National Land Transport Programme 2009–2012

# Southland





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### Introduction from the Regional Director

I am pleased to introduce to you this National Land Transport Programme (NLTP) for 2009-2012 – a programme through which the NZ Transport Agency (NZTA) is making a record investment in land transport at a time when New Zealand needs it most.

The global economic situation has changed dramatically in the past 18 months, with significant effects for the New Zealand economy. In response, and as part of its commitment to improving New Zealand's economic outlook and performance, the government has set clear expectations and priorities for the land transport sector. These expectations are articulated in the *Government policy statement on land transport funding* (GPS).



Through the NLTP, the NZTA 'gives effect' to the GPS with a focus on supporting economic activity and employment throughout the country. It aims to deliver the best possible returns for New Zealand, through prioritising a wide range of national and regional activities and investing \$8.7 billion in the next three years (a 17 percent increase on the past three years).

The NLTP demonstrates an increased focus on efficiency and effectiveness in all spending, a rigorous national approach to setting priorities, and an ongoing focus on improving safety and reducing the adverse environmental effects of land transport.

While each region's regional land transport programme (RLTP) has been an essential building block, the NLTP inevitably makes greater investments in areas where key expectations, such as economic return and value for money, are clearly met.

This document details the funding provided for the Southland region – and as a dynamic document will be reviewed and updated regularly to reflect any approved variations to programmes, with the latest version available on the NZTA's website at www.nzta.govt.nz.

For information on funding for the rest of New Zealand (and how the NLTP is developed and managed) please see the 'national' document, which is also available at www.nzta.govt.nz.

#### Southland - the context

The Southland region needs to address a number of transport-related issues between now and 2012.

Our top priority in delivering economic growth and productivity in the region is to ensure freight can move within Southland efficiently and safely. Our plans include:

- maintaining and improving safety on the Milford Road, including the Homer Tunnel
- increasing passing opportunities, particularly on State Highway (SH) 1 between Edendale and Invercargill
- the Edendale bypass on SH1, which will complement further expansion of the Edendale dairy plant.

Road safety and the high social and economic costs of road crashes are other issues for Southland, with a number of projects in the NLTP dedicated to addressing them. Some projects, can also make highways more efficient through smoother traffic flows.

Additional transport priorities for Southland include:

- upgrading the region's road network by increasing seal widths (a safety improvement measure)
- fostering economic development in the region by maintaining and enhancing an efficient transport network and infrastructure
- providing for the safe movement of the rising number of tourists and other transport network users.

A strong commitment to value for money has led to changes in how R (regionally distributed) funding is used. R funding will be used for the highest-priority projects in this NLTP, providing a guaranteed minimum level of funding for Southland. R funding comes from a portion of fuel excise duty and light road user charges and is allocated proportionally to regions based on population.

In the past, R funding was used to fund lower-priority projects that would otherwise not qualify for funding. The new approach delivers much greater value for money for all public money invested in land transport.

#### **Highlights of this NLTP**

This NLTP provides an investment of \$155.1 million for the Southland region over the 2009–2012 period. I'm confident that this NLTP gives the required effect to the GPS. All funds have been allocated to activity classes within the GPS limits and in line with the NZTA's priorities.

Key investment priorities for Southland:

- The Tiwai Bridge upgrade, which will significantly extend the life of a bridge that provides a
  crucial link between Invercargill and the Tiwai Smelter. The smelter is a major contributor to
  Southland's prosperity, providing hundreds of jobs and injecting millions of dollars into the
  region's economy.
- A project to address safety issues around the Homer Tunnel on SH94 between Te Anau and Milford Sound. The tunnel is an essential link to a major tourist destination, and making the route safer and more reliable is vital to the continued growth of both the local and national tourism industries.
- Building stock truck effluent disposal sites at Lorneville, Mataura, Wreys Bush, Lumsden and Edendale.

For an overview of all projects in the region likely to receive funding in the next three years, see the map on page 4.

The National Land Transport Fund can only be used to fund activities listed in the NLTP. The tables in this NLTP list:

- Activities that have been given funding approval and represent committed funding.
- Activities that the NZTA anticipates may be given funding approval during 2009-12 (category 2 activities). More activities are listed than will be funded because many do not progress as planned.
- Reserve activities that are expected to be funded beyond 2009-12, but might be funded in 2009-12 (if circumstances justify it).
- Activities that are not expected to be funded because they have too low a priority to warrant funding.



