash Costs
								Injury			
SH 1N	1400 N ACCESS ROAD NO 17	0	1	1	1	0	3	1	33	67	\$4,321,317
SH 2	1700 E PINNACLE HILL ROAD	2	0	0	0	1	3	1	33	33	\$4,319,357
SH 4	1700 N FIELDS TRACK	1	0	1	0	1	3	1	67	0	\$4,318,194
SH 1S	I MORNINGTON ROAD	1	4	2	3	0	10	5	30	30	\$4,317,414
SH 4	250 S TUNANUI ROAD	0	1	2	0	0	3	1	0	0	\$4,317,316
SH 57	I SLIP ROAD	0	1	1	0	1	3	1	33	33	\$4,317,316
SH 5	90 W YULE ROAD	3	0	0	0	0	3	1	67	67	\$4,316,234
SH 1N	I SCHOOL ROAD	1	1	2	1	2	7	3	14	29	\$4,315,451
SH 4	A PIRIAKA OBR	0	0	2	1	0	3	1	33	0	\$4,315,437
SH 5	1600 E WAITARA ROAD	2	0	0	0	1	3	1	33	33	\$4,313,477
SH 2	I SYDNEY ST	1	1	0	0	1	3	1	33	67	\$4,310,456
SH 17	I RED BEACH ROAD	8	3	5	1	2	19	15	0	37	\$4,304,727
SH 57	900 W SCOTTS ROAD	0	0	1	2	1	4	3	0	25	\$4,301,731
SH 2	1000 E IWITEA ROAD	0	0	1	0	3	4	2	0	25	\$4,301,234
SH 31	10 N MANGAMAHOE ROAD	1	1	1	0	0	3	2	67	33	\$4,300,969
SH 27	250 S OHINEWAI ROAD	0	2	1	0	0	3	2	67	0	\$4,300,091
ORCHARD EAST ROAD	I SH 2	1	0	1	0	1	3	2	33	0	\$4,299,090
SH 1N	I JONES ROAD	1	0	1	0	1	3	2	100	33	\$4,299,090
SH 25	1500 S TE KOUMA ROAD	1	0	0	0	2	3	2	33	0	\$4,299,090
SH 27	770 N MANGAWHERO ROAD	1	0	0	2	0	3	2	0	0	\$4,299,090
SH 39	1180 N BLACKETT ROAD	1	0	1	1	0	3	2	33	0	\$4,299,090
SH 5	3430 E MATEA ROAD	1	0	2	0	0	3	2	67	33	\$4,299,090
SH 39	200 N HIGGINSON ROAD	0	0	1	1	1	3	2	0	67	\$4,296,334
SH 50A	2000 S LINKS ROAD	1	0	1	1	1	4	3	50	75	\$4,293,891
SH 10	I PAIRATAHI ROAD	1	0	0	2	2	5	2	40	40	\$4,290,454
SH 5	900 N HILL ROAD	1	0	2	2	0	5	4	60	100	\$4,289,304
SH 1N	I POIHIPI ROAD	4	5	10	9	6	34	17	29	18	\$4,286,414
SH 10	600 S SH 11	1	0	0	4	2	7	2	43	71	\$4,283,594
SH 2	560 S WAIKAREAO ROAD	1	1	1	0	0	3	1	0	33	\$4,282,117
SH 29	5 S GIRVEN ROAD	3	4	4	2	4	17	15	0	24	\$4,272,390
SH 2	2580 W THE CRESCENT	1	1	1	0	0	3	1	33	33	\$4,271,256
SH 50	600 S KENNEDY OFF NBD	1	1	1	0	0	3	1	0	33	\$4,271,256
SH 2B	920 N PREBENSEN DRIVE	1	0	0	0	2	3	1	0	0	\$4,267,234
SH 1N	I SPOONERS HILL ROAD	0	1	1	0	1	3	2	0	67	\$4,266,852
SH 2	40 W MARTIN ROAD	0	1	0	0	2	3	2	0	67	\$4,266,852
SH 22	330 W BYCROFT ROAD	1	1	0	0	1	3	2	33	100	\$4,265,872
SH 47	I SH 48	0	0	0	1	2	3	2	0	33	\$4,264,974
SH 2	450 S POUKAWA ROAD	0	0	0	1	2	3	1	33	0	\$4,264,477
SH 2	2000 S MARINE PARADE	0	0	3	0	1	4	3	0	25	\$4,249,791
SH 2	I TE PAIRU ROAD	0	0	1	2	1	4	3	50	50	\$4,249,791
SH 16	A ST LUKES ROAD	12	13	4	16	15	60	43	37	35	\$4,242,886
SH 1S	460 N STACES ROAD	0	1	2	1	0	4	1	0	50	\$4,241,937
SH 1N	I SNAKE HILL ROAD	1	2	1	3	0	7	3	57	43	\$4,233,049
SH 2	1000 S MELLING LINK	0	1	5	2	1	9	8	44	67	\$4,231,614
SH 2	490 W KIWI VALLEY ROAD	0	0	0	2	1	3	2	0	67	\$4,213,034
SH 6	1060 S MOUNT RILEY ROAD	1	1	0	0	2	4	2	50	25	\$4,193,250
SH 1N	550 W GREY ST	3	1	2	2	1	9	7	56	22	\$4,190,072
SH 1N	500 N FANSHAWE OBR	28	18	15	7	12	80	69	18	21	\$4,188,969
SH 1N	500 S TE MOANA ROAD	0	2	2	1	2	7	4	0	43	\$4,174,967
SH 1N	1200 N TARAKIHI ROAD	2	0	0	0	1	3	1	33	0	\$4,166,477

**Table 9.3: State Highway
Urban and Rural Black Spot List
(Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres
Rural Site Radius = 250 metres**
Sites with 5 or more injury crashes or more than \$1500000 in social costs

CRASH ROAD	SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet	Dark	Crash Costs
									Crash %	Crash %	
SH 1N	I STAFFORD OFF NBD	23	21	23	14	14	95	83	20	24	\$4,153,397
SH 2	150 S RIMUTAKA SUMMIT	3	4	4	3	2	16	9	56	31	\$4,151,303
SH 1S	370 S ELTERWATER NO 2 BR	1	1	0	0	1	3	1	0	67	\$4,148,654
SH 60	I MOANA ROAD	0	1	1	1	0	3	1	0	0	\$4,145,897
SH 14	600 E KOKOPU BLOCK ROAD	1	1	1	2	1	6	3	33	17	\$4,140,031
SH 6	500 W CABLE BAY ROAD	1	2	0	1	0	4	3	25	0	\$4,135,846
SH 1N	I SALMON ROAD	0	0	2	1	3	6	3	0	33	\$4,134,151
SH 1S	230 E MILL ROAD NORTH N	3	0	2	0	0	5	2	60	60	\$4,129,550
SH 1N VIVIAN	I WILLIS ST	13	7	7	2	5	34	25	12	47	\$4,128,825
SH 1N	1000 N ARTILLERY ROAD	2	1	1	2	1	7	5	71	14	\$4,123,998
SH 1N CALABAR	I WEXFORD ROAD	4	3	2	3	4	16	11	25	31	\$4,120,540
SH 14	I PUKEATUA ROAD	0	2	0	2	0	4	0	50	100	\$4,118,940
SH 1N	1100 S MAUNGAKARAMEA ROAD	0	0	1	3	3	7	5	43	14	\$4,116,524
SH 1N	200 S BEACH ROAD	2	1	2	0	1	6	5	17	50	\$4,109,916
SH 12	500 E WAIMATENUI ROAD	0	2	1	0	2	5	2	0	60	\$4,104,254
SH 6	450 S TUI GLEN ROAD	0	1	1	0	1	3	2	0	67	\$4,104,172
SH 2	950 N NORTH ST	2	0	2	0	0	4	2	0	25	\$4,103,090
SH 60	I HARLEY ROAD	1	0	1	0	1	3	2	33	33	\$4,100,334
SH 45	I KETEMARAE ROAD	3	2	1	1	0	7	4	14	43	\$4,086,282
SH 1N	300 S SALEYARDS ROAD S	1	1	2	2	0	6	4	50	50	\$4,084,403
SH 1N	250 N AOTEA ON NBD	8	6	9	1	4	28	16	21	29	\$4,073,973
SH 1N	5000 S TARAKIHI ROAD	0	1	1	1	1	4	1	25	0	\$4,062,597
SH 10	100 N WAIARE ROAD	3	1	0	1	0	5	3	40	60	\$4,054,323
SH 2	620 S AHIKOUKA ROAD	1	1	1	0	0	3	1	0	33	\$4,041,037
SH 58	400 E MOONSHINE ROAD	1	1	0	0	1	3	1	33	67	\$4,040,854
SH 1N	I KARETOTO ROAD N	10	5	2	9	8	34	21	21	15	\$4,028,070
SH 26	I SH 27	0	1	3	0	4	8	6	25	25	\$4,016,839
SH 3 DEVON	I MANGATI ROAD	5	3	6	4	3	21	10	29	24	\$4,016,075
SH 1N	1400 N TAWA ON NBD	1	1	1	0	0	3	2	100	0	\$4,013,829
SH 1N	500 S GEORGE ST	1	1	2	0	0	4	2	25	75	\$4,012,052
SH 10	600 N SH 11	0	1	0	0	3	4	2	0	25	\$4,008,132
SH 1N	980 W WAIKARAMU ROAD	0	0	0	2	2	4	2	0	25	\$4,006,254
SH 1N	500 S RICHARDS ROAD	3	2	0	0	0	5	4	20	20	\$4,003,676
SH 1S	I MOTU RIMU ROAD	3	1	2	0	2	8	7	50	38	\$3,999,368
SH 1N	100 N TYERS ROAD	6	11	11	13	4	45	31	58	20	\$3,990,293
SH 1S	20 W BALLAST ROAD	0	1	1	1	0	3	1	67	33	\$3,986,157
SH 1N	50 N FLETCHER ST	1	1	1	0	0	3	1	33	33	\$3,984,967
SH 1S	I GREEN POINT ROAD	1	0	0	0	2	3	1	33	33	\$3,984,014
SH 1S	350 N BAY VIEW ROAD	0	1	1	0	1	3	1	67	0	\$3,983,136
SH 25	100 N KURANUI EUREKA ROAD	2	0	1	0	0	3	1	33	33	\$3,981,957
SH 6	120 S NAYLOR ROAD	0	0	0	2	1	3	1	0	33	\$3,981,257
SH 1N	2000 N RUAPEKAPEKA ROAD	1	1	1	0	0	3	1	0	67	\$3,974,214
SH 1N	1060 S FAIRBURN ROAD	1	0	1	0	1	3	1	0	0	\$3,973,417
SH 1N	1000 E OLD BAY ROAD	0	2	1	0	0	3	1	33	33	\$3,973,336
SH 14	1500 W OTUHI ROAD	1	0	2	0	0	3	1	33	0	\$3,972,254
SH 1N	1550 W PUHIPUHI ROAD	1	0	1	1	0	3	1	33	0	\$3,972,254
SH 14	1000 W PAERATA ROAD	0	1	0	1	1	3	1	67	67	\$3,971,457
SH 1S	I BAY VIEW ROAD	0	1	1	1	1	4	1	0	50	\$3,964,597
SH 94	A DONNE RIV BR	0	1	1	2	0	4	3	50	0	\$3,959,629
SH 14	2000 N AWAKINO POINT NORTH R	1	1	1	1	0	4	3	25	25	\$3,959,527

**Table 9.3: State Highway
Urban and Rural Black Spot List
(Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres
Rural Site Radius = 250 metres**
Sites with 5 or more injury crashes or more than \$1500000 in social costs

CRASH ROAD	SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-	Wet Crash %	Dark Crash %	Crash Costs
								Injury			
SH 7	1500 N SMITH ST	0	0	0	1	3	4	2	50	50	\$3,957,254
SH 1N	100 N HEWLETT ROAD	0	1	3	0	0	4	3	50	25	\$3,956,771
SH 1N	200 S NORTHCOTE OBR	18	21	14	12	17	82	64	37	22	\$3,952,190
SH 1N	I WAIKARAMU ROAD	0	0	2	1	1	4	3	50	50	\$3,951,871
SH 56	400 W MAXWELLS LINE	1	0	0	1	1	3	0	33	100	\$3,943,960
SH 3	460 W WHAREROA ROAD	0	1	1	3	0	5	3	0	80	\$3,941,989
SH 1N	I SYMONDS ON SBD	17	9	23	12	14	75	64	27	31	\$3,925,061
SH 1S	I BRYDONE-GLENCOE ROAD	0	2	0	1	0	3	2	0	67	\$3,924,751
SH 96	650 E RYAN ROAD	0	2	1	0	0	3	2	0	67	\$3,924,751
SH 94	360 W CHEWINGS ROAD	1	0	2	0	0	3	2	0	67	\$3,923,750
SH 1S	950 E HANKEY ROAD	0	1	0	0	2	3	2	67	33	\$3,922,872
SH 3	200 N DALZIELL ROAD	0	1	1	1	0	3	0	0	33	\$3,921,960
SH 1S	100 N FAULKNER ROAD	0	0	1	1	1	3	2	0	0	\$3,920,994
SH 6	630 E BRIGHT ST	0	0	1	1	1	3	1	33	0	\$3,920,497
SH 1N	500 N MOUNTFIELD ROAD	0	1	1	1	0	3	2	67	33	\$3,916,992
SH 1N	2200 S HOUHORA HEADS ROAD	0	1	0	2	0	3	2	0	0	\$3,916,992
SH 10	I MATAURI LINK ROAD	0	0	1	1	1	3	2	33	67	\$3,915,114
SH 1N	350 N HEWLETT ROAD	0	0	2	1	0	3	2	0	33	\$3,915,114
SH 2	I BELVEDERE ST	2	0	2	4	3	11	8	0	27	\$3,910,246
SH 45	400 W KEARIN ROAD	1	0	0	1	2	4	2	50	50	\$3,910,214
SH 3	700 E EGMONT ROAD S	2	0	0	0	2	4	2	25	50	\$3,908,867
SH 12	I FRANKLIN ROAD	0	1	1	1	0	3	2	67	33	\$3,903,073
SH 57	I MOONSHINE VALLEY ROAD	2	2	0	1	0	5	4	60	60	\$3,875,095
SH 2	I WHAKATIKI ST	3	4	4	5	7	23	13	22	22	\$3,869,069
SH 1N	I MT WGTN ON NBD	18	22	15	17	19	91	82	29	21	\$3,867,703
SH 1N	I UPPER HWY ON SBD	11	10	13	16	17	67	51	30	24	\$3,866,966
SH 3	I ROTOKARE ROAD	0	0	2	0	1	3	1	33	67	\$3,866,597
SH 1N	25 N WAITAHANUI BR	0	0	2	2	0	4	3	25	50	\$3,840,290
SH 3	I SMITHFIELD ROAD	3	1	0	0	1	5	3	20	20	\$3,832,712
SH 1N	I NORTHCOTE ON NBD	11	15	19	4	15	64	47	33	27	\$3,816,613
SYMONDS ST	I GRAFTON BRIDGE	7	8	0	0	1	16	12	13	31	\$3,810,634
SH 73	50 E GASSON ST	1	0	2	0	0	3	1	0	0	\$3,803,964
SH 1N	I ONEWA OFF SBD	15	28	12	6	18	79	63	24	25	\$3,794,271
SH 6	600 S MILLAR ST	1	3	0	0	0	4	2	75	75	\$3,793,329
SH 1N	I HIGHSBROOK ON SBD	12	8	10	11	10	51	36	31	31	\$3,789,633
SH 20	I GREAT SOUTH ROAD	22	19	26	15	24	106	95	18	37	\$3,780,981
SH 96	600 W SPRINGHILLS-TUSSOCK CI	2	0	0	0	2	4	2	50	0	\$3,774,974
SH 16	960 S PRICTOR ROAD	1	0	0	0	2	3	2	33	33	\$3,766,566
SH 20	I ONEHUNGA OFF SBD	19	8	6	8	11	52	39	25	15	\$3,764,743
SH 74 DYERS	I LINWOOD AVENUE	2	5	5	3	6	21	8	14	33	\$3,748,484
SH 16	I LINCOLN OFF EBD	16	15	13	9	18	71	59	28	30	\$3,748,442
SH 1N	I SPRINGFIELD ROAD	3	0	3	3	4	13	7	31	23	\$3,746,712
SH 2	I MAORIBANK GROVE	0	1	1	2	1	5	3	60	20	\$3,725,700
SH 1S	I LINDISFARNE ST	3	3	3	2	5	16	9	31	25	\$3,719,602
SH 16	I 1 LINK 16	15	13	12	9	13	62	46	35	47	\$3,680,863
SH 2	1700 N RIMUTAKA SUM	6	3	4	3	7	23	15	65	26	\$3,601,999
SH 1N	50 S GOA ST	1	0	1	0	1	3	2	0	33	\$3,599,973
SH 1N	A TAWA OFF NBD	5	5	6	4	3	23	16	35	35	\$3,568,395

**Table 9.3: State Highway
Urban and Rural Black Spot List
(Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres
Rural Site Radius = 250 metres**
Sites with 5 or more injury crashes or more than \$1500000 in social costs

CRASH ROAD	SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet	Dark	Crash Costs
									Crash %	Crash %	
SH 30A	200 S PUKUATUA ST	1	1	2	1	1	6	4	17	83	\$3,557,776
SH 20	I ONEHUNGA OFF NBD	16	7	5	6	12	46	32	33	41	\$3,540,287
TRISTRAM ON SBD E	I TRISTRAM AVENUE	11	11	14	12	12	60	43	38	42	\$3,532,698
SH 1N	I TITIRAUPENGA ST	2	0	1	1	1	5	3	20	20	\$3,525,704
OLD NORTH ROAD	I SH 17	1	3	1	2	1	8	5	38	25	\$3,500,408
SH 20	100 E QUEENSTOWN OBR	15	13	6	11	3	48	38	29	21	\$3,484,190
SH 33	I SH 30	2	1	2	1	1	7	2	14	29	\$3,479,014
SH 1N	I KAIMANAWA ST	0	1	1	3	1	6	4	17	33	\$3,459,680
SH 1N	I 1 LINK 16	13	15	9	12	2	51	43	22	29	\$3,447,925
SH 36	500 S TE MATAI ROAD	0	2	1	2	2	7	2	57	29	\$3,423,154
SH 2	I WATCHMAN ROAD	5	6	2	6	6	25	14	4	8	\$3,417,873
SH 29	300 N OMANAWA ROAD	3	1	1	1	1	7	4	29	43	\$3,403,120
SH 33	5900 N MANIATUTU ROAD	2	2	2	2	0	8	5	75	50	\$3,398,900
SH 73A	50 W CURLETTS ROAD	0	2	2	0	2	6	5	33	17	\$3,393,712
SH 1N	I OTARA OFF NBD	15	16	11	7	11	60	48	28	28	\$3,385,376
SH 1N	80 E HALL ST	0	2	0	0	1	3	1	33	33	\$3,379,130
SH 16	I ROSEBANK ON EBD	7	10	10	8	10	45	34	40	47	\$3,373,786
SH 1S RISSLEY	I MEMORIAL AVENUE	1	5	7	4	7	24	15	17	17	\$3,345,244
SH 1N	50 S SH 16	0	1	1	1	0	3	1	0	0	\$3,330,970
BUTE ST	I SH 1N VIVIAN	2	2	1	0	1	6	3	0	17	\$3,310,766
SOUTH-EASTERN HIGHWA'I	SEART ON NBD	18	8	3	9	8	46	37	24	20	\$3,297,626
SH 12	I GLADSTONE ST	1	4	3	0	0	8	5	0	25	\$3,296,650
SH 1N	I UNION ST	0	0	0	1	2	3	2	0	67	\$3,295,040
SH 16	300 E ST LUKES OBR	9	15	12	7	6	49	42	31	29	\$3,291,957
SH 1N	500 S MANUKAU OFF NBD	7	7	9	7	8	38	24	42	24	\$3,258,403
SH 2	I FREDERICK ST	1	0	0	1	2	4	2	0	0	\$3,256,340
SH 44	50 E LAWRY ST	1	0	2	1	0	4	2	25	0	\$3,256,340
SH 1N	A PANAMA OBR	17	16	15	11	4	63	46	33	17	\$3,245,840
SH 1N	I TAREWA ROAD	4	1	2	1	3	11	10	36	45	\$3,241,558
SH 1S	I ECCLES ST	2	0	1	2	0	5	3	20	60	\$3,228,998
SH 1N	I OTAHUHU ON NBD	15	20	17	12	7	71	60	28	27	\$3,204,728
SH 1N	I MT WGTN OFF SBD	13	15	10	14	14	66	52	24	30	\$3,181,303
SH 2	800 W RIMUTAKA SUMMIT	9	6	8	8	1	32	25	56	16	\$3,168,475
SH 1N	300 W TAURIMA ST	0	1	1	1	0	3	2	0	33	\$3,156,580
SH 1N	150 S ROSS ROAD	4	1	0	3	2	10	6	40	50	\$3,125,793
SH 2	500 S HOROKIWI ROAD	5	9	6	13	8	41	26	37	34	\$3,107,619
SH 1S	200 N GRETA RIV CV	3	3	4	0	2	12	4	75	17	\$3,105,383
SH 73	I SH 75	3	4	4	2	1	14	8	36	29	\$3,077,711
SH 1N	I EVANS BAY PARADE	7	8	11	8	12	46	38	11	24	\$3,075,308
SH 20	I QUEENSTOWN OFF NBD	11	11	11	7	11	51	39	27	29	\$3,074,779
SH 73 BROUHAM	I COLOMBO ST	7	10	7	10	9	43	31	33	51	\$3,073,123
SH 2	I AWATOTO ROAD	1	0	3	2	1	7	3	14	0	\$3,063,011
SH 1N	A OTAHUHU OFF NBD	18	10	16	11	5	60	44	27	35	\$3,059,824
SH 1N	I PORTLAND ROAD	1	4	7	4	3	19	12	37	21	\$3,036,940
SH 1S	I KENNINGTON ROAD	4	3	6	2	2	17	7	59	41	\$3,006,649
SH 74 ANZAC	I WAINONI ROAD	3	1	8	5	4	21	10	5	14	\$2,987,310
SH 2	I SH 33	1	0	7	1	10	19	14	21	11	\$2,956,573

