



briefing notes - road safety issues

Gore District

New Zealand Transport Agency has prepared this road safety issues report. It is based on reported crash data and trends for the 2004–2008 period.

The intent of the report is to highlight the key road safety issues and be a resource to identify possible ways to reduce the number of road deaths and injuries in Gore District.

In each new report one year's data is added to a five year block and the oldest dropped so it is unlikely that the core issues would change radically from report to report.

The issues chosen for this report are drawn from either the most common crash types, those that appear over-represented when Gore District is compared to similar local bodies or those with high social cost (high numbers of fatal and serious crashes mainly).

We have included a brief overview of crashes in the district.

We encourage Gore District to use its free access to the Ministry of Transport's Crash Analysis System (CAS) to delve deeper into the highlighted issues, and other road safety issues in the District. Also the NZTA Christchurch Performance Information team is available to provide further information if required.. All data and maps in this note are from CAS.

Major road safety issues

Gore District

Bend - —Loss of control or head-on
Intersections
Young drivers

2008 road trauma

Casualties

Gore District

Deaths	5
Serious casualties	10
Minor casualties	52

Nationally

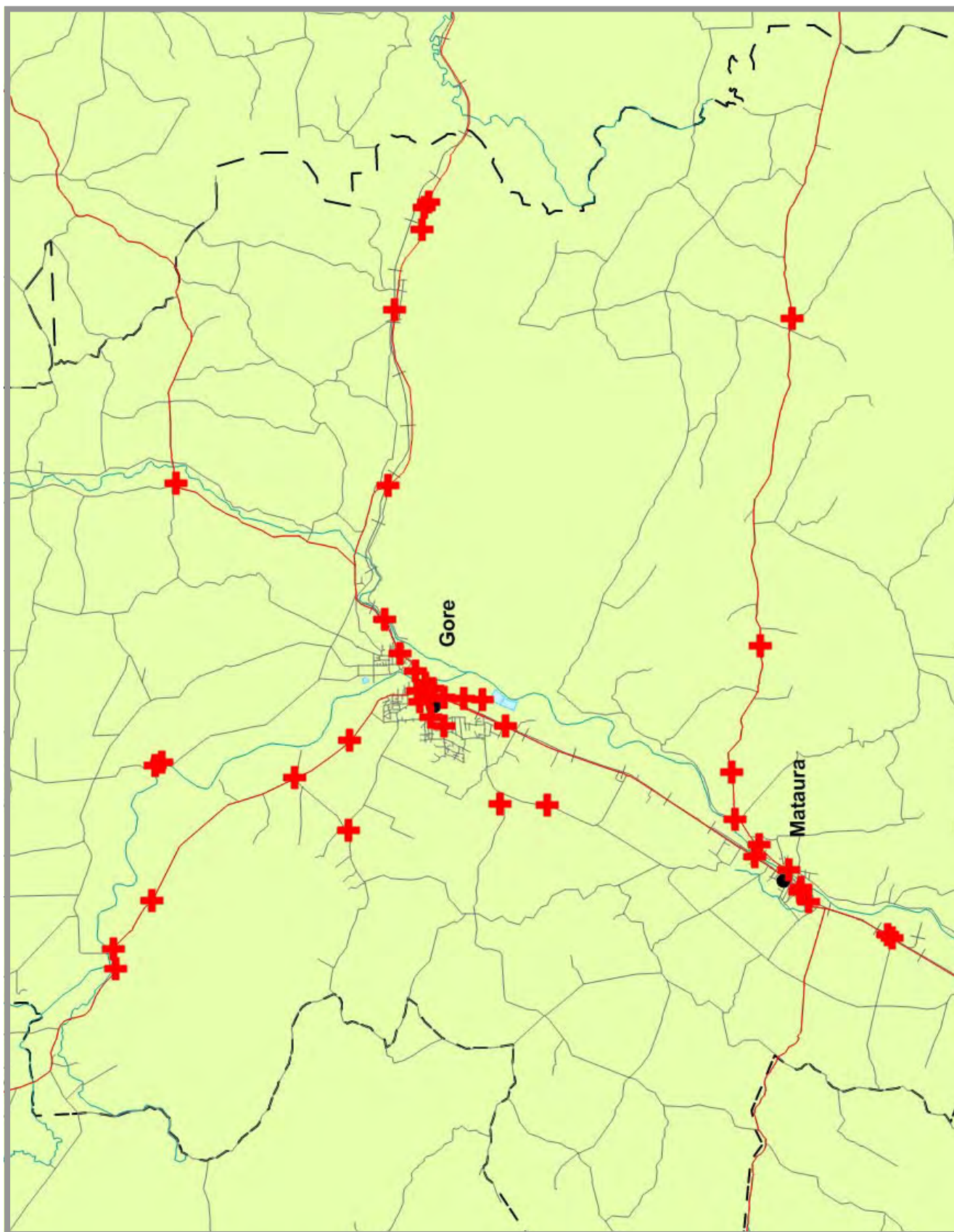
Speed
Alcohol
Failure to give way
Restraints

