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## State Highway Plan 2016/17

The purpose of this document is to communicate our state highway annual work programme. It is one in a suite of strategic documents that describe the service targets we plan to deliver across the network, and our longer term programme and portfolio delivery strategy.

# FOREWORD

The 2016/17 financial year is the second year of the 2015-18 National Land Transport Programme. With \$2.2 billion of revenue available, the NZ Transport Agency's priorities are to carry on with work in progress activities, planned maintenance, and some new capital improvements that align with our strategic direction.

It is important that we keep our existing assets in good shape for our customers. We will be spending \$487 million on operations, maintenance and renewals this coming year.

Our capital improvements programme for this year is \$1.77 billion. A large proportion of this (\$1.58 billion) is already committed to a range of projects throughout New Zealand. This investment contributes to the Government's objectives to lift economic efficiency and boost regional economic development by providing improved access to all regions.

We are continuing our work in completing the projects that make up the Roads of National Significance (RoNS) programme – a key part of delivering the Government's National Infrastructure Plan and the Government Policy Statement for Land Transport (GPS).

We are also partway through delivering several key motorway projects, accelerated through the Auckland Transport package, to reduce congestion and improve journey time reliability. We are also delivering, or about to get underway with, a range of regional state highway projects under the Accelerated Regional State Highway Programme.

When it comes to deciding what the rest of our improvement programme will be for the coming year, we need to ensure it effectively contributes to the objectives of the GPS, and our broader strategic direction. Thus, our improvements programme is focussed on five key areas of activity:

- reducing deaths and serious injury
- reducing collective risk
- improving reliability
- better utilisation of existing capacity
- targeted improvements in journey times.

So bearing this in mind, our new capital improvement programme focusses on the following:

- delivering projects that align with our direction, eg the National Roads and Roadside Programme included in the Government's Safer Journeys strategy, improvements that are part of our High Productivity Motor Vehicle network, and minor improvements
- delivering on our commitments as part of the Regional Improvements activity class
- improving the resilience of our network
- planning and delivering safe and cost-effective pedestrian and cyclist facilities on state highways.

Much of our new safety focused activity will be delivered by the Safe Roads Alliance – a partnership between the Transport Agency and infrastructure consultancies Beca, Bloxam Burnett and Olliver, and Northern Civil Consulting.

Through the Safe Road Alliance, we have the opportunity to improve the safety performance of over 400km of highway, with the potential to reduce deaths and serious injuries on the country's state highway network up to 1500 over the next 10 years. We plan to invest about \$100 million a year into safety improvements.

Ultimately, our intention is to deliver a balanced state highway programme with an emphasis on contributing to economic growth and prosperity, while delivering significant road safety outcomes, and delivering the right outcomes for customers.



Tommy Parker  
General Manager, Highways & Network Operations

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## OUR PURPOSE

# CREATING TRANSPORT SOLUTIONS FOR A THRIVING NEW ZEALAND



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### **NZ Transport Agency**

Published June 2016

ISBN 978-0-478-44568-8 (online)

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# PART 1: BASIS OF THE 2016/17 STATE HIGHWAY PLAN



## KEY OBJECTIVES AND PURPOSE OF STATE HIGHWAY PLAN

The key purpose of this document is to communicate the New Zealand Transport Agency's state highway annual portfolio of programmes of work, both internally to the NZTA, and externally to our suppliers, customers and other stakeholders. The State Highway Plan (SH Plan) is consistent with our suite of strategic documents that describe the level of service targets we plan to deliver across the network, and our longer term programme and portfolio delivery strategy.

## ALIGNMENT WITH THE 2015-18 STATE HIGHWAY ACTIVITY MANAGEMENT PLAN

The SH Plan is developed within the context of the State Highway Activity Management Plan (SHAMP). The SHAMP encompasses all activities which we carry out on the network, and its main purpose is to:

- describe the services offered to customers on the network
- describe the programme of activities Highways and Network Operations (HNO) will implement to deliver the outcomes sought by the Government on these services
- provide a business case for the activities required to deliver those services.

The SHAMP has a 10 year horizon, with a focus on the 2015-18 period and covers all activities on the state highway network (maintenance, renewals, operations and improvements), in the context of the full asset lifecycle (business cases, pre-implementation, implementation, property management and disposal).

The SHAMP further describes:

- service targets for the network
- traffic demand projections
- performance and condition data
- the condition and value of the network
- how we have incorporated our customer's views into our programme.

The development of the SHAMP has been guided by the Transport Agency's Statement of Intent which states the Transport Agency's strategy for giving effect to the Government's direction for transport. The Transport Agency's overall aim is to support a thriving New Zealand through achieving four long-term goals:

- integrate one effective and resilient network for customers
- shape smart, efficient, safe and responsible transport choices
- deliver efficient, safe and responsible highway solutions for customers
- maximise effective, efficient and strategic returns for New Zealand.

The state highway network and the portfolio of programmed activities described in this document, contribute to all of the long-term goals and many of the medium-term objectives. The state highway investment portfolio has been developed with a 'whole-of-system' outlook, to support the Transport Agency's broader aim of transport customers experiencing seamless journeys across New Zealand's land transport system.

## NATIONAL LAND TRANSPORT PROGRAMME

The 2016/17 financial year is the second year of the 2015/18 National Land Transport Programme (NLTP). The activities included in this document are consistent with those submitted into the concurrent Regional Land Transport Programmes (RLTP) and included in the 2015-18 NLTP portfolio.

## FUNDING AND DELIVERY

### Potential available funding from the National Land Transport Fund

Funding available from the National Land Transport Fund (NLTF) includes revenue from fuel excise duty, road user charges, and licensing fees plus net revenue from sales of surplus property assets and property management income. In 2015/16 we successfully delivered increased levels of surplus property disposals to support our level of funding, and we plan to continue this in 2016/17.

Regarding the Improvements programme, we have approximately \$1.69BN in available funding as outlined in the table below. This is almost 10% more than 2015/16 which itself had the highest level of funding to date for Highways and the Transport Agency.

Funding	\$000's
SH Improvements Activity Class	\$1,400,000
Regional Improvements Activity Class	\$105,000
Regional Accelerated Programme (ARSHP) - Crown appropriation	\$59,000
Auckland Accelerated Programme (AAP) - Debt	\$110,000
Walking and Cycling	\$14,000
<b>Total Capital Improvements funding available</b>	<b>\$1,688,000</b>

Funding from the NLTF assumes the forecast revenue from the above sources will materialise as planned. Should the level of revenue generated deviate significantly from that forecast, as it did in 2013/14 and 2014/15, it will increase/decrease available funding for state highways. In such

circumstances, the SH Plan will be amended accordingly, with either an increase or decrease in planned works. Such amendments will ensure that the projects that we have committed to will continue, and new projects will be funded starting with those of the highest priority that deliver the most benefit to our customers.

## IMPROVEMENTS AND ASSET MANAGEMENT PROGRAMME

### Programming principles

In order to meet the objectives of the SHAMP and meet our targeted outcomes/benefits, the Improvements programme for 2016/17 is consistent with the principles set out in the programming process outlined in the SHAMP. The new activities programmed are included in the plan based on these priorities. In order:

- Commitments: Complete the RoNS, complete project phases already started, complete critical infrastructure, Accelerated Regional programme and Auckland Accelerated programme, Walking and Cycling.
- Complete projects that are in line with our direction: National Roads and Roadsides programme, High Productivity Motor Vehicles and Minor Improvements (and anything part of the RoNS network plans).
- Deliver the NRRP programme years 1-3, deliver our commitments on Regional Improvements activity class projects.

- Other national priority programmes: eg weigh right, resilience projects, other HPMV and Safer Journey initiatives.
- Safer Journeys – Roads and Roadside: years 4-10 of the NRRP deliver early if funds available.
- Other obligations: regional activity not safety related (the old 'R' Funds projects).

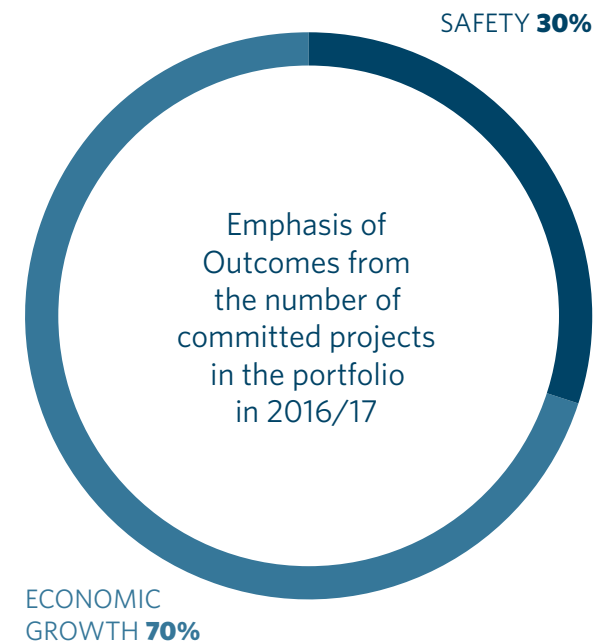
We will ensure our programme prioritisation is managed in such a way that there is flexibility to react to changes such as funding availability or project cost adjustments through the year.

### Programme of commitments

HNO has a large current portfolio of committed work ie either underway, in advanced procurement or implied. The committed work expenditure forecast as at April 2016 is summarised in the table below. This includes commitments for the Auckland and Regional Accelerated Programmes, the RoNS, and projects such as SH2 Pokeno to Mangatarata and activities included in the Tauranga to Waihi programme.

Our 'national' Improvement programmes include property acquisition, minor improvements (consisting of safety, resilience and efficiency projects) and administration. This is also included in the table below.

The diagram illustrates the balance of outcomes from our committed project portfolio. The emphasis of our present investments is around 70:30 economic growth: safety.



2016/17 Portfolio Summary	2016/17 Budget Year \$000's
<b>FUNDING AVAILABLE</b>	<b>1,691,465</b>
<b>SH Improvements (incl W&amp;C) – Funding Available</b>	<b>1,688,000</b>
SH New & Improved (NLTF Funds)	1,400,000
Auckland Accelerated Programme (Loan and 'flex' available)	110,000
Regional Accelerated Programme – all Tranches (Crown)	59,000
Walking and Cycling	14,000
Regional Activity Class – SH Component (NLTF)	105,000
<b>Transport Planning – Funding Available</b>	<b>3,465</b>
Programme Business cases	3,465
<b>FORECAST EXPENDITURE</b>	<b>1,773,883</b>
<b>SH Improvements (incl W&amp;C) – Forecast Expenditure</b>	<b>1,770,418</b>
<i>Commitments</i>	<i>1,581,442</i>
Forecast Commitments – Large – General	1,307,972
Forecast Commitments – Small	90,234
Forecast Commitments – emergency re-instatement	6,452
Forecast Commitments – Walking and Cycling	8,284
Property Acquisition – General	140,807
Minor safety, efficiency and resilience programme	27,693
<i>New Works</i>	<i>188,977</i>
Large Projects	88,076
Small Projects	49,140
Seismic retrofit programme	5,000
LED Accelerated Renewals	2,000
Walking and Cycling	9,835
Improvements Administration	34,925
<b>Transport Planning – Forecast Expenditure</b>	<b>3,465</b>
Programme Business cases – Commitments	0
Programme Business cases – New starts	3,465
<b>SUMMARY</b>	
<b>SH Plan – Overall Funding Available</b>	<b>1,691,465</b>
<b>SH Plan – Forecast Expenditure</b>	<b>1,773,883</b>
<b>Variance</b>	<b>-\$82,418</b>

The total forecast expenditure for commitments plus our national programmes is \$1.77BN against available funding of \$1.69BN.

The table below summarises the maintenance programme (including operations and renewal programmes) funding and activity split.

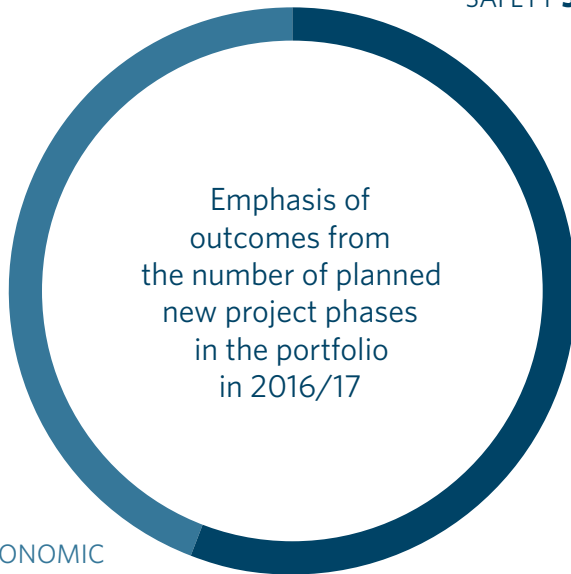
Maintenance Programme Overview	2016/17 Budget Year \$000's
<b>SH Maintenance, Ops and Renewals – Overall Funding Available</b>	<b>487,395</b>
SH Maintenance, Ops and Renewals	487,395
<b>SH Maintenance, Ops and Renewals – Forecast Expenditure</b>	<b>487,395</b>
Maintenance, Operations	307,839
Renewals	138,795
Property Management	12,853
M&O Administration	27,908
<b>Summary</b>	
<b>SH Maintenance, Ops and Renewals – Overall Funding Available</b>	<b>487,395</b>
<b>SH Maintenance, Ops and Renewals – Forecast Expenditure</b>	<b>487,395</b>
<b>Variance</b>	<b>0</b>

## NEW IMPROVEMENT ACTIVITY FOR 2016/17

To effectively contribute to the objectives of the Government Policy Statement (GPS) and the Transport Agency's broader strategies, our Improvements programme portfolio is focused on five key areas of activity:

- reducing deaths and serious injuries
- reducing collective risk
- improving reliability
- better utilisation of existing capacity
- targeted improvements in journey time.

These performance areas align with our Statement of Intent. They address journey time gaps on the state highway through the ongoing RoNS programme and accelerated investment in the Auckland and Regional programmes. They also address congestion and improve travel times for freight and general traffic by increasing capacity on key routes which are under pressure. This is coupled with significant programme emphasis on reducing collective accident risk through our targeted investment in the Safer Journeys roads and roadsides programme.



ECONOMIC GROWTH **44%**

We have continued to develop a new projects programme to support the Statement of Intent. In programming these activities we ensure that we are delivering our priority areas, that we meet any commitments we have made to others, and that the programme delivers a balanced outcome across journey, safety and environmental outcomes. These activities are described as “planned new starts” in this document, and it our intention to commence all of these activities as soon as possible. With increased investment in Safer Journeys roads and roadsides improvement activities, much more

SAFETY **56%**

of the programme consists of safety activities for the 2016/17 year. These projects are a mixture of minor improvements and small projects; all targeted at high risk corridors, with safe system type interventions. Completing work of this nature helps ensure a balance across the portfolio between journey and safety outcomes, and offers a good predicted reduction in the number of deaths and serious injuries on the network. The Safe Roads Alliance will deliver much of this new activity.

The diagram on the left illustrates the balance of outcomes for new projects programmed in 2016/17. The emphasis of our new investments will be around 40:60 economic growth: safety

The programme is dynamic; Auckland, for example, has a number of business cases that may be included in the programme as we progress through the Transport For Urban Growth (TFUG) and Auckland Transport Alignment (ATAP) initiatives in the coming months.

We will be tactical in our response to ensure overall portfolio delivery. If the level of commitments and/or forecasts change between now and the start of the new financial year, or the actual progress of projects is faster or slower than planned, the level of discretionary funding available will change accordingly.

For this reason, it is our usual practice to plan to progress more activities than we can afford. The benefit of doing this is that we are able to react quickly to time related risks or opportunities and maximise our delivery by having high priority projects ready to proceed. We monitor our financial position monthly and work closely with both the Planning and Investment and Finance teams of the Transport Agency to ensure this happens.

## SAFE ROADS ALLIANCE

As mentioned above, we have developed a programme of new projects consisting of a greater weighting of safety focused activities. Much of this new safety related activity will be supported and delivered through the Safe Roads Alliance. This represents just over half of the total new improvement project phase starts planned for next year (and 60% of the value). The split of the proposed phases is shown below.

IMPLEMENTATION **24%**

DEVELOPMENT **37%**



PRE IMPLEMENTATION **38%**



Made up of the Transport Agency and infrastructure consultancies Beca, Bloxam, Burnett & Olliver (BBO) and Northern Civil Consulting (NCC), the Alliance will work with stakeholders to deliver timely and tangible improvements to New Zealand roads, helping to reduce deaths and serious injuries. The Safe Roads Alliance has been established to deliver a programme of road and roadside safety improvements to the state highway network over six years.

The Safe Roads and Roadsides programme is one of four components of the Safe System approach which was introduced to New Zealand through Safer Journeys, the government's strategy to guide improvements in road safety over a 10-year period.

The national programme of improvement works is overseen by the Alliance based in Hamilton while projects are managed regionally through its partner offices in Auckland, Tauranga, Wellington, Whangarei and Christchurch.

## MAINTENANCE AND RENEWALS

The Transport Agency operates and maintains the state highway network. The programme of works presented here demonstrates a continued transition from the prior service targets towards those of the One Network Road Classification, and a continued implementation of Network Outcomes Contracts across New Zealand. These initiatives are giving rise to a significantly different programme from the past.

The maintenance and renewals programmes reflect both the renewal works necessary for preservation of service for the

least long term cost and the additional programme established to address safety issues caused by low skid resistance.

The regional programmes show the change in network infrastructure extent and complexity arising from recently completed capital improvement projects and the change in programmes arising from the new state highway levels of service, where these can be implemented. Also embedded are the impacts of the nationwide review of the renewal programme's treatment scope, type and timing. This approach has reduced the quantities of renewal works compared to past practice.

As a result of this we predict there will be a continued gradual decline in the condition of lower classification state highways, and acknowledge that there is an increasing risk that greater than budgeted road maintenance works may be incurred should the failure rate of old road surface and pavements increase. The programme implementation is supported by enhanced monitoring of roads at risk, and an improved ability to rapidly respond to need nationwide. This will enable us to continue to tighten the programme until it is at the long term minimum level without undue risk.

The network budgets include:

- all funding for the years expected programme
- SCRIM allocation for all skid repairs and renewals over 2016/17
- funding in June 2016 terms
- funding for identified out of context roughness treatments and drainage programme.

The national budgets include provision for varying network budgets in response to:

- repair or renewal works that arise from unexpected decay
- significant escalation claims
- emergency events
- high priority issues and events that arise.

Looking into the future our challenge is to continue to develop a programme of the right works in the right place at the right time taking the right risks and address the increasing extent and complexity of the network as the significant capital improvement programme continues, and meet the significantly increasing demands of heavier freight effectively and efficiently within the funds available.

## PROGRAMME BUSINESS CASES

We have a programme to deliver 29 programme business cases (PBCs). Nine nationally strategic programme business cases have been prioritised for completion by August 2016. A further 10 programme business cases will be delivered by mid 2017. This portfolio of business cases will support the government business growth agenda and regional development programme with a number of inter-regional and regional route improvements. Combined these business cases and associated investment decisions will set up the key threads of our state highway improvements portfolio for the next 10-20 years.

## PART 2: REGIONAL DETAILS





# NORTHLAND

## REGIONAL STATISTICS

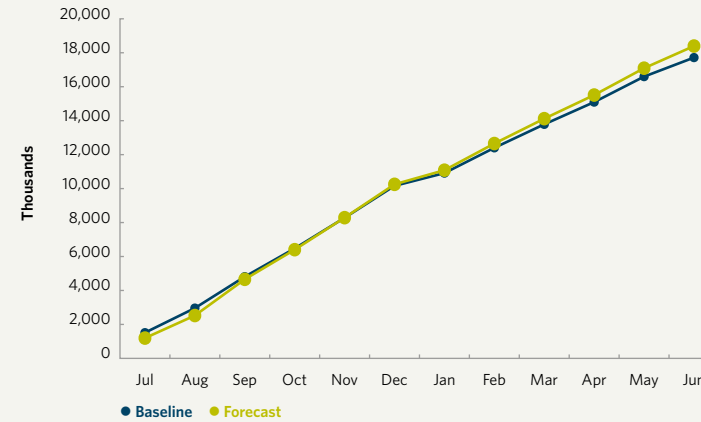
Population	168,300
Length of State highway in region (km)	749
% of National SH Network	7%
VkT (total) million	953
VkT (heavies only) million	97
% of National SH VkT %	5%

## EXPENDITURE BREAKDOWN (\$'000s)

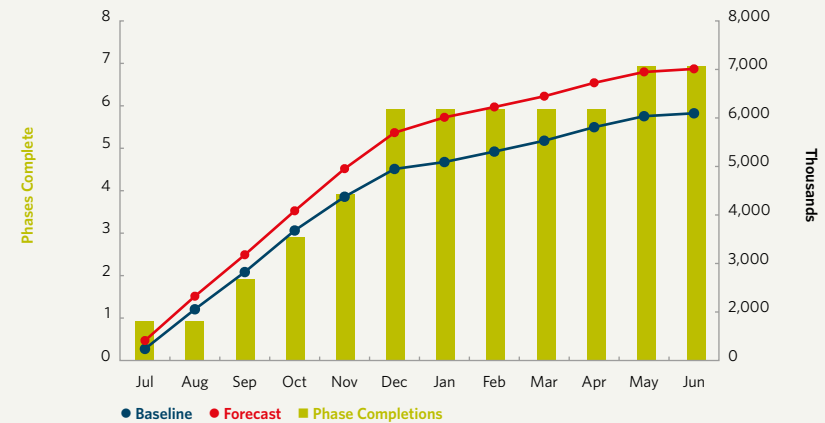
Improvements programme - Total committed and planned	\$25,040.8
Operations and Maintenance programme	\$11,839.0
Renewals Programme	\$7,478.5
Transport Planning Programme	\$150.0



## Large projects

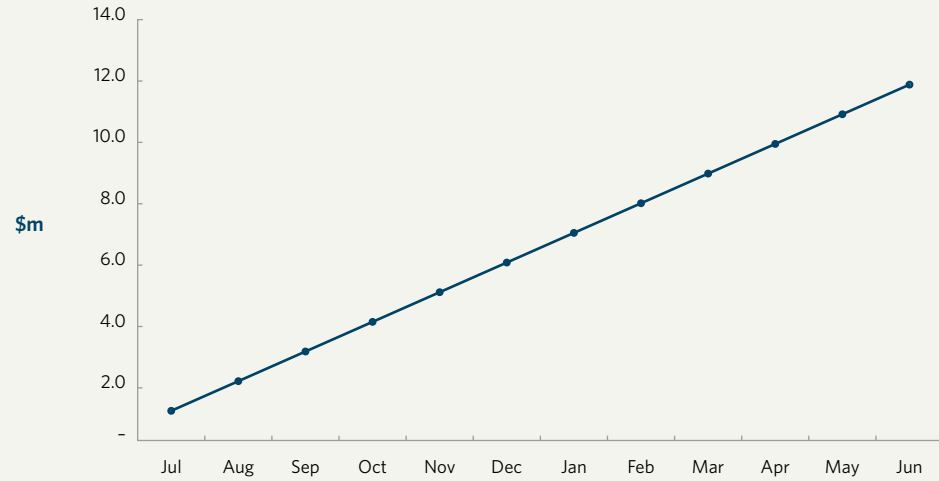


## Small projects

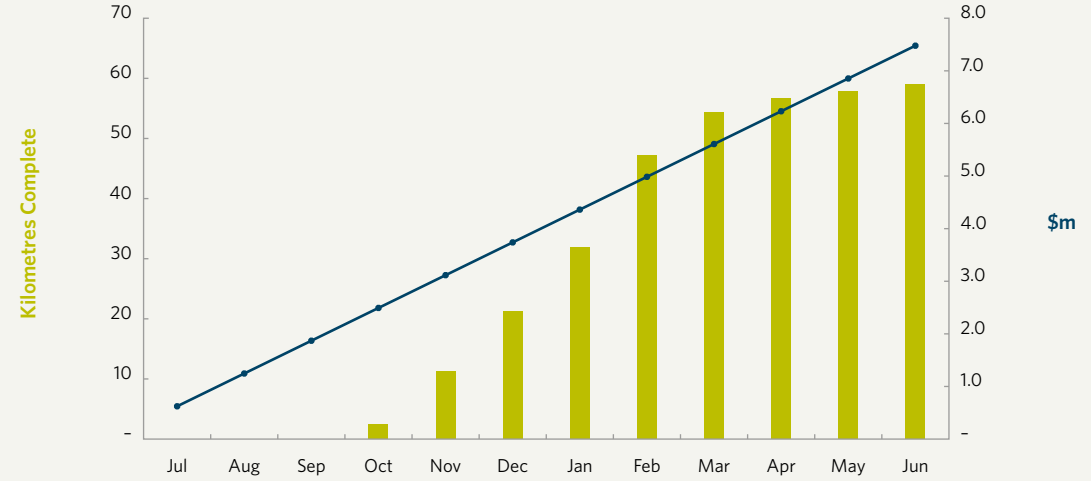


# NORTHLAND

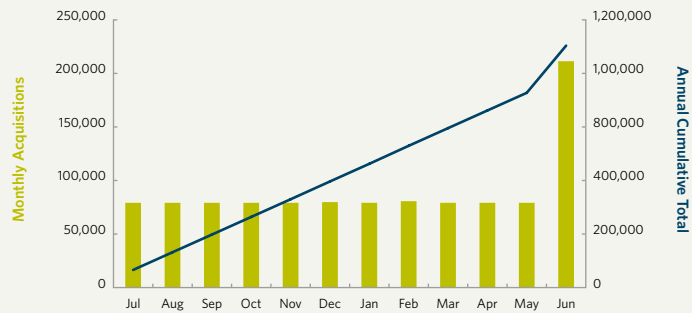
## Operations & maintenance



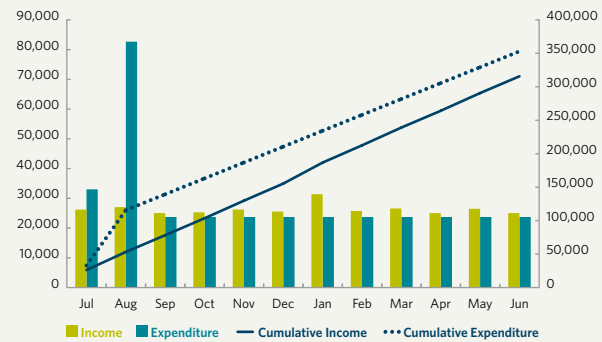
## Renewals



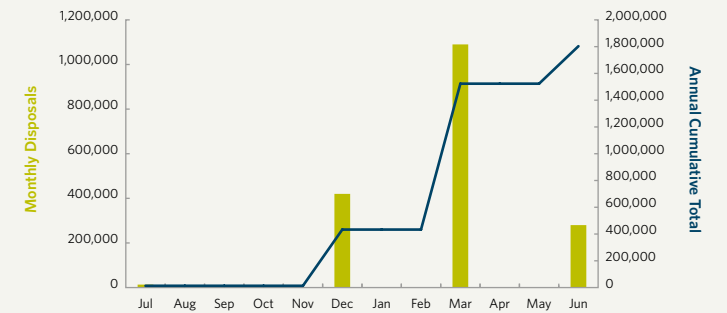
## Property acquisitions



## Property management



## Property disposal



# NORTHLAND

## TOTAL PROGRAMME 2016/17

IMPROVEMENTS	\$'000s
Commitments - Large	\$15,296.8
Commitments - Small	\$2,398.6
Planned new starts 2016/17	\$4,724.0
Property acquisition	\$1,084.4
Minor safety & efficiency improvements	\$1,537.0
<b>Total committed and planned improvements</b>	<b>\$25,040.8</b>
OPERATIONS AND MAINTENANCE	
<b>Total operations and maintenance</b>	<b>\$11,839.0</b>
RENEWALS	
<b>Total renewals</b>	<b>\$7,478.5</b>
TRANSPORT PLANNING	
Programme Business Case	\$150.0
Activity Management Plans	\$0.0
<b>Total transport planning</b>	<b>\$150.0</b>
WALKING AND CYCLING	
<b>Total walking and cycling</b>	<b>\$0.0</b>
EMERGENCY REINSTATEMENT - COMMITMENTS	
<b>Total emergency reinstatement commitments</b>	<b>\$1,158.8</b>
<b>REGIONAL TOTAL</b>	<b>\$45,667.0</b>

Regional and NOCs boundaries may not align. NOCs shown in predominant region.

Cashflows for committed projects are as at August 2016. Final financial position will determine funding availability for 2016/17. Level of activity for operations, maintenance & renewals, and potential new starts for 2016/17 will then be released in national priority order to match available funds.