#### **Recent achievements**

In the past 12 months, we've achieved a number of milestones in making our region's roads safer, more resilient and more suitable for the people and businesses that use them every day. These include:

- work on the SH1 Longbush realignment (\$0.84 million), which will improve safety on this section of the highway
- the new Bond Street bypass (\$1.6 million), which offers a safer, faster and more efficient route for vehicles in the area and heavy motor vehicles en-route to the Port of Bluff
- preparation work for the SH96 Gill Road realignment to improve safety. Work is about to start
  on this project
- progress on realigning the SH6 Dipton Curve between Invercargill and Queenstown
- investigations into a project to improve safety at the SH1 Tay Street/Racecourse Road intersection in Invercargill
- a number of passing lanes on the state highway network, which have improved efficiency and safety.

#### The role of the Regional Transport Committee

The Southland Regional Transport Committee plays a pivotal role in shaping the Southland region's transport future.

The committee comprises elected members from the regional and local councils in Southland, a representative from the NZTA and six community representatives with expertise in areas such as access and mobility, safety and economic development.

One of the committee's key tasks is to develop Southland's three-year RLTP, which prioritises all the regional transport activities proposed by the NZTA, the region's local authorities and Environment Southland.

This regional perspective enabled the NZTA to build a geographic view of land transport requirements nationwide, and to align regional and national views in deciding on the most appropriate allocations of funds to give effect to the GPS priorities. Public submissions on Southland's draft programme were reflected in the final programme that went to the NZTA Board, which made the ultimate funding decisions for the NLTP.

I believe this NLTP is enabling for Southland's future as a key contributor to New Zealand's social and economic wellbeing. I look forward to working closely with our regional and local authority partners, New Zealand Police and the Southland community on ensuring this NLTP is implemented successfully.

**Bruce Richards**Regional Director



## Regional summary

#### Overview of the transport system

Table 1: Key statistics on the Southland region (June 2007-July 2008)

	Southland region	New Zealand	Region as % of NZ
Population	45,100	4,268,500	
Land area (km²)	34,300	275,400	12
Imports (gross tonne) <sup>1, 2</sup>	2.8 million	79.2 million	4
Exports (gross tonne) <sup>1, 2</sup>	2.3 million	73.4 million	;
Gross domestic product (GDP) (\$)	3300 million	155,400 million	
Passenger transport - bus - boardings	423,500	92,777,200	(
Passenger transport - rail - boardings	-	18,346,600	
Passenger transport – ferry – boardings	-	4,695,000	
Vehicle kilometres travelled	1,100 million	40,200 million	
Fatalities <sup>3</sup>	10	366	
Serious injuries <sup>3</sup>	58	2553	
Local roads - urban all (km)	615	17,298	
Local roads - urban sealed (km)	559	16,956	
Local roads - rural all (km)	5831	65,601	
Local roads - rural sealed (km)	2210	33,698	
State highways – all (km)	777	10,906	
State highways – sealed (km)	777	10,850	
State highways - motorway (km)	-	172	

#### Notes:

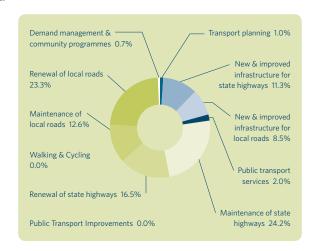
- 1 Indicative only based on a ratio determined from a 2002 report on international and inter-regional freight movements.
- 2 Includes both international and inter-regional freight movements.
- 3 Safety data is for the year ending 2008.

### **Expected expenditure in Southland**

Table 2: Expected expenditure in Southland

Southland	2009/12	% of total
Walking and cycling	0.1	0.0%
Transport planning	1.6	1.0%
Public transport improvements	-	0.0%
New & improved infrastructure for state highways	17.5	11.3%
New & improved infrastructure for local roads	13.1	8.5%
Public transport services	3.0	2.0%
Maintenance of state highways	37.5	24.2%
Renewal of state highways	25.6	16.5%
Maintenance of local roads	19.5	12.6%
Renewal of local roads	36.2	23.3%
Demand management & community programmes	1.0	0.7%
	155.1	100%

Note: includes R funds of \$22m



#### State highway operations, maintenance and renewal

Maintaining Southland's state highway network to cope with increases in heavy motor vehicle traffic will be vital to the region's economy in the next three years and beyond.

During 2009-2012, more than 80 kilometres of state highway resealing will be completed in Southland. In addition to this work a series of variable message signs will be installed on SH94 Milford Road. These will provide drivers with up-to-date information on road conditions and help make this road safer.

#### State highway improvements

The NLTP allocates \$17.5 million to improvements on the Southland state highway network.

Activities that are likely to be funded include a project to address safety issues around the Homer Tunnel – a crucial part of SH94, New Zealand's only alpine highway linking Te Anau and Milford Sound, and a vital cog in New Zealand's multi-billion-dollar tourism industry.

Safety issues include potential fires (including in buses) and crashes during the avalanche season when the tunnel becomes two-way. Safety options under consideration include widening work to create a two-way tunnel and improving fire safety, air quality and lighting.