**Table 9.3: State Highway
Urban and Rural Black Spot List
(Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres
Rural Site Radius = 250 metres**
Sites with 5 or more injury crashes or more than \$1500000 in social costs

CRASH ROAD	SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet	Dark	Crash Costs
									Crash %	Crash %	
SH 17	I COATESVILLE-RIVERHEAD	8	5	9	4	6	32	20	28	31	\$2,923,297
SH 2	I PAKIPAKI OFF NBD	2	1	2	4	6	15	8	33	13	\$2,920,190
SH 1N	I TAKANINI OFF NBD	5	8	10	7	13	43	27	30	33	\$2,910,555
SH 1S	I MEMORIAL AVENUE	4	8	9	5	8	34	26	12	24	\$2,909,351
SH 2	500 S VAUGHAN ROAD	2	2	5	5	1	15	10	67	20	\$2,895,806
SH 5	I SETTLERS ROAD	0	2	3	5	1	11	2	55	27	\$2,894,934
SH 1N	100 N NORTH PORTAL	7	6	1	5	5	24	15	29	4	\$2,863,973
SH 1N ALBERT	I SH 1N QUEEN	2	4	3	5	6	20	15	45	25	\$2,861,715
SH 1N	I HICKEY ROAD	1	3	2	6	0	12	7	0	58	\$2,846,275
SH 29	A SH 1N	7	3	6	6	4	26	16	35	19	\$2,840,417
SH 1N	I RAUMATI ROAD	1	6	0	4	9	20	10	25	20	\$2,838,767
MARSHLAND ROAD	I SH 74	0	11	7	7	5	30	23	23	20	\$2,832,792
SH 1N	420 N TE HAPUA ROAD	0	2	0	3	1	6	2	0	17	\$2,823,312
SH 1N	I WELLINGTON ON NBD	12	6	15	14	12	59	46	22	37	\$2,818,241
SH 3	I TE MATAI ROAD	8	3	2	1	1	15	10	33	47	\$2,808,650
SH 1N	I AOTEA OFF SBD	2	10	15	9	5	41	30	37	49	\$2,795,758
SH 1N	I KAHIKATEA DRIVE	7	5	5	6	0	23	15	22	35	\$2,793,951
SH 5	I WAIPA MILL ROAD	5	2	5	4	1	17	14	18	18	\$2,791,220
SH 1N	50 S MARKET OBR	13	10	5	7	7	42	30	21	45	\$2,787,515
SH 2	3000 E MARCHANT ROAD	3	4	9	2	4	22	15	45	9	\$2,780,242
SH 3	I SH 3A	6	5	2	4	3	20	7	35	35	\$2,764,670
SH 1S	I SH 79	3	1	1	0	3	8	4	0	0	\$2,755,604
SH 16	30 W BOND OBR	13	10	13	7	6	49	31	27	20	\$2,751,325
SH 16	I TAUPAKI ROAD	5	8	8	9	7	37	21	8	5	\$2,749,456
SH 1N	I SH 30 N	2	1	2	2	1	8	3	38	50	\$2,742,367
SH 1N	500 S CONSTELLATION OBR	9	11	21	7	6	54	40	22	28	\$2,725,762
SH 54	I DERBY ST	4	3	6	3	1	17	7	18	18	\$2,725,000
SH 1N	250 S EAST TAMAKI OBR	6	9	11	11	20	57	45	32	30	\$2,706,209
SH 10	I WAIMATE NORTH ROAD	3	2	1	1	4	11	5	27	18	\$2,705,141
SH 35	I SPONGE BAY ROAD	0	1	2	0	0	3	1	0	0	\$2,691,297
SH 1N	50 S ST MARKS OBR	10	12	6	7	6	41	30	15	32	\$2,688,372
SH 2	I PAHOIA ROAD	1	2	0	4	4	11	6	36	36	\$2,672,338
SH 1N	I SHAKESPEARE ST	3	5	7	4	8	27	19	33	19	\$2,671,170
SH 30	I MILL ROAD	5	3	3	1	1	13	10	23	23	\$2,646,072
SH 57	I WALLACE ROAD	3	1	1	3	0	8	3	25	38	\$2,639,386
SH 1N	250 S PANAMA OBR	19	11	6	11	6	53	41	25	21	\$2,633,938
SH 1N	500 S SH 12	0	3	0	6	1	10	5	60	50	\$2,632,804
SH 2	I BLOCK ROAD	8	12	13	13	9	55	44	40	24	\$2,632,262
SH 1N	100 S HUTCHINSON ROAD	3	0	1	3	1	8	3	63	25	\$2,627,707
SH 1N	400 S WAIPU GORGE ROAD	3	0	0	5	1	9	3	78	11	\$2,627,707
SH 1S	I WAIUA EAST ROAD	2	0	2	0	2	6	2	50	50	\$2,617,410
SH 1N	I MT WGTN ON SBD	10	13	15	10	8	56	45	30	36	\$2,615,450
SH 1N	750 E OTURERE BR	8	7	9	0	1	25	19	64	36	\$2,606,016
SH 1N	600 S PRINCES OBR	7	7	7	5	4	30	23	33	40	\$2,597,638
SH 36	I CENTRAL ROAD	2	2	1	3	2	10	6	60	40	\$2,575,932
SH 71	A CAM OFF RAMP NBD	4	4	5	2	4	19	12	32	21	\$2,564,396
SH 39	I LIMMER ROAD	6	3	4	5	2	20	11	100	15	\$2,561,471

**Table 9.3: State Highway
Urban and Rural Black Spot List
(Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres
Rural Site Radius = 250 metres**
Sites with 5 or more injury crashes or more than \$1500000 in social costs

CRASH ROAD	SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet	Dark	Crash Costs
									Crash %	Crash %	
SH 4	I MAKOKOMIKO ROAD	3	6	0	0	1	10	4	60	60	\$2,554,542
SH 1S	1000 N RACECOURSE ROAD	2	0	0	1	1	4	1	0	25	\$2,553,397
SH 1N	A CLIFTON ON NBD	6	11	4	7	6	34	26	41	38	\$2,546,530
SH 3	I BLACKETT ROAD	0	4	2	0	0	6	1	50	83	\$2,540,657
SH 6	A ARAHURA RIV BR	5	4	0	3	1	13	5	77	23	\$2,535,276
SH 1N	I HUKA FALLS ROAD	4	2	4	6	3	19	12	21	0	\$2,531,873
SH 2	I WHARAWHARA ROAD	1	2	2	0	6	11	8	36	18	\$2,516,512
SH 2	400 E RIMUTAKA SUMMIT	1	3	3	5	3	15	8	67	20	\$2,515,450
SH 1N	500 N FANSHAWE ON NBD	7	7	10	8	11	43	36	28	30	\$2,506,215
SH 1S MAIN NORTH	I JOHNS ROAD	5	2	5	2	6	20	11	5	55	\$2,504,673
SH 1N	I ESMONDE ON SBD	8	9	20	13	11	61	55	20	31	\$2,502,580
SH 17	I WAINUI ROAD	8	9	6	7	2	32	18	34	31	\$2,500,106
SH 1N	1000 N TUKINO ACCESS	2	1	0	0	3	6	2	0	50	\$2,499,729
SH 7	900 E MAWHERA QUAY	4	3	0	0	5	12	4	58	33	\$2,492,964
SH 1N	I TE IRIRANGI OFF SBD	9	12	7	8	11	47	32	34	38	\$2,476,779
SH 73 CURLETT'S	I BLENHEIM ROAD	4	9	9	8	8	38	25	18	47	\$2,470,663
SH 1N	I TRISTRAM OFF SBD	11	14	6	10	11	52	42	31	31	\$2,463,241
SH 1S	I ROCKDALE ROAD	8	6	3	4	0	21	10	33	33	\$2,462,534
SH 2	100 N MORTON ROAD	4	1	2	1	0	8	5	38	38	\$2,461,836
SH 16	200 W OLD NORTH ROAD	2	3	3	4	1	13	7	31	31	\$2,457,849
SH 16	I BRIGHAM CREEK ROAD	4	6	2	7	5	24	13	33	17	\$2,456,438
SH 1N	600 S STAFFORD OFF NBD	9	9	8	10	7	43	38	16	40	\$2,449,307
SH 1N	100 S SH 2	0	4	3	3	6	16	12	19	6	\$2,446,980
SH 29	I SOLDIERS ROAD	1	0	2	1	4	8	5	50	13	\$2,445,624
SH 2	I WAIHI OFF EBD	1	3	1	2	2	9	6	0	0	\$2,445,310
SH 20	I MANUKAU ON SBD	4	5	2	9	15	35	26	17	29	\$2,433,755
SH 2	I OWEN ST	4	0	3	2	5	14	8	43	50	\$2,430,088
SH 2	1900 W PAERATA RIDGE ROAD	0	0	1	2	3	6	2	83	17	\$2,419,634
SH 2	I REA ROAD	1	1	2	2	1	7	4	43	29	\$2,407,704
SH 30	I SH 34	1	0	2	0	4	7	4	14	29	\$2,391,927
SH 1N	I HYDRO ROAD	1	6	2	6	1	16	9	44	19	\$2,376,808
SH 74 ANZAC	I PAGES ROAD	0	9	6	6	0	21	10	14	33	\$2,376,008
SH 1N	400 S SH 2	2	4	4	2	3	15	12	20	20	\$2,364,212
SH 30	100 S SH 2	2	0	3	0	1	6	3	17	33	\$2,357,927
SH 1N	930 N KAIWAKA MANGAWHAI RO.	1	1	1	1	1	5	1	40	60	\$2,352,314
SH 29	I GARGAN ROAD	1	0	1	2	3	7	5	43	14	\$2,346,461
SH 1S	I BURNSIDE ON RAMP SBD	1	3	2	3	2	11	6	9	27	\$2,344,835
SH 10	840 N PAIRATAHI ROAD	2	1	0	0	2	5	2	40	20	\$2,343,010
SH 11	3000 E SH 10	1	2	0	2	0	5	2	0	80	\$2,341,050
SH 17	100 W SCHISCHKA ROAD	3	1	7	16	8	35	25	89	20	\$2,340,270
SH 14	200 E KARA ROAD	1	1	1	1	1	5	2	20	20	\$2,340,254
SH 34	500 E FLETCHER AVENUE	2	1	2	1	0	6	4	33	17	\$2,320,403
SH 1N	A REAGAN OBR	10	5	10	10	12	47	36	36	36	\$2,314,481
SH 16	700 E ST LUKES OFF WBD	9	7	7	7	4	34	25	24	18	\$2,307,587
SH 10	500 S WAIAPAPA ROAD	0	2	1	0	0	3	0	33	0	\$2,305,940
SH 1N	I UPPER HWY OFF SBD	5	10	11	6	17	49	39	35	14	\$2,305,830
SH 1N	I HIGBROOK ON NBD	6	2	14	12	15	49	39	37	35	\$2,299,723

**Table 9.3: State Highway
Urban and Rural Black Spot List
(Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres
Rural Site Radius = 250 metres**
Sites with 5 or more injury crashes or more than \$1500000 in social costs

CRASH ROAD	SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet Crash %	Dark Crash %	Crash Costs
SH 1N	I HAVELOCK ROAD	1	1	2	2	2	8	5	38	13	\$2,294,450
SH 2	500 E TE AUTE TRUST ROAD	2	0	3	1	0	6	2	33	33	\$2,294,194
SH 1N	1000 S GEORGE ST	1	1	2	0	1	5	3	60	40	\$2,284,707
SH 1N	1300 S MT WGTN OFF NBD	10	14	3	5	2	34	26	41	18	\$2,282,279
SH 17	150 S EAST COAST ROAD	4	1	0	2	2	9	4	11	11	\$2,281,896
SH 1N	I ABATTOIRS ROAD	10	7	12	6	11	46	35	52	28	\$2,281,465
SH 1S RUSSLEY	I RYANS ROAD	2	4	5	3	0	14	8	14	14	\$2,274,289
SH 1N	I SANDFORD ROAD	1	1	1	0	0	3	0	0	0	\$2,266,740
SH 3	I TREMAINE AVENUE	9	10	7	10	10	46	37	24	37	\$2,261,601
SH 54	500 W WAUGHS ROAD	1	0	1	1	1	4	1	0	25	\$2,261,357
SH 2	900 S FACTORY ROAD	1	1	1	0	1	4	1	25	50	\$2,260,377
SH 1N	I PERRY ROAD	0	0	0	1	3	4	1	50	25	\$2,256,457
SH 1N	I CHERRY LANE	3	2	4	3	5	17	13	18	18	\$2,254,928
SH 2	I SH 50	1	3	0	1	0	5	2	20	40	\$2,254,831
SH 5	1500 E OTUROA ROAD	0	0	3	0	0	3	0	33	33	\$2,253,020
LINDEMANN ROAD	I SH 2	0	1	0	1	2	4	1	0	50	\$2,251,557
SH 2	930 W PAERATA RIDGE ROAD	0	1	0	3	0	4	1	25	0	\$2,251,557
SH 45	730 W PLYMOUTH ROAD	0	1	2	0	0	3	0	33	33	\$2,250,080
SH 1N	I TWIN STREAM ROAD	6	1	0	2	1	10	7	30	0	\$2,247,742
SH 1N	120 S TE IRIRANGI OBR	9	0	7	10	10	36	29	25	28	\$2,241,549
SH 1N	I KILLARNEY ROAD	8	5	10	4	3	30	25	17	33	\$2,229,759
SH 10	1050 N SALVATION ROAD	1	1	0	1	0	3	1	33	33	\$2,226,077
SH 10	1400 W WHANGAROA ROAD	1	0	1	1	0	3	0	33	67	\$2,223,620
SH 1N	200 N OTARA OFF SBD	8	5	5	2	1	21	15	38	48	\$2,221,808
SH 12	690 W BRYNDERWYN ROAD	0	1	2	0	0	3	0	0	67	\$2,221,660
SH 1N	500 N MAHURANGI WEST ROAD	5	4	6	4	2	21	15	57	38	\$2,212,461
SH 1N	200 N FAIRBURN ROAD	1	1	1	0	0	3	1	0	67	\$2,211,194
SH 30	I SH 34	1	2	0	0	1	4	2	50	25	\$2,205,912
SH 1S	I AYLESBURY ROAD	2	1	5	4	2	14	9	14	21	\$2,195,487
SH 1N	A JOHNSONVILLE ON SBD	8	16	10	3	9	46	35	54	30	\$2,193,742
SH 1N	I FOREST LAKES ROAD	1	1	0	2	5	9	4	44	33	\$2,188,184
SH 1N	I JOHNSONVILLE ON NBD	11	4	5	5	6	31	26	45	45	\$2,178,704
SH 1N	I TAYLORS ROAD	2	1	3	2	2	10	7	20	30	\$2,174,792
HEBDEN CRESCENT	I SH 58	1	0	1	4	3	9	4	22	11	\$2,173,484
SH 35	400 N SNELL ROAD	1	1	0	1	0	3	1	0	33	\$2,167,277
OHAUPO ROAD	I SH 1N	14	10	15	10	10	59	49	19	39	\$2,161,693
SH 3	500 S FLYGERS LINE	0	1	1	2	1	5	2	20	60	\$2,155,804
SH 99	350 W PRICE ROAD	1	0	2	1	0	4	0	25	75	\$2,152,080
SH 1S	I LEITH VALLEY ROAD	7	2	3	4	0	16	8	25	38	\$2,149,361
SH 3	I EGMONT ROAD N	4	4	10	2	2	22	10	18	14	\$2,148,863
SH 1N	1000 N SHELLY BEACH OBR	14	10	8	6	8	46	38	15	22	\$2,148,511
SH 2	3000 S RIMUTAKA SUMMIT	2	1	1	3	2	9	5	56	56	\$2,139,783
SH 11	I HARURU FALLS ROAD	1	0	0	2	0	3	1	0	100	\$2,135,734
SH 16	I KAHIKATEA FLAT ROAD	2	0	1	1	3	7	3	29	14	\$2,132,624
SH 1S	I REILLY ROAD	5	2	2	2	1	12	7	42	33	\$2,132,122
SH 6	300 S HOPE SDL	2	0	1	1	2	6	3	67	0	\$2,128,887
SH 2	I DOMAIN ROAD	9	5	6	0	4	24	19	29	29	\$2,126,113

**Table 9.3: State Highway
Urban and Rural Black Spot List
(Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres
Rural Site Radius = 250 metres**
Sites with 5 or more injury crashes or more than \$1500000 in social costs

CRASH ROAD	SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet	Dark	Crash Costs
									Crash %	Crash %	
SH 94	400 S WALKER CRK BR	0	0	2	2	0	4	1	0	0	\$2,118,277
SH 29	50 E PYES PA ROAD	0	2	1	1	1	5	3	20	60	\$2,117,848
SH 30A	I FENTON ST	18	7	7	13	2	47	37	30	28	\$2,111,819
WALTHAM ROAD	I SH 73 BROUGHAM	2	9	4	6	2	23	12	17	35	\$2,100,248
SH 20B	I ORRS ROAD	1	2	1	1	1	6	3	33	50	\$2,088,809
SH 16	500 E TE ATATU ON EBD EAST	6	4	7	8	4	29	20	24	31	\$2,087,174
SH 3	I NELSON ST	0	4	4	3	3	14	9	43	43	\$2,086,728
SH 1S	A RAKAIA RIV BR	1	5	3	5	1	15	13	13	13	\$2,085,429
SH 1N	2000 S GT SOUTH OBR	2	2	7	3	4	18	12	17	22	\$2,079,113
SH 1N	I KAPITI ROAD	9	7	7	9	15	47	35	11	19	\$2,056,238
SH 2	I ATHENREE ROAD	1	0	1	1	0	3	1	0	0	\$2,048,697
SH 1N	I WHITFORD BROWN AVENL	6	8	8	5	2	29	25	31	24	\$2,047,294
SH 1N	1800 N PAEKAKARIKI HILL ROAD	3	2	0	0	0	5	2	0	0	\$2,045,887
SH 1S	400 E RACECOURSE ROAD	0	1	1	0	2	4	1	25	75	\$2,043,797
SH 3	I TUHORO ST	1	1	2	1	1	6	1	0	33	\$2,035,804
SH 1N	1000 S MT WGTN OBR	7	6	7	9	3	32	27	44	38	\$2,033,832
SH 1S	A PARITITAHU TNL	1	2	2	4	2	11	7	64	45	\$2,032,793
SH 16	300 W LINCOLN OBR	3	6	5	7	5	26	16	19	42	\$2,029,100
SH 1N	500 S FRETHEY DRIVE	0	1	3	5	2	11	7	73	55	\$2,024,238
SH 1N	I TE KAUWHATA ROAD	5	8	5	7	4	29	23	31	38	\$2,015,205
SH 1N	A FISHERMANS TABLE	1	2	1	1	2	7	4	29	29	\$2,013,765
TARANAKI ST	I VIVIAN ST	2	8	6	5	2	23	16	17	39	\$2,011,439
SH 1N	I HELENSLEE ON NBD	2	3	1	4	4	14	7	64	36	\$2,011,315
SH 73 CURLETTS	I MAIN SOUTH ROAD	3	6	6	5	7	27	19	19	26	\$2,010,289
SH 73	350 S PEGLEG CRK BR	0	3	0	0	3	6	2	17	50	\$2,009,912
SH 1S	I CONCORD OFF WBD	5	4	8	1	3	21	9	33	14	\$1,997,800
SH 73A MAIN SOUTH	20 S EPSOM ROAD	8	5	7	4	5	29	22	21	17	\$1,991,779
SH 3	80 N WHANGAEHU HOTEL ROA	2	1	0	2	2	7	2	14	14	\$1,987,372
SH 1N	100 S ORAMS OBR	5	6	4	7	12	34	31	26	18	\$1,983,002
SH 1S	I QUEENS DRIVE	10	8	7	5	11	41	28	34	32	\$1,981,009
SH 2	6000 W RENALL ST	1	2	0	1	2	6	4	83	17	\$1,975,443
SH 3	550 S BURGESS HILL ROAD	2	3	5	1	0	11	7	45	18	\$1,965,275
SH 74	300 S PORT HILLS OFF WBD	3	0	0	3	0	6	1	17	67	\$1,964,417
SH 8	650 E SH 90	0	1	1	1	1	4	1	50	50	\$1,960,497
SH 1N	I ADELAIDE ROAD	5	9	12	17	10	53	45	19	32	\$1,959,312
SH 58	200 E JAMES COOK DRIVE	1	0	3	0	3	7	5	43	43	\$1,958,381
SH 1N	I ST MARKS ON SBD	19	5	8	11	3	46	42	15	20	\$1,956,847
SH 2	80 N ATHENREE ROAD	3	2	4	4	5	18	13	56	33	\$1,951,311
SH 85	I SPRINGVALE ROAD	1	1	1	1	0	4	1	25	0	\$1,941,796
SH 26	1100 W AVENUE ROAD SOUTH	0	0	4	2	3	9	6	33	78	\$1,939,461
SH 36	I TAUMATA ROAD	2	3	0	3	8	16	10	63	31	\$1,939,326
SH 6	I MARLBOROUGH ST	0	4	1	3	2	10	5	20	10	\$1,938,654
SH 1S	I LEADER ROAD EAST	2	2	1	2	2	9	6	11	11	\$1,938,298
SH 1S JOHNS	I WILKINSONS ROAD	0	2	2	1	2	7	2	14	14	\$1,932,492
SH 73	I HASKETTS ROAD	0	1	4	2	0	7	2	43	29	\$1,930,614
SH 3	I RUAHINE ST	5	3	2	4	1	15	9	40	40	\$1,929,874
HUKA FALLS ROAD S	I SH 1N	1	2	3	0	1	7	3	29	29	\$1,923,905