## OPERATIONS, MAINTENANCE AND RENEWALS OF STATE HIGHWAYS

OPERATIONS AND MAINTENANCE WORK CATEGORY 2016/17	NORTHERN NOC (NORTHLAND REGION)	NORTHLAND NON NOC
Sealed pavement maintenance	\$1,966.2	\$0.0
Unsealed pavement maintenance	\$50.3	\$0.0
Routine drainage maintenance	\$428.9	\$100.0
Structures maintenance	\$265.1	\$256.3
Environmental maintenance	\$1,303.3	\$206.0
Traffic services maintenance	\$1,104.6	\$280.0
Operational traffic management	\$331.2	\$185.0
Cycle path maintenance	\$20.1	\$0.0
Level crossing warning devices	\$0.0	\$0.0
Network and asset management	\$3,857.1	\$1,485.0
Property management	\$0.0	\$0.0
<b>Total</b>	<b>\$9,326.7</b>	<b>\$2,512.3</b>
RENEWAL WORK CATEGORY 2016/17		
Sealed road resurfacing	\$3,805.1	\$0.0
Drainage renewals	\$541.3	\$0.0
Pavement rehabilitation	\$1,611.4	\$0.0
Structures component replacements	\$291.1	\$760.4
Environmental renewals	\$302.0	\$0.0
Traffic services renewals	\$167.2	\$0.0
<b>Total</b>	<b>\$6,718.1</b>	<b>\$760.4</b>

# NORTHLAND

## IMPROVEMENTS OF STATE HIGHWAYS

COMMITMENTS - LARGE PROJECT PROGRAMME			\$000s		
	Project	Phase	2016/17	2017/18	2018/19
Committed	SH12 Matakohe Bridges	Detailed business case (I)	\$471.5	\$0.0	\$0.0
Committed	Akerama Curves Realign & PL	Construction/Implementation (C)	\$5,219.0	\$760.0	\$10.0
Committed	Bulls Gorge Realign	Construction/Implementation (C)	\$100.7	\$0.0	\$0.0
Committed	SH10 Kaeo Bridge Upgrade	Detailed business case (I)	\$0.0	\$0.0	\$0.0
Committed	SH10 Taipa Bridge Upgrade	Detailed business case (I)	\$471.5	\$0.0	\$0.0
Committed	Kamo Bypass Stage 2	Construction/Implementation (C)	\$977.9	\$0.0	\$0.0
Committed	SH1 Loop Rd to Smeatons Hill : IBC/DBC	Indicative business case	\$0.0	\$0.0	\$0.0
Committed	Brynderwyn North SSDP	Construction/Implementation (C)	\$1,986.0	\$929.8	\$0.0
Committed	SH1 Springfield to Mata Median Barrier	Detailed business case (I)	\$450.0	\$0.0	\$0.0
Committed	SH1 Corridor Improvements - Whangarei	Pre Implementation (D)	\$150.0	\$0.0	\$0.0
Committed	SH1 Corridor Improvements - Whangarei	Construction/Implementation (C)	\$5,470.2	\$8,057.0	\$2,150.0
<b>Commitments large projects - Grand Total</b>			<b>\$15,296.8</b>	<b>\$9,746.8</b>	<b>\$2,160.0</b>

# NORTHLAND

COMMITMENTS – SMALL PROJECT PROGRAMME				\$000s		
	Project	Phase	2016/17	2017/18	2018/19	
Committed	SH1 Hautapu Slip ( Enhance Res)	Construction/Implementation (C)	\$981.0	\$0.0	\$0.0	
Committed	Community Advertising 9/15 – Northland	Construction/Implementation (C)	\$38.0	\$0.0	\$0.0	
Committed	Far North District SEDF	Pre Implementation (D)	\$0.7	\$0.0	\$0.0	
Committed	Far North District SEDF	Construction/Implementation (C)	\$3.0	\$0.0	\$0.0	
Committed	HPMV Auckland to Whangarei -SH1,16,18	Construction/Implementation (C)	\$4.5	\$0.0	\$0.0	
Committed	Whangarei SEDF	Construction/Implementation (C)	\$2.2	\$0.0	\$0.0	
Committed	Minor Improvements 2015-18 – Northland	Minor Improvements	\$1,537.0	\$0.0	\$0.0	
Committed	SH1 Auckland to Whangarei	Studies	\$70.0	\$0.0	\$0.0	
Committed	SH11: Airfield to Lily Pond	Construction/Implementation (C)	\$1,299.3	\$680.0	\$0.0	
<b>Sub Total</b>			<b>\$3,935.6</b>	<b>\$680.0</b>	<b>\$0.0</b>	
Committed – emergency works	EW Maromaku Slip July 2014	Emergency Works	\$40.0	\$0.0	\$0.0	
Committed – emergency works	EW SH14 Maungarama Humpy Northland	Emergency Works	\$0.0	\$0.0	\$0.0	
Committed – emergency works	EW SH12 Opononi Seawall July 2015	Emergency Works	\$0.6	\$0.0	\$0.0	
Committed – emergency works	EW SH1-Huatapu Road South	Emergency Works	\$669.3	\$0.0	\$0.0	
Committed – emergency works	EW SH12 Opononi Sea wall Site 2 May 16	Emergency Works	\$0.5	\$0.0	\$0.0	
Committed – emergency works	EW Widespread Drought SH1 & 10 Northland	Emergency Works	\$448.4	\$0.0	\$0.0	
<b>Sub Total</b>			<b>\$1,158.8</b>	<b>\$1,360.0</b>	<b>\$0.0</b>	
<b>Commitments small projects – Grand Total</b>			<b>\$5,094.4</b>	<b>\$2,040.0</b>	<b>\$0.0</b>	



# NORTHLAND

PLANNED NEW STARTS 2016/17 - LARGE PROJECT PROGRAMME				
Project	Phase	Programme Type	2016/17	
NLD Bridges	Pre Implementation (D)	New Works	\$2,004.0	
SH1 Loop Rd to Smeatons Hill : IBC/DBC	Pre Implementation (D)	New Works	\$610.0	
SH1: SH12 to Wellsford	Detailed Business Case (I)	New Works	\$335.0	
<b>Sub Total</b>			<b>\$2,949.0</b>	
SH12 Twin Coast PBC	Programme Business Case	New Works	\$150.0	
<b>Sub Total</b>			<b>\$150.0</b>	
<b>Planned new starts large - Grand Total</b>			<b>\$3,099.0</b>	

PLANNED NEW STARTS 2016/17 - SMALL PROJECT PROGRAMME				
Project	Phase	Programme Type	2016/17	
SH10 Waipapa Corridor Imp IBC / DBC	Detailed business case (I)	New Works	\$265.0	
SH14 Hospital Road intersection improvement	Construction/Implementation (C)	New Works	\$750.0	
SH1: Ohaewai to Whangarei	Detailed Business Case (I)	New Works	\$750.0	
SH1: Ohaewai to Whangarei	Pre Implementation (D)	New Works	\$10.0	
<b>Planned new starts small - Total</b>			<b>\$1,775.0</b>	

# AUCKLAND

## HIGHLIGHTS FOR 2016-17

### Operations, maintenance and renewals

- Enable smarter journeys across Auckland Network as a number of projects go live with Auckland Traffic Operations Centre.
- Using latest technology to upgrade streetlighting on Auckland Harbour Bridge.

### State highways construction projects

- SH20 Waterview Tunnels, SH16 Causeway Upgrade and the St Luke's project will be completed and opened to the public marking a key milestone for the Auckland network. The Lincoln to Westgate component of the Western Ring Route (WRR) will be awarded and construction commenced.
- The Public Private Partnership contract will be awarded for the preferred bidder for the Puhoi to Warkworth (RoNS) project.
- Construction of the extra SH1 southbound lane from Hill Road to Puhurehure Inlet will be completed and opened to the public for the Southern Corridor Improvements project.
- Construction of the Kirkbride Bridge will be completed for SH20A to Airport project with full project completion targeted for late 2017.
- Commencement and completion of construction of the East West Connections stage 1 project.
- Construction works start on the SH16 Muriwai project which will improve safety and local accessibility at this intersection.

### Customer engagement

- Public events to celebrate the completion of the Western Ring Route will include a Ride the north-western cycleway event in October and an open day of the Waterview Tunnels in December.

### Safety initiatives

- Delivery of the minor improvements programme.
- Crash reduction study recommendations are programmed and delivered.
- Working with Auckland road safety partners.

### Strategic planning

- Finalisation of the Transport for Future Urban Growth area programmes including planning for next stages of business case development.
- Commencement of business case for SH20B in partnership with Auckland Transport and Auckland Airport.
- Pavement widening of SH16 Causeway Upgrade project.



# AUCKLAND

## REGIONAL STATISTICS

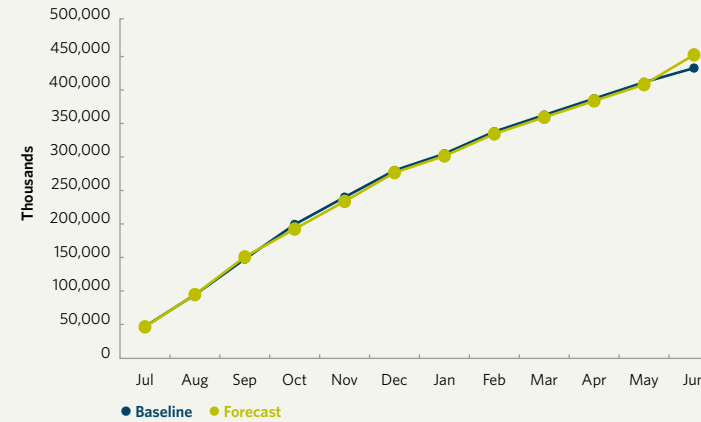
Population	1,569,900
Length of State highway in region (km)	303
% of National SH Network	3%
VkT (total) million	4,413
VkT (heavies only) million	271
% of National SH VkT %	13%

## EXPENDITURE BREAKDOWN (\$000s)

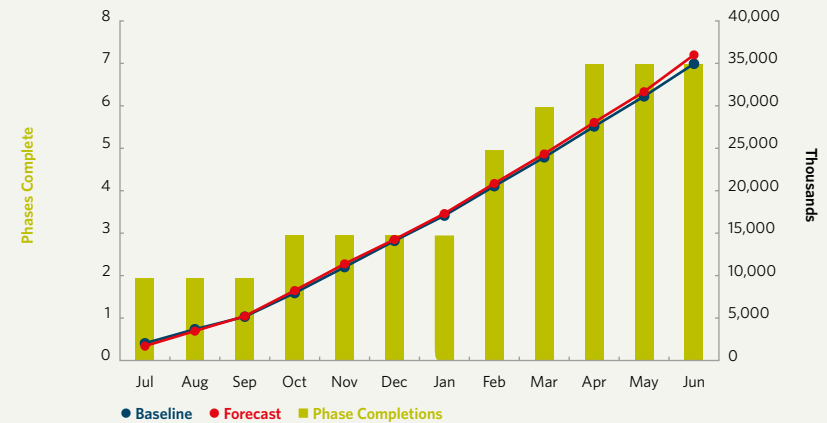
Improvements programme – Total committed and planned	\$535,529.9
Operations and Maintenance programme	\$68,456.4
Renewals Programme	\$26,960.2
Transport Planning Programme	\$200.0



## Large projects

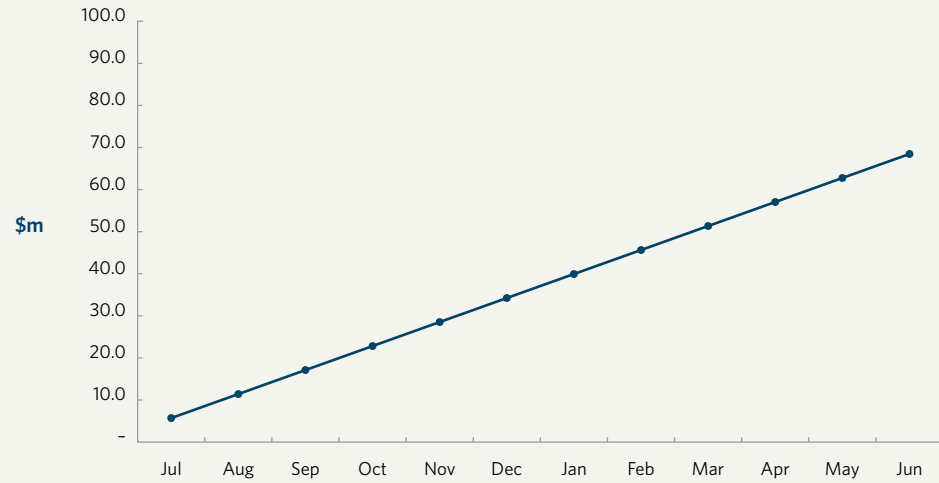


## Small projects

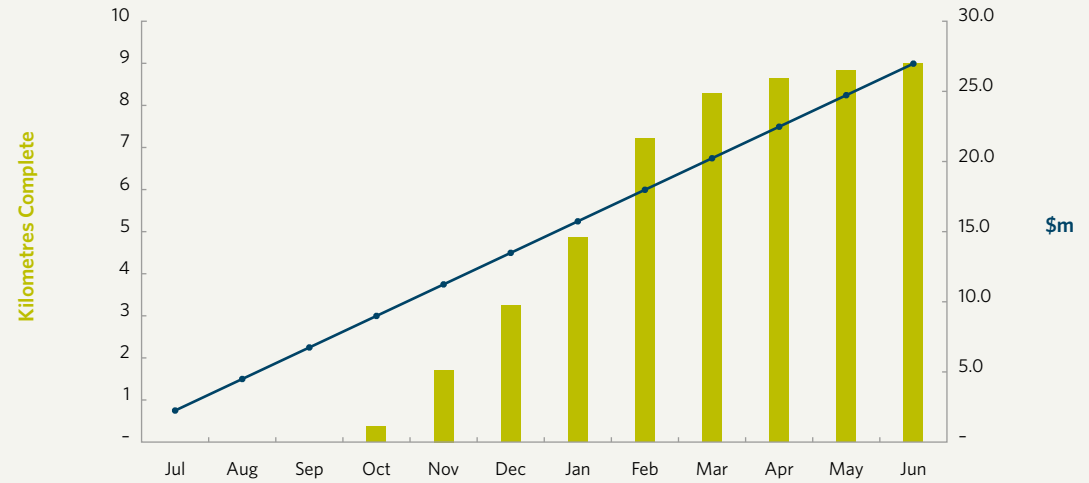


# AUCKLAND

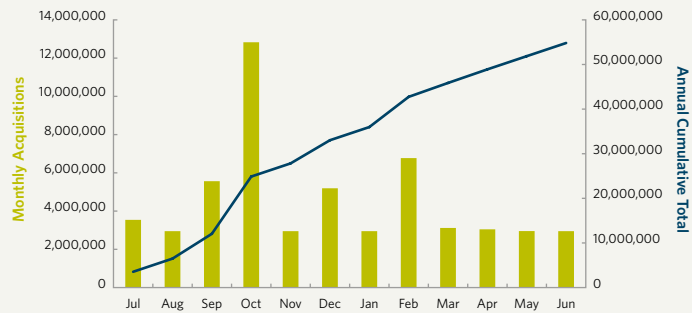
## Operations & maintenance



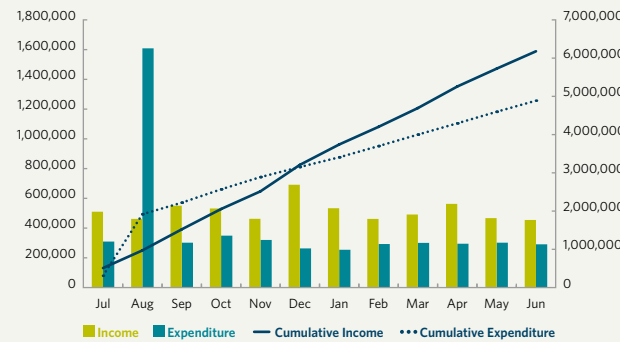
## Renewals



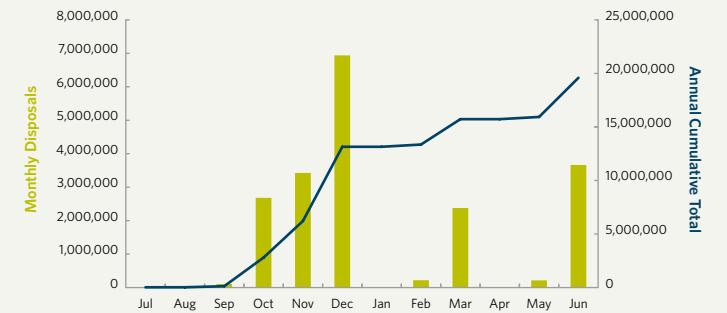
## Property acquisitions



## Property management



## Property disposal



# AUCKLAND

## TOTAL PROGRAMME 2016/17

IMPROVEMENTS	\$000s
Commitments - Large	\$442,142.1
Commitments - Small	\$28,687.4
Planned new starts 2016/17	\$5,286.46
Property acquisition	\$54,815.4
Minor safety & efficiency improvements	\$4,598.6
<b>Total committed and planned improvements</b>	<b>\$535,529.9</b>
OPERATIONS AND MAINTENANCE	
<b>Total operations and maintenance</b>	<b>\$68,456.4</b>
RENEWALS	
<b>Total renewals</b>	<b>\$26,960.2</b>
TRANSPORT PLANNING	
Programme Business Case	\$200.0
Activity Management Plans	\$0.0
<b>Total transport planning</b>	<b>\$200.0</b>
WALKING AND CYCLING	
<b>Total walking and cycling</b>	<b>\$2,020.0</b>
EMERGENCY REINSTATEMENT - COMMITMENTS	
<b>Total emergency reinstatement commitments</b>	<b>\$0.0</b>
<b>REGIONAL TOTAL</b>	<b>\$633,166.5</b>

## OPERATIONS, MAINTENANCE AND RENEWALS OF STATE HIGHWAYS

OPERATIONS AND MAINTENANCE WORK CATEGORY 2016/17	NORTHERN NOC (AUCKLAND)	AUCKLAND HARBOUR BRIDGE	WATERVIEW TUNNEL	AMA/AUCKLAND SOUTH NMA	AUCKLAND NON NMA	AUCKLAND TRAFFIC OPERATIONS CENTRE	NATIONAL JOURNEY MGR FOR AUCKLAND
Sealed pavement maintenance	\$968.4	\$55.3	\$0.0	\$804.0	\$0.0	\$0.0	\$0.0
Unsealed pavement maintenance	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Routine drainage maintenance	\$211.3	\$0.0	\$0.0	\$1,333.8	\$0.0	\$0.0	\$0.0
Structures maintenance	\$130.6	\$2,393.9	\$9,000.0	\$5,325.5	\$106.3	\$0.0	\$0.0
Environmental maintenance	\$641.9	\$0.0	\$0.0	\$11,028.7	\$0.0	\$0.0	\$0.0
Traffic services maintenance	\$544.0	\$0.0	\$0.0	\$3,032.7	\$160.0	\$0.0	\$0.0
Operational traffic management	\$163.1	\$0.0	\$0.0	\$7,963.6	\$0.0	\$5,554.9	\$0.0
Cycle path maintenance	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Level crossing warning devices	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Network and asset management	\$0.0	\$1,812.0	\$0.0	\$13,013.6	\$2,349.6	\$633.2	\$1,230.0
Property management	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
<b>Total</b>	<b>\$2,659.3</b>	<b>\$4,261.2</b>	<b>\$9,000.0</b>	<b>\$42,501.9</b>	<b>\$2,615.8</b>	<b>\$6,188.1</b>	<b>\$1,230.0</b>
RENEWAL WORK CATEGORY 2016/17							
Sealed road resurfacing	\$1,874.2	\$0.0	\$0.0	\$1,119.7	\$0.0	\$0.0	\$0.0
Drainage renewals	\$266.6	\$0.0	\$0.0	\$1,347.0	\$0.0	\$0.0	\$0.0
Pavement rehabilitation	\$793.7	\$1,564.8	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Structures component replacements	\$143.4	\$3,178.8	\$0.0	\$5,689.5	\$1,112.4	\$0.0	\$0.0
Environmental renewals	\$100.0	\$0.0	\$0.0	\$2,012.4	\$0.0	\$0.0	\$0.0
Traffic services renewals	\$83.0	\$0.0	\$0.0	\$6,512.3	\$0.0	\$1,162.5	\$0.0
<b>Total</b>	<b>\$3,260.8</b>	<b>\$4,743.6</b>	<b>\$0.0</b>	<b>\$16,680.9</b>	<b>\$1,112.4</b>	<b>\$1,162.5</b>	<b>\$0.0</b>

Regional and NOCs boundaries may not align. NOCs shown in predominant region.

Cashflows for committed projects are as at August 2016. Final financial position will determine funding availability for 2016/17. Level of activity for operations, maintenance & renewals, and potential new starts for 2016/17 will then be released in national priority order to match available funds.

# AUCKLAND

## IMPROVEMENTS OF STATE HIGHWAYS

COMMITMENTS - LARGE PROJECT PROGRAMME				\$000s	
	Project	Phase	2016/17	2017/18	2018/19
Committed	Vic Park Tunnel	Construction/Implementation (C)	\$1,774.0	\$0.0	\$0.0
Committed	Manukau Hbour. Xing	Pre Implementation (D)	\$212.1	\$0.0	\$0.0
Committed	Manukau Hbour. Xing	Construction/Implementation (C)	\$3,672.5	\$21,473.3	\$0.0
Committed	East West Connection	Detailed business case (I)	\$273.0	\$0.0	\$0.0
Committed	East West Connection	Pre Implementation (D)	\$16,246.1	\$9,744.0	\$0.0
Committed	East West Connection	Construction/Implementation (C)	\$13,385.5	\$0.0	\$157,735.0
Committed	SH1 Southern Corridor Improvements	Construction/Implementation (C)	\$74,621.2	\$70,326.3	\$31,262.2
Committed	NCI - Overall Package	Pre Implementation (D)	\$9,398.0	\$6,475.0	\$0.0
Committed	SH1 Main H/wy - Ell H/Wy NB Aux	Construction/Implementation (C)	\$3,584.3	\$0.0	\$0.0
Committed	AHB Storm Water Upgrade	Construction/Implementation (C)	\$10.0	\$0.0	\$0.0
Committed	Additional Waitemata Harbour Crossing	Detailed business case (I)	\$8,971.6	\$0.0	\$0.0
Committed	Newmarket Viaduct to Greenlane Aux	Construction/Implementation (C)	\$38.9	\$0.0	\$0.0
Committed	AHB Movable Lane Barrier	Construction/Implementation (C)	\$24.2	\$0.0	\$0.0
Committed	ATMS Stage IV	Construction/Implementation (C)	\$1,671.6	\$0.0	\$0.0
Committed	Warkworth Stage 1	Construction/Implementation (C)	\$894.4	\$0.0	\$0.0
Committed	AHB Extensions Structural Upgrade	Construction/Implementation (C)	\$1,000.0	\$0.0	\$0.0
Committed	Western Ring Route - RONS	Construction/Implementation (C)	\$212,791.8	\$43,099.9	\$12,850.0
Committed	SH1 Puhoi to Wellsford RoNS Development	Detailed business case (I)	\$3,687.0	\$5,771.0	\$2,593.0
Committed	SH1 Puhoi to Warkworth RoNS	Pre Implementation (D)	\$17,871.0	\$2,000.0	\$1,250.0
Committed	SH20A to Auckland Airport: Construct	Construction/Implementation (C)	\$71,814.8	\$22,000.0	\$0.0
Committed	Transport for Future Urban Growth (TFUG)	Studies	\$200.0	\$0.0	\$0.0
<b>Commitments large projects - Grand Total</b>			<b>\$442,142.1</b>	<b>\$180,889.5</b>	<b>\$205,690.2</b>

# AUCKLAND

COMMITMENTS - SMALL PROJECT PROGRAMME				\$000s		
	Project	Phase	2016/17	2017/18	2018/19	
Committed	ITS Portfolio of Works	Indicative business case	\$24,700.0	\$0.0	\$0.0	
Committed	SH22 Crown Road Improvements	Construction/Implementation (C)	\$201.8	\$0.0	\$0.0	
Committed	SH16 Muriwai Rd Intersection Improvement	Pre Implementation (D)	\$0.0	\$0.0	\$0.0	
Committed	SH16 Muriwai Rd Intersection Improvement	Construction/Implementation (C)	\$2,786.0	\$2,866.6	\$0.0	
Committed	HPMV - SH1-29-2 Auckland to Tauranga	Pre Implementation (D)	\$25.3	\$0.0	\$0.0	
Committed	HPMV - SH1-29-2 Auckland to Tauranga	Construction/Implementation (C)	\$236.6	\$0.0	\$0.0	
Committed	Victoria Park Viaduct Barrier Upgrade	Construction/Implementation (C)	\$748.7	\$0.0	\$0.0	
Committed	SH20 - Neilson St Ramps Upgrade	Construction/Implementation (C)	\$0.0	\$0.0	\$0.0	
Committed	Seismic Retrofit 2012-15 - Auckland	Construction/Implementation (C)	-\$11.0	\$0.0	\$0.0	
Committed	Minor Improvements 2015-18 - Auckland	Minor Improvements	\$4,598.6	\$0.0	\$0.0	
<b>Sub Total</b>			<b>\$33,286.0</b>	<b>\$2,866.6</b>	<b>\$0.0</b>	
Committed - W & C	Nelson Street Cycling Implementation	Construction/Implementation (C)	\$222.1	\$0.0	\$0.0	
Committed - W & C	Glen Innes - Tamaki Share Path Section 1	Construction/Implementation (C)	\$1,797.9	\$130.0	\$0.0	
<b>Sub Total</b>			<b>\$2,020.0</b>	<b>\$130.0</b>	<b>\$0.0</b>	
<b>Commitments small projects - Grand Total</b>			<b>\$35,306.0</b>	<b>\$2,996.6</b>	<b>\$0.0</b>	

# AUCKLAND

PLANNED NEW STARTS 2016/17 - LARGE PROJECT PROGRAMME			\$000s
Project	Phase	Programme type	2016/17
SH1 Dome Valley Safety Improvements	Indicative business case	New Works	\$720.0
Seapath	Detailed business case (I)	New Works	\$1,744.3
SH1: Dome Valley Safety Improvements	Detailed Business Case (I)	New Works	\$610.0
SH1: Dome Valley Safety Improvements	Pre Implementation (D)	New Works	\$220.0
SH16: Brigham Creek to Waimauku	Detailed Business Case (I)	New Works	\$610.0
SH16: Brigham Creek to Waimauku	Pre Implementation (D)	New Works	\$350.0
SH22: SH1 to Glenbrook Rd	Detailed Business Case (I)	New Works	\$265.0
SH22: SH1 to Glenbrook Rd	Pre Implementation (D)	New Works	\$67.1
<b>Sub Total</b>			<b>\$4,586.5</b>
SH20B and SH20 Airport Access	Programme Business Case	New Works	\$200.0
<b>Sub Total</b>			<b>\$200.0</b>
<b>Planned new starts large projects - Grand Total</b>			<b>\$4,786.5</b>

PLANNED NEW STARTS 2016/17 - SMALL PROJECT PROGRAMME			\$000s
Project	Phase	Programme type	2016/17
SH16 Kumeu to Bingham Creek	Indicative business case	New Works	\$700.0
<b>Planned new starts small projects - Grand Total</b>			<b>\$700.0</b>



# WAIKATO

## HIGHLIGHTS FOR 2016-17

### Operations, maintenance and renewals

- Achieving base preservation levels of renewals of 82km of reseals and 5kms of pavement rehabilitations across the region.
- Improving journey time reliability by keeping the network operating more efficiently.
- Continuing working with Hamilton City Council on their network operating framework to help optimise the use of the urban transport networks.

### State highways construction projects

- Start construction of the Longswamp section of the Waikato Expressway, and complete construction of the Rangiriri section.
- Substantial progress on the Huntly section, including completion of the bridge over the Mangawara Stream, installation of all culverts, and half of the main cutting excavated.
- Commence detailed design and statutory processes for the SH2 Pokeno to Mangatarata Corridor Improvement project.
- Construction well underway on the Hamilton section, the largest project on the Waikato Expressway.
- Indicative business case underway for the SH1 Cambridge to Piarere corridor.
- Indicative and detailed business cases completed for the regional accelerated programme projects on the SH3 Mt Messenger to Awakino Gorge Corridor.

### Customer engagement

- The community will be invited to view the Huntly section project up close during an open day in November.
- A Visitor Centre will be established at the site offices for the Hamilton section, providing an opportunity for members of the public to engage with the project team and learn more about the project.
- Social media and project webpages will continue to be key channels for customer engagement in the Waikato, including provision of accessible and useful customer travel information.

### Safety initiatives

- The Safe Roads Alliance will develop and implement a range of regional safety improvement projects aimed at reducing deaths and serious injuries.
- The Regional Speed Management demonstration programme will be implemented in close collaboration with all key stakeholders.
- Continue to deliver the minor works safety programme across the region.

### Strategic planning

- Continue to work with our Futureproof partners to consider the best ways of managing growth in the North Waikato and south Hamilton areas.
- Three business cases for SH1 between Cambridge and Waiouru.
- Business case for SH29 from Piarere to Tauriko.