A number of projects designed to reduce the fatal and serious injuries resulting from crashes on the state highway network are due to start in the next three years. They may include:

- widening the SH94 Falls Creek Bridge in the upper Hollyford Valley. This work will improve safety for motorists and pedestrians using the bridge
- new passing lanes on SH1 just south of Woodlands, which will help make this section of highway safer and more efficient
- safety improvements at the SH1 Tay St/Racecourse Road intersection in Invercargill.

#### **Local road maintenance**

Local road maintenance funding of \$55.7 million will help make the region's local roads safer and more efficient through resealing and minor safety work. The NZTA has approved a three-year allocation and expects organisations to manage the required maintenance, operations and renewal programmes including any changes in costs within that allocation.



#### **Local road improvements**

The NLTP allocates \$13.1 million to local road improvements in Southland. The majority of this funding will go towards the current re-decking of the Tiwai Bridge, which will significantly increase its life.

#### **Public transport**

There has been a substantial increase in funding for public transport services nationally across 2009-12 with an increase of 30% to \$630 million compared with the previous three years.

Although there has been a significant increase in funding, there is an expectation that every regional authority will manage their public transport programmes efficiently and effectively within the funding allocations provided to ensure that these are delivering value for money. A challenge is to improve the effectiveness of public transport networks by extracting the maximum value from past and current investments. The NZTA is developing a national framework for a farebox policy that will assist regional authorities as part of this process.

The block funding approach to public transport programmes will provide regional authorities with the flexibility to reassign funding to cover variability in the delivery of programme activities, provided the total expenditure stays within the overall allocation.

This NLTP allocates \$3.0 million to public transport services in Southland, covering the costs of providing total mobility and other public transport services. It recognises that transport choice is important for those with limited access to cars or who are vulnerable to fuel price increases.

#### Road policing activities

National Land Transport Fund funding for New Zealand Police road policing activities in the Southland region totals \$6.846 million for 2009/10.

#### This includes:

- \$5.770 million for strategic policing of the 'fatal five' road safety issues: speeding, drink/drugged driving, restraints, dangerous/careless driving and high-risk drivers
- \$868,000 for incident and emergency management, crash attendance and investigation
- \$170,000 for community engagement on road policing (including police community services and school road safety education).

The total funding also meets all the costs involved in road policing, including vehicles and equipment, communications, accommodation and information systems and technology.

The detailed 2009/10 Road Policing Programme can be viewed on the New Zealand Police website at www.police.govt.nz/service/road. The programmes for 2010/11 and 2011/12 will be published annually on the site once they have been approved by the Minister of Transport.

#### Regionally significant projects from 2012/13 onwards

Post 2012/13, decisions are likely to have been made on the best options for addressing safety issues affecting the SH94 Homer Tunnel, and work may start on implementing them.

### Regional tables

#### **Key (for tables)**

FTE staff The number of full time equivalent NZ Police staff allocated to the activity.

The phase type of the project phase listed on this row.

Study 5

I Investigation

Design D

C Construction

Property purchase

NLTP status The status of the programme within the 2009/12 NLTP.

A commitment carried forward from previous years.

APP Approved new works, allocations approved for expenditure on the related project or programme

CAT2 Projects included in the NLTP which have not been given funding approval, but may be considered for funding during 2009/12 and, based on information submitted to the NZTA, are expected to meet the requirements for funding. Funding applications for the projects are expected during the course of 2009/12.

Projects included in the NLTP which have not been given funding approval and are not likely to be promoted for funding during 2009/12 either due to expenditure being programmed beyond 2009/12 or because preliminary assessment of their profile (based on submitted information) gives them a priority below that expected to be funded in 2009/12.

**Funding priority** 

Probable Category 2 activities which, based on information submitted to the NZTA, probably have sufficient priority to warrant funding.

Category 2 activities which, based on information submitted to the NZTA, possibly have sufficient priority to warrant funding, subject to funding being available.

Res. A Reserve activities indicatively programmed over 2009/12 that, based on the information submitted to the NZTA, have a lower indicative profile and priority and are therefore not expected to be affordable unless there is a significant improvement in priority and funding is available.

Reserve activities indicatively programmed to start beyond 2011/12 which would be considered for funding during 2009/12 should Res. B circumstances warrant, considering their priority and the availability of funding.

Not fundable Types of activity that are not funded through the NLTP, or activities with such low priority that funding is not contemplated.

The state highway associated with the project or programme.

WC Work category.

Profile A three letter string describing the strategic fit of the activity and the effectiveness and efficiency of the solution.

H is High, M is Medium, and L is Low.

Total phase costs The total cost of the project phase for all years, including local share subsidy.

\$000

Prev. spend \$000 The total spent to date on the phase for all years, including local share subsidy.

> %FAR The funding assistance rate applying to the phase.

The total cost to be spent in 2009/12 on implementing the phase and the funding from the National Land Transport Fund available for this.