**Table 9.3: State Highway
Urban and Rural Black Spot List
(Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres
Rural Site Radius = 250 metres**
Sites with 5 or more injury crashes or more than \$1500000 in social costs

CRASH ROAD	SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-	Wet Crash %	Dark Crash %	Crash Costs
								Injury			
SH 2	BELL ROAD	3	7	1	3	4	18	13	28	39	\$1,923,627
SH 1S	KANUKA LANE	3	0	1	4	0	8	4	38	50	\$1,923,218
CENTENNIAL SBD	GLOVER SLIP ROAD	0	0	2	2	1	5	2	20	0	\$1,920,814
SH 1N	1000 S ARTILLERY ROAD	3	1	5	4	3	16	10	75	38	\$1,912,581
SH 57	KIMBERLEY ROAD	3	3	5	2	1	14	9	36	29	\$1,911,206
SH 1N	200 N PENCARROW ROAD	3	4	2	0	1	10	7	10	50	\$1,910,029
SH 1S	QUEENS GARDENS	3	2	2	1	1	9	3	22	11	\$1,906,312
SH 29	GIRVEN ROAD	0	3	4	4	4	15	12	20	47	\$1,903,005
SH 2	MINDEN ROAD	7	1	5	3	6	22	20	14	14	\$1,901,556
SH 73	500 W BARRINGTON ST	1	1	3	1	1	7	3	57	43	\$1,897,791
SH 16	PATIKI OFF EBD	6	6	4	5	6	27	21	30	33	\$1,896,672
SH 1N	HIGHWAY 56	0	0	3	5	2	10	4	10	30	\$1,895,347
SH 2	300 E TE PUNA ROAD	1	5	6	2	2	16	10	6	13	\$1,892,769
SH 1S	1700 N DAVAAR ROAD	2	0	1	0	1	4	0	25	50	\$1,891,400
SH 1S	MOSGIEL OFF SBD	1	2	5	3	2	13	8	38	38	\$1,891,292
SH 30	SH 5 OLD TAUPO ROAD	3	8	2	4	4	21	17	14	24	\$1,882,722
SH 2	200 S PETONE ON SBD	2	3	5	6	9	25	22	32	20	\$1,882,120
SH 45	TIMARU ROAD	0	0	4	0	3	7	2	57	57	\$1,875,734
SH 27	SH 29	3	3	3	10	6	25	20	40	24	\$1,875,145
SH 73 BROUGHAM ST	BURLINGTON ST	7	3	6	10	4	30	15	10	30	\$1,873,445
SH 2	CLARKE ROAD	3	3	3	4	4	17	12	29	6	\$1,873,313
SH 3	PRINCESS ST	9	7	6	5	1	28	13	14	21	\$1,870,056
SH 2	MAJOR DRIVE	3	5	7	6	1	22	17	41	64	\$1,864,574
SH 1N WELLINGTON	RUAHINE ST	6	5	9	11	6	37	25	38	32	\$1,863,497
SH 1S	CRINAN ST	0	2	2	3	0	7	2	29	14	\$1,861,420
SH 1N	BALDRICK ROAD	1	1	1	3	6	12	4	50	42	\$1,855,167
SH 73	700 W HARLEY CRK BR	1	1	1	1	0	4	2	25	25	\$1,852,132
SH 7	MAIMAI ROAD	0	2	1	0	0	3	0	67	33	\$1,849,260
QUEEN ELIZABETH DRIVE	MARSHLAND ROAD	5	3	4	3	5	20	12	25	40	\$1,845,663
SH 2	AKATARAWA ROAD	1	1	3	3	4	12	9	8	17	\$1,845,322
SH 3	PRINCESS ST	4	4	6	5	3	22	16	18	32	\$1,844,218
SH 3	RUTLAND ROAD	2	1	3	0	0	6	1	17	33	\$1,842,897
SH 57	TURITEA ROAD	0	3	0	1	4	8	2	13	50	\$1,837,514
SH 54	SH 54	1	3	3	2	3	12	9	25	17	\$1,835,929
SH 2	2500 E MERCHANT ROAD	2	1	2	0	0	5	3	40	20	\$1,835,786
SH 30	BRENT ROAD	3	1	2	1	1	8	4	38	13	\$1,834,262
SH 3	SOWERBY ROAD	1	2	1	2	3	9	6	44	22	\$1,830,518
SH 3	1000 S MAKIRIKIRI ROAD	1	5	0	0	1	7	3	14	0	\$1,830,008
SH 2	BARRETT ROAD	3	2	2	5	1	13	7	15	31	\$1,823,870
HEATHCOTE ROAD	SH 50A	1	3	2	1	1	8	4	0	63	\$1,821,583
SH 73	150 E POUND ROAD	1	2	1	0	1	5	2	20	60	\$1,820,691
SH 16	250 E CARRINGTON OBR	3	7	8	8	4	30	16	23	30	\$1,819,542
SH 75	810 W SUMMIT ROAD	0	1	0	3	1	5	1	0	0	\$1,818,397
SH 73	YALDHURST ROAD	2	2	6	3	6	19	12	11	53	\$1,815,211
SH 75	2360 W WAINUI MAIN ROAD	0	2	1	0	2	5	1	20	20	\$1,810,557
SH 2	LATHAM ST	4	6	9	5	9	33	28	27	24	\$1,808,965
SH 1S	300 S NORTH RAKAIA ROAD	1	1	1	2	1	6	3	33	33	\$1,808,427

**Table 9.3: State Highway
Urban and Rural Black Spot List
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**Urban Site Radius = 30 metres
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Sites with 5 or more injury crashes or more than \$1500000 in social costs

CRASH ROAD	SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-	Wet Crash %	Dark Crash %	Crash Costs
								Injury			
SH 1N	PAPAKURA OFF SBD	9	4	5	3	3	24	17	13	29	\$1,803,156
SH 16	SH 18	5	9	3	9	10	36	29	25	36	\$1,796,069
SH 1N	300 N BOLLARD ROAD	0	1	2	0	2	5	2	20	60	\$1,794,312
SH 1N	SH 23	5	8	9	11	6	39	29	21	31	\$1,787,841
SH 29	POIKE ROAD	1	3	5	5	4	18	15	33	39	\$1,785,807
SH 1N	200 S HIGHBROOK OBR	3	7	11	11	7	39	32	31	31	\$1,783,665
SH 7	300 N ANTILLS BR	1	1	0	1	1	4	1	50	75	\$1,782,056
SH 3	MANGOREI ROAD	2	4	5	7	3	21	15	33	24	\$1,781,724
SH 77	2200 E ZIG ZAG ROAD	1	0	1	0	2	4	1	0	25	\$1,780,177
SH 73 CURLETT'S	PARKHOUSE ROAD	3	3	3	3	4	16	13	25	44	\$1,779,676
SH 1N	CONSTELLATION OBR	5	8	6	10	11	40	34	33	30	\$1,779,311
SH 2	WI DUNCAN ROAD	2	2	2	3	3	12	10	42	50	\$1,779,301
SH 7	50 N GLYNN WYE STM BR	1	1	0	3	0	5	2	60	40	\$1,771,670
KRAACK ROAD	SH 1N	3	2	6	5	3	19	9	74	16	\$1,766,349
SH 1S	BARNES DRIVE	6	0	2	9	5	22	7	27	9	\$1,764,324
SH 1S	820 S OKARAHIA STM CV	0	3	0	1	2	6	4	67	17	\$1,759,945
SH 3	SH 57	2	1	0	1	3	7	2	14	14	\$1,759,114
SH 1N	KAPUNI ST	1	3	0	0	1	5	2	20	40	\$1,758,849
MOUNT WELLINGTON HIGH	MT WGTN OFF SBD S	5	7	5	4	2	23	15	52	57	\$1,757,041
SH 2	20 S SAMSON ROAD	1	2	0	2	0	5	2	40	40	\$1,756,889
SH 1N	300 S WEST ROAD	0	0	0	0	4	4	1	0	50	\$1,755,677
SH 1N	1000 W SH 27	0	0	1	2	1	4	1	50	0	\$1,755,677
SH 1S	2620 N JURYS ROAD	0	0	0	4	1	5	2	20	0	\$1,755,194
SH 2	SH 35	0	5	1	1	0	7	4	29	43	\$1,749,982
SH 1N	400 N TOP OF HARBOUR BRIDGE	9	3	11	12	1	36	28	14	36	\$1,749,905
SH 20B	CAMPANA ROAD	1	0	2	2	5	10	5	20	50	\$1,749,824
SH 3	KAIRANGA BUNNYTHORPE	5	3	6	6	0	20	15	15	15	\$1,749,099
SH 58	50 W JAMES COOK DRIVE	2	9	4	3	3	21	17	57	33	\$1,744,254
SH 23	TE PAHU ROAD	0	1	2	2	0	5	3	20	40	\$1,742,869
SH 1S CARMEN	WATERLOO ROAD	10	0	2	4	2	18	14	0	39	\$1,741,539
SH 3	400 N MANGOREI ROAD	1	0	2	2	1	6	3	17	33	\$1,736,887
SH 1N	SH 26	2	3	10	10	9	34	29	29	32	\$1,736,466
MASSEY ROAD	MASSEY ON SBD	2	7	5	6	4	24	16	8	46	\$1,733,665
SH 1N	SALEYARDS ROAD	2	2	3	1	5	13	8	38	31	\$1,732,247
SH 3	RYBURN ROAD	1	1	1	0	2	5	2	20	60	\$1,728,447
SH 1N	250 N TAKANINI OFF SBD	2	2	3	6	5	18	8	11	39	\$1,724,774
SH 32	980 N WAIHAVA BR	1	0	1	0	1	3	0	0	33	\$1,723,820
SH 1N	400 S NEWLANDS ON SBD	5	4	9	6	11	35	27	51	26	\$1,719,781
SH 6	100 E WHANGAMOA SDL	0	1	4	3	1	9	4	44	11	\$1,718,947
SH 5	3000 W MATEA ROAD	0	0	1	1	1	3	0	67	0	\$1,718,920
SH 1S	320 S CONWAY RIV BR	0	0	0	1	3	4	1	0	0	\$1,718,437
SH 1S	SH 86	1	2	1	2	3	9	4	22	22	\$1,716,906
SH 3	MOUNT STEWART HALCOM	1	2	1	1	2	7	5	0	57	\$1,715,443
SH 1N	100 N SOUTH PORTAL	8	3	1	3	5	20	17	15	20	\$1,715,039
SH 2	BEACH ROAD	1	3	0	2	1	7	5	14	43	\$1,710,748
SH 3	500 N RAPANUI ROAD	2	0	1	0	1	4	0	0	50	\$1,709,120
SH 1S	MILL ROAD SOUTH	2	1	2	1	1	7	3	43	43	\$1,705,527

**Table 9.3: State Highway
Urban and Rural Black Spot List
(Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres
Rural Site Radius = 250 metres**
Sites with 5 or more injury crashes or more than \$1500000 in social costs

CRASH ROAD	SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet	Dark	Crash Costs
									Crash %	Crash %	
SH 1N	I LOOP ROAD	3	2	1	2	5	13	9	23	31	\$1,704,840
SH 1B	I PEACH ROAD	1	1	1	1	1	5	3	40	100	\$1,703,567
SH 3	I HOLLY OAK TERRACE	0	1	3	0	1	5	2	40	40	\$1,699,252
SH 1S	1300 N DAZZLE CORNER	0	1	0	4	2	7	1	29	0	\$1,698,756
SH 1N	1000 S TAKANINI ON SBD	6	4	4	2	3	19	11	26	32	\$1,697,908
SH 20	150 E HILLSBOROUGH ROAD	4	3	7	3	4	21	14	33	24	\$1,696,927
SH 75	I PUHAH ROAD	0	1	1	1	0	3	0	0	0	\$1,695,400
SH 35	I MCDONALD ROAD	3	2	0	1	1	7	2	14	29	\$1,695,230
SH 1N	960 S SALEYARDS ROAD	2	3	4	1	3	13	9	54	38	\$1,694,544
SH 1N	I TINAKORI ON NBD	2	4	4	3	4	17	12	53	47	\$1,692,830
SH 1N	1100 S EAST TAMAKI OBR	5	5	3	2	7	22	16	27	50	\$1,691,674
SH 2	1200 W SERVICE STN STH	2	3	3	6	3	17	12	24	24	\$1,691,033
SH 4	I MAHOE ROAD	2	0	1	0	2	5	2	0	40	\$1,688,370
SH 1N	I HEUHEU PARADE	1	3	1	2	2	9	4	67	22	\$1,687,446
SH 1N	5 E GALLOWAY ST	3	7	10	2	4	26	20	38	42	\$1,685,671
SH 1N	A GREVILLE ON NBD	10	8	4	5	4	31	21	52	23	\$1,685,525
SH 56	I HIGHWAY 56	3	1	1	1	2	8	5	13	25	\$1,684,595
SH 1S BLUFF HIGHWAY	I ELLES ROAD	1	2	1	2	1	7	3	43	14	\$1,684,586
SH 1S	I ALBANY ST	7	5	5	2	5	24	11	17	33	\$1,684,356
MARKET ROAD	I MARKET OFF NBD	3	9	6	5	9	32	25	34	28	\$1,674,712
SH 1S	A HURUNUI RIV BR	2	4	3	3	4	16	9	44	38	\$1,673,964
SH 1N	300 E GILLIES OBR	10	7	5	8	9	39	35	31	33	\$1,672,331
SH 1S	2000 N FERNIEHURST ROAD	1	0	0	1	2	4	2	0	50	\$1,671,710
SH 16	1000 W ST LUKES OBR	6	1	6	6	4	23	18	35	26	\$1,669,046
SH 2	300 W HUBBARD ROAD	0	0	1	0	2	3	1	67	100	\$1,667,477
SH 5	1200 E WAIHOTU ROAD	0	0	1	1	1	3	1	67	33	\$1,667,477
SH 25	1000 N SAILORS GRAVE ROAD	1	1	1	1	0	4	2	50	25	\$1,666,810
SH 4	500 N PARIHUAHUA ROAD	3	1	0	0	0	4	1	75	50	\$1,666,314
SH 2	I DOWSE DRIVE	3	3	9	13	1	29	17	45	31	\$1,663,292
SH 25	40 S GOLF ROAD	0	3	1	1	0	5	3	40	100	\$1,662,509
UPPER HWY OFF NBD	I SH 18 W	7	11	11	6	14	49	39	14	20	\$1,660,118
SH 20	I RIMU ON NBD	7	6	7	9	6	35	28	14	29	\$1,658,623
SH 2	30 S MORRISON ROAD	0	1	1	1	1	4	2	0	0	\$1,658,460
SH 5	850 N TARAWERA TAV	4	3	0	1	0	8	6	100	13	\$1,655,529
SH 1S JOHNS	I SAWYERS ARMS ROAD	4	5	2	4	3	18	14	17	22	\$1,653,563
SH 1N	I SH 10	1	2	1	3	2	9	3	33	22	\$1,651,729
SH 1S	I WATERHOLES ROAD	2	0	5	5	4	16	9	13	31	\$1,651,485
SH 1N	I PAPAKURA ON NBD	10	7	6	8	6	37	32	27	46	\$1,651,423
SH 58	I POSTGATE DRIVE	4	3	1	2	2	12	7	8	25	\$1,650,124
SH 20	I CORONATION ON NBD	4	4	6	5	2	21	15	14	29	\$1,648,245
SH 6	I HUTCHESON ST	5	5	6	5	2	23	17	9	30	\$1,647,849
SH 16	200 N ROSEBANK OFF WBD	9	3	6	5	6	29	18	24	21	\$1,646,343
SH 1S	750 N OMIHI STM BR	0	1	1	1	0	3	1	0	67	\$1,645,917
GILLIES AVENUE	I GILLIES ON NBD N	8	7	4	6	3	28	20	21	46	\$1,643,889
SH 2	I WAINGAKE ROAD	1	1	0	1	1	4	1	50	50	\$1,642,896
SH 1N	I SH 15A	1	3	8	0	2	14	11	29	14	\$1,642,338
SH 2	70 W BOUCHER AVENUE	0	1	1	1	0	3	1	0	67	\$1,641,070

**Table 9.3: State Highway
Urban and Rural Black Spot List
(Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres
Rural Site Radius = 250 metres**
Sites with 5 or more injury crashes or more than \$1500000 in social costs