# WAIKATO

## REGIONAL STATISTICS

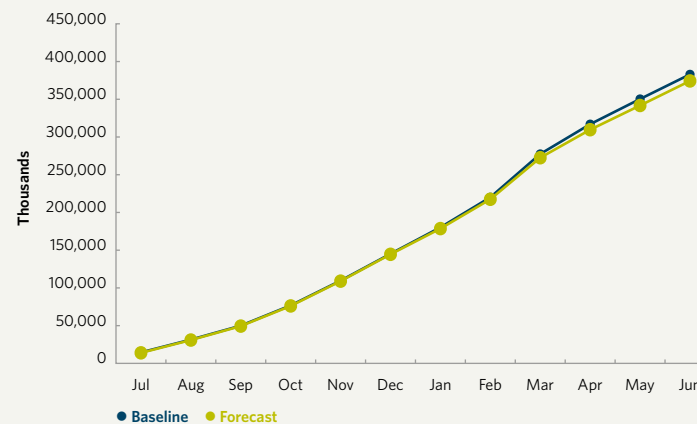
Population	439,100
Length of State highway in region (km)	1,735
% of National SH Network	16%
VkT (total) million	3,258
VkT (heavies only) million	430
% of National SH VkT %	20%

## EXPENDITURE BREAKDOWN (\$'000s)

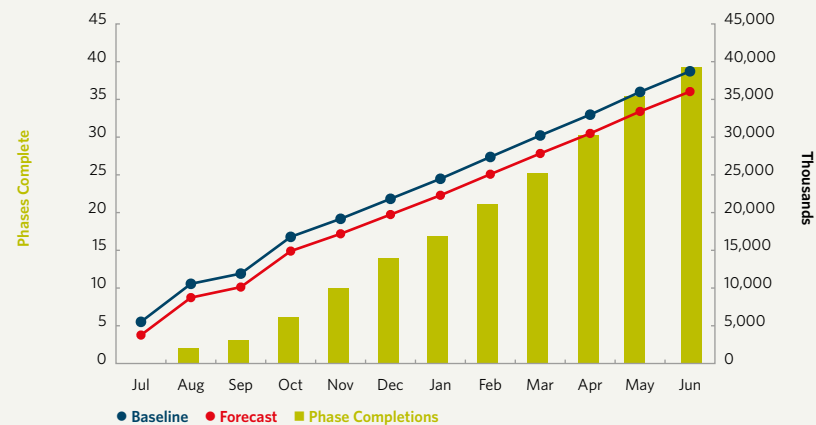
Improvements programme – Total committed and planned	\$434,338.6
Operations and Maintenance programme	\$30,680.1
Renewals Programme	\$16,826.9
Transport Planning Programme	\$2,500.0



## Large projects

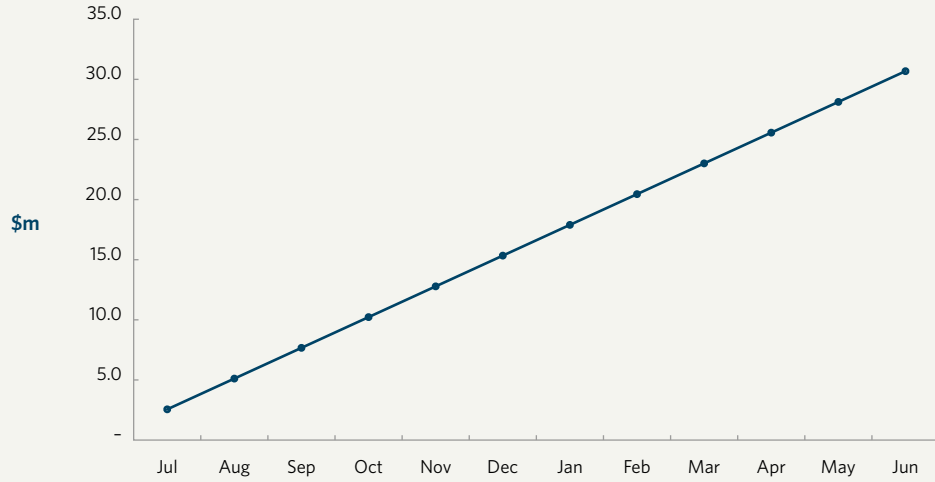


## Small projects

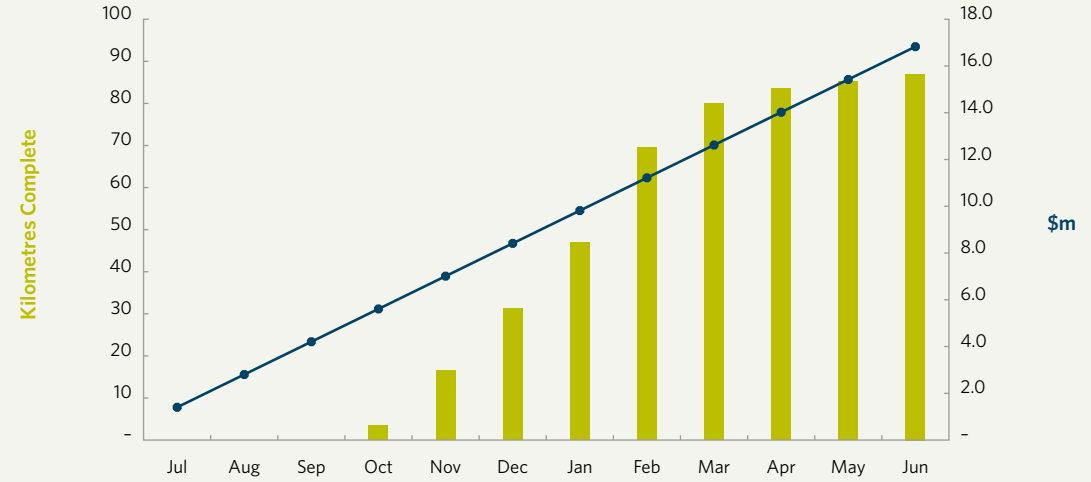


# WAIKATO

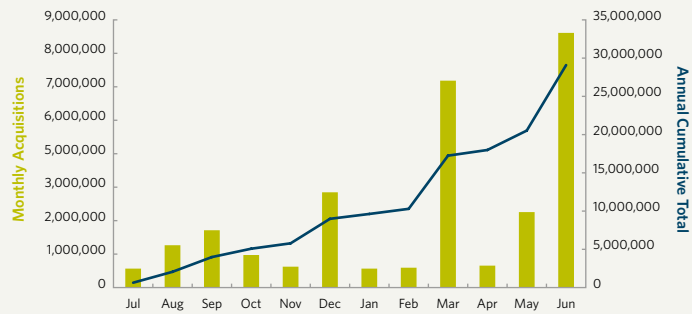
## Operations & maintenance



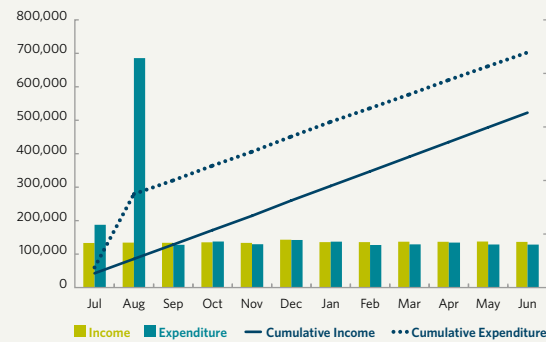
## Renewals



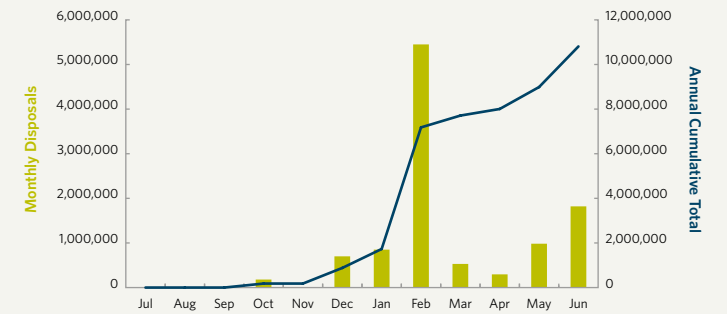
## Property acquisitions



## Property management



## Property disposal



# WAIKATO

## TOTAL PROGRAMME 2016/17

IMPROVEMENTS	\$000s
Commitments - Large	\$324,315.2
Commitments - Small	\$24,372.2
Planned new starts 2016/17	\$56,282.2
Property acquisition	\$29,087.0
Minor safety & efficiency improvements	\$282.0
<b>Total committed and planned improvements</b>	<b>\$434,338.6</b>
OPERATIONS AND MAINTENANCE	
<b>Total operations and maintenance</b>	<b>\$30,680.1</b>
RENEWALS	
<b>Total renewals</b>	<b>\$16,826.9</b>
TRANSPORT PLANNING	
Programme Business Case	\$2,500.0
Activity Management Plans	\$0.0
<b>Total transport planning</b>	<b>\$2,500.0</b>
WALKING AND CYCLING	
<b>Total walking and cycling</b>	<b>\$2,580.0</b>
EMERGENCY REINSTATEMENT - COMMITMENTS	
<b>Total emergency reinstatement commitments</b>	<b>\$0.0</b>
<b>REGIONAL TOTAL</b>	<b>\$484,345.6</b>

Regional and NOCs boundaries may not align. NOCs shown in predominant region.

Cashflows for committed projects are as at August 2016. Final financial position will determine funding availability for 2016/17. Level of activity for operations, maintenance & renewals, and potential new starts for 2016/17 will then be released in national priority order to match available funds.

## OPERATIONS, MAINTENANCE AND RENEWALS OF STATE HIGHWAYS

OPERATIONS AND MAINTENANCE WORK CATEGORY 2016/17	WEST WAIKATO NORTH	WEST WAIKATO SOUTH	CENTRAL WAIKATO	EAST WAIKATO NOC	HAMILTON NON NMA
Sealed pavement maintenance	\$1,296.8	\$1,617.2	\$1,674.6	\$319.3	\$0.0
Unsealed pavement maintenance	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Routine drainage maintenance	\$761.5	\$433.0	\$495.4	\$236.7	\$0.0
Structures maintenance	\$478.9	\$150.2	\$330.8	\$363.8	\$0.0
Environmental maintenance	\$1,510.3	\$682.0	\$1,926.3	\$273.4	\$0.0
Traffic services maintenance	\$1,381.8	\$969.2	\$2,220.6	\$294.1	\$850.0
Operational traffic management	\$0.5	\$264.2	\$20.1	\$104.8	\$0.0
Cycle path maintenance	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Level crossing warning devices	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Network and asset management	\$2,213.3	\$2,924.4	\$2,168.8	\$1,785.3	\$2,933.0
Property management	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
<b>Total</b>	<b>\$7,643.1</b>	<b>\$7,040.2</b>	<b>\$8,836.6</b>	<b>\$3,377.2</b>	<b>\$3,783.0</b>
RENEWAL WORK CATEGORY 2016/17					
Sealed road resurfacing	\$1,288.9	\$1,262.9	\$2,256.9	\$4,087.2	\$0.0
Drainage renewals	\$1,125.3	\$145.7	\$167.3	\$89.7	\$0.0
Pavement rehabilitation	\$435.9	\$0.0	\$1,394.4	\$1,257.2	\$0.0
Structures component replacements	\$404.0	\$0.0	\$150.0	\$0.0	\$1,952.7
Environmental renewals	\$270.0	\$0.0	\$0.0	\$0.0	\$0.0
Traffic services renewals	\$61.3	\$20.1	\$165.8	\$291.5	\$0.0
<b>Total</b>	<b>\$3,585.5</b>	<b>\$1,428.7</b>	<b>\$4,134.5</b>	<b>\$5,725.6</b>	<b>\$1,952.7</b>

# WAIKATO

## IMPROVEMENTS OF STATE HIGHWAYS

COMMITMENTS - LARGE PROJECT PROGRAMME				\$000s	
	Project	Phase	2016/17	2017/18	2018/19
Committed	SH25 Kopu Bridge Replacement -Kirikiri	Pre Implementation (D)	\$297.3	\$0.0	\$0.0
Committed	SH25 Kopu Bridge Replacement	Construction/Implementation (C)	\$62.8	\$0.0	\$0.0
Committed	SH1 WEx Long Swamp Section	Construction/Implementation (C)	\$37,713.5	\$51,958.0	\$23,950.0
Committed	SH1 WEx Ngaruawahia Section	Construction/Implementation (C)	\$5.0	\$0.0	\$0.0
Committed	SH1 WEx Huntly Section	Construction/Implementation (C)	\$68,411.3	\$76,088.4	\$56,395.3
Committed	SH1 WEx Hamilton Section	Construction/Implementation (C)	\$162,555.7	\$134,850.0	\$133,400.0
Committed	SH1 WEX Cambridge Section	Construction/Implementation (C)	\$19,183.4	\$758.5	\$359.3
Committed	SH3 Awakino Tunnel Bypass	Detailed business case (I)	\$604.3	\$0.0	\$0.0
Committed	SH3 Awakino Tunnel Bypass	Pre Implementation (D)	\$500.0	\$1,500.0	\$0.0
Committed	SH1 WEx Te Rapa Section	Construction/Implementation (C)	\$55.0	\$0.0	\$0.0
Committed	SH1 Cobham/Cambridge Improvement	Pre Implementation (D)	\$144.0	\$0.0	\$0.0
Committed	SH1 Cobham/Cambridge Improvement	Construction/Implementation (C)	\$174.8	\$3,655.0	\$645.0
Committed	SH1/25 Intersection Improvements	Pre Implementation (D)	\$3.4	\$0.0	\$0.0
Committed	SH1/25 Intersection Improvements	Construction/Implementation (C)	\$100.0	\$39.8	\$0.0
Committed	Hamilton Southern Links	Detailed business case (I)	\$60.0	\$20.0	\$0.0
Committed	SH1 WEx Rangiriri Section	Construction/Implementation (C)	\$14,960.7	\$0.0	\$0.0
Committed	SH2: Pokeno to SH25 Safe Syst Demo:Sec. A	Detailed business case (I)	-\$8.7	\$0.0	\$0.0
Committed	SH2 Pokeno to SH25 Safe Syst Demo:Sec C	Detailed business case (I)	\$1,380.0	\$0.0	\$0.0
Committed	SH2: Pokeno to SH25 Safe Syst Demo:Sec D	Pre Implementation (D)	\$2,187.8	\$0.0	\$0.0

# WAIKATO

COMMITMENTS - LARGE PROJECT PROGRAMME				\$000s		
	Project	Phase	2016/17	2017/18	2018/19	
Committed	SH2:Pokeno to SH25 Safe Syst Demo: Sec E	Detailed business case (I)	\$111.0	\$0.0	\$0.0	
Committed	SH1 Atiamuri Bridge Replacement	Construction/Implementation (C)	\$320.0	\$0.0	\$0.0	
Committed	SH26 Kirikiri Stream Bridge Replacement	Pre Implementation (D)	\$477.7	\$0.0	\$0.0	
Committed	WExp Programme Office	Detailed business case (I)	\$1,135.0	\$1,145.0	\$1,045.0	
Committed	SH1 (Cambridge to Piarere), NSRRP LT	Indicative business case	\$1,597.5	\$263.7	\$0.0	
Committed	SH1 (Cambridge to Piarere), NSRRP ST	Detailed business case (I)	\$223.6	\$2,723.8	\$321.4	
Committed	SH1 (Cambridge to Piarere), NSRRP	Detailed business case (I)	\$223.6	\$2,723.8	\$321.4	
Committed	SH3: Ohaupo to Te Awamutu	Pre Implementation (D)	\$39.655	\$0.0	\$0.0	
Committed	SH3: Ohaupo to Te Awamutu	Construction/Implementation (C)	\$11,422.8	\$1,069.0	\$0.0	
Committed	SH23: Waitetuna to Raglan	Pre Implementation (D)	\$158.8	\$0.0	\$0.0	
<b>Commitments large projects - Grand Total</b>			<b>\$324,099.9</b>	<b>\$276,794.7</b>	<b>\$216,437.4</b>	

# WAIKATO

COMMITMENTS – SMALL PROJECT PROGRAMME					\$000s	
	Project	Phase	2016/17	2017/18	2018/19	
Committed	SH5 (Mihi to Wairakei), NSRRP	Indicative business case	\$65.0	\$0.0	\$0.0	
Committed	SH1B (Taupiri to Gordonton),NSRRP	Indicative business case	\$10.4	\$0.0	\$0.0	
Committed	SH37 ( SH3 to Waitomo),NSRRP	Indicative business case	-\$63.6	\$0.0	\$0.0	
Committed	SH3 (SH37 to Te Kuiti),NSRRP	Indicative business case	-\$148.2	\$0.0	\$0.0	
Committed	SH3 (SH37 to Te Kuiti),NSRRP	Pre Implementation (D)	\$133.4	\$0.0	\$0.0	
Committed	SH3 Te Awamutu to Otorohonga Imp NSRRP	Detailed business case (I)	-\$75.0	\$0.0	\$0.0	
Committed	SH23 (Hamilton to Whatawhata), NSRRP	Indicative business case	-\$93.9	\$0.0	\$0.0	
Committed	Road Safety Promotion 15/18 – Waikato	Construction/Implementation (C)	\$120.0	\$120.0	\$0.0	
Committed	SH1/5 Tirau Improvements	Construction/Implementation (C)	\$118.7	\$0.0	\$0.0	
Committed	SH1 Gallagher Drive Intersection	Construction/Implementation (C)	\$2,203.7	\$1.3	\$0.0	
Committed	SH2/25 intersection upgrade	Pre Implementation (D)	\$3.4	\$0.0	\$0.0	
Committed	SH2/25 intersection upgrade	Construction/Implementation (C)	\$100.0	\$39.6	\$0.0	
Committed	SH3 Waitomo Road Intersection SI	Construction/Implementation (C)	\$38.2	\$0.0	\$0.0	
Committed	Community Advertising 9/15 – Waikato	Construction/Implementation (C)	\$127.6	\$0.0	\$0.0	
Committed	SH3/SH21 Intersection Improvement	Detailed business case (I)	\$26.7	\$0.0	\$0.0	
Committed	SH3/SH21 Intersection Improvement	Construction/Implementation (C)	\$342.2	\$56.4	\$56.4	
Committed	Southern Coromandel Motorcycle Safety	Construction/Implementation (C)	\$30.0	\$0.0	\$0.0	
Committed	SH1 (Taupo to Waiouru) PBC	Studies	\$50.0	\$0.0	\$0.0	
Committed	Hamilton Urban Optimisation PBC	Studies	\$65.0	\$10.0	\$0.0	
Committed	Minor Improvements 2015-18 – Waikato	Minor Improvements	\$282.0	\$0.0	\$0.0	
Committed	SH1 (Piarere to Taupo) Improvements PBC	Studies	\$18.0	\$0.0	\$0.0	
Committed	SH3: SH37 to Te Kuiti	Construction/Implementation (C)	\$6,050.0	\$0.0	\$0.0	
Committed	SH37: SH3 to Waitomo	Construction/Implementation (C)	\$932.4	\$0.0	\$0.0	
Committed	SH1B: Taupiri to Gordonton	Pre Implementation (D)	\$52.9	\$0.0	\$0.0	

# WAIKATO

COMMITMENTS - SMALL PROJECT PROGRAMME				\$000s	
	Project	Phase	2016/17	2017/18	2018/19
Committed	SH1B: Taupiri to Gordonton	Construction/Implementation (C)	\$3,579.1	\$0.0	\$0.0
Committed	SH23 (Hamilton to Whatawhata) NSRRP TPAC	Pre Implementation (D)	\$278.8	\$0.0	\$0.0
Committed	SH23 (Hamilton to Whatawhata) NSRRP TPAC	Construction/Implementation (C)	\$10,273.5	\$4,342.6	\$0.0
Committed	SH27:SH26:SH24	Pre Implementation (D)	\$134.0	\$0.0	\$0.0
<b>Sub Total</b>			<b>\$24,654.2</b>	<b>\$4,569.9</b>	<b>\$56.4</b>
Committed - W & C	Kahikatea Dr Greenwood Walking & Cycling	Construction/Implementation (C)	\$3.0	\$0.0	\$0.0
Committed - W & C	SH3 Ohaupo Rd W&C (Lorne to Dixon)	Pre Implementation (D)	\$143.7	\$0.0	\$0.0
Committed - W & C	SH3 Ohaupo Rd W&C (Lorne to Dixon)	Construction/Implementation (C)	\$1,033.4	\$0.0	\$0.0
<b>Sub Total</b>			<b>\$1,180.0</b>	<b>\$0.0</b>	<b>\$0.0</b>
<b>Commitments small projects - Grand Total</b>			<b>\$25,834.2</b>	<b>\$4,569.9</b>	<b>\$56.4</b>

PLANNED NEW STARTS 2016/17 - LARGE PROJECT PROGRAMME				\$000s
Project	Phase	Programme type	2016/17	
Enhanced Network Resilience Waikato	Construction/Implementation (C)	New Works	\$0.0	
SH2 Pokeno to Mangatarata Improvements	Pre Implementation (D)	New Works	\$8,000.0	
SH2 Pokeno to Mangatarata Improvements	Construction/Implementation (C)	New Works	\$3,300.0	



# WAIKATO

PLANNED NEW STARTS 2016/17 – LARGE PROJECT PROGRAMME				\$000s
Project	Phase	Programme type	2016/17	
SH162 Kirikiri Stream Bridge Replacement	Construction/Implementation (C)	New Works	\$50.0	
SH3 Airport Road to Ohaupo NSRRP	Detailed Business Case (I)	New Works	\$0.0	
SH5 Tirau to Taupo (via Rotorua) TPAC	Studies	New Works	\$300.0	
Weigh Facility – Waikato	Pre Implementation (D)	New Works	\$0.0	
Weigh Facility – Waikato	Construction/Implementation (C)	New Works	\$0.0	
WExp Programme Office	Pre Implementation (D)	New Works	\$1,140.0	
HPMV T2: SH24, 29 to 27	Pre Implementation (D)	New Works	\$50.0	
HPMV T2: SH24, 29 to 27	Construction/Implementation (C)	New Works	\$992.0	
HPMV T2: SH26	Pre Implementation (D)	New Works	\$175.0	
HPMV T2: SH26	Construction/Implementation (C)	New Works	\$11,620.0	
HPMV T2: SH27	Pre Implementation (D)	New Works	\$115.0	
HPMV T2: SH27	Construction/Implementation (C)	New Works	\$868.0	
HPMV T2: SH32	Pre Implementation (D)	New Works	\$43.0	
HPMV T2: SH32	Construction/Implementation (C)	New Works	\$200.0	
HPMV T2: SH41	Pre Implementation (D)	New Works	\$109.0	
HPMV T2: SH41	Construction/Implementation (C)	New Works	\$420.0	
SH1: Putaruru to Tokoroa	Detailed Business Case (I)	New Works	\$275.8	
SH1: Puketarata to Manawatu Boundary	Detailed Business Case (I)	New Works	\$102.2	
SH1: Puketarata to Manawatu Boundary	Pre Implementation (D)	New Works	\$134.3	
SH1: Puketarata to Manawatu Boundary	Construction/Implementation (C)	New Works	\$223.8	
SH1: Atiamuri to Wairakei	Detailed Business Case (I)	New Works	\$124.1	
SH29: SH24 to Piarere	Detailed Business Case (I)	New Works	\$120.0	
SH29: SH24 to Piarere	Pre Implementation (D)	New Works	\$5.0	
SH1: Piarere to Tirau	Detailed Business Case (I)	New Works	\$53.6	

# WAIKATO

PLANNED NEW STARTS 2016/17 - LARGE PROJECT PROGRAMME				\$000s
Project	Phase	Programme type	2016/17	
SH1: Cambridge to Pairere	Pre Implementation (D)	New Works	\$283.5	
SH1: Cambridge to Pairere	Construction/Implementation (C)	New Works	\$6,000.0	
SH1 Waikato Expressway Barrier infill	Construction/Implementation (C)	New Works	\$8,500.0	
SH23: Waitetuna to Raglan	Construction/Implementation (C)	New Works	\$4,200.0	
SH3 Hamilton to Ohaupo	Detailed Business Case (I)	New Works	\$185.0	
SH3 Hamilton to Ohaupo	Pre Implementation (D)	New Works	\$95.0	
SH2: Paeroa to Waihi	Detailed Business Case (I)	New Works	\$20.0	
<b>Sub Total</b>			<b>\$47,704.2</b>	
Hamilton Urban Optimisation TPAC	Programme Business Case	New Works	\$65.0	
SH1 Bombay to Long Swamp TPAC	Programme Business Case	New Works	\$2,125.0	
SH2: Paeroa to Waihi	Programme Business Case	New Works	\$85.0	
<b>Sub Total</b>			<b>\$2,275.0</b>	
<b>Planned new starts large - Grand Total</b>			<b>\$49,979.2</b>	

# WAIKATO

PLANNED NEW STARTS 2016/17 – SMALL PROJECT PROGRAMME			\$000s
Project	Phase	Programme type	2016/17
HPMV T2 SH30/SH34 Te Kuiti to Whakatane	Pre Implementation (D)	New Works	\$0.0
SH1 (East Taupo Arterial), NSRRP	Construction/Implementation (C)	New Works	\$3,000.0
SH25 Coromandel Motorcycle Demonstration Project – stage 2	Pre Implementation (D)	New Works	\$100.0
SH25 Coromandel Motorcycle Demonstration Project – stage 2	Construction/Implementation (C)	New Works	\$1,200.0
SH1: Waikato Expressway Barrier Infill	Construction/Implementation (C)	New Works	\$1,635.9
SH1: Hatepe Hill to Turangi	Detailed Business Case (I)	New Works	\$150.0
SH1: Hatepe Hill to Turangi	Pre Implementation (D)	New Works	\$80.0
SH5: Mihi to Wairakei	Detailed Business Case (I)	New Works	\$250.0
SH5: Mihi to Wairakei	Pre Implementation (D)	New Works	\$190.0
SH5: Mihi to Wairakei	Construction/Implementation (C)	New Works	\$1,000.0
SH3 Te Awamutu to Otorohanga	Pre Implementation (D)	New Works	\$58.7
SH3 Te Awamutu to Otorohanga	Construction/Implementation (C)	New Works	\$703.4
SH27:SH26:SH24	Detailed Business Case (I)	New Works	\$210.0
<b>Sub Total</b>			<b>\$8,578.0</b>
SH1 Cambridge Road Improvements	Programme Business Case	New Works	\$225.0
<b>Sub Total</b>			<b>\$225.0</b>
SH1 Cobham Drive Pedestrian Facility	Construction/Implementation (C)	New Works	\$1,400.0
<b>Sub Total</b>			<b>\$1,400.0</b>
<b>Planned new starts small projects – Grand Total</b>			<b>\$10,203.0</b>

# BAY OF PLENTY

## HIGHLIGHTS FOR 2016-17

### Operations, maintenance and renewals

- Continue to develop and improve the delivery under Network Outcome Contracts (NOCs).
- Continue to develop HPMV routes between Waihi to Tauranga and Tauranga to Opotiki.
- Complete deck replacement on Pekatahi bridge.
- Work collaboratively with seven councils to deliver efficiencies across the Bay of Plenty one network.

### State highways – projects in development

- Northern Corridor Safe System Programme (SH2) – implementation of SH2 safety improvement works, including progression of Tauranga Northern Link design, consenting and property acquisition.
- Tauriko upgrade (SH29) – confirm the Tauriko Improvement Plan and programme business case.

### State highways – construction property

- Continue construction of the Hairini Link Stage 4 (Maungatapu underpass) underpass due to complete 2018.
- Maunganui-Girven Intersection (Baypark to Bayfair B2B) – complete the enabling works to relocate railway and remove houses. Appointment of main contractor for \$100M main works package.
- Begin construction of SH 5/30 new roundabout in Rotorua (fourth most dangerous roundabout in New Zealand).
- Construction of new roundabout on SH2 at Minden/Te Puna.
- Construction of new cycle path and over bridge over SH29 at Poike Rd.
- Rotorua Improvement works package – improvements along Te Nae Rd.

### Customer engagement

- Continue to grow positive relationships with key stakeholders and ensure they have visibility of our priorities and vision.
- Invest in the right equipment and systems so we can improve the accuracy and timeliness of journey information to our customers.
- Be responsive when there are outages on our network and be proactive in improving the resilience of the network.
- Continue to focus on robust consultation and early community engagement on key projects and initiatives.
- Continue safety initiatives.
- Tauranga Eastern Link – additional works to mitigate safety concerns at drivers entering toll road in wrong direction.
- Deliver the minor improvement safety programme.
- Begin safety improvement on Te Puke Corridor (SH2 measures).
- Deliver the roads and roadsides stream of the Bay of Plenty East Signature Safety Project.

### Strategic planning

- Develop and implement Network Operating Plans across Tauranga with council and other stakeholders.
- Work with SmartGrowth to develop programme business cases across strategic corridors identified in the Tauranga Transport Strategy (TTS).
- Finalise the State Highway Activity Management Plan (SHAMP) for Bay of Plenty.
- Contribute to the development of the Eastern Bay of Plenty Safe System Signature Project.



# BAY OF PLENTY

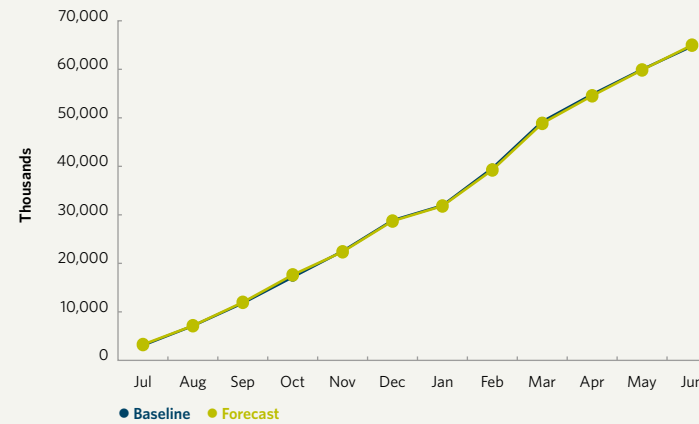
## REGIONAL STATISTICS

Population	287,100
Length of State highway in region (km)	770
% of National SH Network	7%
VkT (total) million	1,595
VkT (heavies only) million	176
% of National SH VkT %	8%

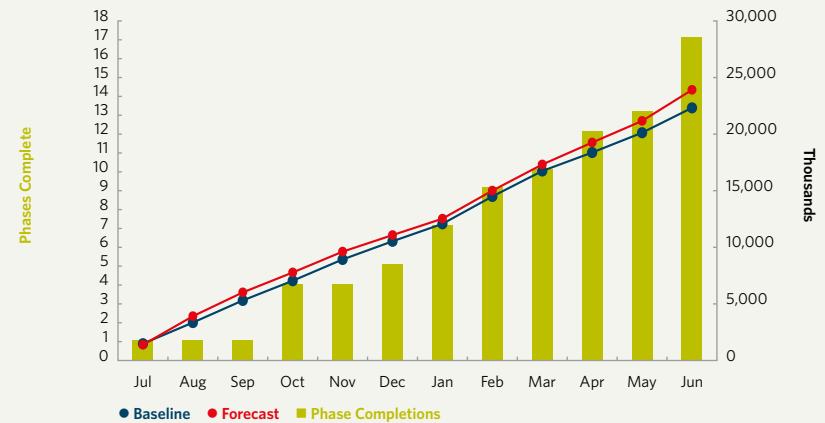
## EXPENDITURE BREAKDOWN (\$000s)

Improvements programme – Total committed and planned	\$101,544.0
Operations and Maintenance programme	\$20,327.0
Renewals Programme	\$14,127.3
Transport Planning Programme	\$0.0

## Large projects

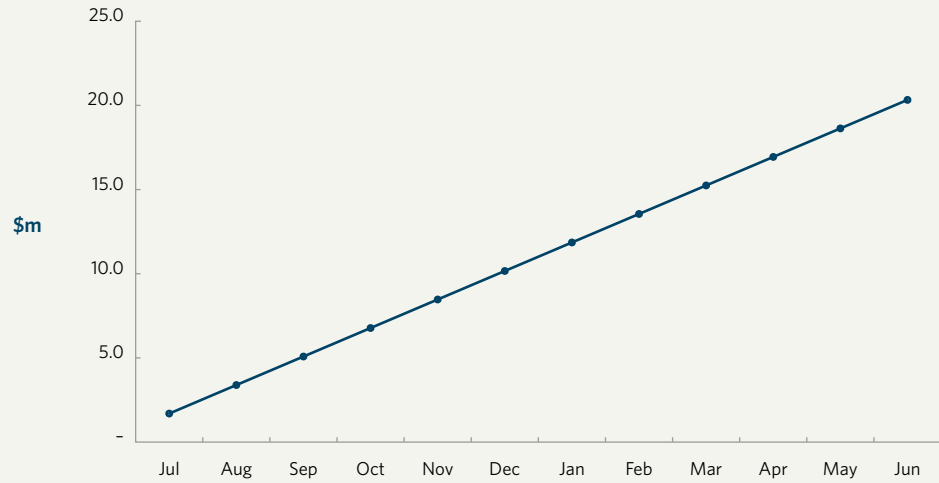


## Small projects

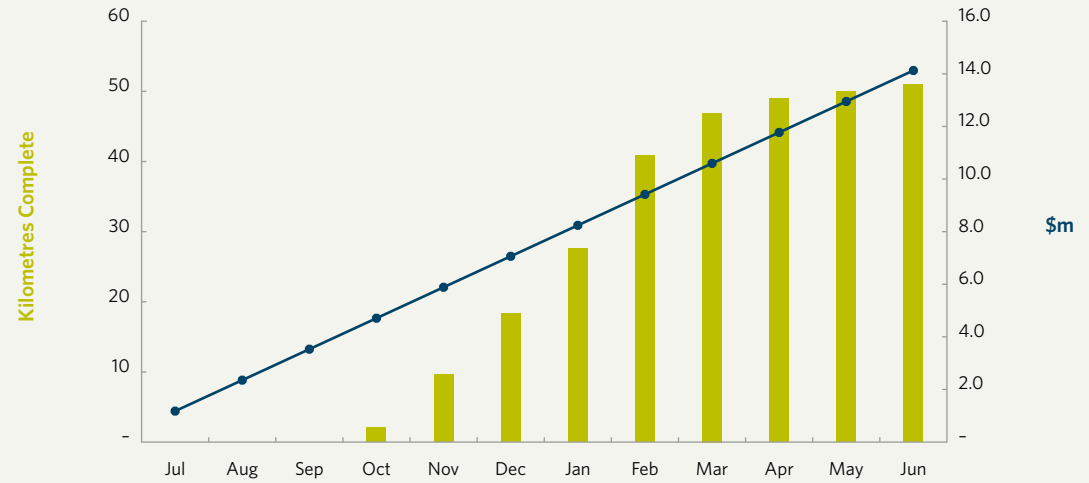


# BAY OF PLENTY

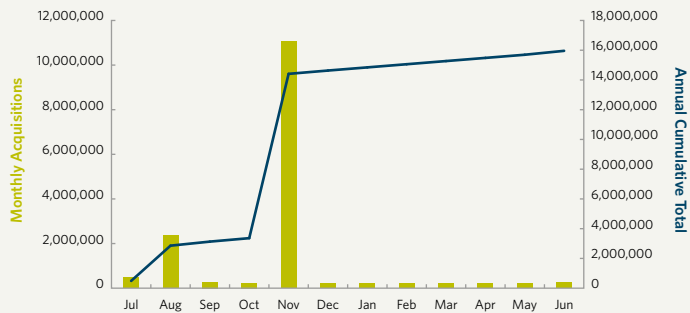
## Operations & maintenance



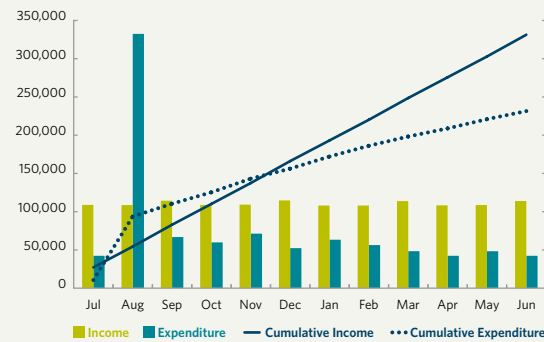
## Renewals



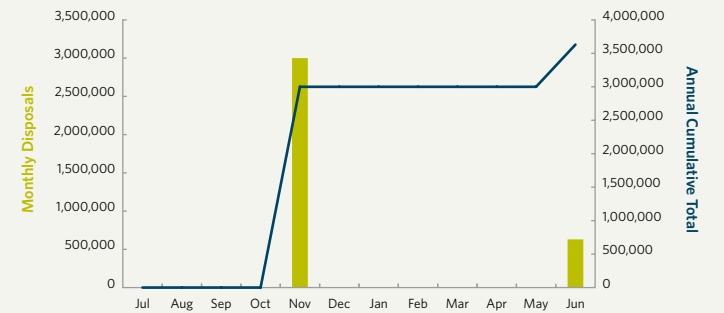
## Property acquisitions



## Property management



## Property disposal



# BAY OF PLENTY

## TOTAL PROGRAMME 2016/17

IMPROVEMENTS	\$000s
Commitments - Large	\$62,134.3
Commitments - Small	\$15,458.2
Planned new starts 2016/17	\$4,077.1
Property acquisition	\$15,957.6
Minor safety & efficiency improvements	\$3,916.9
<b>Total committed and planned improvements</b>	<b>\$101,544.0</b>
OPERATIONS AND MAINTENANCE	
<b>Total operations and maintenance</b>	<b>\$20,327.0</b>
RENEWALS	
<b>Total renewals</b>	<b>\$14,127.3</b>
TRANSPORT PLANNING	
Programme Business Case	\$0.0
Activity Management Plans	\$0.0
<b>Total transport planning</b>	<b>\$0.0</b>
WALKING AND CYCLING	
<b>Total walking and cycling</b>	<b>\$1,726.0</b>
EMERGENCY REINSTATEMENT - COMMITMENTS	
<b>Total emergency reinstatement commitments</b>	<b>\$1,564.6</b>
REGIONAL TOTAL	<b>\$139,288.9</b>

Regional and NOCs boundaries may not align. NOCs shown in predominant region.