Indicative funding The funding source of the project phase. The funding source is definite for commitments or approved new works.

It is indicative for Cat 2, and will potentially change. source

Crown funds allocated in accordance with schedule 2, clause 14 of the Land Transport Amendment Act 2008.

Community transport funds allocated in accordance with NZTA policy set out in general circular 08/12 to meet transport needs for communities in areas of high socio-economic deprivation.

Regionally distributed funding from the named region.

Nationally distributed funds.

#### Work categories

001 Regional land transport planning and management

002 Studies and strategies

003 Activity management plans 111 Sealed pavement maintenance

112 Unsealed pavement maintenance 113 Routine drainage maintenance

114 Structures maintenance

121 Environmental maintenance

122 Traffic services maintenance

123 Operational traffic management

124 Cycle path maintenance

131 Level crossing warning devices

141 Emergency reinstatement

151 Network and asset management

161 Property management (state highways)

171 Financial grants

211 Unsealed road metalling

212 Sealed road resurfacing

213 Drainage renewals

214 Sealed road pavement rehabilitation

215 Structures component replacements

221 Environmental renewals 222 Traffic services renewals

231 Associated improvements 241 Preventive maintenance

321 New traffic management facilities 322 Replacement of bridges and other structures

323 New roads

324 Road reconstruction

325 Seal extension

331 Property purchase (state highways)

332 Property purchase (local roads)

333 Advance property purchase

341 Minor improvements 421 Demand management

432 Community programmes 442 Sea freight operations

445 Rail freight infrastructure 446 Sea freight infrastructure

451 Pedestrian facilities

452 Cycle facilities

511 Bus services

512 Passenger ferry services

513 Bus and passenger ferry concession fares

514 Passenger transport facilities operations and maintenance

515 Passenger rail services

517 Total mobility operations

519 Wheelchair hoists

521 Total mobility flat rate payments

531 Passenger transport infrastructure

533 Passenger transport road improvements

711 Strategic road policing

712 Incident and emergency management

713 Road policing resolutions

714 Community engagement in land transport

811 Research programme

812 National education and promotion programmes

813 Training and support programme

911 Programme management 912 Performance monitoring

913 Crash analysis system

	Phase	Regional priority	Profile	Status	Work	Indicative FAR*	Total phase cost NI	hase 2009/10 cost NLTF (\$000)	2010/11 NLTF (\$000)	2011/12 NLTF (\$000)	Funding priority	Funding source*
Environment Southland												
Transport planning												
Regional land transport planning management	Implementation			Арр.	100	100%	243.5	83.7	79.9	79.8		
Southland Active Transport Strategy - 2009 Update	Study	<b>—</b>	LM_	Cat2	000	75%	40.0	30.0	•	1		z
Southland Integrated Transport Study - 2009/10 Update	Study	<del>-</del>	MM	Cat2	000	75%	200.0	150.0	•	1		z
Gore District Council												
Renewal of local roads												
Road renewals	Local Roads			App.			6,127.0	1,237.5	1,091.6	1,102.1		z
Operation and maintenance of local roads												
Road operations and maintenance	Local Roads			App.			4,122.7	745.1	787.1	820.3		z
New & improved infrastructure for local roads												
Minor improvements 2009/12	Local Roads			Арр.	341			158.6	133.7	134.8		z
Walking and cycling facilities												
Walking and Cycling - Access and community benefits	Group allocation			Alloc.				8.6	9.8	8.6		
Invercargill City Council												
Renewal of local roads												
Road renewals	Local Roads			App.			14,256.3	2,837.3	2,853.5	2,863.0		z
Operation and maintenance of local roads												
Road operations and maintenance	Local Roads			App.			8,292.2	1,931.9	1,604.4	1,607.6		z
New & improved infrastructure for local roads												
Tiwai Bridge - Structural Replacement	Construction	ı		Com	322	85%	11,500.0	5,865.0	1,955.0	•		~
Minor improvements 2009/12	Local Roads			Арр.	341		ı	381.5	317.3	313.5		z
Public transport services												
Bus & ferry concession fares	Operations			App.	513	20%	2,166.7	361.1	361.1	361.1		z
Bus services	Operations			Арр.	511	20%	2,149.4	358.2	358.2	358.2		z
Public transport facilities maintenance and operations	Operations			Арр.	514	%09	174.0	37.8	32.8	33.8		z
Public transport professional services/ administration	Operations			Арр.		20%	505.5	84.3	84.3	84.3		z
Total mobility flat payments	Operations			Арр.	521	100%	160.0	20.7	53.3	26.0		z
Total mobility operations	Operations			Арр.	517	20%	710.7	118.5	118.5	118.5		z
Gore to Mataura services	Implementation	т	ILM	Reserve	511	20%	ı	2.0	10.0	10.0	Res. A	
Southland District Services	Implementation	ı	LLM	Reserve	511	20%		•	•	39.0	Res. A	
Supergold card												
Supergold trip adminstration	Implementation			App.			15.0	5.0	5.0	2.0		
Supergold trip payments	Implementation			Арр.			200.0	0.09	70.0	70.0		
Southland District Council												
Renewal of local roads												
Road renewals	Local Roads			Арр.			43,339.6	7,736.8	7,849.6	7,816.9		z