Crashes

Gore District

Fatal crashes	4
Serious injury crashes	9
Minor injury crashes	31
Non-injury crashes	79

Injury crashes
Gore District
2008



Overview

In 2008 on local roads in Gore District there were 16 injury crashes and 37 non-injury crashes. In addition there were 28 injury crashes and 42 non-injury crashes on State Highways both as reported by the New Zealand Police.

The table below shows the number of injuries resulting from the 44 injury crashes by rural or urban areas (rural is defined as an area with a speed limit of 80km/h or more).

Casualties by urban / rural 2008

	Fatalities	Serious injuries	Minor injuries	Total
Rural	3	4	35	42
Urban	2	6	17	25
Total	5	10	52	67

Overall almost two thirds of casualties were from crashes in rural areas of the district, but for fatal and serious casualties nearly half were in rural areas.

In 2008, the number of fatal crashes was the highest in the last ten years. There are no obvious long term trends in the crash data, but the total number has reduced from the two high years in 2002 and 2004.

Crash trends in Gore District

Year	Fatal Crashes	Serious Crashes	Minor Crashes	Total Crashes
1999	0	12	13	25
2000	0	3	15	18
2001	0	8	37	45
2002	2	12	38	52
2003	2	10	34	46
2004	2	7	42	51
2005	0	15	29	44
2006	2	7	33	42
2007	2	5	24	31
2008	4	9	31	44

Injury crashes 2004 to 2008

Crash type or contributory cause 2004 to 2008	Local road Percentage injury crashes	State Highway Percentage of injury crashes
Alcohol	12	9
Too fast	20	16
At bends	36	38
At intersections	35	23
Road factors	21	23
Young drivers (% of at fault drivers)	54	47

Vulnerable road users - casualties

Road user type	Local road Percentage of all casualties	State Highway Percentage of all casualties
Pedestrians	7	3
Cyclists	7	1
Motorcycles	7	3
Total vulnerable	21	7