Cashflows for committed projects are as at August 2016. Final financial position will determine funding availability for 2016/17. Level of activity for operations, maintenance & renewals, and potential new starts for 2016/17 will then be released in national priority order to match available funds.

## OPERATIONS, MAINTENANCE AND RENEWALS OF STATE HIGHWAYS

OPERATIONS AND MAINTENANCE WORK CATEGORY 2016/17	BOP EAST NOC	BOP EAST NON NOC	BOP WEST ONMC NOC	BOP WEST ONMC NON NOC
Sealed pavement maintenance	\$2,657.0	\$0.0	\$1,775.2	\$20.0
Unsealed pavement maintenance	\$0.0	\$0.0	\$0.0	\$0.0
Routine drainage maintenance	\$391.5	\$0.0	\$473.2	\$0.0
Structures maintenance	\$145.2	\$88.3	\$583.5	\$523.0
Environmental maintenance	\$1,444.6	\$15.5	\$2,579.8	\$41.0
Traffic services maintenance	\$813.5	\$561.8	\$961.3	\$700.0
Operational traffic management	\$40.0	\$445.4	\$56.7	\$490.0
Cycle path maintenance	\$0.0	\$0.0	\$26.4	\$0.0
Level crossing warning devices	\$0.0	\$0.0	\$0.0	\$0.0
Network and asset management	\$2,599.6	\$478.6	\$1,881.5	\$534.4
Property management	\$0.0	\$0.0	\$0.0	\$0.0
<b>Total</b>	<b>\$8,091.3</b>	<b>\$1,589.7</b>	<b>\$8,337.6</b>	<b>\$2,308.4</b>
RENEWAL WORK CATEGORY 2016/17				
Sealed road resurfacing	\$2,678.0	\$0.0	\$1,167.8	\$0.0
Drainage renewals	\$53.0	\$0.0	\$220.7	\$0.0
Pavement rehabilitation	\$220.2	\$0.0	\$2,209.0	\$0.0
Structures component replacements	\$0.0	\$5,630.0	\$0.0	\$527.6
Environmental renewals	\$0.0	\$134.2	\$0.0	\$86.4
Traffic services renewals	\$78.1	\$741.0	\$0.0	\$381.3
<b>Total</b>	<b>\$3,029.3</b>	<b>\$6,505.2</b>	<b>\$3,597.5</b>	<b>\$995.4</b>

# BAY OF PLENTY

## IMPROVEMENTS OF STATE HIGHWAYS

COMMITMENTS - LARGE PROJECT PROGRAMME			\$000s		
	Project	Phase	2016/17	2017/18	2018/19
Committed	Tauranga Northern Link	Detailed business case (I)	\$9.0	\$0.0	\$0.0
Committed	Tauranga Northern Link	Pre Implementation (D)	\$3,216.4	\$3,118.9	\$779.7
Committed	Tauranga Northern Link	Construction/Implementation (C)	-\$1.0	\$0.0	\$20,466.8
Committed	Route K conversion to ETC	Construction/Implementation (C)	\$1,090.0	\$0.0	\$0.0
Committed	HPMVa: Edgecumbe to Opotiki	Pre Implementation (D)	\$62.5	\$0.0	\$0.0
Committed	HPMVa: Edgecumbe to Opotiki	Construction/Implementation (C)	\$2,100.0	\$0.0	\$0.0
Committed	Rotorua Eastern Arterial	Detailed business case (I)	\$37.8	\$0.0	\$0.0
Committed	Maunganui-Girven Rd Intsctn Imprv (MGI)	Pre Implementation (D)	\$1,995.0	\$0.0	\$0.0
Committed	Maunganui-Girven Rd Intsctn Imprv (MGI)	Construction/Implementation (C)	\$15,573.0	\$40,110.0	\$47,430.0
Committed	Arden Cottage Curves Realignment	Construction/Implementation (C)	\$75.0	\$0.0	\$0.0
Committed	TEL Tauranga Eastern Link	Construction/Implementation (C)	\$14,497.9	\$12,274.5	\$0.0
Committed	Hairini Link - Stage 4	Construction/Implementation (C)	\$15,720.0	\$6,000.0	\$2,000.0
Committed	Minden Te Puna Intersection Improv	Detailed business case (I)	\$5.4	\$0.0	\$0.0
Committed	Minden Te Puna Intersection Improvement	Construction/Implementation (C)	\$7,364.3	\$0.0	\$0.0
Committed	SH2 Waihi to Tga (W2T) Corridor Safety	Detailed business case (I)	\$222.9	\$0.0	\$0.0
Committed	SH30: Owata to Te Ngae Junction	Detailed Business Case (I)	\$166.1	\$0.0	\$0.0
<b>Commitments large projects - Grand Total</b>			<b>\$62,134.3</b>	<b>\$61,503.4</b>	<b>\$70,676.5</b>



# BAY OF PLENTY

COMMITMENTS – SMALL PROJECT PROGRAMME				\$000s		
	Project	Phase	2016/17	2017/18	2018/19	
Committed	Road Safety Promotion 15/18 -BoP	Construction/Implementation (C)	\$154.8	\$143.7	\$0.0	
Committed	HPMV T2 SH30/SH34 Te Kuiti to Whakatane	Construction/Implementation (C)	\$429.8	\$0.0	\$0.0	
Committed	Rotoma Bluff SVB	Detailed business case (I)	\$33.3	\$0.0	\$0.0	
Committed	Rotoma Hills PL	Detailed business case (I)	\$32.4	\$0.0	\$0.0	
Committed	SH29 Eastern Kaimai Safe System Corridor	Pre Implementation (D)	\$0.2	\$0.0	\$0.0	
Committed	SH29 Eastern Kaimai Safe System Corridor	Construction/Implementation (C)	-\$5.6	\$0.0	\$0.0	
Committed	SH2 Takitimu Dr Elizabeth St Int-Interim	Pre Implementation (D)	\$72.9	\$0.0	\$0.0	
Committed	HPMV – SH2 Waihi to Port of Tauranga	Construction/Implementation (C)	\$2,536.6	\$0.0	\$0.0	
Committed	SH5/SH30 Hemo Road/Old Taupo Road Safer	Indicative business case	-\$2.6	\$0.0	\$0.0	
Committed	SH5/SH30 Hemo Road/Old Taupo Road Safer	Pre Implementation (D)	\$219.0	\$0.0	\$0.0	
Committed	SH5/SH30 Hemo Road/Old Taupo Road Safer	Construction/Implementation (C)	\$7,856.3	\$0.0	\$0.0	
Committed	Tauriko Network Plan,TTS	Studies	\$80.0	\$0.0	\$0.0	
Committed	SH29 Piarere to Tauriko	Studies	\$56.4	\$0.0	\$0.0	
Committed	Minor Improvements 2015-18 – BOP	Minor Improvements	\$3,916.9	\$0.0	\$0.0	
Committed	SH30: Te Teko to Awakeri	Pre Implementation (D)	\$9.8	\$0.0	\$0.0	
Committed	SH30: Te Teko to Awakeri	Construction/Implementation (C)	\$3,831.0	\$0.0	\$0.0	
Committed	SH33: Te Ngae Junction to Sun Valley North	Detailed Business Case (I)	\$41.8	\$0.0	\$0.0	
Committed	SH2: Wainui Rd to Opotiki	Detailed Business Case (I)	\$112.3	\$0.0	\$0.0	
<b>Sub Total</b>			<b>\$19,375.1</b>	<b>\$143.7</b>	<b>\$0.0</b>	

# BAY OF PLENTY

COMMITMENTS - SMALL PROJECT PROGRAMME				\$000s	
	Project	Phase	2016/17	2017/18	2018/19
Committed - emergency works	SH 35 Maraenui Slip Sept 2015	Emergency Works	\$200.0	\$0.0	\$0.0
Committed - emergency works	BOPE EW Waioeka Midway overslip	Emergency Works	\$128.5	\$0.0	\$0.0
Committed - emergency works	BOPE EW SH5 Tomos	Emergency Works	\$850.0	\$0.0	\$0.0
Committed - emergency works	EW SH35 Torere Bridge August 2012	Emergency Works	\$386.1	\$0.0	\$0.0
<b>Sub Total</b>			<b>\$1,564.6</b>	<b>\$0.0</b>	<b>\$0.0</b>
Committed - W & C	Poike Road Pedestrian & Cycle Facility	Construction/Implementation (C)	\$1,726.0	\$210.0	\$0.0
<b>Sub Total</b>			<b>\$1,726.0</b>	<b>\$210.0</b>	<b>\$0.0</b>
<b>Commitments small projects - Grand Total</b>			<b>\$22,665.7</b>	<b>\$353.7</b>	<b>\$0.0</b>

PLANNED NEW STARTS 2016/17 - LARGE PROJECT PROGRAMME				\$000s
Project	Phase	Programme type	2016/17	
SH2 Northern Corridor Safe System Programme	Pre Implementation (D)	New Works	\$0.0	
SH2/Wainui Road (Matekerepu) Route Security Improvements	Indicative business case	New Works	\$0.0	
SH2/Wainui Road (Matekerepu) Route Security Improvements	Pre Implementation (D)	New Works	\$0.0	
SH30A Urban Revitalisation, RINS	Indicative business case	New Works	\$0.0	
Tauriko Upgrade	Indicative business case	New Works	\$0.0	
SH29: Bay of Plenty Boundary to SH24	Detailed Business Case (I)	New Works	\$295.6	
SH33: Sun Valley to Paengaroa	Detailed Business Case (I)	New Works	\$50.0	
SH33: Sun Valley to Paengaroa	Pre Implementation (D)	New Works	\$130.0	
SH33: Sun Valley to Paengaroa	Construction/Implementation (C)	New Works	\$50.0	
SH30: Owhata to Te Ngae Junction	Pre Implementation (D)	New Works	\$120.0	
SH5: Tarukenga to Ngongotaha	Detailed Business Case (I)	New Works	\$155.0	
SH5: Tarukenga to Ngongotaha	Pre Implementation (D)	New Works	\$135.0	
SH5: Tarukenga to Ngongotaha	Construction/Implementation (C)	New Works	\$600.0	

# BAY OF PLENTY

PLANNED NEW STARTS 2016/17 - LARGE PROJECT PROGRAMME			\$000s
Project	Phase	Programme type	2016/17
Waihi to Omokoroa	Detailed Business Case (I)	New Works	\$900.0
Waihi to Omokoroa	Pre Implementation (D)	New Works	\$411.0
<b>Sub Total</b>			<b>\$2,846.6</b>
HPMV - SH2 Waihi to Port of Tauranga	Programme Business Case	New Works	\$0.0
SH2 Tauranga East Urban Corridor Programme	Programme Business Case	New Works	\$0.0
South Urban Corridor, TTS	Programme Business Case	New Works	\$0.0
<b>Sub Total</b>			<b>\$0.0</b>
<b>Planned new starts large projects - Grand Total</b>			<b>\$2,846.6</b>

PLANNED NEW STARTS 2016/17 - SMALL PROJECT PROGRAMME			\$000s
Project	Phase	Programme type	2016/17
SH30 Sala Street/Te Ngae Road Urban I/S Optimisation	Indicative business case	New Works	\$0.0
SH30 Sala Street/Te Ngae Road Urban I/S Optimisation	Detailed Business Case (I)	New Works	\$0.0
SH29: Tauriko to Waikato Boundary	Detailed Business Case (I)	New Works	\$222.5
SH34: SH30 to Kawerau	Pre Implementation (D)	New Works	\$43.0
SH34: SH30 to Kawerau	Construction/Implementation (C)	New Works	\$675.0
SH33: Te Ngae Junction to Sun Valley North	Pre Implementation (D)	New Works	\$140.0
SH33: Te Ngae Junction to Sun Valley North	Construction/Implementation (C)	New Works	\$50.0
SH2: Wainui Rd to Opotiki	Pre Implementation (D)	New Works	\$100.0
<b>Planned new starts small projects - Grand Total</b>			<b>\$1,230.5</b>

# GISBORNE

## HIGHLIGHTS FOR 2016-17

### Operations, maintenance and renewals

- Ensure the Health and Safety at Work Act is entrenched within Tairāwhiti roads and suppliers.
- The Network Outcomes Contracts (NOC) for SH2 and SH35 meet the One Network Road Classifications.
- Continue to take a proactive approach to stabilising historically vulnerable sites, in order to improve network resilience.
- Ensure the network condition information is reliable and timely so it supports a robust State Highway Asset Management Plan.

### State highways projects

- Completion of Wainui Cycleway Stage 2 design and initiating UCP programme – providing connectivity into the urban centre and providing safer journeys for vulnerable road users.
- Motu Bridge replacement (part of the Government's Accelerated Regional Roading Programme) – providing a safer, more efficient and resilient journey between Gisborne and its western neighbour.
- Progressing further passing opportunities on SH2 between Gisborne and the Wairoa.
- Progressing the next tranche of HPMV routes.

### Customer engagement

- Quarterly Heavy Transport Forum.
- Develop relationships with utility companies to share information.
- Building positive relationships with the forestry and heavy transport industry.
- Building strong and highly functioning relationships with Civil Defence and emergency services.

### Safety initiatives

- Identify opportunities to improve safety at high risk pedestrian sites such as schools and through the Gisborne central business district.
- Target high-risk curves for seal widening to reduce heavy transport crash occurrence.
- Identify opportunities for the application of electronic warning signs for out of context curves and high risk intersections.

### Strategic planning

- Developing the detailed business case to improve efficiency for freight accessing and egressing Eastland Port from the state highway network.
- Commence the SH2 Napier to Gisborne programme business case.



# GISBORNE

## REGIONAL STATISTICS

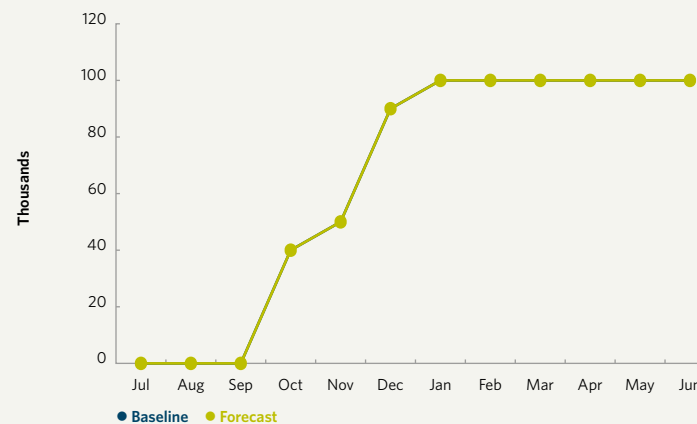
Population	47,400
Length of State highway in region (km)	331
% of National SH Network	3%
VkT (total) million	187
VkT (heavies only) million	35
% of National SH VkT %	2%

## EXPENDITURE BREAKDOWN (\$000s)

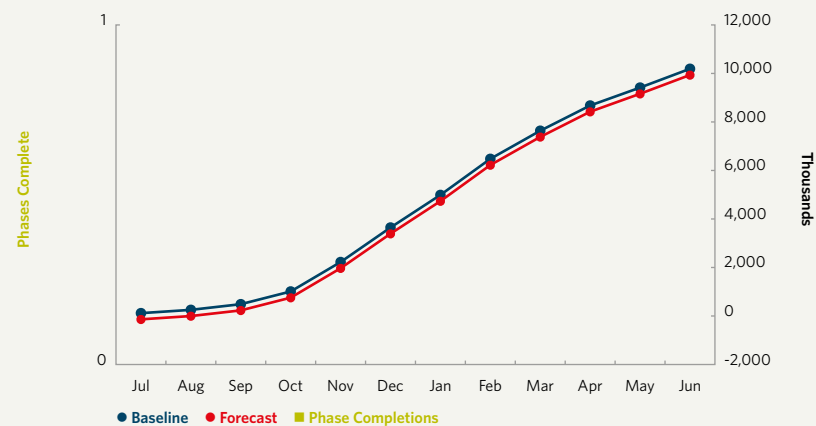
Improvements programme - Total committed and planned	\$9,234.4
Operations and Maintenance programme	\$7,456.4
Renewals Programme	\$2,943.7
Transport Planning Programme	\$0.0



## Large projects

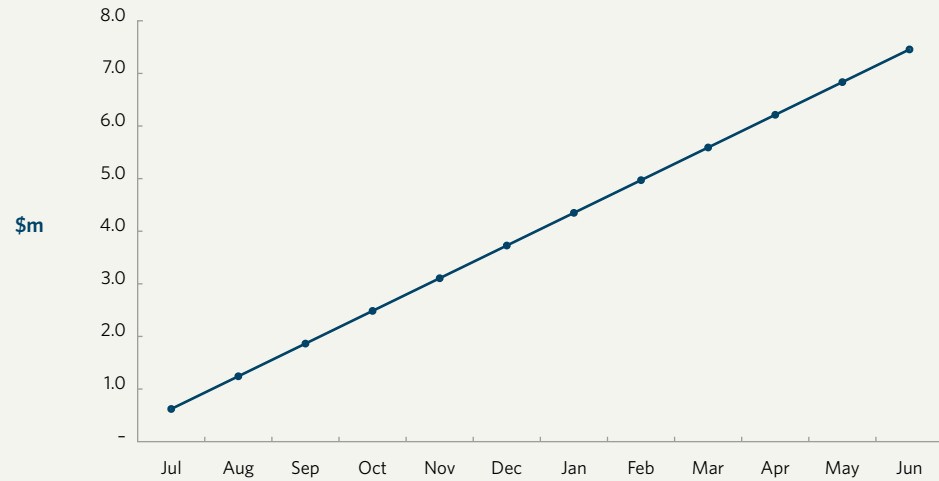


## Small projects

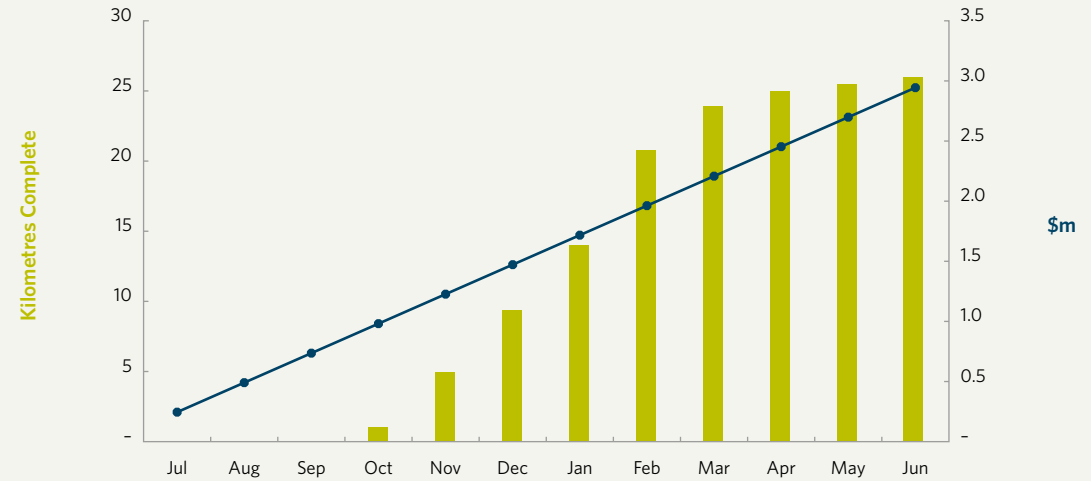


# GISBORNE

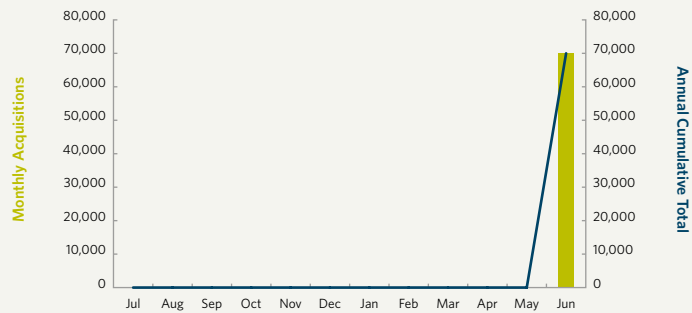
## Operations & maintenance



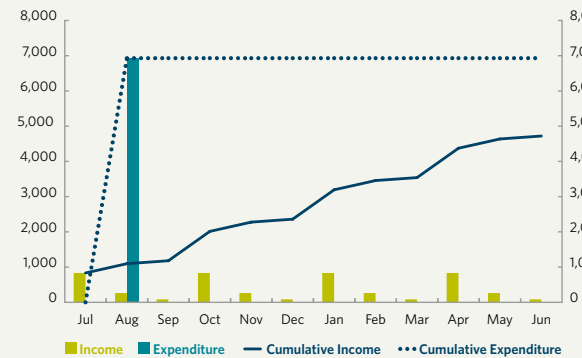
## Renewals



## Property acquisitions



## Property management



## Property disposal

None.

# GISBORNE

## TOTAL PROGRAMME 2016/17

IMPROVEMENTS	\$000s
Commitments - Large	\$0.0
Commitments - Small	\$6,258.2
Planned new starts 2016/17	\$2,930.0
Property acquisition	\$70.0
Minor safety & efficiency improvements	-\$23.8
<b>Total committed and planned improvements</b>	<b>\$9,234.4</b>
OPERATIONS AND MAINTENANCE	
<b>Total operations and maintenance</b>	<b>\$7,456.4</b>
RENEWALS	
<b>Total renewals</b>	<b>\$2,943.7</b>
TRANSPORT PLANNING	
Programme Business Case	\$0.0
Activity Management Plans	\$0.0
<b>Total transport planning</b>	<b>\$0.0</b>
WALKING AND CYCLING	
<b>Total walking and cycling</b>	<b>\$848.3</b>
EMERGENCY REINSTATEMENT - COMMITMENTS	
<b>Total emergency reinstatement commitments</b>	<b>\$0.0</b>
REGIONAL TOTAL	<b>\$20,482.9</b>

Regional and NOCs boundaries may not align. NOCs shown in predominant region.

Cashflows for committed projects are as at August 2016. Final financial position will determine funding availability for 2016/17. Level of activity for operations, maintenance & renewals, and potential new starts for 2016/17 will then be released in national priority order to match available funds.

## OPERATIONS, MAINTENANCE AND RENEWALS OF STATE HIGHWAYS

OPERATIONS AND MAINTENANCE WORK CATEGORY 2016/17	NORTH GISBORNE NOC	NORTH GISBORNE NON NOC	WEST GISBORNE NOC	WEST GISBORNE NON NOC
Sealed pavement maintenance	\$570.6	\$0.0	\$981.8	\$0.0
Unsealed pavement maintenance	\$0.0	\$0.0	\$0.0	\$0.0
Routine drainage maintenance	\$207.5	\$0.0	\$160.7	\$0.0
Structures maintenance	\$299.5	\$0.0	\$152.7	\$0.0
Environmental maintenance	\$857.8	\$0.0	\$617.3	\$0.0
Traffic services maintenance	\$334.9	\$16.6	\$245.5	\$73.4
Operational traffic management	\$10.3	\$50.0	\$5.2	\$30.0
Cycle path maintenance	\$0.0	\$0.0	\$20.1	\$0.0
Level crossing warning devices	\$0.0	\$0.0	\$0.0	\$0.0
Network and asset management	\$1,739.1	\$19.0	\$1,052.7	\$11.7
Property management	\$0.0	\$0.0	\$0.0	\$0.0
<b>Total</b>	<b>\$4,019.7</b>	<b>\$85.6</b>	<b>\$3,236.0</b>	<b>\$115.1</b>
RENEWAL WORK CATEGORY 2016/17				
Sealed road resurfacing	\$1,115.8	\$0.0	\$529.2	\$0.0
Drainage renewals	\$143.4	\$0.0	\$24.1	\$0.0
Pavement rehabilitation	\$323.0	\$0.0	\$169.7	\$0.0
Structures component replacements	\$336.7	\$0.0	\$216.1	\$0.0
Environmental renewals	\$0.0	\$0.0	\$0.0	\$0.0
Traffic services renewals	\$69.7	\$0.0	\$16.1	\$0.0
<b>Total</b>	<b>\$1,988.6</b>	<b>\$0.0</b>	<b>\$955.1</b>	<b>\$0.0</b>

# GISBORNE

## IMPROVEMENTS OF STATE HIGHWAYS

COMMITMENTS - SMALL PROJECT PROGRAMME				\$000s		
	Project	Phase	2016/17	2017/18	2018/19	
Committed	Minor Improvements 2015-18 - Gisborne	Minor Improvements	-\$23.8	\$0.0	\$0.0	
Committed	Eastland Port Access	Detailed business case (I)	\$96.0	\$0.0	\$0.0	
Committed	HPMV T2 Gis HNO Te Araroa to Tologa	Pre Implementation (D)	\$183.3	\$0.0	\$0.0	
Committed	SH2 Motu Bridge Replacement	Construction/Implementation (C)	\$5,449.2	\$536.6	\$127.6	
Committed	Puketiti Realignment	Construction/Implementation (C)	\$553.4	\$0.0	\$0.0	
<b>Sub Total</b>			<b>\$6,258.2</b>	<b>\$536.6</b>	<b>\$127.6</b>	
Committed - W & C	Gisborne - Wainui Cycleway SH 35	Construction/Implementation (C)	\$730.0	\$0.0	\$0.0	
Committed - W & C	Walking and Cycling connectivity	Detailed business case (I)	\$18.3	\$0.0	\$0.0	
<b>Sub Total</b>			<b>\$748.3</b>	<b>\$0.0</b>	<b>\$0.0</b>	
<b>Commitments small projects - Grand Total</b>			<b>\$7,006.5</b>	<b>\$536.6</b>	<b>\$127.6</b>	



# GISBORNE

PLANNED NEW STARTS 2016/17 - LARGE PROJECT PROGRAMME				\$000s
Project	Phase	Programme type	2016/17	
Walking and Cycling connectivity	Pre Implementation (D)	New Works	\$100.0	
<b>Planned new starts large projects - Total</b>			<b>\$100.0</b>	
PLANNED NEW STARTS 2016/17 - LARGE PROJECT PROGRAMME				\$000s
Project	Phase	Programme type	2016/17	
Enhanced Network Resilience Gisborne	Construction/Implementation (C)	New Works	\$0.0	
SH2 Nth Passing Opps Gis	Construction/Implementation (C)	New Works	\$1,600.0	
SH35 Slow Vehicle Bays Stage 2	Construction/Implementation (C)	New Works	\$1,330.0	
<b>Sub Total</b>			<b>\$2,930.0</b>	
Enhanced Network Resilience Gisborne	Programme Business Case	New Works	\$0.0	
<b>Sub Total</b>			<b>\$0.0</b>	
<b>Planned new starts small projects - Grand Total</b>			<b>\$2,930.0</b>	

# HAWKES BAY

## HIGHLIGHTS FOR 2016-17

### Operations, maintenance and renewals

- Working with Network Outcomes Contract supplier to deliver value for money through improved efficiency.
- Proactive focus on improving network resilience on vital links within the region.
- Focus on maintaining route access and protecting key infrastructure during storm events.
- Work with primary supplier towards aligning the regional highway network with the One Network Road Classification.

### State highways projects

- Progress roundabout construction at two sites: HB Expressway/Pakowhai and Links Road Intersection, and Watchman Road/SH2B intersection to deliver a safer and more efficient connection to the state highway network.
- College Road to Silverstream - realignment to improve safety on SH2 through Central Hawkes Bay.
- Completion of Hastings Model Communities Walking and Cycling connectivity.
- Replacement of Mangahohi Bridge - SH38.

### Customer engagement

- Continued focus on building positive relationships with communities through early engagement on proposed maintenance works and capital projects and better use of customer insight to deliver customer centric outcomes.