	P	Regional	Profile	Status	Work	Indicative FAR*	Total phase	hase 2009/10	2010/11 NLTF	2011/12 NLTF (\$000)	Funding	Funding Source*
Operation and maintenance of local roads	l		ı	ı		ı	ı	ı	ı			
Road operations and maintenance	Local Roads			Ann			20 744 3	37229	3 748 6	3 766 1		Z
Stewart Island 2007 Storm Damage Repairs	Construction			Com	141	54%		621.0				z
New & improved infrastructure for local roads												
Missississississississississississississ	aprod Icool			\ \ \	3.41			016.9	9758	217.7		Z
Improve even and or real are network groun	Group allocation			. APP.	<u>+</u>		1	330.0	330.0	3400		Z
Stewart Island Safety Enhancement Project 07/09	Construction	,	IWW.	Cat	324	64%	1 229 0	0.822	) )	5075	Prohable	Ω.
User benefits improvements group	Group allocation			Alloc.	-			· ·				:
Demand management & community programmes												
Road Safety Southland and Road Safety Southland Charitable	Implementation			Арр.	432	75%	•	320.2		1		z
Walking and cycling facilities												
Walking and Cycling - Access and community benefits	Group allocation			Alloc.				9.1	9.1	9.1		
Pedestrian Facilities Construction	Construction	m	LMM	Cat2	451	64%	106.3	ı	,	68.0	Possible	~
Transport planning												
Active & Public Transport Study	Study			N/F								
Southland District Council SBP		ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	
Operation and maintenance of local roads												
Road operations and maintenance	SPR			App.			360.0	120.0	120.0	120.0		z
New & improved infrastructure for local roads												
Minor improvements 2009/12	SPR			App.	341			9.6	8.5	8.4		z
Southland Highway & Network Operations	ı	ı	ı				ı			ı		
Renewal of state nignways								1 0 0	1	100		:
koad renewals Scour Investigation 9/12	State Highways Construction	_		App. Cat2	241	100%	24,618.8	9,563.7	170.0	175.0		Z
Operation and maintenance of state highways												
Road operations and maintenance	State Highways			Арр.			35,915.0	11,966.4	11,974.3	11,974.3		Z
New & improved infrastructure for State highways												
Southland Stock Effluent Sites	Investigation			Com		100%	175.0	100.0	•	•		z
Tay Street/Racecourse Road (SH1) Intersection	Investigation			Com		100%	75.0	25.0		,		z
Improvements.	C			(		000	0					2
VVIISONS Crossing Passing Lanes	Design			E CO		%001	70.0	0.04	ı			Z :
Woodlands Passing Lanes	Design			Com		100%	65.0	65.0		•		Z
Minor improvements 2009/12	State Highways			Арр.	341		1	1,390.6	1,337.3	1,337.3		z
Homer Tunnel Safety Improvements	Design	_	HWH	Cat2	322	100%	538.4	ı	265.6	272.8	Probable	~
Homer Tunnel Safety Improvements	Investigation	_	HWH	Cat2	322	100%	515.0	515.0		•	Probable	~
Edendale Realignment	Design	_	LMM	Cat2	324	100%	179.7	20.8	158.9	•	Probable	~
Edendale Realignment	Property		LMM	Cat2	324	100%	772.5	772.5		•	Probable	~
Edendale Realignment	Construction	_	LMM	Cat2	324	100%	5,814.0	ı	2868.0	2,946.0	Probable	~
Improve, expand or replace network group	Group allocation			Alloc.				3,593.8	3,953.1	3,953.1		
Dowling rd / Mona Bush Rd Passing Lanes	Construction	-	MMH	Cat2	324	100%	1,485.0	743.0	742.0	•	Probable	~