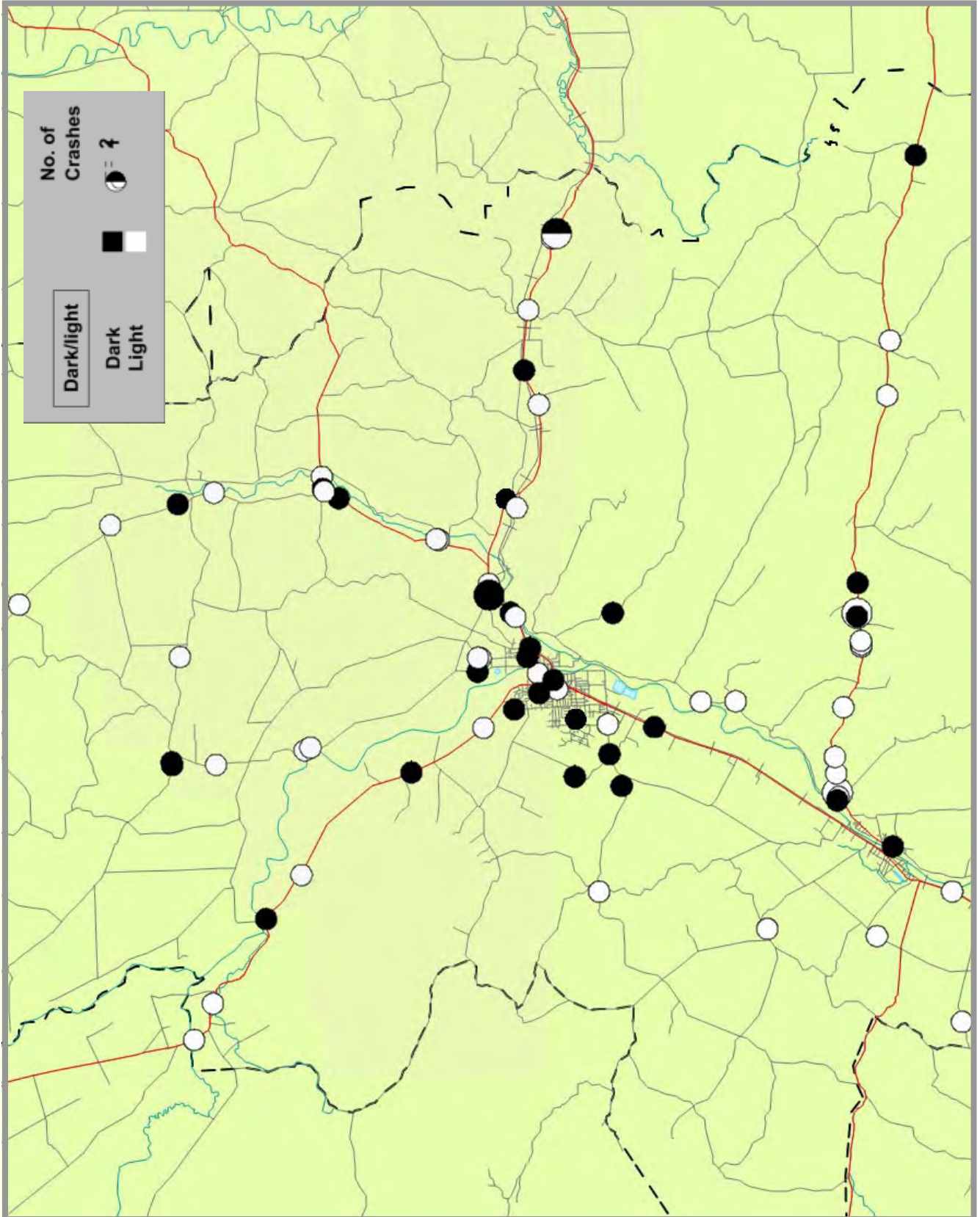
Further information about 2004 to 2008 injury crashes on local roads in Gore District :

- Worst month November
- Worst day Saturday
- 25 percent on wet or icy roads
- 39 percent at night
- 35 percent at intersections
- 62 roadside objects struck
- Social cost of crashes in 2008 \$11.2 m

Further information about 2004 to 2008 injury crashes on State Highways in Gore District :

- Worst month February
- Worst day Thursday, Friday, Saturday
- 43 percent on wet or icy roads
- 38 percent at night
- 23 percent at intersections
- 93 roadside objects struck
- Social cost of crashes in 2008 \$11.8 m

Injury bend - loss of control or head on crashes
Gore District
2004 - 2008



Bend - loss of control or head on

Between 2004 and 2008 thirty seven percent of all injury crashes in Gore District were bend - loss of control or head on crashes. These crashes resulted in one fatality, 29 serious injuries and 87 minor injuries.

There are no apparent trends in the crash numbers.

Crashes at bends 2004 to 2008				
Crash year	Fatal crashes	Serious crashes	Minor crashes	Total
2004	1	2	14	17
2005	0	7	11	18
2006	0	6	10	16
2007	0	2	8	10
2008	0	4	13	17
Total	1	21	56	78

After drivers lose control their vehicles often crash into roadside hazards such as ditches, banks, poles or trees. Hitting these objects can result in a relatively minor off-road event turning into something far more serious.

The most common roadside hazards struck in injury bend - loss of control or head on crashes in Gore District were fence (24), cliff or bank (16), and ditches (15) from a total of 87 objects struck.