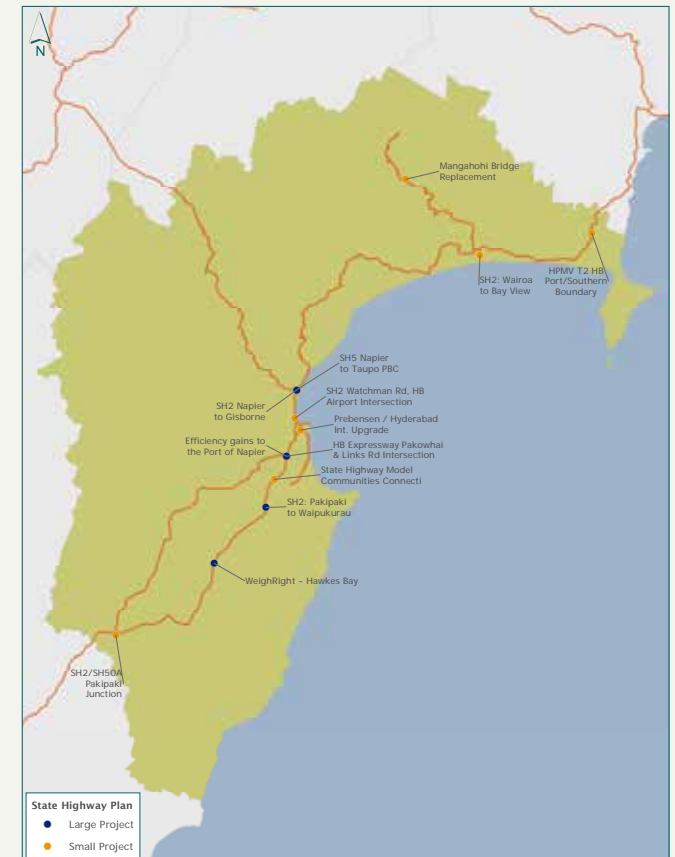
- Quarterly Heavy Transport Forum program - utilising the freight industry expertise and experience to embed positive changes.
- Using weather information to provide customers with clearer information on network impacts and availability.
- Working with road controlling authorities to coordinate consistent message distribution that allows more informed customer decisions.

### Safety initiatives

- Identify sites for electronic warning signs on out of context curves and high risk intersections.
- Implementing safety-driven initiatives between Pakipaki intersection and the southern boundary and between Wairoa and Bayview.
- Focus on high risk sites between Morere and Napier based on crash clusters over 5km lengths.
- Identify opportunities to improve safety of pedestrians and cyclists at high risk sites, eg near schools.

### Strategic planning

- Commence the SH2 Napier to Gisborne programme business case.
- Commence the SH5 Napier to Taupo programme business case.
- Investigate road rail integration opportunities to improve freight efficiency.
- Continue with Napier Port Access Project's detailed business cases (subject to Government decisions and funding approvals).



# HAWKES BAY

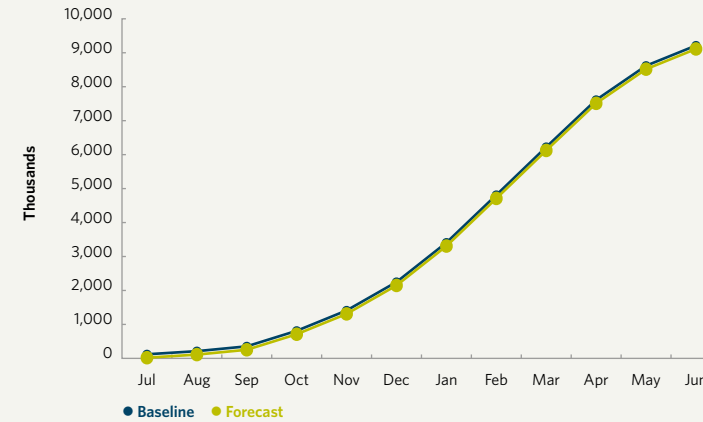
## REGIONAL STATISTICS

Population	160,000
Length of State highway in region (km)	504
% of National SH Network	5%
VkT (total) million	655
VkT (heavies only) million	88
% of National SH VkT %	4%

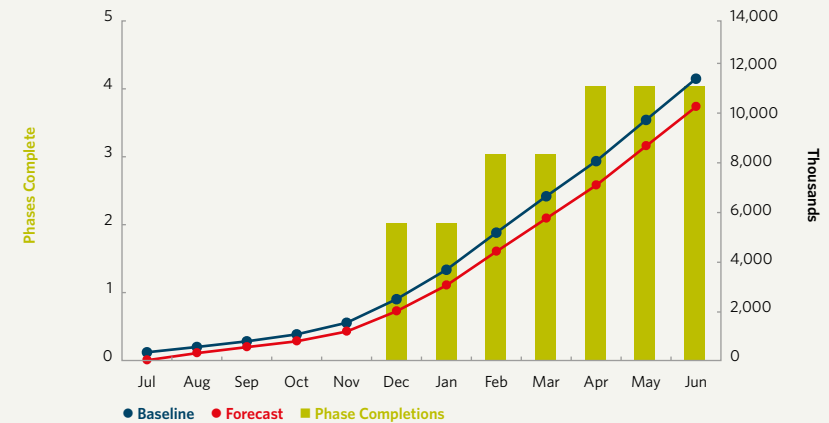
## EXPENDITURE BREAKDOWN (\$000s)

Improvements programme - Total committed and planned	\$19,254.9
Operations and Maintenance programme	\$9,510.0
Renewals Programme	\$2,143.8
Transport Planning Programme	\$125.0

## Large projects

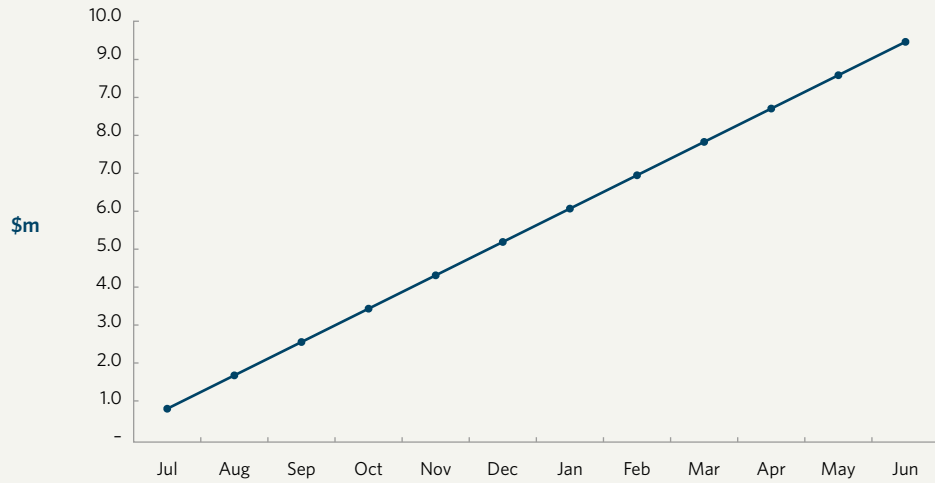


## Small projects

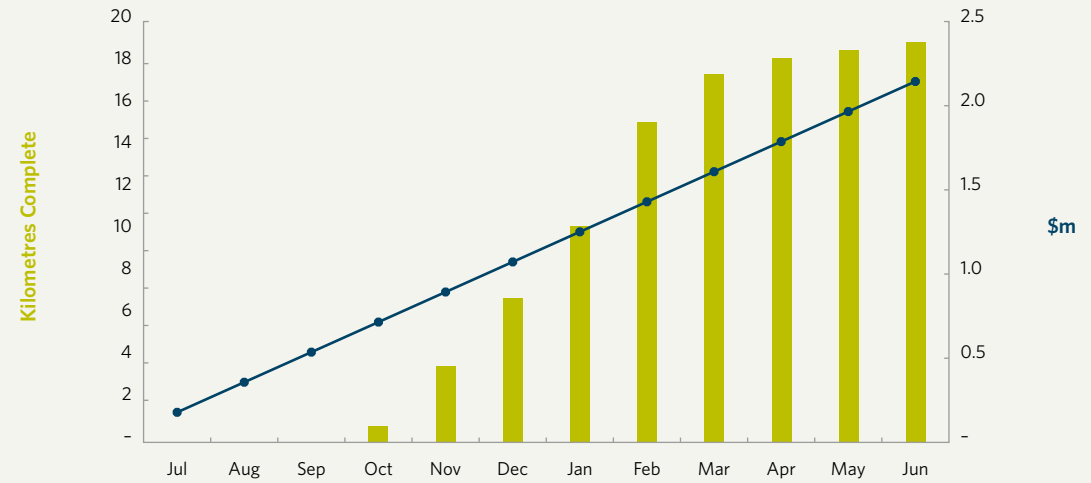


# HAWKES BAY

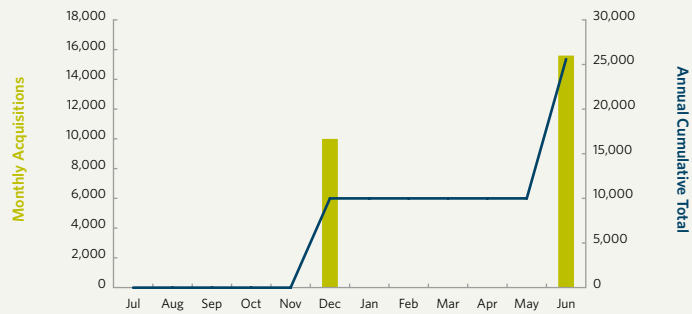
## Operations & maintenance



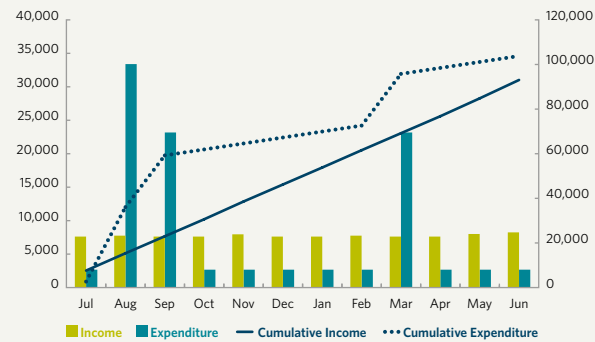
## Renewals



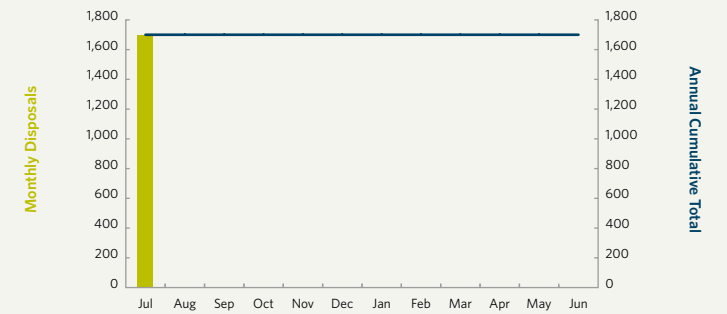
## Property acquisitions



## Property management



## Property disposal



# HAWKES BAY

## TOTAL PROGRAMME 2016/17

IMPROVEMENTS	\$000s
Commitments - Large	\$875.6
Commitments - Small	\$1,244.1
Planned new starts 2016/17	\$17,109.7
Property acquisition	\$25.6
Minor safety & efficiency improvements	\$0.0
<b>Total committed and planned improvements</b>	<b>\$19,254.9</b>
OPERATIONS AND MAINTENANCE	
<b>Total operations and maintenance</b>	<b>\$9,510.0</b>
RENEWALS	
<b>Total renewals</b>	<b>\$2,143.8</b>
TRANSPORT PLANNING	
Programme Business Case	\$125.0
Activity Management Plans	\$0.0
<b>Total transport planning</b>	<b>\$125.0</b>
WALKING AND CYCLING	
<b>Total walking and cycling</b>	<b>\$218.3</b>
EMERGENCY REINSTATEMENT - COMMITMENTS	
<b>Total emergency reinstatement commitments</b>	<b>\$0.0</b>
REGIONAL TOTAL	<b>\$31,251.9</b>

Regional and NOCs boundaries may not align. NOCs shown in predominant region.

Cashflows for committed projects are as at August 2016. Final financial position will determine funding availability for 2016/17. Level of activity for operations, maintenance & renewals, and potential new starts for 2016/17 will then be released in national priority order to match available funds.

## OPERATIONS, MAINTENANCE AND RENEWALS OF STATE HIGHWAYS

OPERATIONS AND MAINTENANCE WORK CATEGORY 2016/17	HAWKES BAY	HAWKES BAY NON NMA
Sealed pavement maintenance	\$2,015.9	\$0.0
Unsealed pavement maintenance	\$211.1	\$0.0
Routine drainage maintenance	\$391.7	\$0.0
Structures maintenance	\$600.6	\$0.0
Environmental maintenance	\$1,447.1	\$63.0
Traffic services maintenance	\$912.8	\$301.0
Operational traffic management	\$67.9	\$77.0
Cycle path maintenance	\$25.1	\$0.0
Level crossing warning devices	\$0.0	\$0.0
Network and asset management	\$3,100.9	\$296.0
Property management	\$0.0	\$0.0
<b>Total</b>	<b>\$8,773.0</b>	<b>\$737.0</b>
RENEWAL WORK CATEGORY 2016/17		
Unsealed Road Metalling	\$136.9	\$0.0
Sealed road resurfacing	\$1,154.6	\$0.0
Drainage renewals	\$50.8	\$0.0
Pavement rehabilitation	\$224.3	\$0.0
Structures component replacements	\$542.7	\$0.0
Environmental renewals	\$0.0	\$0.0
Traffic services renewals	\$34.4	\$0.0
<b>Total</b>	<b>\$2,143.8</b>	<b>\$0.0</b>

# HAWKES BAY

## IMPROVEMENTS OF STATE HIGHWAYS

COMMITMENTS - LARGE PROJECT PROGRAMME			\$000s		
	Project	Phase	2016/17	2017/18	2018/19
Committed	Efficiency gains to the Port of Napier	Detailed business case (I)	\$843.3	0.0	0.0
Committed	SH2: Pakipaki to Waipukurau	Detailed Business Case (I)	\$32.3	0.0	0.0
<b>Commitments large projects - Grand Total</b>			<b>\$875.6</b>	<b>\$0.0</b>	<b>\$0.0</b>
COMMITMENTS - SMALL PROJECT PROGRAMME			\$000s		
	Project	Phase	2016/17	2017/18	2018/19
Committed	Mangahohi Bridge Replacement	Pre Implementation (D)	\$36.7	\$0.0	\$0.0
Committed	Mangahohi Bridge Replacement	Construction/Implementation (C)	\$444.8	\$0.0	\$0.0
Committed	SH2 Watchman Rd, HB Airport Intersection	Pre Implementation (D)	\$460.0	\$264.6	\$0.0
Committed	HPMV T2 HB HNO Port to Southern Boundary	Pre Implementation (D)	\$102.6	\$0.0	\$0.0
Committed	Prebensen / Hyderabad Int. Upgrade	Pre Implementation (D)	\$100.0	\$0.0	\$0.0
Committed	SH2/SH50A Pakipaki Junction	Construction/Implementation (C)	\$100.0	\$0.0	\$0.0
<b>Sub Total</b>			<b>\$1,244.1</b>	<b>\$264.6</b>	<b>\$0.0</b>
Committed - W & C	State Highway Model Communities Connecti	Construction/Implementation (C)	\$218.3	\$0.0	\$0.0
<b>Sub Total</b>			<b>\$218.3</b>	<b>\$0.0</b>	<b>\$0.0</b>
<b>Commitments small projects - Grand Total</b>			<b>\$1,462.3</b>	<b>\$264.6</b>	<b>\$0.0</b>

# HAWKES BAY

PLANNED NEW STARTS 2016/17 - LARGE PROJECT PROGRAMME			
Project	Phase	Programme type	\$000s
HB Expressway Pakowhai & Links Rd Intersection	Construction/Implementation (C)	New Works	\$7,311.7
WeighRight - Hawkes Bay	Construction/Implementation (C)	New Works	\$50.0
SH2: Pakipaki to Waipukurau	Pre Implementation (D)	New Works	\$250.0
SH2: Pakipaki to Waipukurau	Construction/Implementation (C)	New Works	\$500.0
<b>Total</b>			<b>\$8,111.7</b>
SH2 Napier to Gisborne	Programme Business Case	New Works	\$85.0
SH5 Napier to Taupo PBC	Programme Business Case	New Works	\$40.0
<b>Total</b>			<b>\$125.0</b>
<b>Planned new starts large projects - Total</b>			<b>\$8,236.7</b>

PLANNED NEW STARTS 2016/17 - SMALL PROJECT PROGRAMME			
Project	Phase	Programme type	\$000s
SH2 Watchman Rd, HB Airport Intersection	Construction/Implementation (C)	New Works	\$7,800.0
SH2: Wairoa to Bay View	Detailed Business Case (I)	New Works	\$125.0
SH2: Wairoa to Bay View	Pre Implementation (D)	New Works	\$73.0
SH2: Wairoa to Bay View	Construction/Implementation (C)	New Works	\$1,000.0
<b>Planned new starts small projects - Total</b>			<b>\$8,998.0</b>

# TARANAKI

## HIGHLIGHTS FOR 2016-17

### Operations, maintenance and renewals

- Continue to implement Network Outcomes Contract (NOC) for maintenance and operations activities, delivering innovations, efficiencies and a better customer experience.
- Continue to focus on network availability and route security ensuring the network is maintained in a timely, fit for purpose, manner.
- Implement new initiatives with journey management, travel time planning and unplanned event preparedness.
- Looking to complete 22km of road resurfacing (excluding SCRIM sites) and renew 0.9km of highway.
- Focusing on emergency works sites remaining from June 2015 weather event.

### State highways projects

- Complete construction of the SH3 Normanby Realignment (part of the Government's Accelerated Regional Roding Programme) to improve safety.
- The Minister has announced Crown funding for the construction of the Mount Messenger to Awakino Gorge project (part of the Government's Accelerated Regional Roding Programme). Detailed investigation of the preferred route is underway, which will be followed by the design process, leading onto construction in 2016/17.
- Complete bridge strengthening between Whanganui and Port Taranaki, opening up the route to HPMV traffic. This completes the links along SH3 to Hamilton and SH3/SH1 to Wellington.

### Customer engagement

- Improved engagement with key stakeholders on strategic and important issues to embed a partnering approach.

- Coordinated customer and stakeholder communications regarding maintenance activities and planned events to ensure customer needs are part of our planning for all activities.
- Hold regular emergency service liaison meetings to provide better understanding of requirements during events/incidents, and improve the customer experience during such times.
- Collaboration discussions are on-going between Taranaki district councils, with the Transport Agency joining discussions. Long term benefits are main discussion points being refined as options are being considered.
- Installation of VMS in advance of SH3 Mt Messenger route to provide travel information.

### Safety initiatives

- Continue progressing the minor safety programme.
- Initiation of the New Plymouth to Hawera Safety Alliance project.
- Complete Mt Messenger guard rail improvements.
- Continue to target safety at high risk sites.

### Strategic planning

- Waitara to Bell Block: deliver the PBC and work towards the pre-implementation phase for a number of safety and efficiency initiatives along the corridor.
- Mt Messenger – seek key resource management approvals for the Awakino Gorge and Mt Messenger (part of the Government's Accelerated Regional Roding Programme) to improve safety, efficiency and resilience.
- New Plymouth to Harewa: subject to the outcome of a strategic case the intention is to develop the business cases for a number of safety driven initiatives along this journey.





# TARANAKI

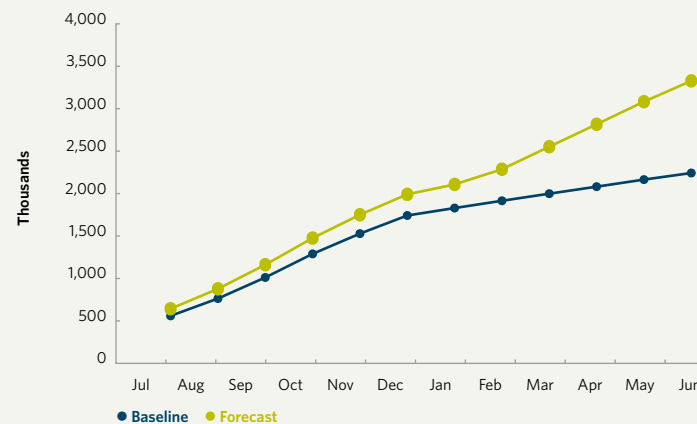
## REGIONAL STATISTICS

Population	115,700
Length of State highway in region (km)	391
% of National SH Network	4%
VkT (total) million	682
VkT (heavies only) million	73
% of National SH VkT %	3%

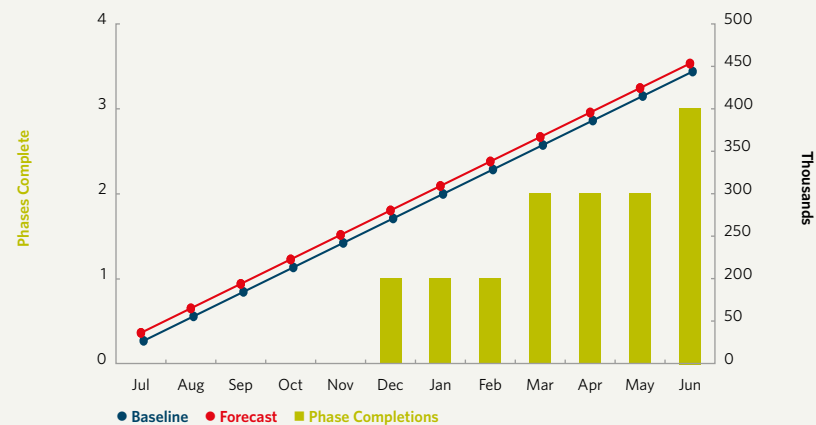
## EXPENDITURE BREAKDOWN (\$'000s)

Improvements programme - Total committed and planned	\$21,556.4
Operations and Maintenance programme	\$7,950.8
Renewals Programme	\$3,450.4
Transport Planning Programme	\$0.0

## Large projects

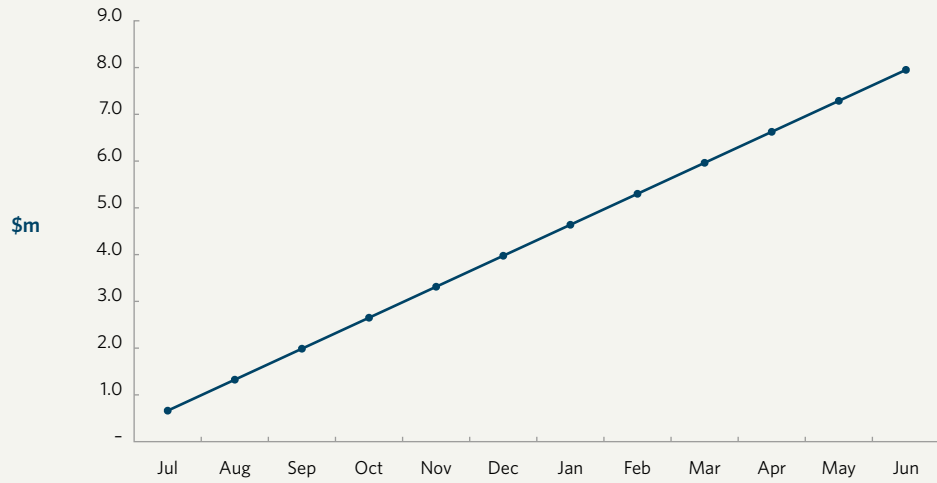


## Small projects

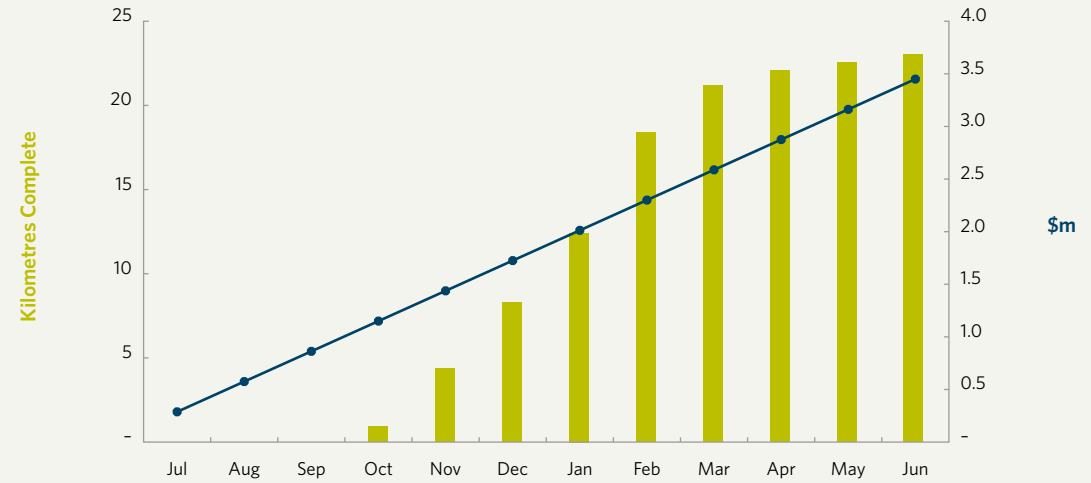


# TARANAKI

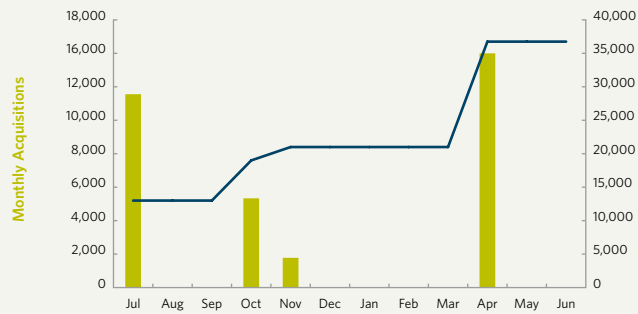
## Operations & maintenance



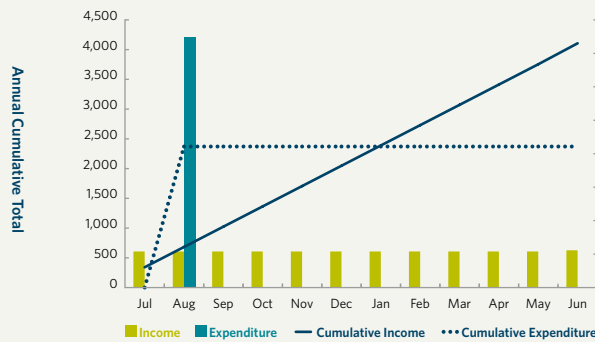
## Renewals



## Property acquisitions



## Property management



## Property disposal

None.

# TARANAKI

## TOTAL PROGRAMME 2016/17

IMPROVEMENTS	\$000s
Commitments - Large	\$15,211.6
Commitments - Small	\$9.2
Planned new starts 2016/17	\$5,866.4
Property acquisition	\$36.7
Minor safety & efficiency improvements	\$432.5
<b>Total committed and planned improvements</b>	<b>\$21,556.4</b>
OPERATIONS AND MAINTENANCE	
<b>Total operations and maintenance</b>	<b>\$7,950.8</b>
RENEWALS	
<b>Total renewals</b>	<b>\$3,450.4</b>
TRANSPORT PLANNING	
Programme Business Case	\$0.0
Activity Management Plans	\$0.0
<b>Total transport planning</b>	<b>\$0.0</b>
WALKING AND CYCLING	
<b>Total walking and cycling</b>	<b>\$0.0</b>
EMERGENCY REINSTATEMENT - COMMITMENTS	
<b>Total emergency reinstatement commitments</b>	<b>\$0.0</b>
<b>REGIONAL TOTAL</b>	<b>\$32,957.6</b>

Regional and NOCs boundaries may not align. NOCs shown in predominant region.

Cashflows for committed projects are as at August 2016. Final financial position will determine funding availability for 2016/17. Level of activity for operations, maintenance & renewals, and potential new starts for 2016/17 will then be released in national priority order to match available funds.

## OPERATIONS, MAINTENANCE AND RENEWALS OF STATE HIGHWAYS

OPERATIONS AND MAINTENANCE WORK CATEGORY 2016/17	TARANAKI NOC	TARANAKI NON NOC
Sealed pavement maintenance	\$1,714.1	\$20.0
Unsealed pavement maintenance	\$17.3	\$0.0
Routine drainage maintenance	\$424.4	\$0.0
Structures maintenance	\$129.3	\$325.0
Environmental maintenance	\$865.9	\$120.0
Traffic services maintenance	\$1,049.2	\$404.0
Operational traffic management	\$284.5	\$15.0
Cycle path maintenance	\$25.1	\$0.0
Level crossing warning devices	\$0.0	\$0.0
Network and asset management	\$1,870.5	\$686.5
Property management	\$0.0	\$0.0
<b>Total</b>	<b>\$6,380.3</b>	<b>\$1,570.5</b>
RENEWAL WORK CATEGORY 2016/17		
Unsealed Road Metalling	\$60.8	\$0.0
Sealed road resurfacing	\$2,245.1	\$0.0
Drainage renewals	\$150.4	\$0.0
Pavement rehabilitation	\$388.9	\$0.0
Structures component replacements	\$0.0	\$574.4
Environmental renewals	\$0.0	\$0.0
Traffic services renewals	\$30.7	\$0.0
<b>Total</b>	<b>\$2,875.9</b>	<b>\$574.4</b>

# TARANAKI

## IMPROVEMENTS OF STATE HIGHWAYS

COMMITMENTS - LARGE PROJECT PROGRAMME				\$000s		
	Project	Phase	2016/17	2017/18	2018/19	
Committed	Waitara to Bell Block Route Improvements	Detailed business case (I)	\$340.0	\$0.0	\$0.0	
Committed	Normanby Overbridge Realignment	Construction/Implementation (C)	\$5,673.4	\$0.0	\$0.0	
Committed	SH3 Awakino Gorge to Mt Messenger Corrid	Detailed business case (I)	\$641.3	\$0.0	\$0.0	
Committed	SH3 Mt Messenger Bypass	Detailed business case (I)	\$6,483.1	\$0.0	\$0.0	
Committed	SH3 Mt Messenger Bypass	Pre Implementation (D)	\$214.4	\$1,169.6	\$1,469.6	
Committed	SH3 Vickers Road to City Upgrade	Construction/Implementation (C)	\$1,859.4	\$0.0	\$0.0	
<b>Commitments large projects - Grand Total</b>			<b>\$15,211.6</b>	<b>\$1,169.6</b>	<b>\$1,469.6</b>	

COMMITMENTS - SMALL PROJECT PROGRAMME				\$000s		
	Project	Phase	2016/17	2017/18	2018/19	
Committed	Minor Improvements 2015-18 - Taranaki	Minor Improvements	\$432.5	\$0.0	\$0.0	
Committed	Waitara to Bell Block PBC	Studies	\$9.2	\$0.0	\$0.0	
<b>Commitments small projects - Grand Total</b>			<b>\$441.7</b>	<b>\$0.0</b>	<b>\$0.0</b>	

# TARANAKI

## PLANNED NEW STARTS 2016/17 - LARGE PROJECT PROGRAMME

Project	Phase	Programme type	2016/17
SH3: Awakino to Mt Messenger Corridor Improvements	Detailed Business Case (I)	New Works	\$996.4
SH3: Awakino to Mt Messenger Corridor Improvements	Pre Implementation (D)	New Works	\$660.0
SH3: Awakino to Mt Messenger Corridor Improvements	Construction/Implementation (C)	New Works	\$3,740.0
SH3: New Plymouth to Hawera	Detailed Business Case (I)	New Works	\$160.0
SH3: New Plymouth to Hawera	Pre Implementation (D)	New Works	\$30.0
<b>Planned new starts large projects - Total</b>			<b>\$5,586.4</b>

## PLANNED NEW STARTS 2016/17 - SMALL PROJECT PROGRAMME

Project	Phase	Programme type	2016/17
Enhanced Network Resilience Taranaki	Construction/Implementation (C)	New Works	\$0.0
Waitara to Mahoetahi Road	Detailed Business Case (I)	New Works	\$210.0
Waitara to Mahoetahi Road	Pre Implementation (D)	New Works	\$70.0
<b>Planned new starts small projects - Total</b>			<b>\$280.0</b>

# MANAWATU-WHANGANUI

## HIGHLIGHTS FOR 2016-17

### Operations, maintenance and renewals

- Continuing to implement Network Outcomes Contract (NOC) for maintenance and operations activities, delivering innovations, efficiencies and a better customer experience
- Continue to focus on network availability and route security ensuring the network is maintained in a timely, fit for purpose, manner.
- Implement new initiatives with journey management, travel time planning and unplanned event preparedness.
- Focus on delivering innovations, efficiencies and a better customer experience.
- Work towards completing 9.9km of road resurfacing (excluding SCRIM sites )and renew 1.6km of highway.