Phase	Phase priority Profile S Construction 1 MMH ersection Construction 1 MMM Design 1 MMM Construction 1 MMM Construction 1 MMM Design 1 MMM Construction 1 MMM Design 1 MMM Design 1 MMM Construction 1 MMM Sonstruction 1 MMM Design 1 MMM Design 1 MMM Sonstruction 1 MMM Design 1 MMM Sonstruction 1 MMM Construction 1 MMM Study Study Study										70107	2011/17		
Construction         1         MMH         Cat2         324         100%         8240         8240         -           Intersection         Design         1         MMH         Cat2         324         100%         46.0         46.0         -           Construction         1         MMH         Cat2         324         100%         46.0         -         912.0           Construction         1         MMM         Cat2         324         100%         40.0         -         912.0           Construction         1         MMM         Cat2         324         100%         40.0         -         912.0           Construction         1         MMM         Cat2         324         100%         56.68         186.1         185.2           Construction         1         MMM         Cat2         324         100%         50.00         -         800.0           Construction         1         MMM         Cat2         324         100%         50.00         65.6         80.0           Design         1         MMM         Cat2         324         100%         40.0         67.5         65.8           Construction         1 <th>resection Design 1 MMH ersection Construction 1 MMM Design 1 MMM Construction 1 MMM Design 1 MMM Construction 1 MMM Construction 1 MMM Design 1 MMM Design 1 MMM Construction 1 MMM Sonstruction 1 MMM Construction 1 MMM Sonstruction 1 MMM Construction 1 MMM Study Study Study Study</th> <th></th> <th>Phase</th> <th>Regional priority</th> <th>Profile</th> <th>Status</th> <th>Work</th> <th>Indicative FAR*</th> <th>Total phase cost N</th> <th>2009/10 ILTF (\$000)</th> <th>NLTF (\$000)</th> <th>NLTF (\$000)</th> <th>Funding priority</th> <th>Funding source*</th>	resection Design 1 MMH ersection Construction 1 MMM Design 1 MMM Construction 1 MMM Design 1 MMM Construction 1 MMM Construction 1 MMM Design 1 MMM Design 1 MMM Construction 1 MMM Sonstruction 1 MMM Construction 1 MMM Sonstruction 1 MMM Construction 1 MMM Study Study Study Study		Phase	Regional priority	Profile	Status	Work	Indicative FAR*	Total phase cost N	2009/10 ILTF (\$000)	NLTF (\$000)	NLTF (\$000)	Funding priority	Funding source*
Intersection         Design         1         MMH         Cat2         324         100%         46.0         46.0         -         -         912.0	ersection Design 1 MMH  Construction 1 MMM  Design 1 MMM  Construction 1 MMM  Design 1 MMM  Construction 1 MMM  Design 1 MMM  Construction 1 MMM  Study  Study  Study	kealignment	Construction	1	HWW	Cat2	324	100%	824.0	824.0	•		Probable	~
Construction   1 MMM   Cat2   324   100%   9120   - 912	Construction 1 MMM  Construction 1 MMM  Design 1 MMM  Construction 1 MMM  Construction 1 MMM  Construction 1 MMM  Design 1 MMM  Construction 1 MMM  Study  Study  Study	/Racecourse Road (SH1) Intersection s.	Design	-	MMH	Cat2	324	100%	46.0	46.0	ı	1	Probable	œ
Construction         1         MMM         Cat2         324         100%         400         -           Design         1         MMM         Cat2         324         100%         400         -           Construction         1         MMM         Cat2         324         100%         556.8         180.1         185.5           Property         1         MMM         Cat2         324         100%         556.8         180.1         185.5           Construction         1         MMM         Cat2         324         100%         20879         675.5         695.8           Construction         1         MMM         Cat2         324         100%         20879         675.5         695.8           Construction         1         MMM         Cat2         324         100%         20879         675.5         695.8           Design         1         MMM         Cat2         324         100%         540.4         556.6           Investigation         1         MMM         Cat2         324         100%         540.4         556.0           Investigation         1         MMM         Cat2         324         100% <td< td=""><td>Construction 1 MMM Design 1 MMM Construction 1 MMM Construction 1 MMM Construction 1 MMM Design 1 MMM Construction 1 MMM Design 1 MMM Design 1 MMM Construction 1 MMM Construction 1 MMM Construction 1 MMM Design 1 MMM Sonstruction 1 MMM Construction 1 MMM Sy Programmes Implementation Study Study</td><td>/Racecourse Road (SH1) Intersection 5.</td><td>Construction</td><td>-</td><td>MMH</td><td>Cat2</td><td>324</td><td>100%</td><td>912.0</td><td>ı</td><td>912.0</td><td></td><td>Probable</td><td>œ</td></td<>	Construction 1 MMM Design 1 MMM Construction 1 MMM Construction 1 MMM Construction 1 MMM Design 1 MMM Construction 1 MMM Design 1 MMM Design 1 MMM Construction 1 MMM Construction 1 MMM Construction 1 MMM Design 1 MMM Sonstruction 1 MMM Construction 1 MMM Sy Programmes Implementation Study Study	/Racecourse Road (SH1) Intersection 5.	Construction	-	MMH	Cat2	324	100%	912.0	ı	912.0		Probable	œ