CRASH ROAD	SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-	Wet Crash %	Dark Crash %	Crash Costs
								Injury			
SH 20	HILLSBOROUGH ROAD	16	9	5	8	3	41	32	22	32	\$1,640,591
NEWTON ROAD	NEWTON ON WBD	9	5	8	12	0	34	26	12	44	\$1,635,041
SH 2	HILL ROAD	0	0	1	0	3	4	1	25	25	\$1,634,157
SH 79	BENNETT ROAD	0	0	0	1	2	3	1	0	0	\$1,632,197
SH 2	320 N TE NGARU BR	3	0	1	0	0	4	0	0	0	\$1,629,740
SH 25	830 E TE KAUANGA ROAD	0	2	0	1	0	3	1	0	0	\$1,629,176
SH 1N	TROY ST	4	1	0	2	1	8	6	38	13	\$1,629,129
SH 5	RANGITAIKI TVN	0	1	2	0	0	3	1	33	33	\$1,627,297
SH 54	MILSON LINE	2	5	3	4	6	20	15	35	20	\$1,625,904
SH 2	TRIG TRACK CNR	0	4	3	4	7	18	15	56	33	\$1,621,269
SH 2	WHAREKOPAE ROAD	1	0	1	1	2	5	3	20	40	\$1,621,247
SH 1S	OKARAHIA STM CV	6	5	4	1	1	17	13	59	12	\$1,620,258
LAKE ROAD	SH 5	11	9	7	4	3	34	29	24	26	\$1,617,655
SH 2	TE PUNA STATION ROAD	2	3	4	3	0	12	9	8	8	\$1,614,184
SH 27	MAUNGAKAWA ROAD	1	0	2	0	0	3	0	67	33	\$1,606,220
SH 45	400 N BEACH ROAD	1	2	0	0	1	4	1	75	75	\$1,605,737
SH 1S MAIN SOUTH	HALSWELL JUNCTION ROA	4	8	2	2	2	18	10	17	22	\$1,599,518
TRAM ROAD	TRAM OFF RAMP NBD	0	7	2	7	1	17	12	41	29	\$1,599,036
SH 1N	SOLDIERS ROAD	1	0	2	1	0	4	2	0	0	\$1,598,394
SH 2	450 N PUTORINO STATION ROAD	0	0	1	0	2	3	0	0	33	\$1,597,400
SH 1S	ST ANDREW ST	4	3	2	13	5	27	16	44	19	\$1,595,861
SH 35	2500 S MAKORORI BEACH ROAD	0	1	1	0	1	3	0	33	33	\$1,595,440
SH 1N	500 S LOOP ROAD S	1	3	0	2	5	11	8	36	36	\$1,590,330
SH 35	70 E WILLOWS ROAD	1	1	1	0	1	4	2	25	25	\$1,586,369
SH 35	500 W PACIFIC ST	1	1	0	1	1	4	2	25	75	\$1,586,369
SH 6	SPEY ST	5	3	5	7	5	25	14	28	32	\$1,584,313
SH 6	TRAfalgar ST	0	4	0	2	2	8	5	13	50	\$1,583,960
SH 2	100 S PARITU ROAD	0	1	0	2	1	4	2	75	25	\$1,583,612
SH 96	OTAUTAU-WREYS BUSH RD	0	0	1	2	1	4	0	25	0	\$1,581,720
SH 3	UPPER TAUMAHA ROAD	1	1	0	1	0	3	0	33	33	\$1,578,780
SH 1S	CONON ST	0	2	4	3	3	12	5	17	0	\$1,578,190
SH 1S	POLICE ST	2	7	5	3	1	18	5	28	6	\$1,576,594
SH 1N	BEAVER OFF NBD	1	4	1	0	1	7	4	43	29	\$1,570,723
SH 16	WATERVIEW ON WBD	5	8	8	4	6	31	23	35	39	\$1,570,631
SH 1N	1000 N PRINCES OBR	4	12	12	6	1	35	30	40	29	\$1,568,721
SH 1S	MILLS AND FORD ROAD EA	2	2	0	2	0	6	4	17	17	\$1,567,865
SH 96	GRAVEL PIT RD	0	2	1	3	0	6	3	50	83	\$1,567,531
SH 54	600 S TAPUAE ROAD	1	1	0	0	1	3	1	33	33	\$1,566,537
SH 1S MAIN SOUTH	BARTERS ROAD	5	5	1	7	1	19	11	32	26	\$1,563,791
SH 1N	100 S WALTER STREVENS OBR	5	5	1	2	7	20	15	20	20	\$1,563,533
SH 57	1000 W VICTORIA ROAD	1	0	0	1	1	3	1	0	67	\$1,561,637
SH 5	2200 S WAIPA MILL ROAD	3	4	0	2	1	10	6	60	50	\$1,561,551
SH 11	1600 N WAIKARE ROAD	1	2	3	0	2	8	3	100	25	\$1,560,671
SH 16	ST GEORGES BAY ROAD	4	2	2	2	4	14	6	21	36	\$1,559,510
SH 50	PAKOWHAI ROAD	5	5	3	4	0	17	12	29	24	\$1,556,509
SH 1N	900 N TE IRIRANGI OBR	6	7	6	9	4	32	25	31	22	\$1,555,680
SH 3	300 S AWAKINO HEADS ROAD	1	3	0	0	0	4	2	100	100	\$1,555,111

**Table 9.3: State Highway
Urban and Rural Black Spot List
(Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres
Rural Site Radius = 250 metres**
Sites with 5 or more injury crashes or more than \$1500000 in social costs

CRASH ROAD	SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet	Dark	Crash Costs
									Crash %	Crash %	
SH 20	MASSEY OFF NBD	3	1	6	5	4	19	13	32	32	\$1,553,248
SH 35	300 S ONEROA ROAD	2	1	0	2	1	6	3	0	33	\$1,552,831
SH 2	QUEENS HEAD RLY OBR	2	0	0	2	2	6	4	67	17	\$1,552,347
SH 27	SH 2	2	4	6	4	5	21	18	14	43	\$1,550,955
SH 1N	700 W SH 2	4	7	4	1	1	17	14	24	29	\$1,547,458
SH 88	BLANKET BAY ROAD	1	0	2	2	1	6	2	33	83	\$1,546,270
SH 1S	COAST ROAD S	0	4	0	2	0	6	2	33	50	\$1,545,392
SH 1N	HOBSON ON SBD	12	4	8	4	8	36	31	19	28	\$1,543,669
SH 2	2000 W WHAKARAU ROAD	0	1	1	1	0	3	1	67	67	\$1,543,017
SH 2	300 S TATARAMOA ROAD	1	1	1	1	0	4	1	25	75	\$1,538,117
SH 2	200 S SH 29	1	5	2	6	1	15	12	20	27	\$1,537,392
SH 1N	TAUROA ST	4	2	2	4	5	17	12	41	18	\$1,536,672
SH 17	KAHIKATEA FLAT ROAD	1	2	3	1	1	8	6	0	13	\$1,535,437
SH 2	400 N ATHENREE ROAD	0	3	1	3	1	8	3	63	38	\$1,534,211
SH 1N	HANIA ST	4	4	4	1	1	14	12	21	29	\$1,534,170
SH 1N	900 N WAIWHIU ROAD	1	3	2	0	0	6	3	100	67	\$1,532,966
SH 2	950 N TUNANUI ROAD	1	0	1	0	1	3	0	0	33	\$1,531,740
SH 54	530 N SANDON BLOCK ROAD	0	2	1	1	0	4	1	50	25	\$1,530,196
SH 1N	50 W COBHAM DRIVE	1	0	2	0	0	3	1	33	100	\$1,529,997
SH 17	SILVERDALE PARKWAY	5	3	2	6	3	19	13	21	26	\$1,529,079
SH 1N	RUGBY ST	3	9	7	9	6	34	28	35	71	\$1,528,005
SH 2	GROUNSELL CRESCENT	5	4	8	4	8	29	20	34	24	\$1,525,387
SH 73 YALDHURST	AVONHEAD ROAD	1	1	3	1	2	8	4	25	25	\$1,524,680
SH 1S	950 N COAST ROAD S	2	1	0	2	0	5	0	80	40	\$1,521,940
SH 1N	150 N WILKS OBR	1	1	3	0	0	5	1	20	60	\$1,521,457
SH 17	1300 N HATFIELDS BR	1	0	4	5	5	15	7	60	27	\$1,520,518
SH 6	180 E HOPE SDL	0	1	1	1	2	5	1	60	0	\$1,520,477
SH 3	500 W LEPPER ROAD LOWER	0	1	0	1	1	3	1	33	0	\$1,519,497
SH 1S	GREAT KING ST NORTH	3	6	1	5	7	22	11	27	27	\$1,515,926
SH 1N	200 N ESMONDE OBR	3	5	4	3	5	20	16	20	25	\$1,508,256
SH 57	SH 56	2	1	9	3	2	17	12	24	18	\$1,508,119
SH 1N	2 OFF SBD	0	7	2	10	1	20	16	15	40	\$1,507,024
SH 6	MURITAI ST	2	4	0	1	10	17	11	0	12	\$1,506,342
ONEWA OFF SBD	ONEWA ON SBD	2	5	10	11	2	30	22	30	30	\$1,505,638
SH 1N	100 N VIVIAN ST	6	8	4	6	9	33	27	36	24	\$1,502,730
PUHINUI ROAD	SH 20	3	1	4	2	7	17	11	29	41	\$1,501,981
SH 1N	SH 2	1	6	6	1	1	15	12	53	13	\$1,500,572
JOHNSONVILLE OFF NBD	SH 1N	3	11	9	6	4	33	27	64	30	\$1,498,023
SH 18	CARIBBEAN DRIVE	1	11	0	5	3	20	15	20	15	\$1,494,173
SH 1N	3000 S TREGOWETH LANE	2	3	3	2	2	12	6	8	25	\$1,490,275
SH 1N	MANUREWA OFF SBD	6	3	7	7	7	30	22	30	20	\$1,487,213
SH 60	DOMINION ROAD	1	2	3	6	5	17	11	47	29	\$1,485,701
SH 17	WAIWERA ROAD	4	7	4	2	1	18	13	28	39	\$1,471,296
SH 1N VICTORIA	HAMILTON ROAD	5	11	9	18	10	53	43	19	19	\$1,463,022
SH 58	800 N SPINNAKER DRIVE	2	6	2	2	0	12	7	67	25	\$1,459,249
SH 20	100 S PUHINUI OFF NBD	1	1	6	5	4	17	12	35	35	\$1,455,382
SH 1N	SAULBREY ROAD	5	2	4	0	0	11	3	18	27	\$1,451,707

**Table 9.3: State Highway
Urban and Rural Black Spot List
(Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres
Rural Site Radius = 250 metres**
Sites with 5 or more injury crashes or more than \$1500000 in social costs

CRASH ROAD	SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-	Wet Crash %	Dark Crash %	Crash Costs
								Injury			
SH 1N	100 S NORTHCOTE ON SBD	7	10	4	2	3	26	17	15	27	\$1,448,745
SH 30A	I TAREWA ROAD	6	2	2	5	6	21	15	14	24	\$1,446,897
SH 1N	I VICTORIA ST	0	0	9	3	7	19	9	26	47	\$1,443,931
SH 74A PALINURUS	I FERRY ROAD	3	4	2	5	3	17	7	29	41	\$1,431,622
SH 1N	I PIHANGA ROAD	3	5	3	1	0	12	7	8	8	\$1,430,630
SH 1S YALDHURST	I RUSSLEY ROAD	7	5	6	2	5	25	17	0	32	\$1,427,541
SH 1S	I JETTY ST	3	6	5	3	6	23	14	13	35	\$1,420,053
SHANDS ROAD	I SH 1S	3	5	4	9	4	25	17	12	40	\$1,419,825
SH3 ON RAMP	I BADER ST	5	6	3	5	3	22	13	18	41	\$1,409,537
SH 1N	500 N REAGAN OBR	2	2	3	4	1	12	4	8	50	\$1,405,185
SH 1S MAIN SOUTH	I PARKER ST	6	6	3	4	2	21	13	24	19	\$1,400,194
SH 1N	1500 N GT SOUTH OBR	6	5	5	3	5	24	14	13	17	\$1,399,254
SH 45	I GOVER ST	5	3	3	8	7	26	19	19	12	\$1,398,631
SH 1N	300 S MANGAMATE CUL	4	2	5	6	8	25	16	76	16	\$1,396,775
SH 1N	800 N GREENHILL ROAD	2	0	3	3	1	9	4	22	56	\$1,391,444
SH 16	800 E ST LUKES OBR	3	8	5	5	8	29	23	52	31	\$1,384,350
SH 1B	I TAUWHARE ROAD	4	2	1	2	1	10	4	20	30	\$1,382,624
SH 1S	I SH 6	7	5	5	7	4	28	20	25	25	\$1,380,025
SH 3	I MANGOREI ROAD	7	3	12	3	3	28	22	14	14	\$1,376,909
TE ATATU ROAD	I TE ATATU OFF EBD S	5	3	2	2	0	12	7	8	75	\$1,374,862
SH 3	500 E PAEKAKA ROAD	3	4	2	1	0	10	5	80	30	\$1,372,178
SH 7	650 E MAORI ST	3	1	3	1	0	8	3	63	38	\$1,370,184
SH 1S MAIN SOUTH	250 W PARKER ST	3	3	3	0	1	10	4	20	0	\$1,366,700
SH 54	I CAMPBELL ROAD	2	3	1	1	1	8	2	38	13	\$1,358,212
SH 3	I HYDRO ROAD	1	2	2	6	0	11	6	27	36	\$1,356,280
SH 7	50 E GOINGS CRK BR	2	3	2	1	2	10	5	30	50	\$1,353,640
SH 1N	1000 S ONEWA ON SBD	2	11	5	6	4	28	22	25	32	\$1,350,472
MT WGTN OFF NBD	I MOUNT WELLINGTON HIGH	5	6	2	4	6	23	17	26	30	\$1,349,682
SH 1S	I SH 62	3	2	4	3	2	14	9	14	21	\$1,330,480
SH 3	I WHAKAMARA ROAD	0	2	4	1	2	9	3	89	33	\$1,329,391
MASSEY ROAD	I MASSEY OFF NBD	7	7	3	4	5	26	19	31	35	\$1,328,047
SH 1N	100 S PENROSE INT	5	3	7	10	4	29	24	34	17	\$1,327,884
SH 2	A HUTT ON NBD	4	3	7	4	5	23	14	26	39	\$1,325,507
SH 94	100 E HOMER TUNNEL SOUTH	1	2	1	2	3	9	2	22	0	\$1,324,892
SH 1N	700 S GREVILLE OBR	4	4	4	4	6	22	12	41	14	\$1,324,513
SH 1N	2000 N PAPAKURA ON NBD	2	1	2	2	5	12	6	17	42	\$1,321,980
SH 1N	I SH 57	3	5	4	6	6	24	16	29	17	\$1,321,621
SH 20	220 S PORTAGE OBR	1	1	5	5	2	14	9	14	29	\$1,320,347
SH 20	50 S RIMU OBR	6	3	3	8	7	27	21	22	44	\$1,319,982
SH 1N	I DRURY OFF SBD	5	3	8	5	3	24	16	38	25	\$1,301,899
SH 2	I HIGGINSON ST	3	5	2	0	0	10	5	40	30	\$1,296,718
SH 6	I HAY ST	3	2	1	0	1	7	2	14	29	\$1,288,654
SH 1N	100 N TREGOWETH LANE	2	0	1	2	5	10	5	30	30	\$1,287,390
SH 3	I INGAHAPE ROAD	3	2	3	1	0	9	4	44	33	\$1,283,746
SH 16	I DUNLOP ROAD	2	2	3	3	2	12	6	25	25	\$1,280,268
SH 74	I BRIDGE ST	5	3	2	2	2	14	9	36	29	\$1,276,147
SH 1S EVANS	I RANUI AVENUE	4	5	3	4	4	20	14	5	10	\$1,275,696

**Table 9.3: State Highway
Urban and Rural Black Spot List
(Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres
Rural Site Radius = 250 metres**
Sites with 5 or more injury crashes or more than \$1500000 in social costs

CRASH ROAD	SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet	Dark	Crash Costs
									Crash %	Crash %	
SH 14	WEST END AVENUE	0	0	6	1	3	10	5	10	0	\$1,271,170
SH 16	700 E ROSEBANK OFF WBD	5	8	3	7	4	27	22	19	44	\$1,267,847
SH 21 AIRPORT	RAYNES ROAD	4	0	2	2	1	9	3	44	44	\$1,266,487
SH 73A BLENHEIM	ALLOY ST	2	6	3	5	3	19	13	32	32	\$1,259,971
SH 6	GLEND A DRIVE	2	2	3	3	1	11	5	27	9	\$1,259,374
SH 2	MOONSHINE HILL ROAD	2	2	6	6	4	20	10	20	25	\$1,259,287
SH 75 HALSWELL	HOON HAY ROAD	4	7	3	2	3	19	13	26	37	\$1,258,430
SH 74 QUEEN ELIZABETH I	HILLS ROAD	2	1	0	3	0	6	1	0	17	\$1,249,997
SH 1S	1000 S MCGRATH ROAD	1	1	3	3	1	9	3	22	56	\$1,248,847
SH 5	SHAW ROAD	2	2	1	3	1	9	4	67	44	\$1,248,547
MASON ROAD	SH 23	2	1	2	2	1	8	3	25	50	\$1,248,051
SH 1N	400 S PENROSE OFF NBD	2	5	7	5	5	24	17	21	17	\$1,246,821
SH 2	3000 S OLD MAIN ROAD	1	2	1	3	0	7	1	43	57	\$1,244,036
SH 1N	200 N SUNNYNOOK OBR	2	6	3	7	6	24	17	38	38	\$1,240,513
SH 16	400 E ROSEBANK OFF WBD	3	2	3	2	1	11	6	27	55	\$1,240,171
SH 1N	TAURIMA ST	3	5	4	4	5	21	16	33	43	\$1,239,159
SH 1N	1000 N PAEKAKARIKI HILL ROAD	2	3	0	1	0	6	1	50	0	\$1,233,154
SH 16	A WAIMUMU OBR	1	8	4	7	1	21	12	29	38	\$1,232,353
SH 2	FAIRWAY DRIVE	3	2	7	6	8	26	20	50	31	\$1,230,806
SH 73 CURLETT S	LUNNS ROAD	1	4	4	4	1	14	9	57	43	\$1,230,030
SH 3	STONEY CREEK ROAD	3	1	1	1	4	10	5	0	10	\$1,229,594
SH 6	HERBERT ST	4	3	4	5	2	18	11	11	22	\$1,219,035
SH 1N	700 S NORTHCOTE OBR	9	8	4	3	1	25	20	36	24	\$1,213,566
SH 1N	RIFLE RANGE ROAD	10	11	10	2	15	48	41	21	25	\$1,213,273
SELWYN ST	SH 73	4	3	1	5	3	16	9	0	38	\$1,210,914
SH 73 YALDHURST	RACECOURSE ROAD	2	4	2	3	2	13	5	8	15	\$1,210,160
GILLIES AVENUE	GILLIES OFF SBD	4	6	1	4	3	18	11	44	50	\$1,209,534
SH 1N	530 S SCHOLLUM ACCESS ROAD	0	0	4	1	6	11	6	27	36	\$1,205,441
SH 1S	20 E MORRIS OBR	3	3	0	2	1	9	4	11	33	\$1,198,222
SH 3	5000 E SH 57	0	1	3	2	3	9	4	56	89	\$1,197,506
SH 1S	WORKS ROAD	4	2	0	1	1	8	2	0	13	\$1,196,329
SH 1N	1000 S UPPER HWY OFF NBD	2	9	7	4	3	25	20	44	40	\$1,189,983
SH 3	OKAU ROAD	1	1	2	1	1	6	1	67	67	\$1,170,617
SH 73 JERROLD N	BARRINGTON ST	3	2	5	2	2	14	8	7	43	\$1,170,248
SH 6	SH 84	4	1	3	4	3	15	5	0	33	\$1,167,623
SH 20	PLUNKET AVENUE	7	6	7	12	4	36	29	19	22	\$1,165,233
SH 3	NUGENT ST	1	4	7	3	4	19	14	21	32	\$1,164,701
SH 5	350 N TE HAROTO ROAD	4	0	1	0	1	6	1	50	17	\$1,161,614
SH 17	GREEN ROAD	2	1	2	2	2	9	4	33	33	\$1,159,103
SH 58	150 N SPINNAKER DRIVE	5	1	4	3	6	19	10	58	32	\$1,149,759
SH 2	NGAUMUTAWA ROAD	3	0	0	1	3	7	2	29	14	\$1,134,279
SH 6	LOWER SHOTOVER ROAD	0	2	2	3	1	8	3	0	0	\$1,134,009
SH 1S	FREDERICK ST	10	4	6	3	3	26	15	23	23	\$1,129,545
SH 17	THE AVENUE	3	5	3	3	3	17	10	29	12	\$1,126,100
SH 1N	MCKINNEY ROAD	0	3	4	0	1	8	3	25	0	\$1,123,509
SH 16	GLADSTONE ROAD	1	4	4	3	5	17	10	29	35	\$1,119,158
SH 6	A RAI SDL	1	3	0	3	1	8	3	75	0	\$1,118,507

**Table 9.3: State Highway
Urban and Rural Black Spot List
(Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres
Rural Site Radius = 250 metres**
Sites with 5 or more injury crashes or more than \$1500000 in social costs