### State highways projects

- Eliminating a narrow section of State Highway 2 north of Dannevirke with the realignment and bridge replacement at Whakaruatapu.
- Reconstruction of the SH3/Tremaine Ave intersection in Palmerston North to remove capacity constraints and enable freight efficiency.
- Completion of the Otamaraho passing lane extension, including realignment to remove an unsafe section of the network.
- Whirokino Trestle Bridge and Manawatu River Bridge on State Highway 1, north of Levin, (part of the Government's Accelerated Regional Roding Programme) are being replaced through a design and construct process.
- Long term resilience work is continuing in the Manawatu Gorge, with more rock fall netting being installed.

### Customer engagement

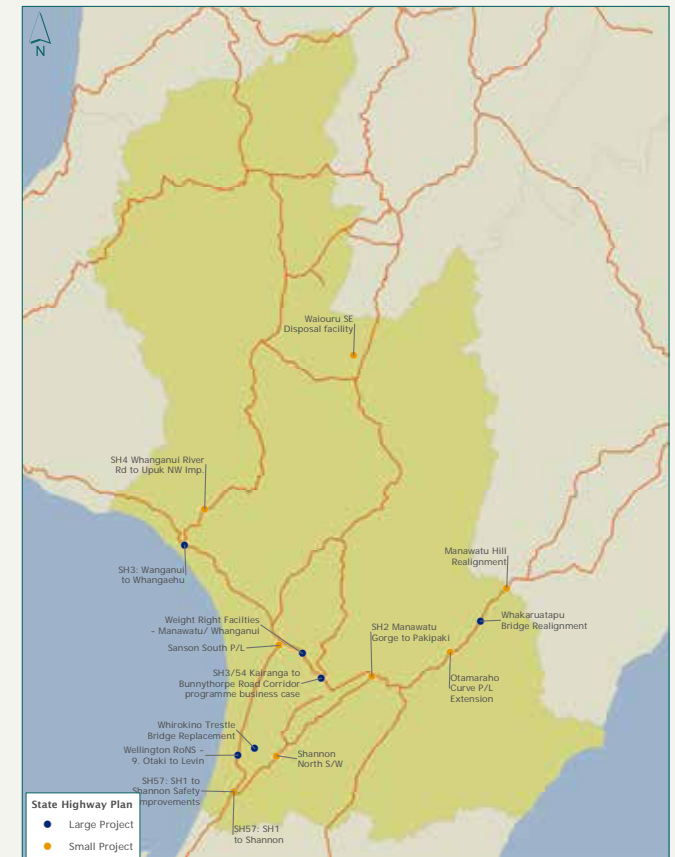
- Improved engagement with key stakeholders on strategic and important issues to embed a partnering approach, which takes advantage of opportunities to better collaborate and further embed 'one network' thinking.
- Coordinated customer and stakeholder communications regarding maintenance activities and planned events to ensure customer needs are met. Improved forward planning delivered out of lessons learnt from previous events.
- Hold regular emergency service liaison meetings to provide better understanding of requirements during events/incidents, and improve the customer experience during such times.
- Improved partnering relationship with councils, at all levels, to ensure we have aligned programmes, communications and long term planning, particularly in the main urban centres.
- Continue to hold regular engagement meetings with key stakeholders in the region to better coordinate planned events.

### Safety initiatives

- Continue progressing the minor safety programme.
- Complete the Road Safety Alliance work on SH57 from SH1 to Shannon Safer Roads and Roadsides project.
- Construction of the Whanganui-Whangaehu safety improvements.

### Strategic planning

- Levin to Hastings – complete the SH2/3/57 Levin to Hastings Corridor programme business case.
- SH3/54 Kairanga Bunnythorpe Road – complete the SH3/54 Kairanga to Bunnythorpe Road corridor programme business case.
- Otaki to Levin RoNS section – seek key resource management approvals.



# MANAWATU-WHANGANUI

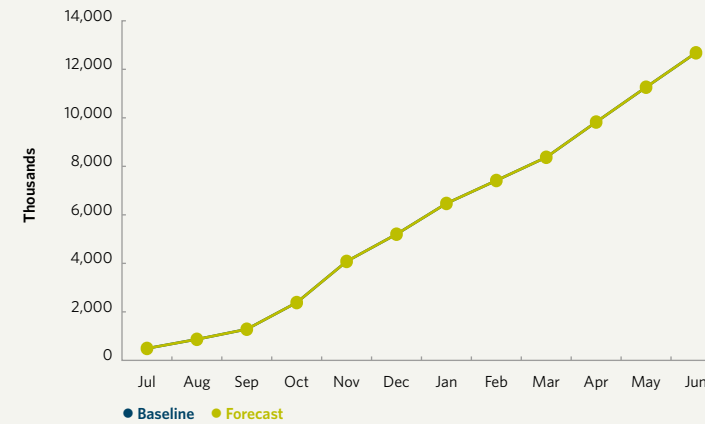
## REGIONAL STATISTICS

Population	234,500
Length of State highway in region (km)	957
% of National SH Network	9%
VkT (total) million	1,368
VkT (heavies only) million	179
% of National SH VkT %	8%

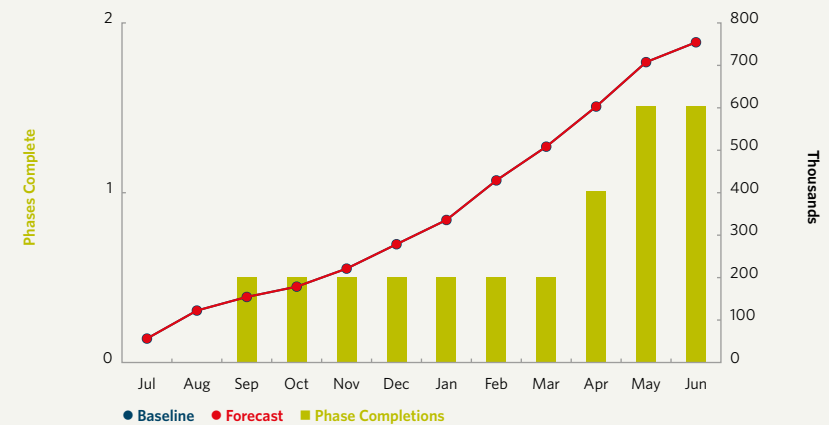
## EXPENDITURE BREAKDOWN (\$'000s)

Improvements programme - Total committed and planned	\$18,121.8
Operations and Maintenance programme	\$8,628.0
Renewals Programme	\$2,713.1
Transport Planning Programme	\$140.0

## Large projects

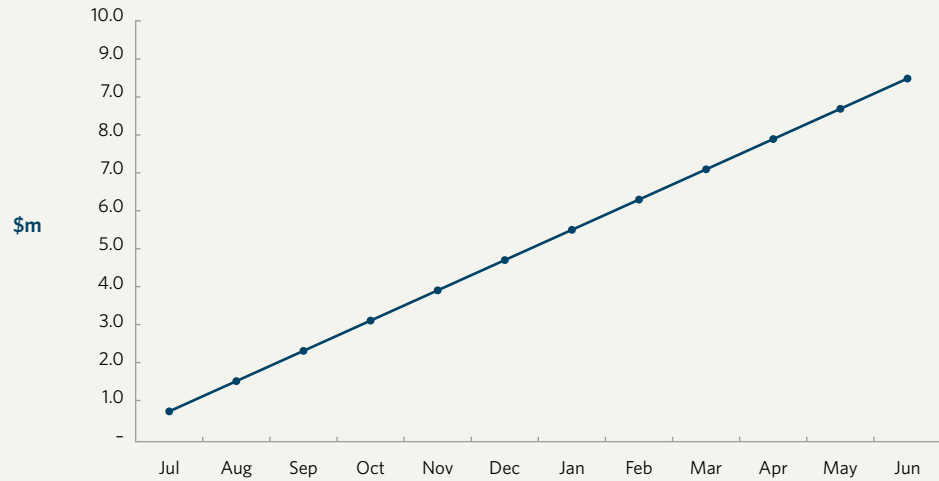


## Small projects

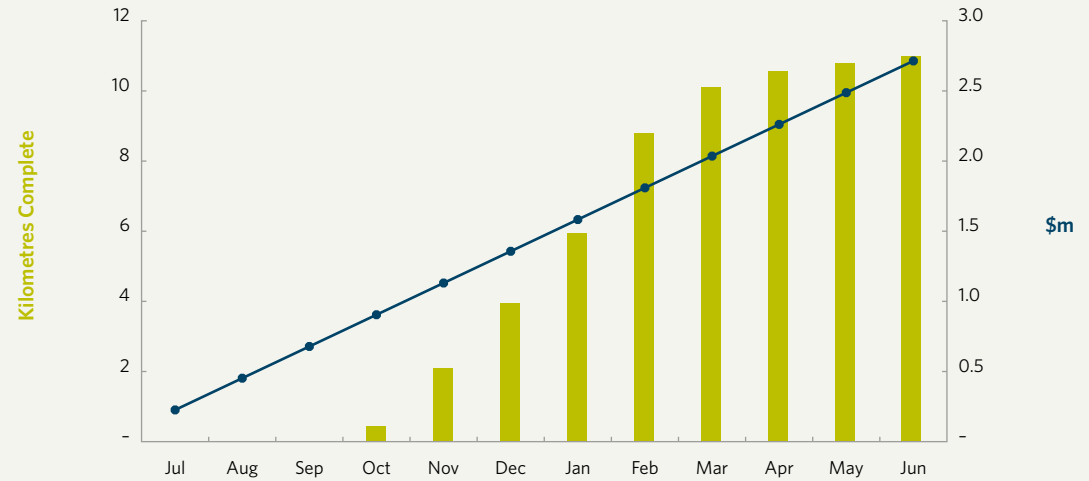


# MANAWATU-WHANGANUI

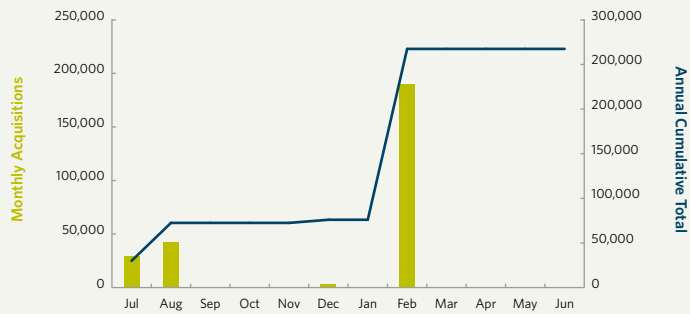
## Operations & maintenance



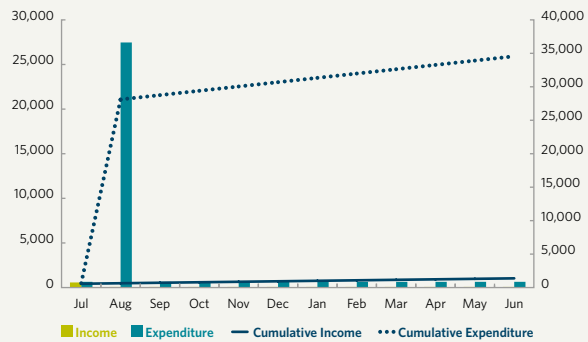
## Renewals



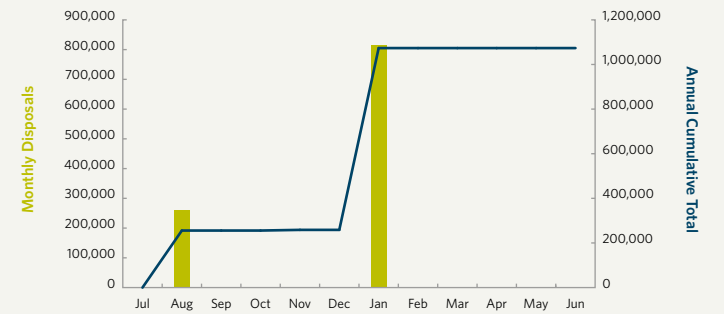
## Property acquisitions



## Property management



## Property disposal





# MANAWATU-WHANGANUI

## TOTAL PROGRAMME 2016/17

IMPROVEMENTS	\$000s
Commitments - Large	\$12,479.6
Commitments - Small	\$1,803.5
Planned new starts 2016/17	\$3,365.5
Property acquisition	\$163.2
Minor safety & efficiency improvements	\$309.9
<b>Total committed and planned improvements</b>	<b>\$18,121.8</b>
OPERATIONS AND MAINTENANCE	
<b>Total operations and maintenance</b>	<b>\$8,628.0</b>
RENEWALS	
<b>Total renewals</b>	<b>\$2,713.1</b>
TRANSPORT PLANNING	
Programme Business Case	\$140.0
Activity Management Plans	\$0.0
<b>Total transport planning</b>	<b>\$140.0</b>
WALKING AND CYCLING	
<b>Total walking and cycling</b>	<b>\$74.6</b>
EMERGENCY REINSTATEMENT - COMMITMENTS	
<b>Total emergency reinstatement commitments</b>	<b>\$2,050.4</b>
REGIONAL TOTAL	<b>\$31,727.8</b>

Regional and NOCs boundaries may not align. NOCs shown in predominant region.

Cashflows for committed projects are as at August 2016. Final financial position will determine funding availability for 2016/17. Level of activity for operations, maintenance & renewals, and potential new starts for 2016/17 will then be released in national priority order to match available funds.

## OPERATIONS, MAINTENANCE AND RENEWALS OF STATE HIGHWAYS

OPERATIONS AND MAINTENANCE WORK CATEGORY 2016/17	MANAWATU NEW NOC	MANAWATU NON NOC
Sealed pavement maintenance	\$1,685.5	\$0.0
Unsealed pavement maintenance	\$0.0	\$0.0
Routine drainage maintenance	\$288.4	\$0.0
Structures maintenance	\$258.0	\$457.0
Environmental maintenance	\$796.7	\$181.1
Traffic services maintenance	\$1,630.2	\$677.1
Operational traffic management	\$530.5	\$30.0
Cycle path maintenance	\$20.1	\$0.0
Level crossing warning devices	\$0.0	\$0.0
Network and asset management	\$1,161.0	\$912.5
Property management	\$0.0	\$0.0
<b>Total</b>	<b>\$6,370.3</b>	<b>\$2,257.7</b>
RENEWAL WORK CATEGORY 2016/17		
Sealed road resurfacing	\$1,078.0	\$10.0
Drainage renewals	\$122.1	\$0.0
Pavement rehabilitation	\$335.5	\$0.0
Structures component replacements	\$0.0	\$974.9
Environmental renewals	\$0.0	\$0.0
Traffic services renewals	\$0.0	\$192.7
<b>Total</b>	<b>\$1,535.5</b>	<b>\$1,177.5</b>

# MANAWATU-WHANGANUI

## IMPROVEMENTS OF STATE HIGHWAYS

COMMITMENTS - LARGE PROJECT PROGRAMME				\$000s		
	Project	Phase	2016/17	2017/18	2018/19	
Committed	Whakaruatapu Bridge Realignment	Construction/Implementation (C)	\$0.0	\$0.0	\$0.0	
Committed	SH57: SH1 to Shannon Safety Improvements	Detailed business case (I)	\$21.7	\$0.0	\$0.0	
Committed	Whirokino Trestle Bridge Replacement	Pre Implementation (D)	\$1,104.3	\$0.0	\$0.0	
Committed	Whirokino Trestle Bridge Replacement	Construction/Implementation (C)	\$8,723.4	\$33,825.0	\$20,925.0	
Committed	Wellington RoNS - 9. Otaki to Levin	Detailed business case (I)	\$1,896.9	\$3,575.0	\$3,730.0	
Committed	Wellington RoNS - 9. Otaki to Levin	Pre Implementation (D)	\$733.3	\$0.0	\$0.0	
<b>Commitments large projects - Grand Total</b>			<b>\$12,479.6</b>	<b>\$37,400.0</b>	<b>\$24,655.0</b>	

COMMITMENTS - SMALL PROJECT PROGRAMME				\$000s		
	Project	Phase	2016/17	2017/18	2018/19	
Committed	Minor Impr 2015-18 Manawatu/ Whanganui	Minor Improvements	\$309.9	\$0.0	\$0.0	
Committed	SH2 Manawatu Gorge to Pakipaki	Studies	\$132.0	\$0.0	\$0.0	
Committed	Sanson South P/L	Construction/Implementation (C)	\$65.6	\$0.0	\$0.0	
Committed	Otamaraho Curve P/L Extension	Construction/Implementation (C)	\$1,200.5	\$0.0	\$0.0	
Committed	Shannon North S/W	Construction/Implementation (C)	\$405.5	\$0.0	\$0.0	
<b>Sub Total</b>			<b>\$2,113.4</b>	<b>\$0.0</b>	<b>\$0.0</b>	
Committed - emergency works	MWT June 2015 Rain Manawatu	Emergency Works	\$2,015.0	\$0.0	\$0.0	
Committed - emergency works	EW Kukuta Underslip SH4	Emergency Works	\$35.4	\$0.0	\$0.0	
<b>Sub Total</b>			<b>\$2,050.4</b>	<b>\$0.0</b>	<b>\$0.0</b>	
Committed - W & C	SH4 Whanganui River Rd to Upuk NW Imp.	Construction/Implementation (C)	\$74.6	\$0.0	\$0.0	
<b>Sub Total</b>			<b>\$74.6</b>	<b>\$0.0</b>	<b>\$0.0</b>	
<b>Commitments small projects - Grand Total</b>			<b>\$4,238.4</b>	<b>\$0.0</b>	<b>\$0.0</b>	

# MANAWATU-WHANGANUI

PLANNED NEW STARTS 2016/17 - LARGE PROJECT PROGRAMME			
Project	Phase	Programme type	\$000s
Weight Right Facilities - Manawatu/ Whanganui	Construction/Implementation (C)	New Works	\$0.0
SH3: Wanganui to Whangaehu	Detailed Business Case (I)	New Works	\$44.8
SH3: Wanganui to Whangaehu	Pre Implementation (D)	New Works	\$15.8
<b>Sub Total</b>			<b>\$60.6</b>
SH3/54 Kairanga to Bunnythorpe Road Corridor programme business case	Programme Business Case	New Works	\$140.0
<b>Sub Total</b>			<b>\$140.0</b>
<b>Planned new starts large projects - Total</b>			<b>\$200.6</b>

PLANNED NEW STARTS 2016/17 - SMALL PROJECT PROGRAMME			
Project	Phase	Programme type	\$000s
Manawatu Hill Realignment	Construction/Implementation (C)	New Works	\$0.0
Waiouru SE Disposal facility	Pre Implementation (D)	New Works	\$0.0
SH57: SH1 to Shannon	Pre Implementation (D)	New Works	\$59.9
SH57: SH1 to Shannon	Construction/Implementation (C)	New Works	\$3,245.0
<b>Planned new starts small projects - Total</b>			<b>\$3,305.0</b>

# WELLINGTON

## HIGHLIGHTS FOR 2016-17

### Operations, maintenance and renewals

- Renewal of pavement and surfacings – a programme of 7.8km of pavement rehabilitation, 23km of chipsealing and 20km of thin asphaltic surfacing is planned.
- Making the most of the new Network Outcomes Contract (NOC) to improve the life-cycle and financial performance of our highways.
- Establishing the Wellington Transport Operations Centre (WTOC) as the travel information hub for the region's roading network, providing customers with real-time travel updates and coordinated info on events and incidents.
- Use the Network Operating Plan (NOP) to improve the efficiency of our highways through a number of minor improvement projects, like optimising traffic signals.

### State highways projects

- Complete the Mackays to Peka Peka section of the Kapiti Expressway, which will ease congestion and improve journey times.
- Contract award and commence construction of the Peka Peka to Otaki section of the Kapiti Expressway, which will improve efficiency and safety.
- Commence construction of Petone to Melling section of the Wellington to Hutt Valley Cycling and Walking Link.
- Commence construction of the Two Bobs and Jims Corners on the Rimutaka Hill Road to improve safety and connectivity and SH2 Buchanan Place /Ngauramutawa Road intersection to improve safety.
- Complete construction of Stages 2 and 3 of the Ngauranga to Aotea Quay SMART Motorway.
- Continue construction of Transmission Gully.

### Customer engagement

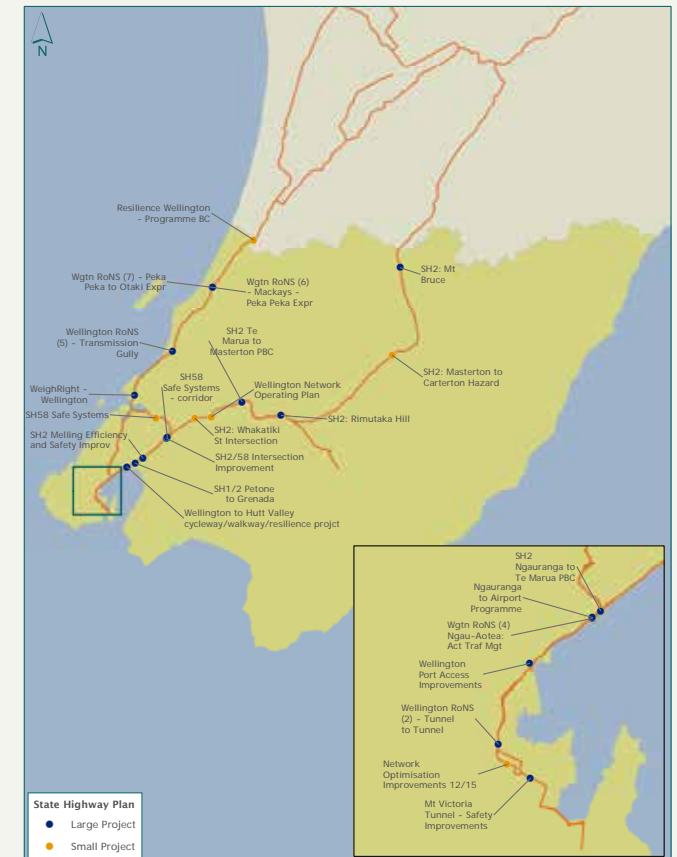
- Continue our focus on good community and stakeholder engagement for all our key projects and initiatives.
- Work in partnership with our suppliers to make sure there is clear customer communication and effective stakeholder engagement.
- Capitalising on customer insights we gained from our Connecting Wellington to Wairarapa customer engagement. This was a successful new approach to how the Transport Agency engages customers.

### Safety initiatives

- Continue construction of the SH2/58 Haywards interchange, and undertake pre-implementation for the wider SH58 corridor to improve safety.
- Commence pre-implementation of safety improvements along the SH2 Masterton to Carterton corridor.

### Strategic planning

- Seek key resource management approvals for the Petone to Grenada Link Road and the Ngauranga to Petone section of the Wellington to Hutt Valley Cycling and Walking Link.
- Commence indicative/detailed businesses for the Wellington Port Access Corridor, SH2 Ngauranga to Masterton Corridor and Melling intersection.
- Complete a programme business case for resilience improvements to the Wellington regional arterial network.
- Continue to be a key partner in the delivery of the Ngauranga to Airport Investigation.



# WELLINGTON

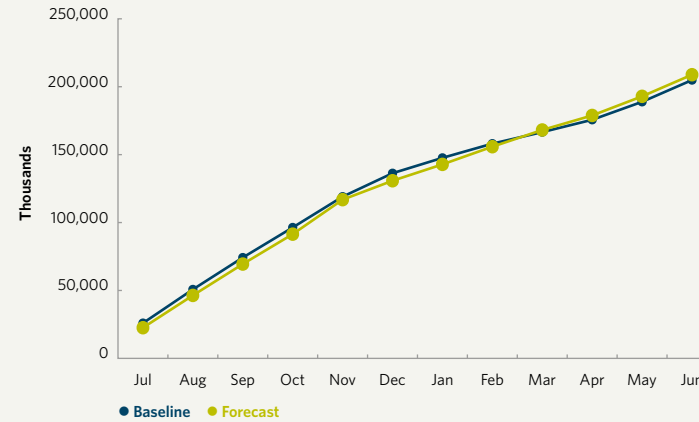
## REGIONAL STATISTICS

Population	496,600
Length of State highway in region (km)	236
% of National SH Network	2%
VkT (total) million	1,670
VkT (heavies only) million	106
% of National SH VkT %	5%

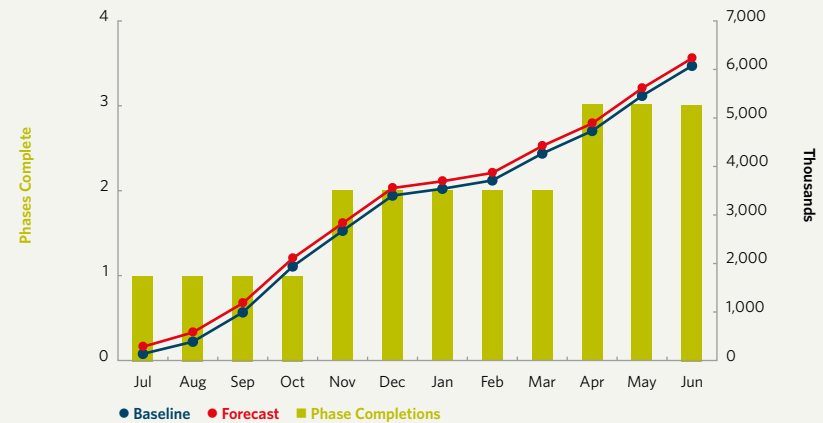
## EXPENDITURE BREAKDOWN (\$000s)

Improvements programme - Total committed and planned	\$224,426.5
Operations and Maintenance programme	\$23,308.2
Renewals Programme	\$22,805.7
Transport Planning Programme	\$0.0

## Large projects

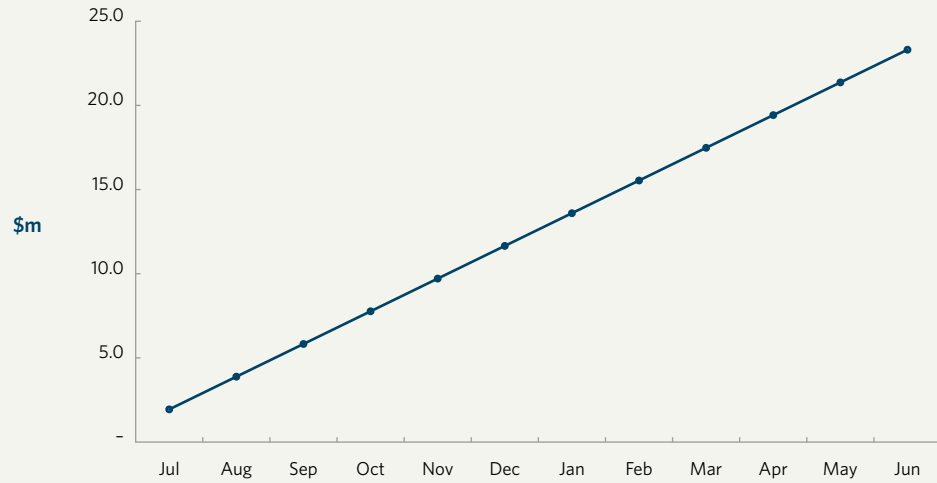


## Small projects

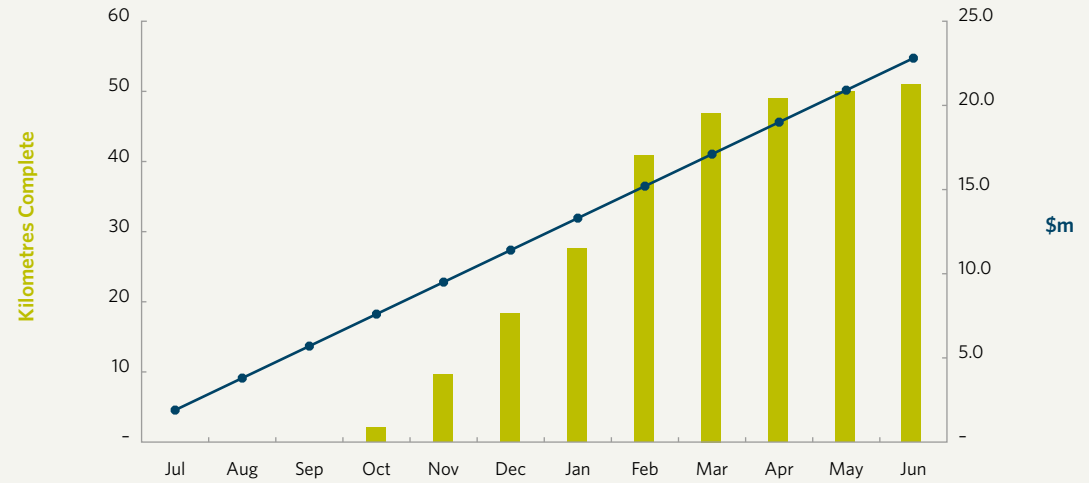


# WELLINGTON

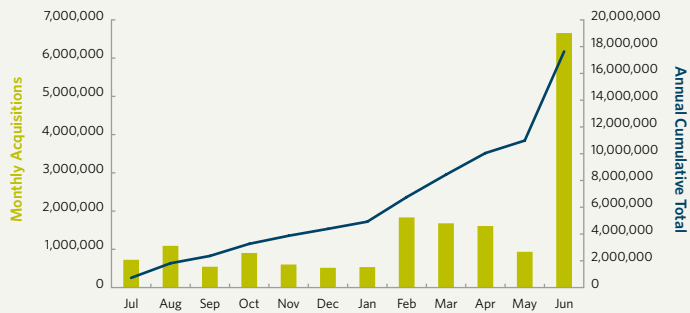
## Operations & maintenance



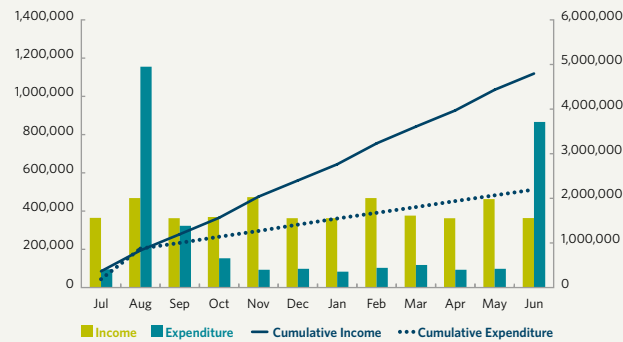
## Renewals



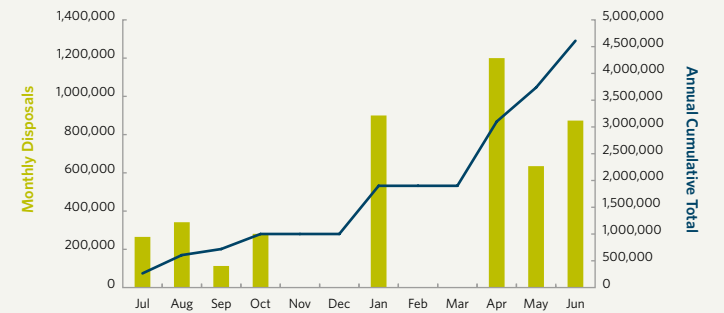
## Property acquisitions



## Property management



## Property disposal



# WELLINGTON

## TOTAL PROGRAMME 2016/17

IMPROVEMENTS	\$000s
Commitments - Large	\$200,501.7
Commitments - Small	\$858.1
Planned new starts 2016/17	\$1,981.4
Property acquisition	\$17,637.4
Minor safety & efficiency improvements	\$3,447.8
<b>Total committed and planned improvements</b>	<b>\$224,426.5</b>
OPERATIONS AND MAINTENANCE	
<b>Total operations and maintenance</b>	<b>\$23,308.2</b>
RENEWALS	
<b>Total renewals</b>	<b>\$22,805.7</b>
TRANSPORT PLANNING	
Programme Business Case	\$0.0
Activity Management Plans	\$0.0
<b>Total transport planning</b>	<b>\$0.0</b>
WALKING AND CYCLING	
<b>Total walking and cycling</b>	<b>\$8,109.7</b>
EMERGENCY REINSTATEMENT - COMMITMENTS	
<b>Total emergency reinstatement commitments</b>	<b>\$169.7</b>
REGIONAL TOTAL	<b>\$278,819.6</b>

Regional and NOCs boundaries may not align. NOCs shown in predominant region.