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Construction         1         MMM         Cat2         324         100%         800.0         -         800.0           Construction         1         MMM         Cat2         321         100%         556.8         180.1         185.5           Property         1         MMM         Cat2         324         100%         696.0         225.2         231.9           Construction         1         MMM         Cat2         324         100%         696.0         225.2         231.9           Design         1         MMM         Cat2         324         100%         696.0         675.5         695.8           Construction         1         MMM         Cat2         324         100%         2,087.9         675.5         695.8           Design         1         MMM         Cat2         324         100%         1411.0         -         3170         1,1           Design         1         MMM         Cat2         324         100%         160.0         -         55.0         -         -         58.0           Investigation         1         MMM         Cat2         324         100%         160.0         -         -	Construction 1 MMM Construction 1 MMM Property 1 MMM Construction 1 MMM Construction 1 MMM Design 1 MMM Design 1 MMM Design 1 MMM Construction 1 MMM Design 1 MMM Construction 1 MMM Design 1 MMM Sonstruction 1 MMM Construction 1 MMM Study Study Study	rve Realignment	Design	1	MMM	Cat2	324	100%	40.0	40.0	•	•	Probable	~
Construction         1         MMM         Cat2         321         100%         556.8         1801         1855           Property         1         MMM         Cat2         331         100%         556.8         1801         1855           Construction         1         MMM         Cat2         324         100%         2,687.9         675.5         695.8           Construction         1         MMM         Cat2         324         100%         620.0         750         168.0           Design         1         MMM         Cat2         324         100%         62.0         62.0         750         168.0           Construction         1         MMM         Cat2         324         100%         1670.3         540.4         556.0         7         1370         1,1           Design         1         MMM         Cat2         324         100%         560.7         7         580         1,2           Inty programmes         1         MMM         Cat2         324         100%         2,660.7         7         1,273.0         1,273.0         1,273.0         1,273.0         1,273.0         1,273.0         1,273.0         1,273.0         1,2	Construction 1 MMM Property 1 MMM Construction 1 MMM Construction 1 MMM Design 1 MMM Design 1 MMM Design 1 MMM Construction 1 MMM Design 1 MMM Construction 1 MMM Struction 1 MMM Construction 1 MMM Study Study Study	rve Realignment	Construction	1	MMM	Cat2	324	100%	800.0	1	800.0	•	Probable	~
Property   1 MMM	Property 1 MMM  Construction 1 MMM  Construction 1 MMM  Design 1 MMM  Design 1 MMM  Construction 1 MMM  Design 1 MMM  Construction 1 MMM  Construction 1 MMM  Study  Study  Study	Oriver Information 9/12	Construction	1	MMM	Cat2	321	100%	556.8	180.1	185.5	1.191.1	Probable	~
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Construction         1         MMM         Cat2         322         100%         243.0         75.0         168.0           Design         1         MMM         Cat2         324         100%         62.0         -         -           Construction         1         MMM         Cat2         324         100%         1,411.0         -         317.0         1,1           Design         1         MMM         Cat2         324         100%         1,670.3         540.4         556.6           Investigation         1         MMM         Cat2         322         100%         58.0         -         58.0           Design         1         MMM         Cat2         324         100%         5.66.7         -         1,273.0         1           Construction         1         MMM         Cat2         324         100%         2,660.7         -         1,273.0         1           ifty programmes         1         MMM         Cat2         324         100%         2,660.7         -         1,273.0         1           ifty programmes         1         MMM         Cat2         324         100%         1,00%         1,00         1	Construction 1 MMM Design 1 MMM Construction 1 MMM Construction 1 MMM Investigation 1 MMM Design 1 MMM Construction 1 MMM Construction 1 MMM Study Study Study	rofit 9/12	Construction	1	MMM	Cat2	324	100%	2,087.9	675.5	8.269	716.6	Probable	~
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	FTE staff	FTE staff (\$000)	
Southland			Invercargill City, Gore ar
Police district managed activities			Speed control
Traffic camera operations	1.9	298.4	Drinking or drugged driver c
Strategic road policing - rural arterial routes	1.7	7.172	Restraint device control Visible road safety and gene
Enhanced alcohol CBT project	2.3	373.0	enforcement
Court orders	0.2	37.3	Police community services
NZTA Highway and Network Operations			School road safety education
Highway patrol	5.7	916.4	Traffic management