CRASH ROAD	SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet	Dark	Crash Costs	
									Crash %	Crash %		
SH 3	100 E	POWERHOUSE ROAD	1	0	3	0	1	5	0	40	0	\$1,118,180
SH 1S	I	WOOLSHED ROAD	0	2	2	0	3	7	2	0	14	\$1,114,192
SH 43	I	STANDISH ROAD	0	2	0	3	1	6	1	67	33	\$1,111,817
SH 1N	3000 N	SH 12	2	4	7	4	3	20	13	70	5	\$1,110,343
SH 2	300 S	MELLING LINK	2	4	2	8	4	20	13	50	15	\$1,108,451
SH 74 MAIN NORTH	I	STYX MILL ROAD	2	6	1	1	3	13	8	8	38	\$1,098,324
SH 1N	100 N	MANGAWHAI ROAD	1	0	2	4	1	8	3	50	50	\$1,097,927
SH 16	I	RIVERHEAD ROAD	1	3	4	0	2	10	4	10	30	\$1,092,930
SH 1S RUSSLEY	I	WAIRAKEI ROAD	5	4	5	5	2	21	15	24	24	\$1,087,518
SH 1N	I	BATH ST	3	2	6	3	4	18	12	22	22	\$1,075,673
GREENLANE OFF NBD	I	GREENLANE INT	10	11	9	4	8	42	37	17	7	\$1,072,840
SH 6	I	YARROW ST	3	1	6	3	3	16	11	19	25	\$1,065,899
SH 1S	I	YTHAN ST	1	2	2	6	5	16	11	25	38	\$1,062,527
SH 88	I	ANZAC AVENUE	4	6	3	3	2	18	13	11	17	\$1,062,220
SH 1N	I	TROY ST	5	6	7	4	2	24	14	25	25	\$1,057,788
SH 1N VIVIAN	I	TORY ST	2	2	2	4	0	10	5	10	30	\$1,057,080
SH 2	I	ESSEX ST	4	2	2	1	0	9	4	33	11	\$1,050,808
SH 1S	I	QUEENS GARDENS	4	6	5	3	4	22	11	18	9	\$1,047,226
SH 2	50 S	SERVICE STN STH	1	5	8	4	3	21	16	29	38	\$1,041,260
SH 1N	I	CHURTON PARK ON NBD	3	1	8	5	4	21	16	38	29	\$1,039,442
SH 16	150 N	ROSEBANK OBR	4	5	3	8	1	21	16	29	43	\$1,038,913
SH 3	I	FEATHERSTON ST	9	11	8	9	5	42	36	14	26	\$1,037,761
SH 2	I	WEST QUAY	2	1	3	3	5	14	8	7	7	\$1,030,928
SH 2	I	TOTARA PARK ROAD	4	1	7	5	7	24	19	21	46	\$1,028,177
SH 1N HAMILTON	I	HALL ST	3	4	1	3	2	13	8	23	54	\$1,027,668
SH 1S JOHNS	I	HAREWOOD ROAD	5	6	1	3	5	20	15	30	40	\$1,015,978
SH 74 TRAVIS	I	BASSETT ST	4	1	5	0	1	11	6	27	18	\$1,014,264
SH 16	740 E	LINCOLN ON EBD	6	4	4	1	5	20	15	45	30	\$1,013,997
SH 1N	I	CHURCH ROAD	3	8	4	7	4	26	21	31	46	\$1,010,642
SH 20	400 E	HILLSBOROUGH ROAD	4	8	3	2	0	17	10	53	24	\$1,006,817
SH 1N	50 N	COOK OFF SBD	3	3	6	6	2	20	15	20	40	\$999,766
SH 1S	500 E	BLACK BRIDGE ROAD	2	3	0	0	0	5	0	40	40	\$997,640
TRISTRAM AVENUE	I	TRISTRAM ON SBD	6	5	9	6	2	28	22	18	18	\$997,541
SH 1N	1000 S	SH 2	1	4	1	7	4	17	10	29	35	\$995,403
SH 1S	I	HANOVER ST	3	1	5	2	2	13	8	0	8	\$994,864
SH 1N	I	PENROSE OFF SBD	4	6	2	4	4	20	15	10	5	\$989,389
SH 17	100 N	THE AVENUE	5	1	0	1	0	7	2	29	43	\$977,685
SH 1S	I	STUART ST	2	3	2	5	1	13	8	15	23	\$972,578
SH 1S	I	USK ST	4	2	5	2	1	14	9	7	14	\$969,322
SH 6	I	FILLEUL ST	1	2	1	3	0	7	1	43	43	\$968,550
SH 1N BUCKLE	I	TARANAKI ST	2	9	11	9	4	35	28	29	31	\$962,867
GREENLANE OFF SBD	I	GREENLANE INT	8	8	5	4	7	32	25	16	13	\$956,487
SH 17	500 S	WAIWERA ROAD	3	6	4	6	0	19	14	32	58	\$949,643
SH 20	I	SH 20A	2	5	1	4	5	17	11	29	47	\$943,081
SH 1S	I	THAMES ST	6	4	4	4	1	19	9	0	21	\$942,594
SH 22	I	GLENBROOK ROAD	2	4	5	4	4	19	14	26	47	\$939,025
SH 29	A	SUMMIT LOOKOUT	2	4	3	4	5	18	13	72	28	\$932,030

**Table 9.3: State Highway
Urban and Rural Black Spot List
(Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres
Rural Site Radius = 250 metres**
Sites with 5 or more injury crashes or more than \$1500000 in social costs

CRASH ROAD	SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet	Dark	Crash Costs
									Crash %	Crash %	
SH 1S CASTLE	ST ANDREW ST	2	5	5	12	2	26	18	8	19	\$930,675
SH 1S	ANZAC AVENUE	0	1	2	3	3	9	4	0	0	\$927,840
SH 2	400 S MAJOR DRIVE	2	4	5	2	2	15	8	40	20	\$924,829
SH 16	700 E CARRINGTON OBR	3	3	1	5	6	18	13	33	61	\$918,045
SH 20	1000 N WALMSLEY OBR	5	5	2	3	1	16	10	19	44	\$914,595
SH 6	AIRPORT ROAD	8	4	0	3	1	16	10	6	31	\$910,432
SH 1S	ETTRICK ST	2	3	1	0	1	7	2	43	29	\$909,394
PENROSE OFF SBD	PENROSE INT	12	12	1	4	6	35	30	9	40	\$900,814
SH 1N	3200 S WAIPIU GORGE ROAD	4	5	1	4	1	15	9	87	0	\$900,480
SH 1S	FREDERICK ST	3	1	3	0	3	10	5	30	20	\$897,918
SH 73	POUND ROAD	2	4	5	3	4	18	11	22	28	\$882,768
SH 16	TE ATATU OFF WBD	2	1	6	3	6	18	13	33	33	\$881,754
SH 1S	JERVOIS ST	0	3	2	1	1	7	2	29	0	\$868,980
UNION ST	NELSON ST	13	5	4	4	4	30	24	20	37	\$867,408
TE IRIRANGI DRIVE	TE IRIRANGI OFF SBD	2	5	4	10	3	24	19	29	42	\$858,774
SH 16	FERNHILL DRIVE	3	4	3	4	2	16	9	25	19	\$844,791
SH 20	MASSEY ON NBD	2	3	3	6	2	16	11	38	38	\$843,816
SH 29	OROPI ROAD	2	2	3	3	5	15	10	40	27	\$832,621
SH 1S	20 N CALEDONIAN ROAD	1	2	5	6	3	17	8	12	12	\$832,404
SH 20	400 N PUHINUI OBR	3	3	3	4	1	14	8	14	50	\$827,728
SH 1N	700 S MUNGAVIN OFF NBD	4	3	1	1	6	15	10	33	33	\$825,476
SH 73 BROUHAM	OPAWA ROAD	3	4	7	3	3	20	11	5	15	\$823,496
SH 1N	SELWYN AVENUE	5	5	4	9	9	32	27	25	25	\$822,417
SH 3	LEMON ST	6	5	4	8	8	31	26	32	16	\$822,103
SH 1N	HAMILTON ROAD	4	5	9	8	7	33	28	24	27	\$818,307
SH 1S MAIN SOUTH	KIRK ROAD	6	2	5	1	2	16	8	13	31	\$808,323
SH 1S	SH 6	9	8	7	1	4	29	24	14	21	\$807,333
GREAT NORTH ROAD	WATERVIEW ON WBD N	4	6	8	4	3	25	19	32	48	\$794,803
SH 3	SAXBYS ROAD	6	9	0	3	5	23	16	30	43	\$786,910
SH 1N	300 N JOHNSONVILLE ON NBD	1	5	3	3	2	14	9	57	36	\$784,206
SH 1N	CENTRAL AVENUE	10	4	2	6	7	29	24	28	31	\$778,767
SH 16	SLIP ROAD	1	2	3	6	7	19	11	42	53	\$773,880
ST LUKES OFF WBD	ST LUKES ROAD N	4	1	6	7	1	19	12	37	42	\$772,726
SH 1S	BURNSIDE OFF RAMP NBD	3	2	1	3	4	13	8	23	31	\$771,719
SH 20	PUHINUI OFF NBD	3	2	1	4	3	13	7	15	15	\$770,090
SH 6	DON ST	2	7	2	5	4	20	13	20	25	\$768,978
SH 22	DRURY ON NBD E	2	5	2	2	2	13	7	31	46	\$765,210
NORTHCOTE ROAD	NORTHCOTE OFF NBD W	3	8	6	0	2	19	12	21	47	\$759,844
EAST TAMAKI ROAD	OTARA ON SBD	6	4	5	6	5	26	21	27	54	\$749,886
KENNEDY ROAD	KENNEDY OFF NBD	4	4	5	1	2	16	7	31	6	\$742,762
SH 5	2500 S GLENGARRY ROAD	3	5	3	0	0	11	5	73	9	\$739,712
SH 3	500 S MARAETAUA ROAD	2	1	5	1	1	10	3	40	50	\$739,349
TAKAPU ROAD	TAWA OFF SBD	4	7	2	1	1	15	10	60	47	\$739,129
SH 1S CARMEN	BUCHANANS ROAD	2	7	7	6	2	24	18	13	29	\$736,439
SH 45 VIVIAN	MORLEY ST	5	6	5	4	6	26	21	27	12	\$726,677
SH 1S	120 S LAKE ROAD	5	3	2	0	1	11	6	9	55	\$722,548
TE IRIRANGI DRIVE	TE IRIRANGI ON NBD	6	3	6	3	0	18	12	28	56	\$716,872

**Table 9.3: State Highway
Urban and Rural Black Spot List
(Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres
Rural Site Radius = 250 metres**
Sites with 5 or more injury crashes or more than \$1500000 in social costs

CRASH ROAD	SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-	Wet Crash %	Dark Crash %	Crash Costs
								Injury			
SH 1N	HOOKER ROAD	2	1	6	1	2	12	7	17	50	\$707,915
OTARA ON NBD	EAST TAMAKI ROAD	4	3	5	7	0	19	14	32	47	\$703,047
SH 1S	280 S CLAPHAM ROAD	2	1	1	1	2	7	0	29	29	\$695,800
SH 16	MURIWAI ROAD	6	0	0	5	4	15	9	7	20	\$693,102
SH 1S EVANS	WAI-ITI ROAD	5	3	5	6	2	21	15	14	24	\$684,931
SH 1N	SH 1B	0	6	4	4	4	18	13	33	33	\$673,418
SH 1N	1500 S EAST TAMAKI OBR	1	1	3	3	2	10	4	20	30	\$667,326
SH 1N	350 N SCHISKA ROAD	2	0	1	3	3	9	3	67	33	\$663,787
SH 1S	10 E SH 6	2	3	6	6	4	21	16	24	43	\$660,991
GRANDE VUE ROAD	MANUREWA ON NBD	3	8	3	2	3	19	13	32	32	\$654,772
FRANKTON ROAD	SH 6A	4	4	3	5	4	20	15	60	15	\$653,117
SH 1N	TAINUI BRIDGE ROAD	4	4	4	3	3	18	12	33	33	\$649,119
SH 29	10 N SPUR AVENUE	0	5	5	3	4	17	12	18	24	\$641,841
SH 1N	GOA ST	4	3	1	6	1	15	9	53	20	\$641,107
SH 21	TAMAHERE ON NBD	3	2	4	0	1	10	5	70	80	\$638,955
SH 1N	WHAU VALLEY ROAD	2	5	2	6	6	21	16	24	5	\$626,839
SH 1S	FLEMING ROAD	2	1	1	1	2	7	1	43	57	\$625,554
SH 1S	DUNDAS ST	4	3	2	4	2	15	9	13	33	\$622,736
SH 87	GLADSTONE ROAD SOUTH	5	4	2	1	2	14	8	7	21	\$616,532
SH 1N	DUKE ST	3	5	1	5	2	16	10	25	13	\$607,514
SH 1N	STORY PLACE	1	4	3	8	3	19	14	11	11	\$607,421
SH 2	800 S MOONSHINE HILL ROAD	1	0	3	2	2	8	2	13	50	\$605,654
SH 27	HORRELL ROAD	2	1	1	3	2	9	4	33	11	\$595,501
SH 1N BUCKLE	TASMAN ST	4	1	4	7	1	17	11	24	18	\$595,473
SH 2	1500 S RIMUTAKA SUM	1	1	0	3	4	9	4	67	11	\$592,744
SH 73 BROUGHAM	MONTREAL ST	4	6	4	2	2	18	13	17	11	\$578,164
SH 6	GALA ST	4	4	3	0	5	16	11	31	44	\$577,536
SH 12	HOKIANGA ROAD	2	2	3	2	2	11	4	18	18	\$566,634
SH 1N	PRINCESS ST	3	3	2	4	5	17	12	35	35	\$566,547
SH 2	TOPAZ ST	2	4	1	1	0	8	3	25	50	\$564,645
SH 1N	30 E WEST PORTAL	0	4	4	3	1	12	5	17	58	\$558,292
SH 16	PARNELL RISE	0	3	3	5	5	16	11	13	38	\$547,393
SH 45	CALVERT ROAD	5	3	1	2	4	15	10	27	7	\$541,226
OTEHA VALLEY ROAD	OTEHA VALLEY ON SBD	1	3	3	7	1	15	10	13	13	\$531,784
SH 1N	APOTU ROAD	1	1	2	2	1	7	2	29	29	\$518,072
SH 6	WEST PLAINS ROAD	2	1	2	1	2	8	2	38	13	\$497,454
SH 2	590 S AWATOTO ROAD	2	2	0	1	1	6	1	17	17	\$494,336
SH 1S	WHITEROCKS ROAD	0	1	1	3	0	5	0	20	40	\$486,080
SH 1S	50 N ARUNDEL ST	0	3	1	2	1	7	1	14	0	\$484,370
SH 54	KIMBOLTON ROAD	2	5	1	3	2	13	8	8	15	\$481,642
SH 88	FREDERICK ST	2	1	3	2	2	10	5	0	10	\$476,524
SH 1N	750 S ROSS ROAD	1	0	2	1	2	6	1	50	17	\$469,917
SH 73 OPAWA	PORT HILLS ROAD	1	4	1	2	3	11	6	9	9	\$458,846
SH 1N	HIGH ST	2	0	2	1	6	11	6	9	18	\$445,754
SH 1N	NGAWAKA ROAD	0	1	1	1	2	5	0	40	80	\$432,180
SH 74 MAIN NORTH	PRESTONS ROAD	3	1	3	1	1	9	4	22	33	\$427,314
SH 74 MAIN NORTH	RADCLIFFE ROAD	1	2	3	2	1	9	4	11	33	\$423,014

**Table 9.3: State Highway
 Urban and Rural Black Spot List
 (Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres
 Rural Site Radius = 250 metres**
Sites with 5 or more injury crashes or more than \$1500000 in social costs

CRASH ROAD	SIDE ROAD	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet	Dark	Crash Costs
									Crash %	Crash %	
SH 87	INGLIS ST	1	1	0	3	2	7	2	29	0	\$420,054
SH 45	BAYLY ROAD	1	2	2	1	1	7	2	29	29	\$396,042
SH 1N	100 S QUEEN ST EAST	1	1	1	1	4	8	3	0	0	\$393,652

**Table 9.5 : State Highway Crash Sites
 with a Significant Increase in Crashes in 2009
 (Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres
 Rural Site Radius = 250 metres**

CRASH ROAD	SIDE ROAD	2004	2005	2006	2007	2008	2009	TOTAL	Non-Injury	Wet Crash %		Dark Crash %
										2004	2005	
SH 1N	I CURRAN ON NBD	40	27	28	22	32	42	191	147	23	22	
SH 1N	A SHELLY BEACH OBR	34	31	21	27	23	42	178	135	28	33	
SH 1N	500 N CURRAN ON NBD	18	25	8	19	19	30	119	95	25	24	
SH 2	I SH 58	11	13	9	9	16	18	76	58	41	21	
SH 1N	250 S EAST TAMAKI OBR	11	6	9	11	11	20	68	54	31	28	
SH 1N	I KAPITI ROAD	10	9	7	7	9	15	57	43	11	21	
SH 1N	I NORTON ROAD	7	10	11	10	2	15	55	45	24	24	
SH 1N	I UPPER HWY OFF SBD	5	5	10	11	6	17	54	44	33	15	
UPPER HWY OFF NBD	I SH 18	5	7	11	11	6	14	54	44	13	20	
SH 1N	I TAKANINI OFF NBD	9	5	8	10	7	13	52	34	27	33	
SH 1S	I ELLES ROAD	1	10	8	7	5	11	42	28	33	33	
SH 20	I MANUKAU ON SBD	5	4	5	2	9	15	40	30	18	28	
SH 1N	I NEWLANDS OFF NBD	4	5	4	9	6	11	39	31	54	23	
SH 1N	100 S ORAMS OBR	4	5	6	4	7	12	38	34	24	24	
SH 1N	I MANUKAU ON SBD	6	5	5	4	6	10	36	27	39	36	
SH 17	I GREVILLE ROAD	3	2	0	6	10	13	34	31	3	15	
SH 2	200 S PETONE ON SBD	6	2	3	5	6	9	31	27	35	19	
SH 73A	I BLENHEIM ROAD	1	2	5	7	5	8	28	22	14	7	
GREAT SOUTH ROAD	I MANUKAU OFF NBD	5	2	4	4	5	8	28	25	36	50	
SH 1N	300 S MANGAMATE CUL	1	4	2	5	6	8	26	17	77	15	
SH 1N	I RAUMATI ROAD	4	1	6	0	4	9	24	12	29	25	
MANUKAU OFF SBD	I SH 1N	4	4	4	3	1	7	23	20	22	35	
SH 29	I TAKITIMU DRIVE	3	6	2	4	1	7	23	18	13	22	
SH 2	I SH 33	3	1	0	7	1	10	22	17	18	14	
SH 16	I SLIP ROAD	3	1	2	3	6	7	22	14	36	45	
SH 2	2400 W RIMUTAKA N07 BR	1	2	5	2	5	7	22	17	68	23	
SH 17	I ALBANY HIGHWAY	6	0	0	2	6	7	21	15	24	38	
SH 1N	I TAKANINI ON NBD	3	4	2	1	2	8	20	16	35	20	
SH 16	100 E GT NORTH OBR	1	0	1	4	5	9	20	16	50	50	
SH 1N	I ONSLOW ST S	5	3	0	3	2	6	19	13	42	42	
SH 1N	I VICTORIA ST	0	0	0	9	3	7	19	9	26	47	
SH 1N	700 S MUNGAVIN OFF NBD	4	4	3	1	1	6	19	14	32	37	
SH 74	I TRAVIS ROAD	3	2	1	3	3	7	19	16	21	32	
SH 18	I LUCKENS ROAD	3	3	1	3	2	7	19	15	16	16	
SH 3	I UPPER MAIN ST	2	3	3	2	2	6	18	14	17	11	
SH 1N	50 S GREENLANE INT	4	4	1	1	2	6	18	17	28	0	
SH 1N	I ELIZABETH ST	0	3	1	4	4	6	18	16	17	11	
SH 2	A TRIG TRACK CNR	0	0	4	3	4	7	18	15	56	33	
SH 20B	I PUHINUI ON SBD	1	3	1	4	2	7	18	12	28	44	
SH 6	I MURITAI ST	1	2	4	0	1	10	18	12	0	11	
SH 29	3100 E SH 28	1	0	4	3	2	7	17	15	88	6	
SH 1N	100 S SH 2	1	0	4	3	3	6	17	13	24	6	
SH 36	I TAUMATA ROAD	1	2	3	0	3	8	17	10	59	35	
SH 1N	I SALEYARDS ROAD N	2	2	2	3	1	5	15	9	47	33	
SH 1N	I SH 3	4	2	0	2	1	6	15	10	7	20	
SH 1N	2000 N PAPAKURA ON NBD	3	2	1	2	2	5	15	8	20	33	
SH 2	I PAKIPAKI OFF NBD	0	2	1	2	4	6	15	8	33	13	
SH 3	I GREY ST	1	3	3	0	3	5	15	12	7	13	
SH 2	I OWEN ST	1	4	0	3	2	5	15	9	47	53	
SH 1N	I HALL ROAD	0	2	5	2	1	5	15	13	7	40	
SH 17	1300 N HATFIELDS BR	0	1	0	4	5	5	15	7	60	27	
SH 1N	600 N TRISTRAM OBR	2	2	4	0	1	6	15	13	40	40	

**Table 9.5 : State Highway Crash Sites
 with a Significant Increase in Crashes in 2009
 (Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres
 Rural Site Radius = 250 metres**