Main characteristics of injury bend - lost control or head on crashes	
Crash characteristic	Percentage of crashes
Single vehicle	87
Alcohol	15
Excessive speed for the conditions	35
Road factors	36
Poor handling	64
Rural road	87
Wet or icy road	49
Night time	38

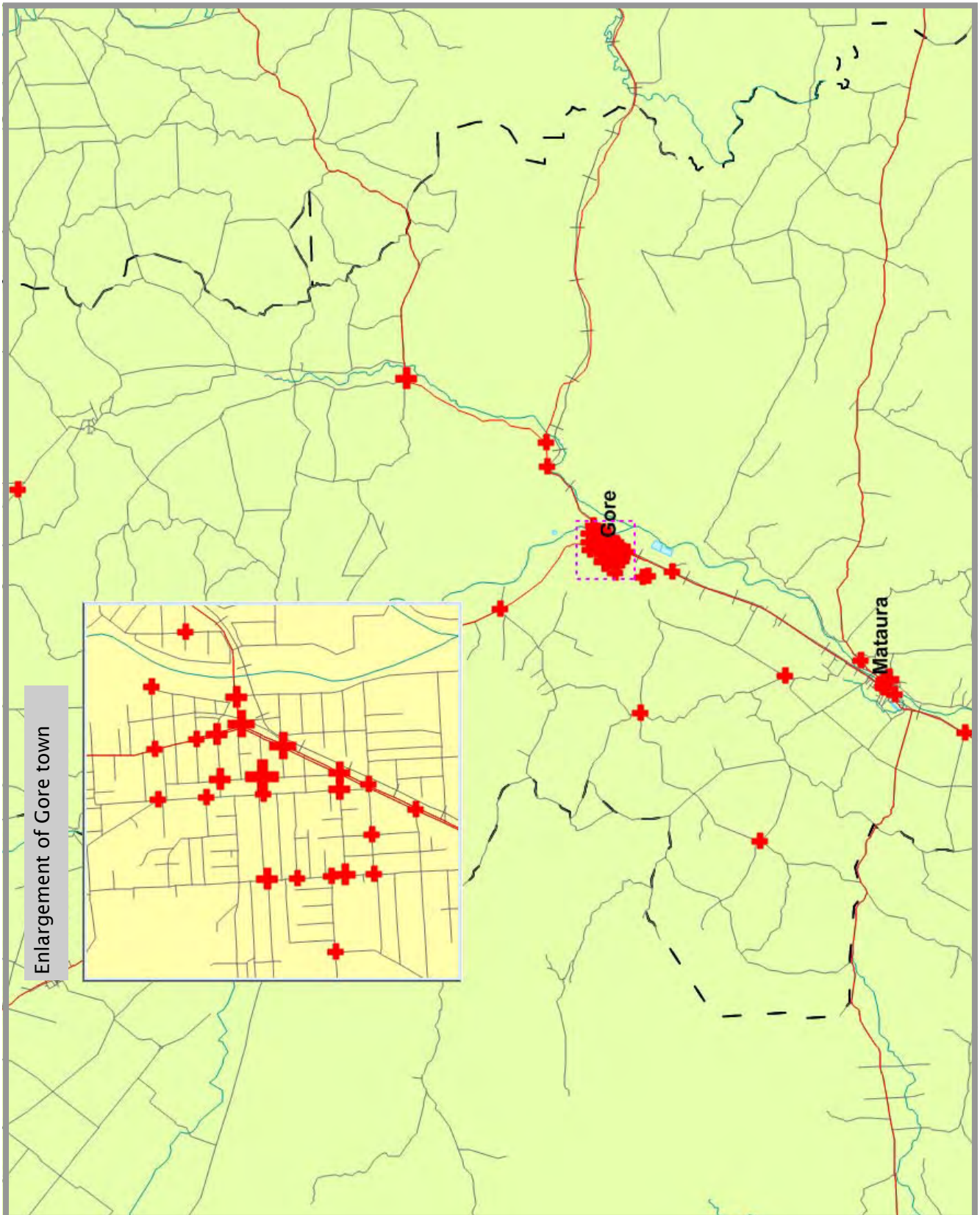
Further information about the 78 injury bend - loss of control or head on crashes (2004 to 2009) on local roads in Gore District :