Cashflows for committed projects are as at August 2016. Final financial position will determine funding availability for 2016/17. Level of activity for operations, maintenance & renewals, and potential new starts for 2016/17 will then be released in national priority order to match available funds.

## OPERATIONS, MAINTENANCE AND RENEWALS OF STATE HIGHWAYS

OPERATIONS AND MAINTENANCE WORK CATEGORY 2016/17	WELLINGTON NMA	WELLINGTON NOC	WELLINGTON NON NMA	WELLINGTON JOURNEY TEAM	WELLINGTON TRAFFIC OPERATIONS CENTRE
Sealed pavement maintenance	\$8.8	\$1,753.5	\$0.0	\$0.0	\$0.0
Unsealed pavement maintenance	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Routine drainage maintenance	\$1.3	\$250.2	\$0.0	\$0.0	\$0.0
Structures maintenance	\$2,080.9	\$1,039.6	\$0.0	\$0.0	\$0.0
Environmental maintenance	\$105.3	\$3,966.8	\$0.0	\$0.0	\$0.0
Traffic services maintenance	\$661.8	\$1,704.3	\$0.0	\$0.0	\$0.0
Operational traffic management	\$20.1	\$0.0	\$0.0	\$2,054.2	\$2,830.0
Cycle path maintenance	\$1.6	\$320.0	\$0.0	\$0.0	\$0.0
Level crossing warning devices	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Network and asset management	\$24.6	\$3,164.9	\$2,257.0	\$723.4	\$340.0
Property management	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
<b>Total</b>	<b>\$2,904.3</b>	<b>\$12,199.3</b>	<b>\$2,257.0</b>	<b>\$2,777.5</b>	<b>\$3,170.0</b>
RENEWAL WORK CATEGORY 2016/17					
Sealed road resurfacing	\$44.9	\$9,918.6	\$0.0	\$0.0	\$0.0
Drainage renewals	\$1.9	\$378.7	\$0.0	\$0.0	\$0.0
Pavement rehabilitation	\$30.4	\$6,088.9	\$0.0	\$0.0	\$0.0
Structures component replacements	\$1,809.7	\$139.8	\$0.0	\$0.0	\$0.0
Environmental renewals	\$0.3	\$50.0	\$0.0	\$0.0	\$0.0
Traffic services renewals	\$7.4	\$1,473.0	\$0.0	\$2,862.1	\$0.0
<b>Total</b>	<b>\$1,894.6</b>	<b>\$18,049.0</b>	<b>\$0.0</b>	<b>\$2,862.1</b>	<b>\$0.0</b>

# WELLINGTON

## IMPROVEMENTS OF STATE HIGHWAYS

COMMITMENTS - LARGE PROJECT PROGRAMME				\$000s		
	Project	Phase	2016/17	2017/18	2018/19	
Committed	Wellington Port Access Improvements	Studies	\$127.3	\$0.0	\$0.0	
Committed	SH2 Ngauranga to Te Marua PBC	Studies	\$89.3	\$0.0	\$0.0	
Committed	SH2 Te Marua to Masterton PBC	Studies	\$91.9	\$0.0	\$0.0	
Committed	SH2/58 Intersection Improvement	Construction/Implementation (C)	\$28,981.7	\$404.0	\$0.0	
Committed	Wellington RoNS (2) - Tunnel to Tunnel	Construction/Implementation (C)	\$578.7	\$0.0	\$0.0	
Committed	Wellington RoNS (5) - Transmission Gully	Pre Implementation (D)	-\$25.3	\$0.0	\$0.0	
Committed	Wellington RoNS (5) - Transmission Gully	Construction/Implementation (C)	\$3,038.1	\$3,005.0	\$2,855.0	
Committed	Mt Victoria Tunnel - Safety Improvements	Construction/Implementation (C)	\$2,476.8	\$1,134.0	\$0.0	
Committed	Wgtn RoNS (4) Ngau-Aotea: Act Traf Mgt	Construction/Implementation (C)	\$4,721.4	\$1.5	\$0.0	
Committed	Wgtn RoNS (6) - Mackays - Peka Peka Expr	Construction/Implementation (C)	\$118,730.4	\$12,649.8	\$5,756.2	
Committed	Wgtn RoNS (7) - Peka Peka to Otaki Expr	Pre Implementation (D)	\$346.1	\$0.0	\$0.0	
Committed	Wgtn RoNS (7) - Peka Peka to Otaki Expr	Construction/Implementation (C)	\$31,303.1	\$86,913.4	\$91,017.6	
Committed	Wgtn RoNS - Progr MgMt (Internal Resour)	Detailed business case (I)	\$2,856.8	\$3,000.0	\$3,000.0	
Committed	SH1/2 Petone to Grenada	Detailed business case (I)	\$4,469.7	\$3,953.2	\$0.0	
Committed	SH58 Safe Systems - corridor	Detailed business case (I)	\$386.7	\$200.0	\$0.0	
Committed	SH2 Melling Efficiency and Safety Improv	Indicative business case	\$751.0	\$0.0	\$0.0	
Committed	Ngauranga to Airport Programme	Studies	\$1,577.9	\$0.0	\$0.0	
<b>Sub Total</b>			<b>\$200,501.7</b>	<b>\$111,260.8</b>	<b>\$102,628.8</b>	
Committed - W & C	Wellington to Hutt Valley Cycleway	Detailed business case (I)	\$1,374.7	\$500.0	\$0.0	
<b>Sub Total</b>			<b>\$1,374.7</b>	<b>\$500.0</b>	<b>\$0.0</b>	
<b>Commitments large projects - Grand Total</b>			<b>\$201,876.4</b>	<b>\$111,760.8</b>	<b>\$102,628.8</b>	



## WELLINGTON

COMMITMENTS - SMALL PROJECT PROGRAMME				\$000s		
	Project	Phase	2016/17	2017/18	2018/19	
Committed	Resilience Wellington - Programme BC	Studies	\$361.1	\$75.0	\$0.0	
Committed	Network Optimisation Improvements 12/15	Detailed business case (I)	-\$3.0	\$0.0	\$0.0	
Committed	Road Safety Promotion 2015/18 - Wgn	Construction/Implementation (C)	\$500.0	\$520.0	\$0.0	
Committed	Minor Improvements 2015-18 Wellington	Minor Improvements	\$3,447.8	\$0.0	\$0.0	
<b>Sub Total</b>			<b>\$4,305.9</b>	<b>\$595.0</b>	<b>\$0.0</b>	
Committed - emergency works	E/W 2016 Rimutaka Hill Underslip 921/9.3	Emergency Works	\$75.2	\$0.0	\$0.0	
Committed - emergency works	Wellington Network Operating Plan	Studies	\$94.5	\$0.0	\$0.0	
<b>Sub Total</b>			<b>\$169.7</b>	<b>\$0.0</b>	<b>\$0.0</b>	
<b>Commitments small projects - Grand Total</b>			<b>\$4,475.6</b>	<b>\$595.0</b>	<b>\$0.0</b>	

PLANNED NEW STARTS 2016/17 - LARGE PROJECT PROGRAMME				
Project	Phase	Programme type		\$000s
WeighRight - Wellington	Construction/Implementation (C)	New Works		\$0.0
SH2: Rimutaka Hill	Detailed Business Case (I)	New Works		\$127.2
SH2: Mt Bruce	Detailed Business Case (I)	New Works		\$100.0
<b>Sub Total</b>				<b>\$227.2</b>
Wellington to Hutt Valley cycleway/walkway/resilience project	Pre Implementation (D)	New Works		\$1,435.0
Wellington to Hutt Valley cycleway/walkway/resilience project	Construction/Implementation (C)	New Works		\$5,300.0
<b>Sub Total</b>				<b>\$6,735.0</b>
<b>Planned new starts large projects - Total</b>				<b>\$6,962.2</b>

# WELLINGTON

## PLANNED NEW STARTS 2016/17 – SMALL PROJECT PROGRAMME

Project	Phase	Programme type	\$000s
SH58 Safe Systems	Pre Implementation (D)	New Works	\$500.0
SH2: Whakatiki St Intersection	Detailed Business Case (I)	New Works	\$89.3
SH2: Masterton to Carterton Hazard	Detailed Business Case (I)	New Works	\$25.0
SH2: Masterton to Carterton Hazard	Pre Implementation (D)	New Works	\$140.0
SH2: Masterton to Carterton Hazard	Construction/Implementation (C)	New Works	\$1,000.0
<b>Planned new starts small projects - Total</b>			<b>\$1,754.3</b>

# MARLBOROUGH

## HIGHLIGHTS FOR 2016-17

### Operations, maintenance and renewals

- Maintain a safe network and meet customer levels of service.
- Continue to minimise maintenance effort on SH1 Weld Pass, pending decisions on future alignment.

### State highways projects

- Commence construction of the SH1/62 Spring Creek Intersection roundabout to improve safety.
- Complete Opawa Bridge replacement design (part of the Government's Accelerated Regional Roding Programme).
- Complete Spring Creek to Grovetown cycle lane.
- Commence Rai Saddle Safety improvements.

### Customer engagement

- Continue to meet with communities adjacent to state highways.

### Safety initiatives

- Routine minor safety improvements, focused on mitigation of roadside hazards.
- Improvements are programmed for motorcyclists on SH63.

### Strategic planning

- Commence programme business cases for SH1 Picton to Christchurch corridor.
- Commence an indicative/detailed business case for Weld Pass to improve safety.



# MARLBOROUGH

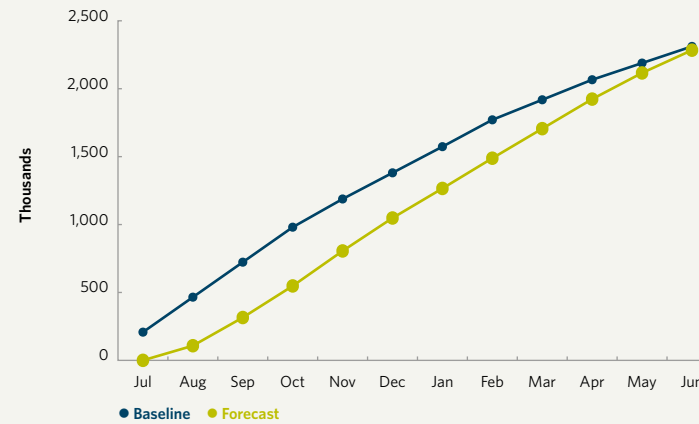
## REGIONAL STATISTICS

Population	45,300
Length of State highway in region (km)	260
% of National SH Network	2%
VkT (total) million	303
VkT (heavies only) million	46
% of National SH VkT %	2%

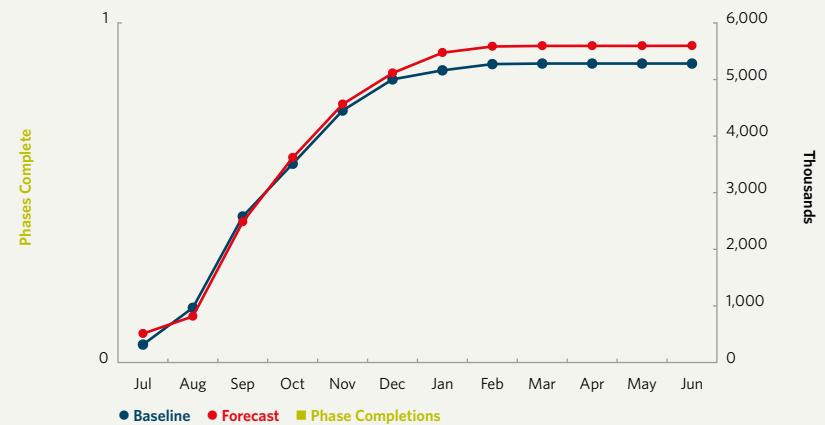
## EXPENDITURE BREAKDOWN (\$000s)

Improvements programme - Total committed and planned	\$8,368.7
Operations and Maintenance programme	\$4,505.6
Renewals Programme	\$3,276.0
Transport Planning Programme	\$0.0

## Large projects

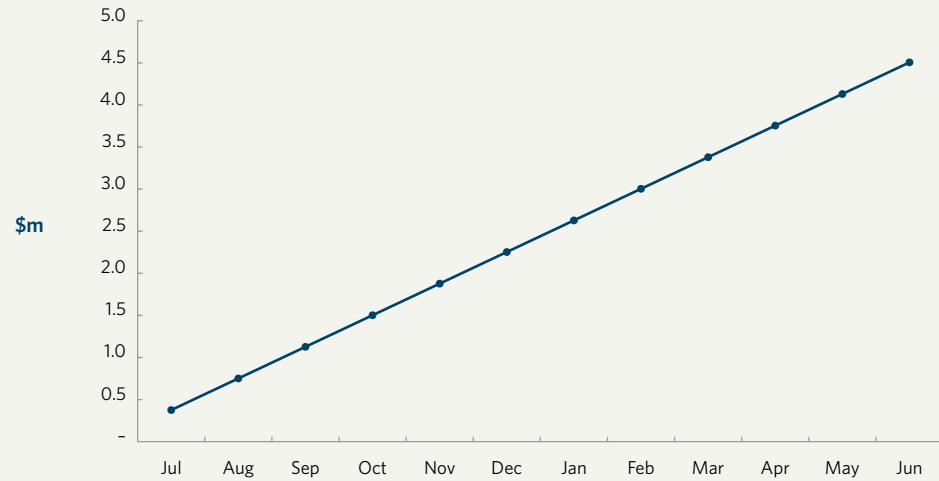


## Small projects

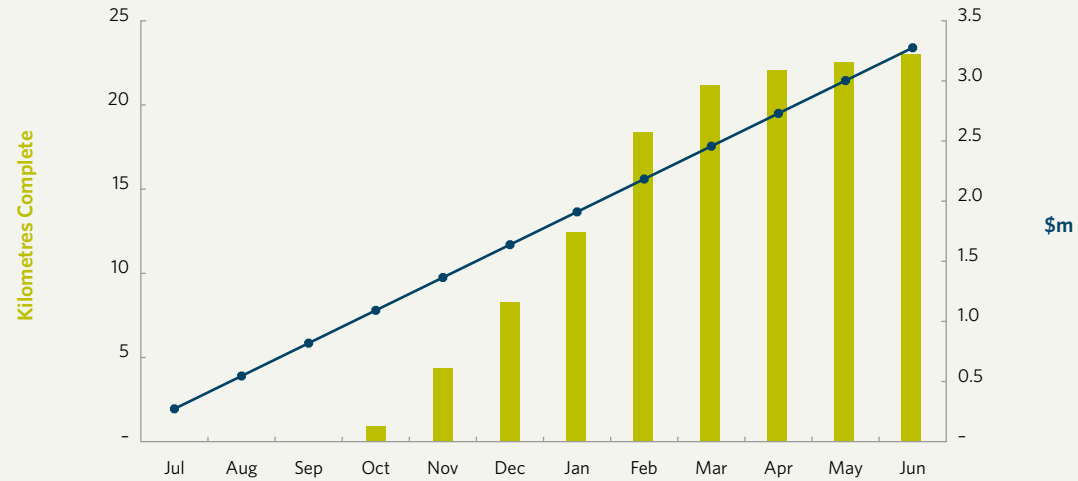


# MARLBOROUGH

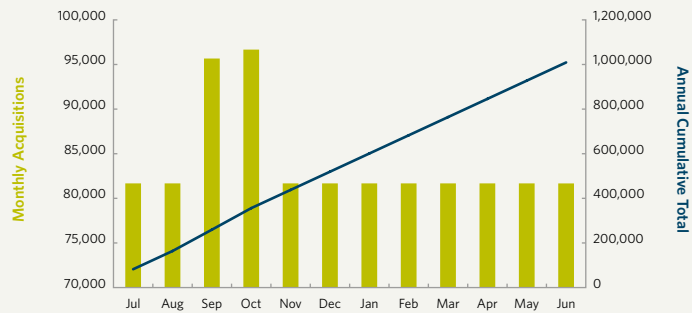
## Operations & maintenance



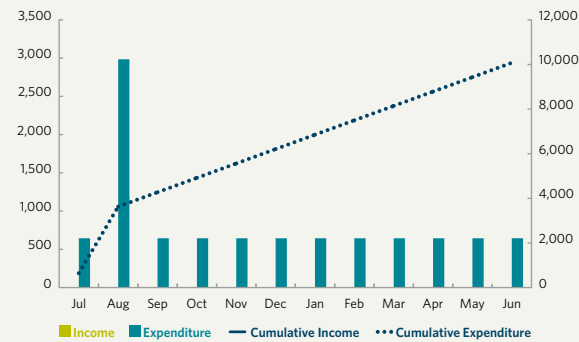
## Renewals



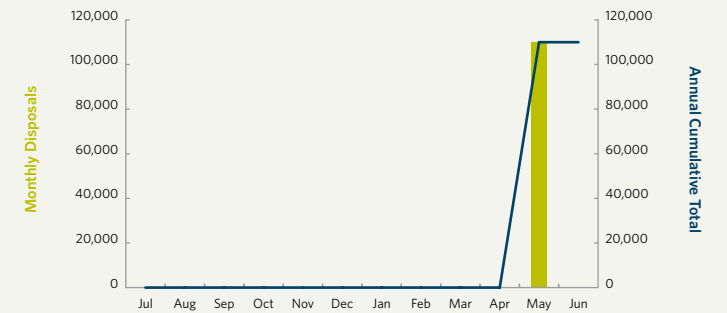
## Property acquisitions



## Property management



## Property disposal



# MARLBOROUGH

## TOTAL PROGRAMME 2016/17

IMPROVEMENTS	\$'000s
Commitments - Large	\$2,203.8
Commitments - Small	\$2,695.8
Planned new starts 2016/17	\$80.0
Property acquisition	\$1,009.0
Minor safety & efficiency improvements	\$2,380.0
<b>Total committed and planned improvements</b>	<b>\$8,368.7</b>
OPERATIONS AND MAINTENANCE	
<b>Total operations and maintenance</b>	<b>\$4,505.6</b>
RENEWALS	
<b>Total renewals</b>	<b>\$3,276.0</b>
TRANSPORT PLANNING	
Programme Business Case	\$0.0
Activity Management Plans	\$0.0
<b>Total transport planning</b>	<b>\$0.0</b>
WALKING AND CYCLING	
<b>Total walking and cycling</b>	<b>\$520.2</b>
EMERGENCY REINSTATEMENT - COMMITMENTS	
<b>Total emergency reinstatement commitments</b>	<b>\$0.0</b>
<b>REGIONAL TOTAL</b>	<b>\$16,670.4</b>

Regional and NOCs boundaries may not align. NOCs shown in predominant region.

Cashflows for committed projects are as at August 2016. Final financial position will determine funding availability for 2015/17. Level of activity for operations, maintenance & renewals, and potential new starts for 2016/17 will then be released in national priority order to match available funds.

## OPERATIONS, MAINTENANCE AND RENEWALS OF STATE HIGHWAYS

OPERATIONS AND MAINTENANCE WORK CATEGORY 2016/17	MARLBOROUGH	MARLBOROUGH NON NOC
Sealed pavement maintenance	\$777.4	\$0.0
Unsealed pavement maintenance	\$0.0	\$0.0
Routine drainage maintenance	\$121.1	\$0.0
Structures maintenance	\$72.5	\$220.0
Environmental maintenance	\$873.3	\$0.0
Traffic services maintenance	\$590.6	\$200.0
Operational traffic management	\$0.3	\$65.0
Cycle path maintenance	\$40.2	\$0.0
Level crossing warning devices	\$0.0	\$0.0
Network and asset management	\$1,001.1	\$544.0
Property management	\$0.0	\$0.0
<b>Total</b>	<b>\$3,476.6</b>	<b>\$1,029.0</b>
RENEWALS WORK CATEGORY 2016/17		
Sealed road resurfacing	\$1,604.6	\$0.0
Drainage renewals	\$110.9	\$0.0
Pavement rehabilitation	\$1,042.4	\$0.0
Structures component replacements	\$22.2	\$411.0
Environmental renewals	\$20.1	\$0.0
Traffic services renewals	\$64.7	\$0.0
<b>Total</b>	<b>\$2,865.0</b>	<b>\$411.0</b>

# MARLBOROUGH

## IMPROVEMENTS OF STATE HIGHWAYS

COMMITMENTS - LARGE PROJECT PROGRAMME					\$000s
	Project	Phase	2015/16	2016/17	2017/18
Committed	Opawa Bridge Replacement	Pre Implementation (D)	\$1,000.0	\$0.0	\$0.0
Committed	Dashwood Overbridge	Construction/Implementation (C)	\$20.0	\$0.0	\$0.0
Committed	SH1 Weld Pass Realignment	Detailed business case (I)	\$848.8	\$0.0	\$0.0
Committed	SH1 Picton to Christchurch	Studies	\$335.0	\$0.0	\$0.0
<b>Commitments large projects - Grand Total</b>			<b>\$2,203.8</b>	<b>\$0.0</b>	<b>\$0.0</b>

COMMITMENTS - SMALL PROJECT PROGRAMME					\$000s
	Project	Phase	2015/16	2016/17	2017/18
Committed	Minor Improvements 2015-18 Marlborough	Minor Improvements	\$2,380.0	\$0.0	\$0.0
Committed	HPMV - Nelson to Blenheim via SH 63	Pre Implementation (D)	\$0.0	\$0.0	\$0.0
Committed	HPMV - Nelson to Blenheim via SH 63	Construction/Implementation (C)	\$1.3	\$0.0	\$0.0
Committed	SH1 Alabama Road Improvements	Construction/Implementation (C)	\$1.8	\$0.0	\$0.0
Committed	SH1 SH62 Spring Creek Intersection RAB	Pre Implementation (D)	\$0.0	\$0.0	\$0.0
Committed	SH1 SH62 Spring Creek Intersection RAB	Construction/Implementation (C)	\$2,692.6	\$175.0	\$0.0
<b>Sub Total</b>			<b>\$5,075.9</b>	<b>\$175.0</b>	<b>\$0.0</b>
Committed - W & C	Grovetown to Spring Creek shared pathway	Pre Implementation (D)	\$0.0	\$0.0	\$0.0
Committed - W & C	Grovetown to Spring Creek Shared pathway	Construction/Implementation (C)	\$520.2	\$104.0	\$0.0
<b>Sub Total</b>			<b>\$520.2</b>	<b>\$104.0</b>	<b>\$0.0</b>
<b>Commitments small projects - Grand Total</b>			<b>\$5,596.1</b>	<b>\$279.0</b>	<b>\$0.0</b>

PLANNED NEW STARTS 2016/17 - LARGE PROJECT PROGRAMME			
Project	Phase	Programme type	2016/17
SH6: Renwick to Hira	Detailed Business Case (I)	New Works	\$80.0
<b>Planned new starts large projects - Total</b>			<b>\$80.0</b>

# NELSON

## HIGHLIGHTS FOR 2016-17

### Operations, maintenance and renewals

- Renewal of surfacings – a programme of 10km of resurfacing is planned.
- The new Network Outcomes Contract (NOC) incorporates nationally agreed levels of service, ensuring the level of investment is appropriate to meet the needs of the local highway network for maintenance and operations.

### State highways projects

- Complete construction of the SH6/Quarantine Road intersection to improve safety and efficiency.
- Commence construction of the Rai Saddle improvements to improve safety.
- SH6-Aniseed Valley Road intersection upgrade – removing conflict points, providing separated right turn lanes and removing roadside hazards.

### Customer engagement

- Continue our focus on good community and stakeholder engagement for all our key projects and initiatives.
- Work in partnership with our suppliers to make sure there is clear customer communication and effective stakeholder engagement.

### Safety initiatives

- SH6 Gentle Annie passing lane widening – improving traffic and cycle safety.
- Install Whakatu Drive roadside protection barrier.

### Strategic planning

- Continue to develop the Nelson Southern Arterial.
- Investigation business case (part of the Government's Accelerated Regional Roding Programme), which is subject to government decisions and approvals.
- Continue Rocks Road Walk/Cycle Investigation (subject to the outcomes of the Nelson Southern Arterial Investigation programme business case).