CRASH ROAD	SIDE ROAD	2004 2005 2006 2007 2008 2009						TOTAL	Non-Injury	Wet Crash %	Dark Crash %
		2004	2005	2006	2007	2008	2009				
SH 1N	I LOOP ROAD	1	3	2	1	2	5	14	10	29	29
SH 7	900 E MAWHERA QUAY	2	4	3	0	0	5	14	5	64	29
SH 2	I WHARAWHARA ROAD	3	1	2	2	0	6	14	10	29	14
SH 1N	I BALDRICK ROAD	2	1	1	1	3	6	14	4	57	43
SH 6	20 S BEACH ROAD	1	3	1	3	1	5	14	11	21	0
SH 1N	1000 S TAWA OFF NBD	1	4	0	2	1	6	14	9	29	43
SH 2	50 E JOCELYN ST	3	1	1	2	2	5	14	13	7	14
SH 3	I ONAERO RIVER ROAD	0	0	3	2	4	5	14	9	29	29
SH 1N	530 S SCHOLLUM ACCESS ROAD	2	0	0	4	1	6	13	7	31	38
SH 1N	250 E WHANGAE ROAD	0	1	2	3	2	5	13	11	46	38
SH 2	I TE MATAI ROAD	2	2	1	1	1	5	12	8	33	25
SH 1N	I MILL ROAD	2	1	1	0	3	5	12	11	17	25
SH 1N	500 S LOOP ROAD S	1	1	3	0	2	5	12	8	42	42
SH 50	I SH 2B	0	1	1	2	2	6	12	11	17	33
SH 20	300 S BADER OBR	1	2	2	1	1	5	12	10	33	50
SH 6	I QUARANTINE ROAD	0	1	3	1	2	5	12	11	17	58
SH 2	200 E WESTERN HUTT ON NBD	0	2	2	2	1	4	11	6	27	36
SH 36	450 N TE MATAI ROAD	0	0	1	1	1	8	11	7	27	27
SH 1N	100 N TREGOWETH LANE	1	2	0	1	2	5	11	5	27	36
SH 20B	I CAMPANA ROAD	1	1	0	2	2	5	11	6	18	45
SH 5	I BIDOIS ROAD	1	1	1	3	1	4	11	8	36	9
SH 50	I OMAHU ROAD	0	2	2	2	1	4	11	7	9	27
SH 1N	500 S MOUNTAIN ROAD	1	0	0	4	1	5	11	9	82	18
SH 2B	I TAMATEA DRIVE	1	1	1	3	1	4	11	9	0	9
SH 2	A RIMUTAKA NO5 BR	2	0	3	1	1	4	11	7	45	27
SH 1N	I WHAKAHORO ROAD	0	0	3	2	2	4	11	6	64	36
SH 3	I AIRPORT DRIVE	0	2	1	1	2	5	11	7	9	0
SH 45	I BELT ROAD	1	3	1	1	1	4	11	9	18	18
SH 3	I STONEY CREEK ROAD	1	3	1	1	1	4	11	6	0	9
SH 44	I DAWSON ST	0	2	0	2	2	4	10	8	30	10
HIGHBROOK DRIVE	I HIBROOK ON NBD	0	0	2	1	2	5	10	8	20	40
SH 2	2500 E RIMUTAKA SUMMIT	1	1	3	1	0	4	10	6	60	0
SH 29	940 S SUMMIT LOOKOUT	0	1	2	0	2	5	10	9	70	0
SH 1N	I FOREST LAKES ROAD	1	1	1	0	2	5	10	5	40	30
SH 29	600 N VALLEY VIEW ROAD	0	0	0	2	0	8	10	8	80	20
SH 20	1000 S MASSEY OBR	1	0	1	4	0	4	10	7	60	60
SH 3	100 N MIDHIRST OBR	0	0	0	2	2	6	10	9	60	40
SH 26	I SH 27	2	0	1	3	0	4	10	8	20	20
SH 6	I ESK ST	1	2	0	2	1	4	10	9	40	60
SH 6	I MAUNGATAPU ROAD	1	0	3	0	1	5	10	8	20	30
SH 1N COBHAM	I CALABAR ROAD	2	0	1	3	0	4	10	7	30	20
SH 1N	I WAYSIDE ACCESS ROAD	0	1	1	2	1	5	10	8	10	40
SH 94	I IRWELL ST	2	1	1	0	1	4	9	7	0	11
SH 57	I TURITEA ROAD	1	0	3	0	1	4	9	3	11	56
SH 39	I LAXON ROAD	1	0	3	1	0	4	9	4	33	44
MUNGAVIN AVENUE	I MUNGAVIN OFF SBD	0	2	0	1	2	4	9	7	33	89
SH 2	1500 S RIMUTAKA SUM	0	1	1	0	3	4	9	4	67	11
SH 1S	I HYDE ST	0	1	0	2	1	5	9	8	33	56
SH 16	I DON BUCK ROAD	1	2	1	1	0	4	9	8	33	56
SH 2	A HAWKES BAY AIRPORT	0	2	1	1	1	4	9	6	56	33
SH 1S	I CROSS ST	0	0	4	0	1	4	9	8	44	11
SH 14	1000 S WHATITIRI ROAD	0	3	1	1	0	4	9	5	78	33

**Table 9.5 : State Highway Crash Sites
with a Significant Increase in Crashes in 2009
(Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres
Rural Site Radius = 250 metres**

CRASH ROAD	SIDE ROAD	2004	2005	2006	2007	2008	2009	TOTAL	Non-	Wet Crash %	Dark Crash %
									Injury		
SH 30	800 E WAIMIHA ROAD	0	1	0	2	2	4	9	5	33	22
SH 16	1680 W ABEL ROAD	0	0	1	2	2	4	9	5	56	11
SH 34 KAWERAU	I SH 30	1	1	0	2	0	4	8	5	25	25
SH 5	I SH 28	0	0	2	1	1	4	8	6	0	25
SH 60	I WHARF ROAD	1	0	2	0	1	4	8	6	25	25
SH 1N	I 100 S QUEEN ST EAST	0	1	1	1	1	4	8	3	0	0
SH 1N	A THE AVENUE	0	0	0	1	2	5	8	4	38	50
SH 1S	I NEWMAN ST	0	0	2	0	1	5	8	7	0	13
SH 1N	I LINDSAY ROAD	1	1	1	0	0	5	8	4	13	63
SH 1N	50 S GILLIES OBR	0	2	0	2	0	4	8	5	25	38
SH 29	I SOLDIERS ROAD	0	1	0	2	1	4	8	5	50	13
SH 18	I MARINA VIEW DRIVE	0	0	3	0	1	4	8	6	25	63
SH 1N	I GREVILLE ON SBD	1	2	0	0	1	4	8	7	50	50
SH 1N	I DUKE ST	1	0	1	0	2	4	8	4	13	25
SH 3	I 400 N HANSENS LINE	0	0	1	1	2	3	7	4	43	71
SH 1N	300 S CHURTON PARK ON SBD	0	3	0	0	1	3	7	5	43	29
SH 78	I STAFFORD ST	1	1	1	1	0	3	7	4	14	29
SH 25	I MARY ST	1	1	1	0	0	4	7	7	0	14
SH 1S	I WOOLSHED ROAD	0	0	2	2	0	3	7	2	0	14
SH 1N	I 40 E OHAUPO ROAD	1	0	0	2	1	3	7	4	29	0
SH 44	I MORLEY ST	0	1	1	1	1	3	7	5	14	29
SH 1S	I SH 7	1	0	0	0	3	3	7	6	29	29
SH 1N	200 N PASCOE AVENUE	0	1	1	1	1	3	7	7	0	0
SH 58	200 E JAMES COOK DRIVE	0	1	0	3	0	3	7	5	43	43
SH 1N	1100 S MAUNGAKARAMEA ROAD	0	0	0	1	3	3	7	5	43	14
SH 1N	I GLENMOHR ROAD	0	1	1	0	1	4	7	6	29	43
SH 1S	I DOON ST	1	0	1	0	2	3	7	5	43	43
SH 2A	250 W TASMAN QUAY	0	0	0	3	1	3	7	6	29	57
SH 1N RUAHINE	50 N WELLINGTON ROAD	0	1	1	1	1	3	7	6	29	14
SH 60	650 N MCKEE DOMAIN ROAD	0	0	1	1	1	4	7	5	0	14
SH 2	I PAERATA RIDGE ROAD	2	0	1	0	1	3	7	3	57	0
SH 2	I NORANA ROAD	2	0	0	1	1	3	7	7	43	14
SH 29	1500 S MCLAREN FALLS ROAD	2	0	1	0	0	4	7	2	43	29
SH 7	I HURUNUI BLUFF ROAD	2	1	0	1	0	3	7	2	14	43
SH 1N	A HOROTIU FREEZING WKS	1	0	0	2	0	4	7	2	43	71
SH 2	3400 S MARCHANT ROAD	2	0	0	1	1	3	7	4	57	57
SH 1S	I BANK ST	1	0	1	0	2	3	7	6	29	29
SH 2	I TRUMAN ROAD	1	0	2	0	0	4	7	5	0	29
SH 5	600 W FITZGERALD GLADE	0	1	0	1	1	4	7	6	57	29
SH 3	400 W NELSON ST	2	1	0	1	0	3	7	5	29	14
SH 3	I KEITH ST	1	1	1	0	0	4	7	5	0	14
SH 1S	I GLADFIELD ROAD	1	2	0	1	0	3	7	3	0	29
MARAEKAKAHO ROAD	I LONGLANDS ROAD WEST	0	1	1	1	1	3	7	5	71	29
SH 3	I QUEENS ROAD	1	0	1	0	2	3	7	5	29	0
SH 14	2500 E TANGOWAHINE VALLEY ROAD	1	0	1	0	2	3	7	5	43	29
SH 1N	I FOREMAN ROAD	0	3	0	1	0	3	7	6	29	14
SH 1N	I MARTIN ST	0	1	2	1	0	3	7	6	29	43
SH 45	I TIMARU ROAD	0	0	0	4	0	3	7	2	57	57
SH 18	I UPPER HWY ON SBD	0	1	0	0	1	5	7	7	14	14
SH 2	40 E CORNISH ST	0	1	2	0	0	3	6	4	17	50
SH 6A	I MARINA DRIVE	0	1	0	0	0	5	6	4	50	33
SH 45	1000 N WATINO ROAD	1	0	0	0	2	3	6	4	83	33

**Table 9.5 : State Highway Crash Sites
 with a Significant Increase in Crashes in 2009
 (Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres
 Rural Site Radius = 250 metres**

CRASH ROAD	SIDE ROAD	2004	2005	2006	2007	2008	2009	TOTAL	Non-	Wet Crash %	Dark Crash %
									Injury		
SH 99	I THORNBURY-WAIMATUKU ROAD	0	2	0	1	0	3	6	2	0	0
SH 29	100 W TOTARA ST	0	0	2	0	0	4	6	6	0	33
SH 1N	200 E WEST PORTAL	0	0	0	1	1	4	6	4	0	50
SH 10	I PARAPARA ROAD	0	0	1	2	0	3	6	2	17	33
SH 6	I DURHAM ST	1	0	2	0	0	3	6	3	17	0
SH 1N	I ULRIC ST	0	0	2	0	0	4	6	4	50	33
SH 1S	400 S AROWHENUA STATION ROAD	0	2	0	0	1	3	6	5	0	100
SH 1S	A HIGH ST BR	2	0	0	1	0	3	6	3	17	0
SH 1S	200 N OLD BLUFF HIGHWAY	1	0	0	0	0	5	6	5	67	100
SH 29	2500 E SH 28	1	0	1	0	1	3	6	6	33	17
SH 2	1900 W PAERATA RIDGE ROAD	0	0	0	1	2	3	6	2	83	17
SH 58	I ATIAMURI CRESCENT	0	1	2	0	0	3	6	3	50	33
SH 1S	25 S PRINGLE ST	1	0	1	0	0	4	6	3	17	0
SH 1N	I SALMON ROAD	0	0	0	2	1	3	6	3	0	33
SH 1N	100 N PASCOE AVENUE	0	0	0	1	2	3	6	5	0	17
SH 1N	100 N NGAIO ROAD	0	0	1	1	1	3	6	5	0	33
SH 29	1500 E SH 28	0	0	2	0	0	4	6	5	67	0
SH 16	I TRIGG ROAD	0	0	1	2	0	3	6	3	33	50
SH 58	120 E BRADEY ROAD	2	0	0	1	0	3	6	3	50	17
SH 23	I TE MATA ROAD	0	1	2	0	0	3	6	3	0	33
SH 4	800 N TAKIRI ROAD	0	0	0	2	1	3	6	4	33	33
SH 2	1900 N WAIKARE ROAD	0	1	1	1	0	3	6	3	67	50
SH 6	230 W GENTLE ANNIE	2	0	0	0	1	3	6	3	17	50
SH 1N	400 N AIRLIE ROAD	1	0	0	1	1	3	6	6	33	50
SH 1N	300 N ST PETERS COLLEGE	1	1	0	0	1	3	6	3	0	0
STIRLING ROAD	I SH 1S	2	1	0	0	0	3	6	0	17	33
SH 14	1310 E TANGOWAHINE VALLEY ROAD	0	1	0	0	1	4	6	3	50	17
SH 1S	700 N PIGEON FLAT ROAD	0	0	2	1	0	3	6	5	17	50
BARROWCLIFFE PLACE	I WIRI STATION ROAD S	1	0	0	1	1	3	6	6	33	0
SH 1N	I WHYTE ST	1	1	1	0	0	3	6	5	0	17
SH 1N	I DOUGLAS ST	0	1	1	0	1	3	6	4	17	0
SH 2	I ARGYLL ROAD	0	2	1	0	0	3	6	3	0	17
SH 58	I JAMES COOK DRIVE	1	0	1	0	1	3	6	6	0	33
SH 73A	50 E BRYNLEY ST	0	1	0	1	1	3	6	5	33	17
SH 1S JOHNS	I CLEARWATER AVENUE	2	1	0	0	0	3	6	3	33	50
SH 1N	I REDOUBT ST	1	2	0	0	0	3	6	5	0	17
SH 17	280 N RICHARDS ROAD	0	1	0	0	2	3	6	3	50	33
SH 1N	1000 S TREGOWETH LANE	1	1	0	0	1	3	6	4	17	50
SH 1N	I MARKET ST	1	1	1	0	0	3	6	4	17	17
SH 58	1000 N SH 2	1	1	0	0	1	3	6	4	33	33
GRAFTON ON SBD	10 S GRAFTON OBR	0	1	1	0	1	3	6	5	33	33
SH 18	I GREENHITHE OFF WBD	0	0	0	0	3	3	6	3	17	67
SH 4	700 N OHURA ROAD	1	0	0	0	2	3	6	4	67	17
SH 8	2100 N DIP CRK CULVERT	1	0	0	1	0	4	6	4	0	83
SH 11	80 N RIGDEN ROAD	1	0	0	0	2	3	6	6	50	33
SH 1N	I SHOEMAKER ROAD	1	0	0	0	2	3	6	5	83	0
SH 30	50 E OWHATA ROAD	0	1	0	1	0	3	5	5	40	0
SH 25	A WAIWAWA RIV BR	0	0	1	1	0	3	5	4	0	20
SH 1N	100 S MILL ROAD	0	0	0	0	1	4	5	3	0	0
SH 1S	370 S CURRAGHS ROAD	0	1	1	0	0	3	5	3	0	20
SH 6	I WAKAMARINA ROAD	1	0	0	0	1	3	5	3	0	20
SH 2	200 S GROUNSELL CRESCENT	0	1	0	0	1	3	5	4	20	20

**Table 9.5 : State Highway Crash Sites
 with a Significant Increase in Crashes in 2009
 (Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres
 Rural Site Radius = 250 metres**

CRASH ROAD	SIDE ROAD	2004						TOTAL	Non-Injury	Wet Crash %	Dark Crash %
		2005	2006	2007	2008	2009					
SH 3	I NGATA ST	0	0	0	0	2	3	5	5	20	40
SH 7	1500 N SMITH ST	1	0	0	0	1	3	5	3	60	40
SH 2	I PARK ROAD	1	0	0	1	0	3	5	3	20	0
SH 1N	1000 N SCHOOL ROAD	1	0	0	0	1	3	5	4	60	0
SH 26	380 E ALLEN ROAD	1	0	0	1	0	3	5	3	20	20
SH 60	500 N WASHBOURN ROAD	0	0	0	1	1	3	5	3	20	20
SH 1S	I RANGIORA WOODEND ROAD	0	1	0	0	1	3	5	3	20	40
RUSSELL ST	I SH 67	1	1	0	0	0	3	5	4	20	20
SH 32	I SH 30	0	1	0	0	0	4	5	4	60	0
SH 1S	100 N ELTERWATER NO 2 BR	0	1	0	0	1	3	5	3	20	20
SH 1N	210 S GILCHRIST ST	0	0	1	1	0	3	5	3	0	60
SH 1N	I BOSHER ROAD	1	0	0	0	1	3	5	3	20	40
SH 1S	1000 N BENHAR ROAD	1	0	1	0	0	3	5	1	40	40
SH 3	100 E NARROWS ROAD	0	0	1	1	0	3	5	2	60	60
SH 25	2000 S MILL CREEK ROAD	0	0	0	0	1	4	5	3	60	20
SH 1S	100 N BLUE DUCK ROAD	0	0	0	1	1	3	5	3	80	20
SH 29	500 S CAMBRIDGE ROAD	0	1	0	0	1	3	5	5	20	60
SH 7	720 S WAIKARI VALLEY ROAD	2	0	0	0	0	3	5	2	20	60
SH 10	440 S KAPIRO ROAD	1	0	0	0	0	4	5	3	40	20
SH 34	800 W PARK ROAD	0	1	0	0	1	3	5	3	60	0
SH 3	I MIRO ST	1	0	0	0	1	3	5	4	0	40
SH 25	1850 S LIDDELL ROAD	0	0	0	1	1	3	5	4	20	60
SH 77	I PARK ST	0	0	1	0	1	3	5	3	0	20
SH 1N	580 N TAMATEA ROAD	1	0	0	0	0	4	5	1	0	60
SH 60	I RIVER ROAD	1	0	0	0	1	3	5	3	0	40
SH 3	I KETEMARAE ROAD	0	1	1	0	0	3	5	4	60	20
SH 3	100 W PARAITE ROAD	0	0	1	1	0	3	5	5	20	20
SH 30	120 E MCINTYRE AVENUE	0	0	0	1	1	3	5	3	40	60
SH 30	200 N TAMATEA ST	0	0	0	1	0	4	5	3	20	40
SH 1N	30 S HOROMATANGI ST	2	0	0	0	0	3	5	4	20	0
SH 1N	I RICHARDS ROAD	1	0	1	0	0	3	5	5	60	20
SH 2	I YORK ST	1	0	0	1	0	3	5	4	0	0
SH 1N	I SERVICE LANE	0	1	0	0	1	3	5	5	40	20
SH 25	230 N OTUTURU CRESCENT	1	0	0	0	1	3	5	4	20	0
SH 12	I VICTORIA ST E	1	0	0	0	0	3	4	3	50	0
SH 2	I HILL ROAD	0	0	0	1	0	3	4	1	25	25
SH 2	220 N NGAKOROA ROAD	0	1	0	0	0	3	4	2	25	50
SH 45	I STATE LANE	0	0	1	0	0	3	4	3	0	0
TE ATATU ROAD	I TE ATATU OFF EBD	0	0	0	1	0	3	4	2	0	25
SH 8	2950 S MT THOMAS STATION	0	0	1	0	0	3	4	1	25	25
SH 5	2740 E WAIOHOTU ROAD	0	1	0	0	0	3	4	3	0	50
SH 7	A PAHAU RIV BR	0	0	0	1	0	3	4	3	25	50
SH 2	I CAMERON ROAD	0	0	0	0	1	3	4	4	25	25
SH 6	1200 N GLADSMUIR ROAD	0	0	0	1	0	3	4	2	0	50
SH 26	I WILLOUGHBY ST	0	0	1	0	0	3	4	4	0	25
SH 6	I SH 60	0	0	1	0	0	3	4	3	25	75
SH 1N	2460 N CALLAGHAN ROAD	0	0	0	0	1	3	4	3	75	50
SH 1N	60 N MOUNT PLEASANT ROAD	0	0	0	1	0	3	4	1	25	0
SH 1S	I WOLSELEY ST	0	0	0	0	1	3	4	3	0	50
SH 2	I BOUNDARY ROAD	0	0	0	0	1	3	4	4	50	0
SH 74	50 N DANIELS ROAD	0	0	0	1	0	3	4	4	0	25
SH 1N	I PERRY ROAD	0	0	0	0	1	3	4	1	50	25

**Table 9.5 : State Highway Crash Sites
with a Significant Increase in Crashes in 2009
(Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres
Rural Site Radius = 250 metres**