- 1 death, 14 serious injuries and 31 minor injuries
- 65 percent of at fault drivers were male
- Most common at fault driver age group 15 -19 years (42 percent of all at fault drivers)
- 21 percent of crashes involved alcohol
- 39 percent of crashes involved speed too fast for the conditions
- Worst month August
- Worst day of week Saturday
- Worst time 3 pm till 6 pm

Further information about the 45 injury bend - loss of control or head on crashes (2004 to 2008) on State Highways in Gore District:

- 15 serious injuries and 56 minor injuries
- 43 percent of at fault drivers were male
- Most common at fault driver age group 15—19 years (41 percent of at fault drivers)
- 11 percent of crashes involved alcohol
- 31 percent of crashes involved speed too fast for the conditions
- Worst month February
- Worst day of week Saturday
- Worst time 6 pm to 9 pm

Injury crashes at intersections
Gore District
2004 - 2008



Intersections

During the five year period 2004 to 2008 within Gore District there were a total of 148 crashes at intersections, 59 of these were injury crashes and 89 non-injury.

85 percent of these crashes were in urban areas and 2 people were killed, 14 received serious injuries and 56 received minor injuries.

Crashes at Intersections					
	2004	2005	2006	2007	2008
Injury crash	14	13	12	6	14
Non-injury crash	14	15	14	19	27
Total	28	28	26	25	41

The number of reported crashes at intersections in the district in 2008 was the highest in the last five years. This was mainly due to an increase in reported non-injury crashes

Locations with the most injury crashes 2004 to 2008		
Intersection name (Within a radius of 50m)	Injury crashes 2004 - 2008	Injury crashes 2008
Fairfield Street / Irk Street	5	1
Main street / Mersey Street	3	1
Railway Esplanade / Main Street	3	0

These intersections are listed regardless of any remedial work that may have been done in recent years.

Junction control Injury and non-injury crashes				
Junction control	Traffic signals	Nil	Give Way	Stop
Number of crashes	0	29	100	19

The most common crash type at intersections was when a vehicle travelling straight through an intersection was struck by a vehicle also travelling straight through from a side road.

The main causes contributing to crashes described in Police reports were:

- General errors of judgement
- Failure to stop and give way

Junction type Injury and Non-injury crashes		
Junction Type	Rural	Urban
Roundabout	0	23
Tee	17	67
Cross (X)	5	32
Other (includes driveways)	0	4