Invercargill City, Gore and Southland Districts Speed control B.2 Drinking or drugged driver control Restraint device control 21	1,307.5
ugged driver control se control	
	.1 332.5
Visible road safety and general 4.3 enforcement	3 694.8
Police community services 0.1	.1 21.3
School road safety education 0.9	9 149.2
Crash attendance and investigation 4.9	9 783.2
Traffic management 0.5	5 85.2

### Glossary

Activity A land transport output or capital project, or both.

Activity class A grouping of similar activities.

Approved organisation A public organisation approved under section 23 of the LTMA. It's

usually a regional council, a local authority or another public

organisation.

**ARTA** Auckland Regional Transport Authority. **ATMS** Advanced traffic management system.

Benefit cost ratio The ratio that compares the benefits accruing to land transport users

and the wider community from implementing a project or providing a

service, with that project's or service's costs.

Betterment The increased value of land arising from improved access.

Category 1 activity An activity that is ready for funding approval.

An activity that the NZTA can anticipate funding within the three years Category 2 activity

of the NLTP, but does not currently meet category 1 requirements.

Crash book An analytical document that provides long-term risk profiles of

stretches of roads, groups of intersections and geographical areas

within police districts or areas.

Farebox recovery An arrangement in which a proportion of total operating costs is

recovered through public transport fare revenue.

Fuel excise duty A tax imposed by the government on fuel that is used to fund land

transport activities.

Funding assistance rate The percentage of the total cost of an approved activity that the NZTA

pavs.

**GPS** The Government policy statement on land transport funding - the

government's statement of its short- to medium-term goals for

transport investment.

**Impact** The contribution made to help achieve the government's economic,

social and environmental objectives.

Investment and Revenue

Strategy

A high-level direction-setting and prioritisation tool that helps the NZTA to balance competing priorities and select the best possible mix

of activities for funding.

Land transport Transport on land by any means and the infrastructure, goods and

services facilitating that transport, including:

coastal shipping (including transport by means of harbour ferries, or ferries or barges on rivers or lakes) and associated infrastructure

• the infrastructure, goods and services (including education and enforcement), the primary purpose of which is to improve public

safety in relation to that transport.

Local road A road (other than a state highway) in the district, and under the

control, of a local authority.

Local share The portion of the total cost of an activity that is provided by an

approved organisation.

Long-term council community plan (LTCCP)

Produced by each local authority, a plan that describes its activities and provides a long term focus for its decision-making. It must cover a period of 10 consecutive financial years though it is prepared every three years.

**Land Transport** 

Management Act 2003

(LTMA)

The main act governing the land transport planning and funding system.

Ministry of Transport

The government's principal transport policy adviser that both leads and generates policy, and helps to set the vision and strategic direction for

the future of transport in New Zealand.

A community that aims to reduce congestion by providing user-friendly Model community

environments for walking and cycling.

Motor vehicle registration and licensing fees

The Motor Vehicle Register is established under the Transport (Vehicle and Driver Registration and Licensing) Act 1986, and records details of vehicles that are registered to operate on the road. Motor vehicle registration and licensing fees are defined as land transport revenue.

NLTF/National Land Transport Fund

The set of resources, including land transport revenue, that are available for land transport activities under the NLTP.

NLTP/National Land Transport Programme A three-yearly programme of investment in land transport infrastructure and services from the NLTF.

Pavement

The road structure that is constructed on the subgrade and supports the traffic loading.

Public transport

Passenger transport services provided or subsidised by local and central

government.

Regional Transport Committee

A committee required to be established by every regional council or unitary authority comprising a range of representatives, including from the regional council, local authorities, the NZTA, one representing each of the five transport objectives and one from a cultural perspective. Its main functions are to prepare an RLTS and an RLTP.

Regional land transport programme (RLTP)

A three-yearly land transport infrastructure and services proposal for funding from the National Land Transport Fund prepared by a Regional Transport Committee. In Auckland, the RLTP is prepared by ARTA.

Regional land transport strategy (RLTS)

A strategy that every Regional Transport Committee, on behalf of the regional council, must prepare, and consult on to provide guidance on the land transport outcomes the region seeks. The RLTS must be produced every six years, cover 30 years and contribute to its vision.

Road-controlling authorities

Authorities and agencies, including the NZTA, local authorities, the Waitangi Trust and the Department of Conservation, that have a legal responsibility for roading.

Road user charges

Charges on diesel and heavy vehicles paid to the government and used

to fund land transport activity.

Roads of national significance

Seven New Zealand roads identified by the GPS whose further development 'will have national benefits to the roading network and to national economic development' and that 'require significant development to reduce congestion, improve safety and support

economic growth'.

RPP/Road Policing Programme

The programme of land transport enforcement activities delivered by New Zealand Police.

RSAP/Road safety action plan

A plan developed at the local level to address road safety issues in the

RTPP/Risk-targeted patrol plan

New Zealand Police operational tasking documents used to allocate strategic road policing resources to known safety risks by location and

State highway Unitary authority A road operated by the NZTA, as defined by the LTMA.

A local authority that undertakes the additional functions of a regional

Vehicle kilometres travelled

The total annual vehicle kilometres travelled in an area.

### Key to map abbreviations

41 Four-laning PL Passing lane SH State highway Nth Bd Northbound Nth Sth Bd Southbound Sth South East Bd Eastbound West Bd Westbound

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