CRASH ROAD	SIDE ROAD	2004 2005 2006 2007 2008 2009						TOTAL	Non-Injury	Wet Crash %	Dark Crash %
		2004	2005	2006	2007	2008	2009				
SH 27	1000 S HORRELL ROAD	0	0	0	1	0	3	4	2	25	25
SH 2	370 E CORNISH ST	0	0	0	0	1	3	4	2	0	50
SH 10	600 N SH 11	0	0	1	0	0	3	4	2	0	25
SH 1N	1800 S MATARAWA ROAD	0	0	1	0	0	3	4	3	25	25
ESMONDE ON SBD	160 S ESMONDE ROAD	0	0	0	0	1	3	4	4	75	50
SH 11	2000 E RIGDEN ROAD	0	0	0	0	1	3	4	0	50	0
SH 2	50 W INTERMEDIATE ST	0	0	0	0	1	3	4	3	0	25
SH 2	1000 E IWITEA ROAD	0	0	0	1	0	3	4	2	0	25
SH 5	I WAIMANGU ROAD	0	0	0	1	0	3	4	3	25	0
SH 94	I WILDERNESS ROAD	0	0	0	0	1	3	4	1	25	0
SH 6	I OSHANNESSY ROAD	0	0	0	0	1	3	4	2	25	25
SH 2	I CORNWALL ST	0	0	0	1	0	3	4	2	0	75
SH 74	120 W WAINONI ROAD	1	0	0	0	0	2	3	3	33	33
SH 87	70 N MURE ST	0	0	0	0	1	2	3	2	0	67
SH 7	A RIBBON STM CV	0	0	1	0	0	2	3	2	0	33
SH 1N	50 N TEIHANA ROAD	1	0	0	0	0	2	3	2	0	33
SH 1N	I MILNER ROAD	1	0	0	0	0	2	3	2	100	33
SH 2	350 N NORFOLK ROAD	1	0	0	0	0	2	3	3	67	0
SH 1N	260 N KAIWAKA MANGAWHAI ROAD	1	0	0	0	0	2	3	2	0	0
SH 7	540 S HELLS GATE	0	0	0	0	1	2	3	1	100	0
SH 1S	I MALLOCH ST	0	0	0	0	0	3	3	1	0	0
SH 1S	3450 N WAITATI VALLEY ROAD	0	0	1	0	0	2	3	2	0	33
SH 73	850 E SH 75	0	0	0	1	0	2	3	2	0	0
SH 1N	100 N WEST ROAD	0	0	0	1	0	2	3	3	67	33
SH 1S	950 S KINGS ROAD	0	1	0	0	0	2	3	1	0	0
SH 12	1000 W NGAWHA SCHOOL ROAD	0	0	0	0	1	2	3	1	33	100
SH 16	I COTESMORE WAY	0	0	0	1	0	2	3	1	0	67
SH 1S	300 S RYANS ROAD	0	0	0	0	1	2	3	3	0	33
SH 1N	590 N HEUHEU PARADE	1	0	0	0	0	2	3	3	0	0
SH 2	I EARL DRIVE	1	0	0	0	0	2	3	3	67	33
SH 30	I SH 34 MILITARY	1	0	0	0	0	2	3	3	0	0
SH 1N	600 E REREAHU AVENUE	1	0	0	0	0	2	3	1	67	33
SH 16	100 E MATUA ROAD E	1	0	0	0	0	2	3	1	33	33
SH 16	960 S PRICTOR ROAD	0	1	0	0	0	2	3	2	33	33
SH 39	950 W SAULBREY ROAD	0	1	0	0	0	2	3	2	67	33
SH 73A	50 S SYMES ROAD	0	0	0	1	0	2	3	2	0	0
SH 2	450 S POUKAWA ROAD	0	0	0	0	1	2	3	1	33	0
SH 6	1300 N BIXTER ROAD	0	0	0	0	1	2	3	0	33	33
SH 2	50 N KIWI VALLEY ROAD E	0	1	0	0	0	2	3	0	33	67
SH 30	300 E TUMOANA ROAD	0	0	0	1	0	2	3	3	33	0
SH 2	15 E ANDREW ST	0	0	1	0	0	2	3	1	33	67
SH 1S	A DEADMAN BR	0	0	0	1	0	2	3	1	0	0
SH 6	2000 W CRON ROAD	0	1	0	0	0	2	3	1	33	33
SH 6	I EYRE CREEK ROAD	1	0	0	0	0	2	3	2	0	33
SH 6	100 S ANNESBROOK DRIVE	0	0	0	0	1	2	3	3	67	33
SH 3	I RATANA ROAD	1	0	0	0	0	2	3	2	0	67
SH 12	700 E DUDDY ROAD	0	1	0	0	0	2	3	3	0	67
SH 5	3300 S WAIKITE VALLEY ROAD	0	0	0	0	0	3	3	0	67	67
SH 16	2300 N WEST COAST ROAD	0	0	1	0	0	2	3	2	33	0
SH 1N	800 N FISHER ROAD	0	0	0	0	1	2	3	3	0	0
SH 1N	350 S ORUANUI ROAD	0	0	0	0	1	2	3	1	33	67
SH 30	400 N GALATEA ROAD	0	0	0	1	0	2	3	2	0	67

**Table 9.5 : State Highway Crash Sites
 with a Significant Increase in Crashes in 2009
 (Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres
 Rural Site Radius = 250 metres**

CRASH ROAD	SIDE ROAD	2004	2005	2006	2007	2008	2009	TOTAL	Non-	Wet	Dark
									Injury	Crash %	Crash %
SH 29	1000 S MCLAREN FALLS ROAD	0	1	0	0	0	2	3	3	33	67
SH 30	100 S ANGLE ROAD	0	1	0	0	0	2	3	1	0	0
SH 2	I POUARUA ROAD NORTH	1	0	0	0	0	2	3	3	0	33
SH 6	I MALVERN AVENUE	1	0	0	0	0	2	3	2	33	33
SH 27	550 S WARDVILLE ROAD	0	1	0	0	0	2	3	2	0	33
SH 1S	I WOODEND ROAD	0	0	1	0	0	2	3	2	0	33
SH 1N	I CALLAGHAN ROAD	0	0	0	0	1	2	3	1	33	33
SH 85	I BANTRY ST	0	0	0	1	0	2	3	2	0	0
SH 3	850 N STONEY CREEK ROAD	0	1	0	0	0	2	3	3	0	0
SH 10	300 N PUKEWHAI ROAD	0	0	1	0	0	2	3	3	100	0
SH 50A	700 S OMAHU ROAD	1	0	0	0	0	2	3	3	0	0
SH 94	1580 S LYNWOOD ROAD	0	0	0	1	0	2	3	2	33	33
SH 22	280 W OIRA ROAD	0	0	0	1	0	2	3	2	33	0
SH 35	200 W HEREMA ROAD	1	0	0	0	0	2	3	1	33	0
SH 1N	980 S SH 11	0	1	0	0	0	2	3	2	33	33
SH 1S	I CLYDE ST	0	0	0	0	1	2	3	3	0	33
SH 2	I PAPAWAI ROAD	0	0	0	0	1	2	3	2	33	67
SH 25	250 S MILL ENT	0	0	0	0	1	2	3	3	0	33
SH 1N	800 S KEBBELL DRIVE	0	0	0	1	0	2	3	2	33	67
SH 44	50 E MORLEY ST	0	0	0	1	0	2	3	3	0	33
SH 25	I RICHMOND ST	0	0	1	0	0	2	3	1	33	0
SH 3	I HANSENS LINE	0	1	0	0	0	2	3	1	33	33
SH 29	500 N HANGA ROAD	1	0	0	0	0	2	3	2	33	67
SH 16	2000 S OGLE ROAD	0	0	0	0	1	2	3	0	33	67
SH 25	I MACKAY ST	0	0	0	0	1	2	3	3	33	33
SH 6	400 W EIGHTY EIGHT VALLEY ROAD	0	0	0	0	1	2	3	0	33	0
SH 57	I POTTS ROAD	0	0	1	0	0	2	3	1	33	33
SH 58	300 W BAYVIEW ROAD	0	0	1	0	0	2	3	2	0	0
SH 1N	I RUSSELL ROAD	0	0	1	0	0	2	3	3	33	67
SH 54	I NORTH ST	1	0	0	0	0	2	3	3	33	0
SH 2	200 N NORTH SHORE ROAD	1	0	0	0	0	2	3	1	0	0
SH 1N	900 S TARAKIHI ROAD	0	0	1	0	0	2	3	2	67	67
SH 3	I HILLS ROAD	0	0	1	0	0	2	3	3	33	0
SH 1N	15 N PLANTATION ROAD	0	0	0	0	1	2	3	2	33	0
SH 11	I WILLIAMS ST	0	1	0	0	0	2	3	2	67	33
SH 50A	100 S YORK ROAD	1	0	0	0	0	2	3	2	33	0
SH 18	200 W ALBANY HIGHWAY ON WBD	0	0	0	0	0	3	3	2	0	33
SH 2	20 N WILLIAMSON ROAD	0	0	0	0	1	2	3	2	0	0
LEAITY STREET	I SH 1N	0	1	0	0	0	2	3	3	33	33
SH 8	I SHANNON ST	0	0	0	0	1	2	3	2	0	33
SH 35	90 S PA ROAD	0	1	0	0	0	2	3	3	33	67
SH 1N	510 N COWAN BAY ROAD	0	0	1	0	0	2	3	3	0	67
SH 1N	1250 E MOMONA ROAD	0	0	0	0	0	3	3	2	67	33
SH 1N	520 N OAKLEIGH WHARF ROAD	0	0	0	0	0	3	3	3	0	33
SH 1S	I WHITIKER ROAD E	0	1	0	0	0	2	3	0	33	67
SH 73	A BIG SLIP CRK BR	1	0	0	0	0	2	3	1	0	33
SH 5	1190 S WAIHOTU ROAD	0	0	0	0	1	2	3	2	67	33
SH 77	I SMALLBONE DRIVE	0	0	0	0	1	2	3	2	0	0
SH 8	I ARDGOUR ROAD N	0	0	0	1	0	2	3	3	0	67
SH 3	5 W JOHNSTON ROAD	0	0	0	1	0	2	3	2	33	33
SH 10	300 S KERIKERI ROAD	0	1	0	0	0	2	3	3	33	33
SH 1S	400 N KINGS ROAD	0	1	0	0	0	2	3	2	33	100

**Table 9.5 : State Highway Crash Sites
 with a Significant Increase in Crashes in 2009
 (Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres
 Rural Site Radius = 250 metres**

CRASH ROAD	SIDE ROAD	2004 2005 2006 2007 2008 2009						TOTAL	Non-Injury	Wet Crash %	Dark Crash %
		2004	2005	2006	2007	2008	2009				
SH 1S	I BRIDGE ROAD	1	0	0	0	0	2	3	2	0	33
SH 33	I OKERE ROAD	1	0	0	0	0	2	3	2	0	33
SH 74	150 E MAIN NORTH ROAD	0	0	1	0	0	2	3	2	33	33
SH 1S	I ARTHUR ST	0	0	1	0	0	2	3	3	0	0
SH 2B	920 N PREBENSEN DRIVE	0	1	0	0	0	2	3	1	0	0
SH 2	10 N JOCELYN ST	0	0	0	0	0	3	3	1	0	33
SH 5	1000 E SH 1N	0	0	0	0	0	3	3	2	100	33
SH 25	5000 N GOLDEN VALLEY ROAD	0	0	0	0	1	2	3	3	67	33
SH 79	500 N MIDDLE VALLEY ROAD	0	0	0	0	0	3	3	2	100	0
SH 73A	20 W NGA MAHI ROAD	0	0	0	0	0	3	3	2	33	33
SH 1N	100 E WEST PORTAL	0	0	0	1	0	2	3	3	0	67
SH 6	100 S GREENS ROAD	0	0	0	0	0	3	3	2	33	67
SH 93	1170 E RANGE ROAD	0	0	0	0	0	3	3	2	0	67
SH 1N	450 N SPRINGHALL ON NBD	0	0	0	1	0	2	3	2	0	33
SH 32	6500 S ACCESS ROAD	0	0	1	0	0	2	3	2	33	33
SH 7	180 N GARVEYS CREEK ROAD	0	0	0	0	0	3	3	1	33	33
SH 1S	500 S HILLEND ROAD	0	0	0	0	1	2	3	2	33	33
SH 1S	850 S FOUR MILE CREEK ROAD	0	1	0	0	0	2	3	1	0	33
SH 2	50 W COUGHLAN ROAD	0	0	1	0	0	2	3	1	0	0
SH 36	970 S KENNEDY ROAD	0	0	0	0	0	3	3	2	67	100
SH 3	1900 S AWAKAU ROAD	1	0	0	0	0	2	3	1	67	33
SH 47	I SH 48	0	0	0	0	1	2	3	2	0	33
SH 35	100 N KOPUAROA ROAD	1	0	0	0	0	2	3	2	0	0
SH 29	650 S MCCLAREN FALLS ROAD	0	0	0	0	1	2	3	2	100	33
SH 27	900 N JAGGER ROAD	0	1	0	0	0	2	3	1	0	33
SH 25A	2480 W SH 26	0	0	0	1	0	2	3	2	33	0
SH 1N	I UNION ST	0	0	0	0	1	2	3	2	0	67
SH 25	500 N WAIHARAKEKE RIV BR	0	0	0	0	1	2	3	2	33	0
SH 1N	50 N WAIRERE DRIVE	0	0	0	0	1	2	3	2	33	33
SH 26	500 S ROBINSON ROAD	0	1	0	0	0	2	3	1	67	100
SH 17	580 S HORSESHOE BUSH ROAD	0	0	0	1	0	2	3	1	33	67
SH 2	1100 N TRIG ROAD SOUTH	1	0	0	0	0	2	3	2	33	33
SH 1N	1320 S HASSETT DRIVE	0	1	0	0	0	2	3	2	33	33
SH 1N	150 S CRAWFORD ST	0	1	0	0	0	2	3	2	0	33
SH 94	130 E KAKA CRK BR	0	1	0	0	0	2	3	2	0	0
SH 6	1000 N BRIGHTWATER ROAD	1	0	0	0	0	2	3	3	0	0
SH 23	550 E OTONGA VALLEY ROAD	0	1	0	0	0	2	3	2	0	33
SH 1S	200 W SADDLE HILL OFF	0	1	0	0	0	2	3	3	0	67
SH 2	50 S PAPATU ROAD	0	0	0	1	0	2	3	2	0	33
SH 60	80 S GREENWOOD ST	0	0	0	1	0	2	3	3	0	33
SH 12	I PORTLAND ST	0	0	0	0	1	2	3	3	33	33
SH 16	80 E ACCESS ROAD	0	1	0	0	0	2	3	2	33	0
SH 3	500 N MCFALL ROAD	0	0	0	0	1	2	3	2	100	33
SH 1S	600 N COAST ROAD	0	0	0	0	1	2	3	2	0	67
SH 35	I PITT ST	1	0	0	0	0	2	3	3	33	33
SH 2	300 E HOPELANDS ROAD	0	0	1	0	0	2	3	3	100	0
SH 1N	700 S CHURTON PARK ON SBD	1	0	0	0	0	2	3	2	100	0
SH 3	200 S SH 43	0	0	0	0	0	3	3	2	0	0
SH 1N	I NGATIRA ROAD	0	0	1	0	0	2	3	3	33	33
SH 8	I KELSO ST	0	1	0	0	0	2	3	2	0	33
SH 1S	350 S CONWAY RIV BR	0	0	0	0	1	2	3	0	0	0
SH 1N	1320 S TAWHAA ROAD	0	0	0	0	0	3	3	1	33	0

**Table 9.5 : State Highway Crash Sites
 with a Significant Increase in Crashes in 2009
 (Injury and Non-Injury Crashes)**
**Urban Site Radius = 30 metres
 Rural Site Radius = 250 metres**

CRASH ROAD	SIDE ROAD	2004						TOTAL	Non-Injury	Wet Crash %	Dark Crash %
		2005	2006	2007	2008	2009					
SH 20	100 N DOMINION ON WBD	0	0	0	0	0	3	3	1	33	67
SH 79	I BENNETT ROAD	0	0	0	0	1	2	3	1	0	0
SH 2	I HUIA ST	0	0	0	0	1	2	3	2	33	33
GREVILLE ROAD	I GREVILLE OFF SBD	0	0	0	0	1	2	3	2	67	0
SH 1S	500 N CHANEYS ON RAMP	0	1	0	0	0	2	3	1	0	100
SH 2	200 N WAITANGI ROAD	0	1	0	0	0	2	3	1	33	33
SH 25	1500 S TE KOUMA ROAD	0	1	0	0	0	2	3	2	33	0
SH 1N	300 N ORUANUI ROAD	1	0	0	0	0	2	3	2	0	67
SH 6	550 S EDENS ROAD	0	1	0	0	0	2	3	2	0	33
SH 8	150 S CLUDEN HILL ROAD	0	0	1	0	0	2	3	1	33	33
SH 2	450 N PUTORINO STATION ROAD	0	0	0	1	0	2	3	0	0	33
SH 63	350 W KORERE-TOPHOUSE ROAD	0	0	0	1	0	2	3	0	0	0
SH 23	15 W HAWK ST	0	0	0	0	1	2	3	1	33	0
SH 88	270 S ST LEONARDS DRIVE	0	0	0	0	1	2	3	1	0	33
SH 4	6000 N FIELDS TRACK	0	0	0	1	0	2	3	2	33	33
SH 2	40 W STOPFORD ST	0	0	0	1	0	2	3	3	0	0
KAWARAU ROAD	I PENINSULA ROAD	0	0	0	0	0	3	3	2	33	33
SH 2	200 N JACKSON ROAD	0	1	0	0	0	2	3	2	33	33
SH 1N	I CRAWFORD ST	0	0	0	0	1	2	3	3	0	0
SLIP ROAD	I SH 1N	0	0	1	0	0	2	3	3	33	33
SH 1S	I LECKIE ST	0	0	0	0	0	3	3	1	0	0
SH 5	I POHOKURA ROAD	0	0	0	1	0	2	3	0	67	33
SH 26	I FIRST AVENUE	0	0	0	0	1	2	3	2	0	67
SH 30	540 N SANDEL ROAD	0	0	1	0	0	2	3	3	33	67
SH 29	150 S SH 2	0	0	1	0	0	2	3	2	0	67
SH 1S	I BLYTH ST	1	0	0	0	0	2	3	2	33	67
SH 1S	500 S SPRINGBANK ROAD	1	0	0	0	0	2	3	1	0	33
SH 5	1580 N ARATIATIA ROAD	0	1	0	0	0	2	3	2	0	67
SH 1S VINE	I WAITOHI TEMUKA ROAD	0	1	0	0	0	2	3	2	0	0
SH 1N	40 N KAPITI ROAD	0	0	0	0	1	2	3	3	0	0
SH 39	300 N SAULBREY ROAD	0	0	0	0	0	3	3	2	100	67
SH 47	4020 W SH 41	0	0	1	0	0	2	3	1	0	0
SH 2	5 E RANGIURU ROAD	0	0	0	1	0	2	3	2	33	0
SH 1S	300 N WATERLOO ROAD	0	1	0	0	0	2	3	2	0	0
SH 96	960 E SPRINGHILLS-TUSSOCK CREEK	0	0	0	0	1	2	3	0	33	67
SH 12	4000 N BABYLON COAST ROAD	0	0	0	0	1	2	3	2	0	0
SH 1S	950 E HANKEY ROAD	0	0	1	0	0	2	3	2	67	33
SH 6	2000 N GLADSMUIR ROAD	0	0	0	0	0	3	3	3	0	33
SH 3	2350 E AWAKINO TUNNEL	0	1	0	0	0	2	3	2	100	0
SH 25	1000 N WHIRITOA BEACH ROAD	0	0	1	0	0	2	3	3	0	67
SH 1S	I GREEN POINT ROAD	0	1	0	0	0	2	3	1	33	33
SH 1S	320 N JOHNSTON ST	0	0	1	0	0	2	3	1	67	33
SH 8	1800 N TIMBURN ROAD	0	0	0	0	0	3	3	1	67	67
SH 2	30 N RENALL ST	1	0	0	0	0	2	3	2	33	0
SH 16	80 S HUTCHINSON ROAD	0	0	0	0	0	3	3	2	33	33
SH 27	A SH 27	0	1	0	0	0	2	3	1	33	33
SH 1N	I MANGAWHAI ROAD	0	0	0	0	1	2	3	0	67	67

appendix

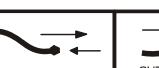
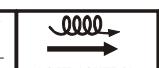
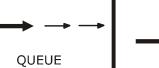
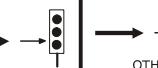
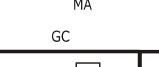
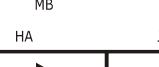
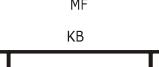
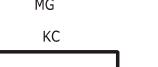
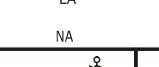
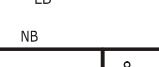
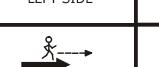
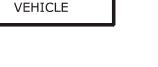
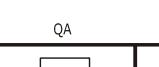
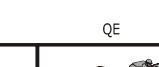
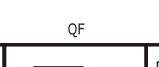


- Groupings of crash types
- Grouping of contributing factors
- General factor list
- General movement types

Explanatory notes for the appendix

1. Each traffic crash report has a diagram and a description of what happened. These are used to classify the movements the vehicles were making when they crashed eg 'collided with parked vehicle', or 'lost control while overtaking'. In this report, crash types are grouped into seven categories. The following page shows the types of crashes which are included in each group.
2. Traffic crash reports also include information on why the crash occurred, or on factors contributing to the crash. In this report the hundreds of contributing factor codes used by New Zealand Transport Agency have been condensed into 16 groups for practical reasons. Lists of the factor groups used in this report, and of all the contributing factors used by New Zealand Transport Agency, are shown on the following pages.
3. Note that in the year 2000 there were some minor changes to the contributing factor groups. The most significant change was that 'inattention' was grouped with 'inadequate check' to form 'poor observation'. This allowed a more accurate assessment of 'fatigue' as a contributing factor, as it now has its own grouping.
4. The factor group 'poor handling' includes factor codes that were only introduced in 1998. This could explain why there may have been a sudden change at this time.
5. The coding of the factors contributing to a crash is subjective. Therefore analysis using contributing factor groups needs to be interpreted with caution. Also, to effectively target safety or enforcement campaigns more analysis of the specific contributing factors involved may be needed.
6. It should be noted that a traffic crash generally has more than one contributing factor. Therefore, adding the number of crashes on graphs showing the number of crashes with a given factor or factor group will be greater than the total number of crashes in the city or district.