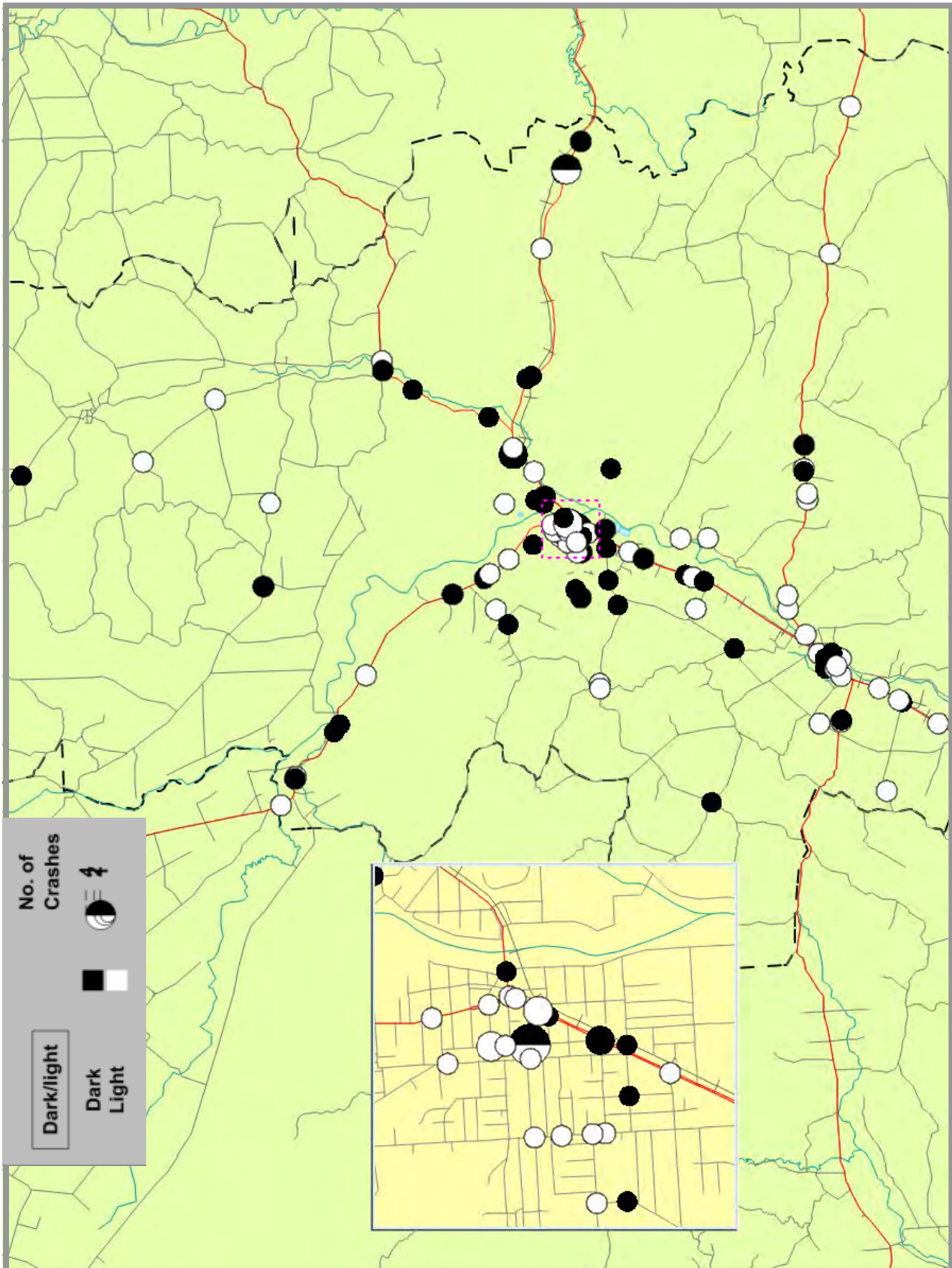
Further information about the 32 injury crashes at intersections on local roads in Gore District 2004 to 2008:

- 1 death, 7 serious injuries and 32 minor injuries
- 25 percent wet or icy roads
- 28 percent night time
- Worst month July
- Worst day of week Tuesday, Saturday
- Worst time 3 pm till 6 pm

Further information about the 27 injury crashes at intersections on State Highways in Gore District 2004 to 2008:

- 1 death, 7 serious injuries and 24 minor injuries
- 19 percent wet or icy roads
- 37 percent night time
- Worst month April
- Worst day of week Friday
- Worst time 9 am till midday

Injury crashes involving young drivers
Gore District
2004 - 2008



Young drivers

Young drivers are those aged less than 25 years.

This analysis is based on injury crashes only as driver age is not recorded in non-injury crashes.

In Gore District between 2004 and 2008, 53 percent of injury crashes involved young drivers. These 112 crashes resulted in 6 fatalities, 26 serious injuries and 136 minor injuries.

The total number of injury crashes involving young drivers has generally dropped since 2005. However in 2008 there were 2 fatal crashes, the highest in the last five years. These crashes resulted in 3 deaths.

Injury crashes involving young drivers				
	Fatal	Serious	Minor	Total
2004	1	3	22	26
2005	0	8	18	26
2006	1	5	15	21
2007	1	1	17	19
2008	2	4	14	20
Total	5	21	86	112

Almost half of the 128 young drivers in these crashes had a learner or restricted licence. Six of every ten of them were males and 60 percent were 15-19 year olds.

Nearly all the young drivers were residents of Gore or the surrounding areas.