Groupings of crash types

	AA	AB	AC	AD	AE	AF	AG
Overtaking	 PULLING OUT OR CHANGING LANE TO RIGHT	 HEAD ON	 CUTTING IN OR CHANGING LANE TO LEFT	 LOST CONTROL (OVERTAKING VEHICLE)	 SIDE ROAD	 LOST CONTROL (OVERTAKEN VEHICLE)	 WEAVING IN HEAVY TRAFFIC
	 OVERTAKING VEHICLE	 LEFT SIDE SIDE SWIPE					
Straight - Lost control / Head on	GE	GB					
	 ON STRAIGHT	 OUT OF CONTROL ON ROADWAY	 OFF ROADWAY TO LEFT	 OFF ROADWAY TO RIGHT	 LOST CONTROL ON STRAIGHT		
Bend - Lost control / Head on	DA	DB	DC	BB	BC	BD	BF
	 LOST CONTROL TURNING RIGHT	 LOST CONTROL TURNING LEFT	 MISSED INTERSECTION OR END OF ROAD	 CUTTING CORNER	 SWINGING WIDE	 BOTH OR UNKNOWN	 LOST CONTROL ON CURVE
Rear end / Obstruction	EA	EB	EC	ED	EE	FA	FB
	 PARKED VEHICLE	 ACCIDENT OR BROKEN DOWN	 NON VEHICULAR OBSTRUCTIONS (INCLUDING ANIMALS)	 WORKMANS VEHICLE	 OPENING DOOR	 SLOWER VEHICLE	 CROSS TRAFFIC
Crossing / Turning	FC	FD	FE	FF	GA	GD	GF
	 PEDESTRIAN	 QUEUE	 SIGNALS	 OTHER	 REAR OF LEFT TURNING VEHICLE	 NEAR CENTRE LINE	 TWO TURNING
Pedestrian vs Vehicle	MA	MB	MC	MD	ME	MF	MG
	 STOPPED OR TURNING FROM LEFT SIDE	 RIGHT ANGLE (70° TO 110°)	 RIGHT TURN RIGHT SIDE	 TWO TURNING	 LEFT TURN IN	 RIGHT TURN IN	 TWO TURNING
Miscellaneous	GC	HA	JA	JC	KA	KB	KC
	 STOPPED WAITING TO TURN	 MAKING TURN					
Miscellaneous	LA	LB					
	 LEFT SIDE	 RIGHT SIDE	 LEFT TURN LEFT SIDE	 RIGHT TURN RIGHT SIDE	 LEFT TURN RIGHT SIDE	 RIGHT TURN LEFT SIDE	 MANOEUVRING VEHICLE
Miscellaneous	NA	NB	NC	ND	NE	NF	NG
	 WALKING WITH TRAFFIC	 WALKING FACING TRAFFIC	 WALKING ON FOOTPATH	 CHILD PLAYING (TRICYCLE)	 ATTENDING TO VEHICLE	 ENTERING OR LEAVING VEHICLE	
Miscellaneous	PA	PB	PC	PD	PE	PF	
	 FELL WHILE BOARDING OR ALIGHTING	 FELL FROM MOVING VEHICLE	 TRAIN	 PARKED VEHICLE RAN AWAY	 EQUESTRIAN	 FELL INSIDE VEHICLE	 TRAILER OR LOAD

Groupings of contributing factors

Factor group	Factor codes included
Alcohol involved	100 – 101 103 – 109
Too fast	110 – 119 430 – 432
Failed to give way or stop	300 – 314 320 – 328
Failed to keep left	120 – 128 205
Overtaking	150 – 161
Incorrect lanes or position	129 170 – 183 200 – 204 206 – 209 440 – 448
Poor handling	130 – 134 137 – 149 420 – 429
Poor observation	330 – 360 370 – 379
Poor judgement	380 – 387 400 – 407
Fatigue	410 – 415
Disabled, old age or illness	500 – 507
Pedestrian factors	700 – 731
Cyclist factors	Any factor coded against a cyclist
Vehicle factors	136, 600 – 699
Road factors	135, 800 – 899
Weather	900 – 909

Note:

The following factor codes are not included as they do not fit adequately into any of the above groupings: 102, 106, 190–198, 433, 434, 510–534 and 910–999.



VEHICLE MOVEMENT CODING SHEET

For use with crash data from CAS (Version 2.8 May 2010)

TYPE	A	B	C	D	E	F	G	O
A	OVERTAKING AND LANE CHANGE							
B	HEAD ON							OTHER
C	LOST CONTROL OR OFF ROAD (STRAIGHT ROADS)							OTHER
D	CORNERING							OTHER
E	COLLISION WITH OBSTRUCTION							OTHER
F	REAR END							OTHER
G	TURNING VERSUS SAME DIRECTION							OTHER
H	CROSSING (NO TURNS)							OTHER
J	CROSSING (VEHICLE TURNING)							OTHER
K	MERGING							OTHER
L	RIGHT TURN AGAINST							OTHER
M	MANOEUVRING							
N	PEDESTRIANS CROSSING ROAD							
P	PEDESTRIANS OTHER							OTHER
Q	MISCELLANEOUS							

* = Movement applies for left and right hand bends, curves or turns

FACTORS PROBABLY CONTRIBUTING TO CRASHES (Version 1.8- 2 November 2009)

DRIVER CONTROL

100 Alcohol or drugs

- 101 Alcohol suspected
- 102 Alcohol test below limit
- 103 Alcohol test above limit or test refused
- 104 Alcohol test result unknown
- 105 Intoxicated non-driver (pedestrian / cyclist / passenger)**
- 106 (MOT only) dead driver not suspect, tested neg
- 107
- 108 Drugs suspected
- 109 Drugs proven

110 Too fast for conditions

- 111 Cornering
- 112 On straight
- 113 To give way at intersection
- 114 Approaching railway crossing
- 115 When passing stationary school bus
- 116 At temporary speed limit
- 117 At crash or emergency

120 Failed to keep left

- 121 Swung wide on bend
- 122 Swung wide at intersection
- 123 Cutting corner on bend
- 124 Cutting corner at intersection
- 125 On straight section
- 126 Vehicle crossed raised median
- 127 Driving or riding abreast (cyclists more than 2 abreast)
- 128 Wandering or wobbling
- 129 Too far left / right

130 Lost control

- 131 When turning
- 132 Under heavy braking
- 133 Under heavy acceleration
- 134 While returning to seal from unsealed shoulder
- 135 Due to road conditions (requires road series code)
- 136 Due to vehicle fault (requires vehicle series code)
- 137 Avoiding another vehicle, pedestrian, party or obstacle on roadway
- 138 On unsealed road
- 139 End of seal

140 Failed to signal in time

- 141 When moving to left, pulling over to left
- 142 When turning left
- 143 When pulling out or moving to the right
- 144 When turning right
- 145 Incorrect Signal

150 Overtaking

- 151 Overtaking line of traffic or queue
- 152 Deliberately in the face of oncoming traffic
- 153 Failed to notice oncoming traffic
- 154 Misjudged speed or distance of oncoming traffic
- 155 At no passing line
- 156 With insufficient visibility
- 157 At an intersection without due care
- 158 On left without due care
- 159 Cut in after overtaking
- 160 Vehicle signalling right turn
- 161 Without care at a pedestrian crossing

170 Wrong lane or turned from wrong position

- 171 Turned right from incorrect lane
- 172 Turned left from incorrect lane
- 173 Travelled straight ahead from turning lane or flush median
- 174 Turned right from left side of road
- 175 Turned left from near centre line
- 176 Turned into incorrect lane
- 177 Weaving or cut in on multi-lane roads
- 178 Moved left to avoid slow vehicle
- 179 Long vehicle tracked outside lane**

180 In line of traffic

- 181 Following too closely
- 182 Travelling unreasonably slowly
- 183 Motorist crowded cyclist
- 184 Incorrect merging /diverging manoeuvre

190 Sudden action

- 191 Braked
- 192 Turned left
- 193 Turned right
- 194 Swerved to avoid pedestrian
- 195 Swerved to avoid animal
- 196 Swerved to avoid crash or broken down vehicle
- 197 Swerved to avoid vehicle
- 198 Swerved to avoid object or for unknown reason
- 199 Avoiding approaching emergency vehicle**

200 Forbidden movements

- 201 Wrong way in one way street, motorway or roundabout
- 202 When turning or U turning contrary to a sign
- 203 Contrary to "in" or "out" only driveway sign
- 204 Driving or riding on footpath
- 205 On incorrect side of island or median
- 206 Contrary to "no entry" sign
- 207 In Car Park
- 208 Motor vehicle in cycle lane
- 209 Bus / Transit lane
- 210 Cyclist riding on ped-xing / ped signals

VEHICLE CONFLICTS

300 Failed to give way

- 301 At Stop sign
- 302 At Give Way sign
- 303 When turning to non-turning traffic
- 304 When deemed turning by markings, not geometry
- 305 When turning left, to opposing right turning traffic
- 306 To pedestrian on a crossing
- 307 When turning at signals to pedestrians
- 308 When entering roadway from driveway
- 309 To traffic approaching or crossing from the right
- 310 Failed to give way at one lane bridge / road
- 311 Failed to give way to pedestrian on footpath or verge
- 312 Entering roadway not from driveway or intersection
- 313 To emergency vehicle
- 314 Driver waved through

320 Did not stop

- 321 At stop sign
- 322 At steady red light
- 323 At steady red arrow
- 324 At steady amber light
- 325 At steady amber arrow
- 326 At flashing red lights (Rail Xing, Fire Stn etc)
- 327 For police or flag-person
- 328 For school patrol / kea crossing

330 Inattentive: failed to notice

- 331 **Vehicle** slowing, stopping or **stationary** in front
- 332 Bend in road
- 333 Indication of vehicle in front
- 334 Traffic lights
- 335 Intersection or its Stop / Give Way control
- 336 Other regulatory sign / markings
- 337 Warning sign
- 338 Direction, information signs / markings
- 339 Road-works signs
- 340 Lane use arrows / markings?
- 341 Obstructions on Roadway

350 Attention diverted by:

- 351 Passengers
- 352 Scenery or persons outside vehicle
- 353 Other traffic
- 354 Animal or insect in vehicle
- 355 Trying to find intersection, house number, destination
- 356 Advertising or signs
- 357 Emotionally upset /road rage
- 358 Cigarette, radio, **heater, AC**, glove box, obj under drivers feet/pedals etc
- 359 Cell phone**
- 360**
- 361 Navigation device**
- 362 CB radio/ non cell comms device**
- 363 Driver dazzled**

370 Did not see or look for another party until too late

- 371 Behind when reversing / manoeuvring
- 372 Behind when changing lanes position or direction (includes U-turns)
- 373 Behind when pulling out from parked position
- 374 Behind when opening door or leaving vehicle
- 375 When required to give way to traffic from another direction
- 376 When required to give way to pedestrians.
- 377 When visibility obstructed by other vehicles
- 378 When visibility limited by roadside features
- 379 When first in queue on receiving green light

380 Misjudged speed, distance, size or position of:

- 381 Other vehicle coming from behind or alongside
- 382 Other vehicle coming from another direction with right of way
- 383 Pedestrian movement or intention
- 384 Towed vehicle, or while towing a vehicle
- 385 Size or position of fixed object or obstacle
- 386 Of own vehicle
- 387 Misjudged intentions of another party

GENERAL DRIVER

400 Inexperience

- 401 In driving in fast, complex or heavy traffic
- 402 New driver showed inexperience
- 403 Driving unfamiliar vehicle
- 404 Overseas / migrant driver fails to adjust to NZ road rules and road conditions**
- 405 Driver under instruction
- 406 At towing trailer / other vehicle
- 407 Driver over-reacted
- 408 Unsupervised cyclist

410 Fatigue (drowsy, tired, fell asleep)

- 411 Long trip
- 412 Lack of sleep
- 413 Exhaust fumes
- 414 Worked long hours before driving
- 415 Exceeded driving hours

420 Incorrect use of vehicle controls

- 421 Started in gear
- 422 Stalled engine
- 423 Wrong pedal
- 424 Footrest, stand
- 425 Ignition turned off (steering locked)
- 426 Lights not switched on
- 427 Foot slipped or caught under pedal
- 428 Parking brake not fully applied
- 429 Trailer coupling or safety chain not secured

430 Showing off

- 431 Racing
- 432 Playing chicken
- 433 Wheel spins / wheelies / doughnuts / **drifting**
- 434 Intimidating driving

440 Parked or stopped

- 441 Inadequately lit at night: (not lit by street lights or park lights off)
- 442 At point of limited visibility
- 443 Not as close as practicable to side of road
- 444 On incorrect side of road
- 445 Double parked
- 446 In 'No Stopping' area
- 447 Not clear of rail crossing
- 448 In cycle or Transit lane

GENERAL PERSON

500 Illness and disability

- 501 Illness with no warning e.g. heart attack, unexpected epilepsy)
- 502 Physically disabled
- 503 Defective vision
- 504 Medical illness (not sudden) flu, diabetes
- 505 Mental illness (depression, psychosis)
- 506 Suicidal (but not successful)
- 507 Impaired ability due to old age

510 Intentional or criminal

- 511 Deliberate homicide (only if succeeded)
- 512 Intentional collision
- 513 Committed suicide (only if succeeded)
- 514 Evading enforcement
- 515 Object deliberately thrown at or dropped on vehicle / shot at
- 516 Object thrown from vehicle
- 517 Stolen vehicle

520 Driver or passenger, boarding, leaving , in vehicle

- 521 Boarding moving vehicle
- 522 Intentionally leaving moving vehicle
- 523 Riding in insecure position
- 524 Interfered with driver
- 525 Opened door inadvertently
- 526 Overloaded vehicle (with passengers)
- 527 Child playing in parked vehicle

530 Miscellaneous person

- 531 Casualty drowned
- 532 Casualty thrown from vehicle
- 533 Equestrian not keeping to verge
- 534 Cyclist or M/cyclist wearing dark clothing

VEHICLES

600 Lights and reflectors at fault or dirty

- 601 Dazzling headlights
- 602 Headlights inadequate or no headlights
- 603 Headlights failed suddenly
- 604 Brake-lights or indicators faulty or not fitted
- 605 Tail-lights inadequate or no tail-lights
- 606 Reflectors inadequate or no reflectors
- 607 Lights or reflectors obscured

610 Brakes

- 611 Parking brake failed
- 612 Parking brake defective
- 613 Service brake failed
- 614 Service brake defective
- 615 Jack-knifed

620 Steering

- 621 Defective
- 622 Failed suddenly

630 Tyres

- 631 Puncture or blow-out
- 632 Worn tread on tyre
- 633 Incorrect tyre type
- 634 Mixed treads / space savers

640 Windscreen or mirror

- 641 Shattered windscreen
- 642 Windscreen or rear window dirty
- 643 Rear vision mirror not adjusted correctly
- 644 No rear vision mirror
- 645 Windscreen or rear window misted/frosted
- 646 Inadequate or no sun-visors
- 647 Inadequate or no windscreen wipers
- 648 Cycle / Motorcycle visor, glasses, goggles or screen

650 Mechanical

- 651 Engine failure
- 652 Transmission failure (including chains and gears)
- 653 Accelerator or throttle jammed

660 Body or chassis

- 661 Body, chassis or frame (cycle, m/c) failure
- 662 Suspension failure
- 663 Failure of door catch or door not shut
- 664 Inadequate mudguards
- 665 Inadequate tow coupling
- 666 Inadequate or no safety chain
- 667 Bonnet catch failed
- 668 Wheel off
- 669 Broken axle
- 670 Inconspicuous colour
- 671 Blind spot
- 672 Seat belt / restraint failed
- 673 Air-bag failed to inflate (fully)

680 Load

- 681 Load interferes with driver
- 682 Not well secured or load moved
- 683 Over-hanging
- 684 Load obscured vision
- 685 Excess dimensions not adequately indicated
- 686 Over dimension vehicle or load
- 687 Load too heavy
- 688 Towed vehicle or trailer too heavy or incompatible

690 Miscellaneous vehicle

- 691 Emergency Vehicle attending emergency
- 692 Vehicle caught fire
- 693 Being towed
- 694 Air-bag contributed to crash or injury
- 695 Seatbelt / restraint absent or unusable
- 696 Dangerous goods

PEDESTRIANS

700 Walking along road

- 701 Not keeping to footpath
- 702 Not keeping to side of road
- 703 Not facing oncoming traffic
- 704 Not on outside of blind curve
- 705 Wheeled ped inconsiderate or dangerous on footpath

710 Crossing road

- 711 Walking heedless of traffic
- 712 Stepping out from behind vehicles
- 713 Running heedless of traffic
- 714 Failed to use pedestrian crossing when one within 20 metres
- 715 Waiting on roadway for moving traffic
- 716 Confused by traffic or stepped back
- 717 Suddenly stepped onto pedestrian crossing
- 718 Not complying with traffic signals or school patrols
- 719 Misjudged speed and / or distance of vehicle

720 Miscellaneous

- 721 Pushing, working on or unloading vehicle
- 722 Playing on road or unnecessarily on road
- 723 Working on road
- 724 Wearing dark clothing
- 725 Vision obscured by umbrella or clothing
- 726 Child escaped from supervision
- 727 Unsupervised child
- 728 Sitting / lying on road
- 729 Pedestrian to /from school bus
- 730 Pedestrian behind reversing / manoeuvring vehicle
- 731 Overseas pedestrian
- 732 Pedestrian attention diverted eg cigarette, cell phone, music player

ROAD

800 Slippery

- 801 Rain
- 802 Frost or ice
- 803 Snow or hail
- 804 Loose material on seal
- 805 Mud
- 806 Oil / Diesel / Fuel
- 807 Painted markings
- 808 Recently graded
- 809 Surface bleeding / defective

810 Surface

- 811 Potholed
- 812 Uneven
- 813 Deep loose metal
- 814 High crown
- 815 Curve not well banked
- 816 Edge badly defined or gave way
- 817 Under construction or maintenance
- 818 Unusually narrow
- 819 Broken glass

820 Obstructed

- 821 Fallen tree or branch
- 822 Slip or subsidence
- 823 Flood waters, large puddles, ford
- 824 Road works not adequately lighted
- 825 Road works not adequately signposted
- 826 Roadside object fell on vehicle
- 827 Object flicked up by vehicle

830 Visibility limited

- 831 Curve
- 832 Crest
- 833 Building
- 834 Trees
- 835 Hedge or fence
- 836 Scrub or long grass
- 837 Bank
- 838 Temporary obstruction, dust or smoke
- 839 Parked vehicle

840 Signs and signals

- 841 Damaged, removed or malfunction
- 842 Badly located
- 843 Ineffective or inadequate
- 844 Necessary
- 845 Signals turned off

850 Markings

- 851 Faded
- 852 Difficult to see under weather conditions
- 853 Markings necessary
- 854 Not visible due to geometry or vehicles
- 855 Old markings not adequately removed

860 Street lighting

- 861 Failed
- 862 Inadequate
- 863 Glare on wet road
- 864 Pedestrian crossing not adequately lighted

870 Raised islands and roundabouts

- 871 Traffic island(s) difficult to see
- 872 Traffic island(s) Ineffective, badly located or designed
- 873 Cyclist squeeze point

MISCELLANEOUS

900 Weather

- 901 Heavy rain
- 902 Dazzling sun
- 903 Strong wind
- 904 Fog or mist
- 905 Snow, sleet or hail

910 Animals

- 911 Household pet rushed out or playing
- 912 Farm animal straying
- 913 Farm animal attended, but inadequate warning or unexpected
- 914 Farm animal attended, but out of control
- 915 Wild animal

920 Entering or leaving land use

- 921 Roadside stall
- 922 Service station
- 923 Specialised liquor outlet
- 924 Take away foods
- 925 Shopping complex
- 926 Car parking building / area
- 927 Other commercial
- 928 Industrial site
- 929 Private house / farm
- 930 Other non-commercial
- 931 Mobile shop or vendor

999 Unknown