Young drivers in injury crashes			
Licence type	Female	Male	Total
Full	16	38	54
Learner	12	8	20
Restricted	19	19	38
Overseas	0	0	0
Never licensed	2	5	7
Disqualified	0	4	4
Other (unknown, wrong class)	2	3	5
Total	51	77	128

Injury crashes involving young drivers

Crash type or contributory cause	% of injury crashes
Alcohol	13
Speed	23
Failed to stop/Give way	17
Poor handling	31
Poor observation	42
Lost control - straight	16
Lost control - bend	39
Rear end / obstruction	18
Crossing / turning	18

Further information about the 50 injury crashes involving young drivers on local roads in Gore District 2004 to 2008:

- 50 percent were single vehicle crashes
- 54 percent were on urban roads
- 36 percent at intersections
- 46 percent at night
- 26 percent in wet or icy conditions
- Worst month February, November
- Worst day of week Saturday

Further information about the 62 injury crashes involving young drivers on State highways in Gore District 2004 to 2008:

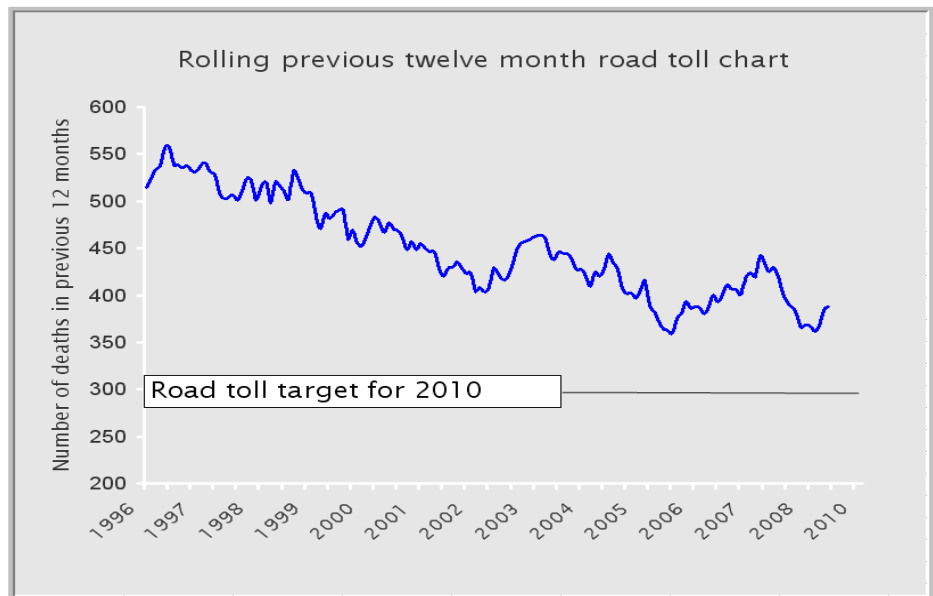
- 53 percent were single vehicle crashes
- 27 percent were on urban roads
- 19 percent at intersections
- 42 percent at night
- 34 percent in wet or icy conditions
- Worst month April, May
- Worst day of week Friday

The next ten years—moving beyond Road Safety 2010

In August this year the Ministry of Transport (MoT) will embark on a nationwide road safety consultation programme as it moves to formulate priorities for the next ten years.

The chart on the right illustrates the progress made during the life of the Road Safety 2010 strategy and while progress has been made it would seem unlikely that the target of 300 or fewer fatalities will be met.

Information will be published on the Ministry of Transport web site and we would encourage any person or group with an interest in road safety to watch the site carefully for developments.



Follow this link: <http://www.transport.govt.nz/ourwork/Land/landsafety/SaferJourneys-RoadSafetyStrategyto2020/>

Restraints

The Ministry of Transport conducts surveys of restraint use. Results are available for front, rear and child restraints although not all at a local authority level. The results of these surveys are available at the MoT website: <http://www.transport.govt.nz/research/safetybeltstatistics/>

Contacts

New Zealand Transport Agency

Performance Information Manager (Southern)
Geoff Holland
PO Box 13364
Christchurch
03 964 2845

Regional Communications Advisor
Bob Nettleton
PO Box 9058
Dunedin
03 951 3005

www.nzta.govt.nz

New Zealand Police

Andrew Burns
Road Policing Manager
New Zealand Police
Private Bag 1924
Dunedin

Phone 03 471 4838

www.police.govt.nz

Local Authority

Community Advisor Road Safety
Jane Ballantyne
PO Box 903
Invercargill

03 2112 502 Ext 3189

Roading Manager
Murray Hasler

Gore District Council
PO Box 8
Gore 9700

Phone 03 209 0330

www.goredc.govt.nz