# NELSON

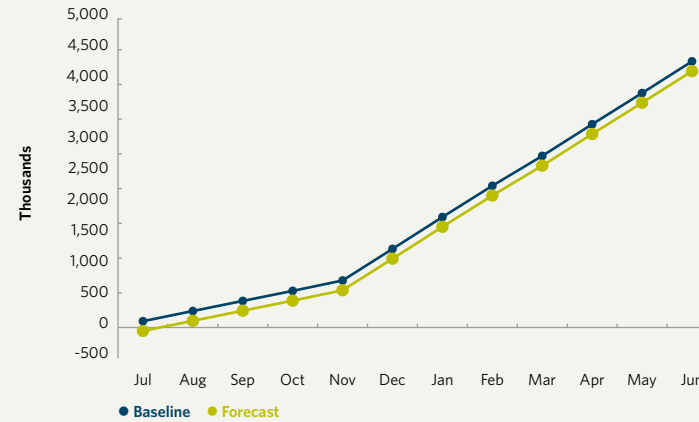
## REGIONAL STATISTICS

Population	49,900
Length of State highway in region (km)	55
% of National SH Network	1%
VkT (total) million	175
VkT (heavies only) million	14
% of National SH VkT %	1%

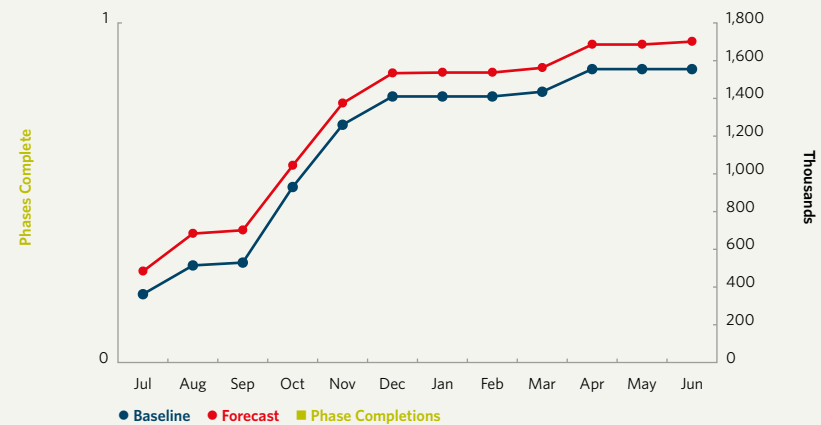
## EXPENDITURE BREAKDOWN (\$'000s)

Improvements programme - Total committed and planned	\$6,039.0
Operations and Maintenance programme	\$853.7
Renewals Programme	\$623.5
Transport Planning Programme	\$0.0

## Large projects

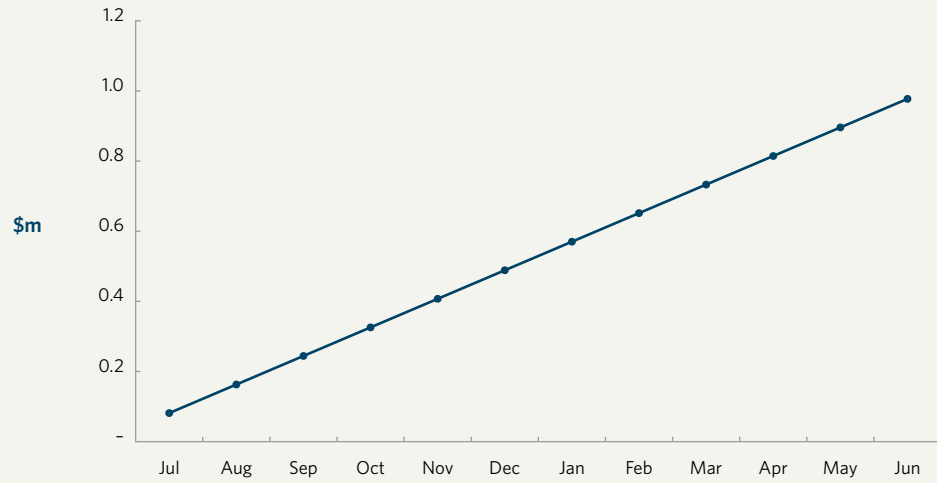


## Small projects

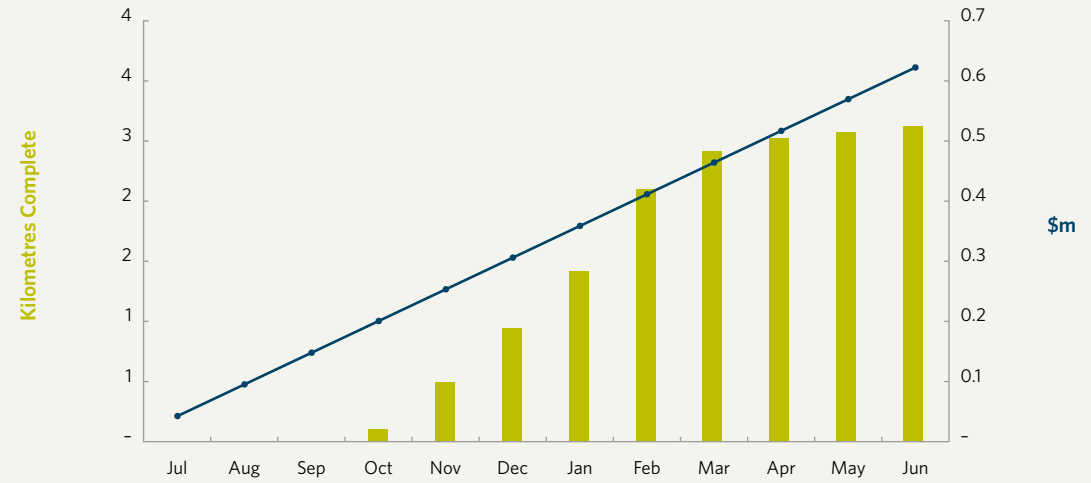


# NELSON

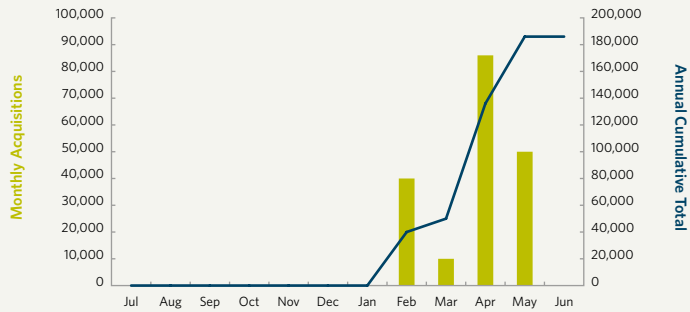
## Operations & maintenance



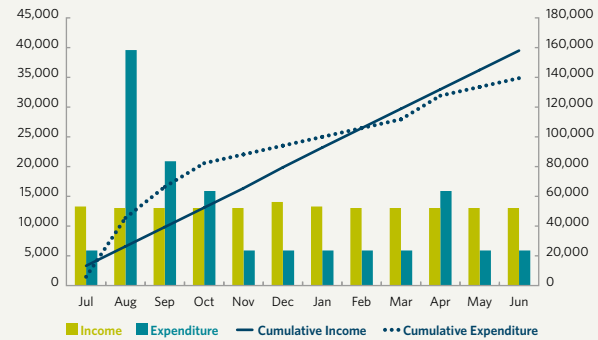
## Renewals



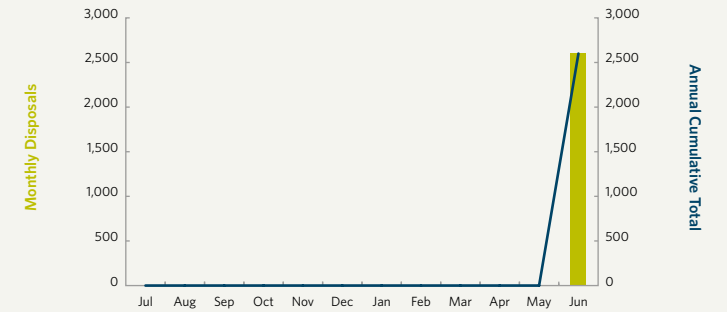
## Property acquisitions



## Property management



## Property disposal



# NELSON

## TOTAL PROGRAMME 2016/17

IMPROVEMENTS	\$000s
Commitments - Large	\$4,152.1
Commitments - Small	\$646.3
Planned new starts 2016/17	\$0.0
Property acquisition	\$186.0
Minor safety & efficiency improvements	\$1,054.7
<b>Total committed and planned improvements</b>	<b>\$6,039.0</b>
OPERATIONS AND MAINTENANCE	
<b>Total operations and maintenance</b>	<b>\$853.7</b>
RENEWALS	
<b>Total renewals</b>	<b>\$623.5</b>
TRANSPORT PLANNING	
Programme Business Case	\$0.0
Activity Management Plans	\$0.0
<b>Total transport planning</b>	<b>\$0.0</b>
WALKING AND CYCLING	
<b>Total walking and cycling</b>	<b>\$0.0</b>
EMERGENCY REINSTATEMENT - COMMITMENTS	
<b>Total emergency reinstatement commitments</b>	<b>\$0.0</b>
<b>REGIONAL TOTAL</b>	<b>\$7,516.2</b>

Regional and NOCs boundaries may not align. NOCs shown in predominant region.

Cashflows for committed projects are as at August 2016. Final financial position will determine funding availability for 2016/17. Level of activity for operations, maintenance & renewals, and potential new starts for 2016/17 will then be released in national priority order to match available funds.

## OPERATIONS, MAINTENANCE AND RENEWALS OF STATE HIGHWAYS

OPERATIONS AND MAINTENANCE WORK CATEGORY 2016/17	NELSON
Sealed pavement maintenance	\$4.9
Unsealed pavement maintenance	\$0.0
Routine drainage maintenance	\$1.2
Structures maintenance	\$307.1
Environmental maintenance	\$12.6
Traffic services maintenance	\$214.4
Operational traffic management	\$0.8
Cycle path maintenance	\$0.2
Level crossing warning devices	\$0.0
Network and asset management	\$312.5
Property management	\$0.0
<b>Total</b>	<b>\$853.7</b>
RENEWAL WORK CATEGORY 2016/17	
Sealed road resurfacing	\$5.2
Drainage renewals	\$0.9
Pavement rehabilitation	\$0.2
Structures component replacements	\$616.6
Environmental renewals	\$0.0
Traffic services renewals	\$0.6
<b>Total</b>	<b>\$623.5</b>

# NELSON

## IMPROVEMENTS OF STATE HIGHWAYS

COMMITMENTS - LARGE PROJECT PROGRAMME				\$000s	
	Project	Phase	2016/17	2017/18	2018/19
Committed	Nelson Southern Link	Detailed business case (I)	\$927.7	\$0.0	\$0.0
Committed	SH6 Rai Saddle Second Curve Realignment	Construction/Implementation (C)	\$3,224.4	\$3,267.8	\$132.0
<b>Commitments large projects - Grand Total</b>			<b>\$4,152.1</b>	<b>\$3,267.8</b>	<b>\$132.0</b>

COMMITMENTS - SMALL PROJECT PROGRAMME				\$000s	
	Project	Phase	2016/17	2017/18	2018/19
Committed	Minor Improvements 2015-18 - Nelson	Minor Improvements	\$1,054.7	\$0.0	\$0.0
Committed	SH6 Quarantine Road I/S	Construction/Implementation (C)	\$646.3	\$0.0	\$0.0
<b>Commitments small projects - Grand Total</b>			<b>\$1,701.0</b>	<b>\$0.0</b>	<b>\$0.0</b>

# TASMAN

## HIGHLIGHTS FOR 2016-17

### Operations, maintenance and renewals

- Renewal of surfacings – a programme of 15km of resurfacing is planned.
- The new Network Outcomes Contract (NOC) incorporates nationally agreed levels of service, ensuring the level of investment is appropriate to meet the needs of the local highway network for maintenance and operations.
- Network efficiencies – the annual programme is focused on maintaining the existing highway and addressing high incident areas. Maintaining access to the Golden Bay community is a key focus for the team, where there is ongoing work to improve the resilience of this route.

### State highways projects

- No new state highway projects commencing in 2016/17 in Tasman.

### Customer engagement

- Continue our focus on good community and stakeholder engagement for all our key projects and initiatives.
- Work in partnership with our suppliers to make sure there is clear customer communication and effective stakeholder engagement.

### Safety initiatives

- Investigation and construction of edge – and centre-line rumble strips and road side barriers on a corridor wide, risk prioritised basis.

### Strategic planning

- Commencement of the SH6 Richmond Arterial Investigation.
- Commencement of the SH60 Richmond to Collingwood Investigation.
- Commencement of the SH60 Motueka Investigation.



# TASMAN

## REGIONAL STATISTICS

Population	49,500
Length of State highway in region (km)	328
% of National SH Network	3%
VkT (total) million	296
VkT (heavies only) million	30
% of National SH VkT %	1%

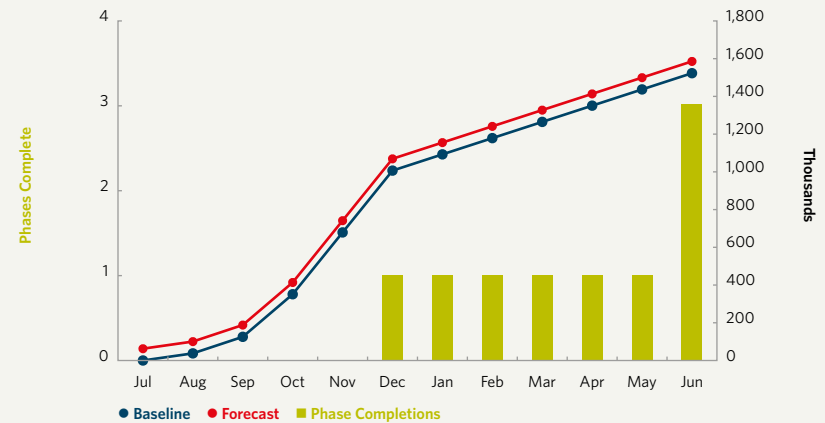
## EXPENDITURE BREAKDOWN (\$000s)

Improvements programme - Total committed and planned	\$2,166.3
Operations and Maintenance programme	\$5,662.6
Renewals Programme	\$1,585.1
Transport Planning Programme	\$350.0

## Large projects

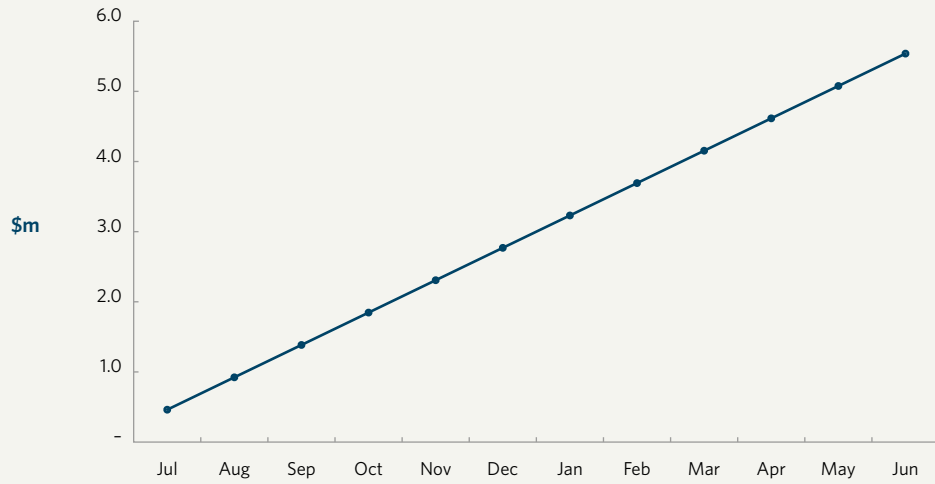


## Small projects

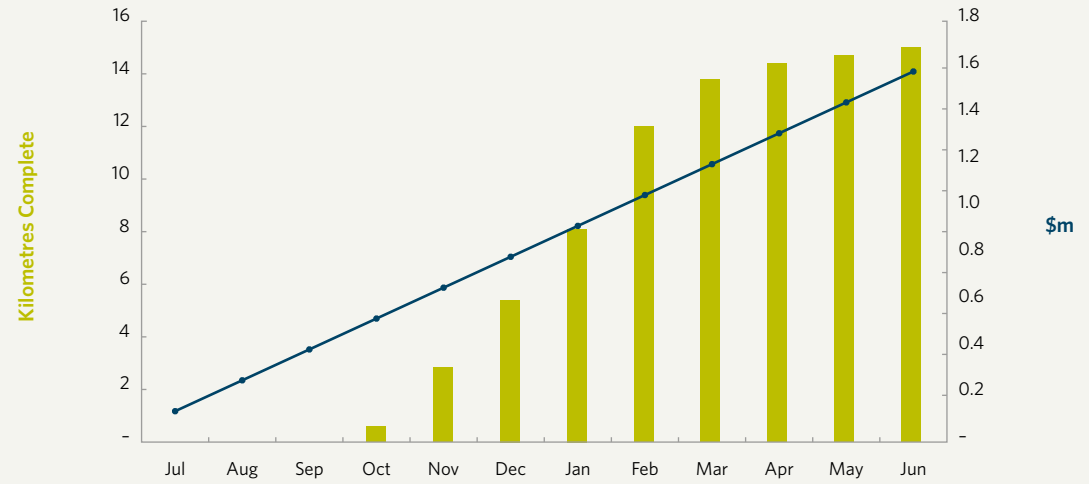


# TASMAN

## Operations & maintenance



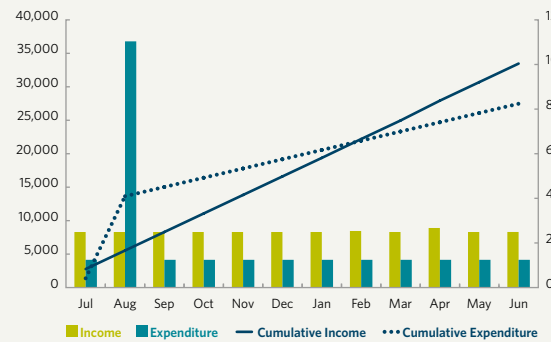
## Renewals



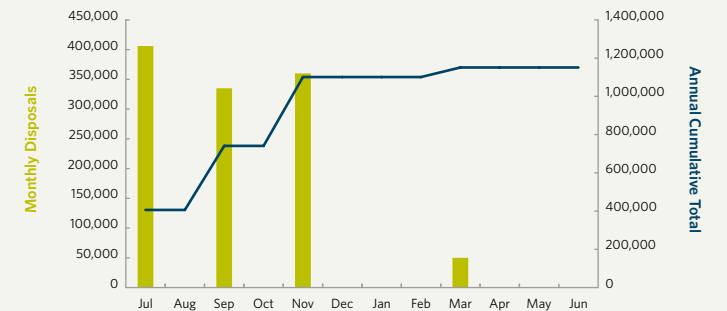
## Property acquisitions

None.

## Property management



## Property disposal



# TASMAN

## TOTAL PROGRAMME 2016/17

IMPROVEMENTS	\$000s
Commitments - Large	\$0.0
Commitments - Small	\$930.6
Planned new starts 2016/17	\$305.0
Property acquisition	\$0.0
Minor safety & efficiency improvements	\$930.6
<b>Total committed and planned improvements</b>	<b>\$2,166.3</b>
OPERATIONS AND MAINTENANCE	
<b>Total operations and maintenance</b>	<b>\$5,662.6</b>
RENEWALS	
<b>Total renewals</b>	<b>\$1,585.1</b>
TRANSPORT PLANNING	
Programme Business Case	\$350.0
Activity Management Plans	\$0.0
<b>Total transport planning</b>	<b>\$350.0</b>
WALKING AND CYCLING	
<b>Total walking and cycling</b>	<b>\$0.0</b>
EMERGENCY REINSTATEMENT - COMMITMENTS	
<b>Total emergency reinstatement commitments</b>	<b>\$0.0</b>
<b>REGIONAL TOTAL</b>	<b>\$9,764.0</b>

Regional and NOCs boundaries may not align. NOCs shown in predominant region.

Cashflows for committed projects are as at August 2016. Final financial position will determine funding availability for 2016/17. Level of activity for operations, maintenance & renewals, and potential new starts for 2016/17 will then be released in national priority order to match available funds.

## OPERATIONS, MAINTENANCE AND RENEWALS OF STATE HIGHWAYS

OPERATIONS AND MAINTENANCE WORK CATEGORY 2016/17	TASMAN
Sealed pavement maintenance	\$986.7
Unsealed pavement maintenance	\$0.0
Routine drainage maintenance	\$240.9
Structures maintenance	\$111.4
Environmental maintenance	\$1,252.1
Traffic services maintenance	\$665.9
Operational traffic management	\$153.2
Cycle path maintenance	\$38.8
Level crossing warning devices	\$0.0
Network and asset management	\$2,213.7
Property management	\$0.0
<b>Total</b>	<b>\$5,662.6</b>
RENEWAL WORK CATEGORY 2016/17	
Sealed road resurfacing	\$1,242.2
Drainage renewals	\$182.6
Pavement rehabilitation	\$34.8
Structures component replacements	\$0.0
Environmental renewals	\$0.0
Traffic services renewals	\$125.5
<b>Total</b>	<b>\$1,585.1</b>



# TASMAN

## IMPROVEMENTS OF STATE HIGHWAYS

COMMITMENTS - SMALL PROJECT PROGRAMME				\$000s
Project	Phase	2015/16	2016/17	2017/18
Minor Improvements 2015-18 - Tasman	Minor Improvements	\$930.6	\$0.0	\$0.0
<b>Commitments small projects - Grand Total</b>		<b>\$930.6</b>	<b>\$0.0</b>	<b>\$0.0</b>

PLANNED NEW STARTS 2016/17 - SMALL PROJECT PROGRAMME				\$000s
Project	Phase	Programme type		
SH60 Motueka Business Case	Detailed business case (I)	New Works	\$305.0	
<b>Sub Total</b>			<b>\$305.0</b>	
SH 60 -Richmond to Collingwood	Programme Business Case	New Works	\$350.0	
<b>Total</b>			<b>\$350.0</b>	
<b>Planned new starts small projects - Total</b>			<b>\$655.0</b>	

# CANTERBURY

## HIGHLIGHTS FOR 2016-17

### Operations, maintenance and renewals

- Resealing 62.88km.
- Thin asphalt surfacing 1.50km.
- Rehabilitation 5.56km.
- Structural asphalt 0.45km.

### State highways construction projects

- Construction of Western Belfast commenced and is progressing well.
- Christchurch Northern Arterial Competitive Alliance tendered.
- CSM2 construction contract tendered.
- Each of the Groynes to Sawyers and Harewood to Avonhead sections of the Western Corridor progressing well.

### Customer engagement

- Communicating and celebrating the start of work at the Northern Arterial and managing the expectations and effects on neighbours and the local community.
- Celebrating the start of work at the Christchurch Southern Motorway Stage 2 project and communicating how construction will be staged and effects managed.
- Ensuring we maintain the level of engagement with stakeholders on the Western Corridor and that they are informed and happy with progress.
- Continue to inform our state highway stakeholders of changes and conditions on our network, especially at major sites like the Mingha Bluff Project.

### Safety initiatives

- On-going implementation of the safe system strategy with the installation of roadside safety barriers and bridge end protection.
- Continued work within the Safety Alliance reduce the number of deaths and serious injuries on a number of routes on the North Canterbury network.
- An on-going programme of intersection improvements including assessing potential sites for RIAWS installation.

### Strategic planning

- Business cases drive the forward improvement programme through problem identification and assessment.
- Investment logic mapping workshops held with stakeholders for SH1 Picton To Christchurch, SH1 Christchurch to Dunedin, SH73/76 West Melton to Lyttelton Tunnel.
- Strategic business cases have been developed for the above, and all will progress to PBCs to identify options to address the problems.
- Work with Selwyn District to develop Rolleston Industrial Zone PBC including integration with rail.



# CANTERBURY

## REGIONAL STATISTICS

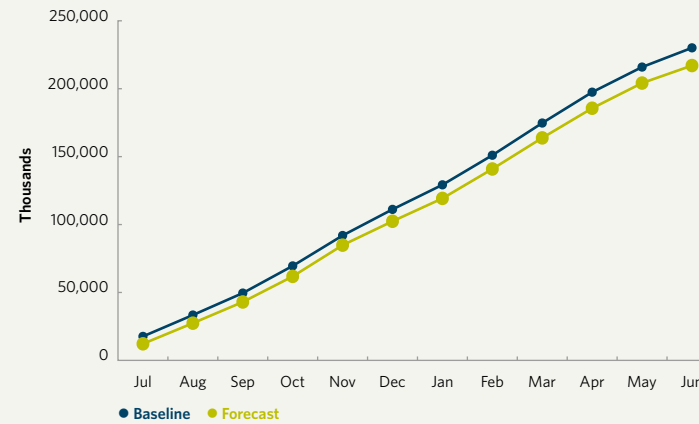
Population	586,400
Length of State highway in region (km)	1,330
% of National SH Network	12%
VkT (total) million	2,492
VkT (heavies only) million	291
% of National SH VkT %	14%

## EXPENDITURE BREAKDOWN (\$'000s)

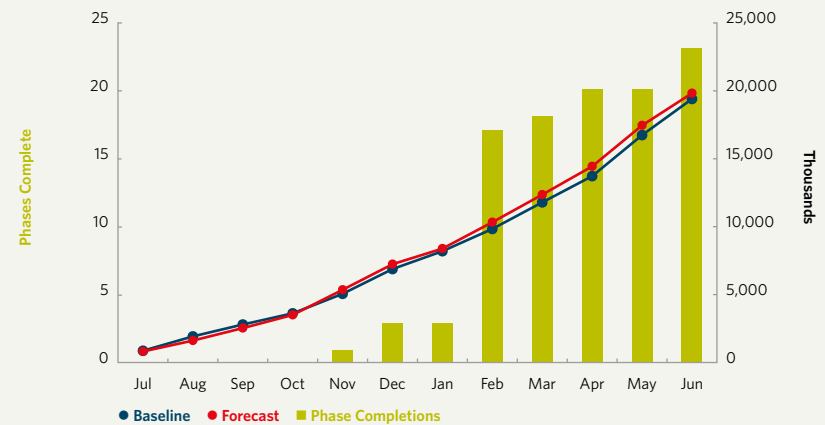
Improvements programme – Total committed and planned	\$255,879.1
Operations and Maintenance programme	\$29,634.8
Renewals Programme	\$12,178.7
Transport Planning Programme	\$0.0



## Large projects

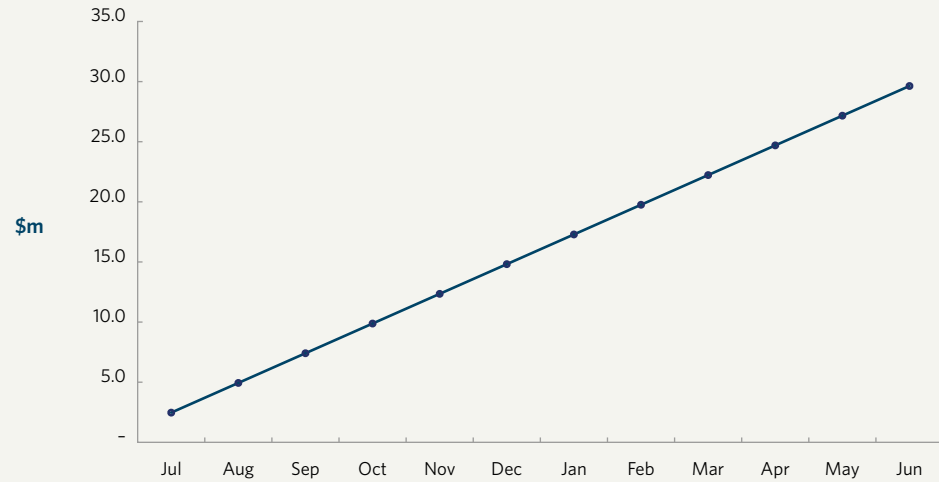


## Small projects

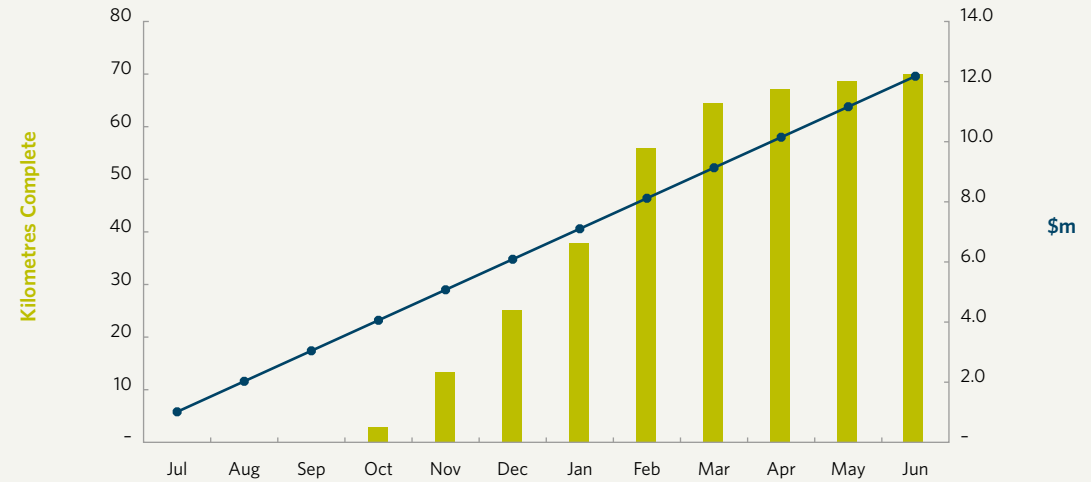


# CANTERBURY

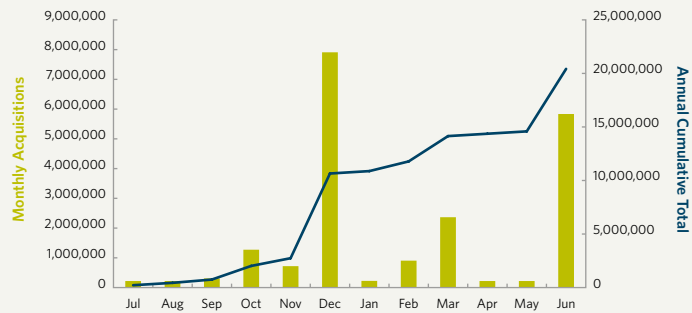
## Operations & maintenance



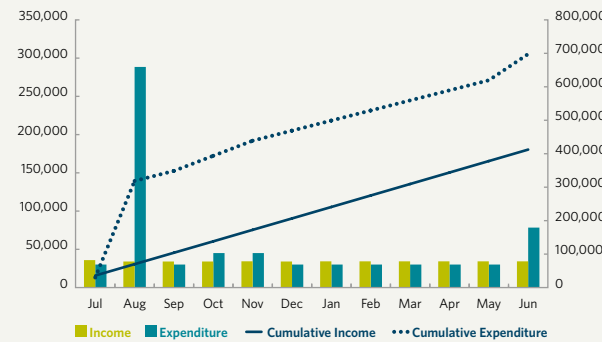
## Renewals



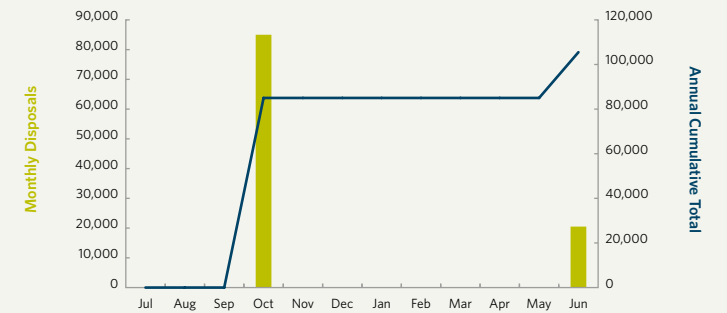
## Property acquisitions



## Property management



## Property disposal



# CANTERBURY

## TOTAL PROGRAMME 2016/17

IMPROVEMENTS	\$000s
Commitments - Large	\$214,021.1
Commitments - Small	\$3,797.7
Planned new starts 2016/17	\$11,891.2
Property acquisition	\$20,421.8
Minor safety & efficiency improvements	\$5,747.3
<b>Total committed and planned improvements</b>	<b>\$255,879.1</b>
OPERATIONS AND MAINTENANCE	
<b>Total operations and maintenance</b>	<b>\$29,634.8</b>
RENEWALS	
<b>Total renewals</b>	<b>\$12,178.7</b>
TRANSPORT PLANNING	
Programme Business Case	\$0.0
Activity Management Plans	\$0.0
<b>Total transport planning</b>	<b>\$0.0</b>
WALKING AND CYCLING	
<b>Total walking and cycling</b>	<b>\$83.4</b>
EMERGENCY REINSTATEMENT - COMMITMENTS	
<b>Total emergency reinstatement commitments</b>	<b>\$1,346.6</b>
<b>REGIONAL TOTAL</b>	<b>\$299,122.6</b>

Regional and NOCs boundaries may not align. NOCs shown in predominant region.

Cashflows for committed projects are as at August 2016. Final financial position will determine funding availability for 2016/17. Level of activity for operations, maintenance & renewals, and potential new starts for 2016/17 will then be released in national priority order to match available funds.

## OPERATIONS, MAINTENANCE AND RENEWALS OF STATE HIGHWAYS

OPERATIONS AND MAINTENANCE WORK CATEGORY 2016/17	NORTH CANTERBURY	SOUTH CANTERBURY	CHRISTCHURCH TRAFFIC OPERATIONS CENTRE	CANTERBURY NON NMA
Sealed pavement maintenance	\$3,053.0	\$1,072.1	\$0.0	\$0.0
Unsealed pavement maintenance	\$0.0	\$0.0	\$0.0	\$0.0
Routine drainage maintenance	\$752.4	\$607.1	\$0.0	\$0.0
Structures maintenance	\$3,333.3	\$400.0	\$0.0	\$0.0
Environmental maintenance	\$3,391.2	\$1,487.0	\$0.0	\$0.0
Traffic services maintenance	\$2,580.7	\$882.5	\$0.0	\$0.0
Operational traffic management	\$123.2	\$249.2	\$2,040.2	\$0.0
Cycle path maintenance	\$70.4	\$20.1	\$0.0	\$0.0
Level crossing warning devices	\$0.0	\$0.0	\$0.0	\$0.0
Network and asset management	\$5,626.8	\$1,681.3	\$255.5	\$2,008.9
Property management	\$0.0	\$0.0	\$0.0	\$0.0
<b>Total</b>	<b>\$18,931.0</b>	<b>\$6,399.3</b>	<b>\$2,295.7</b>	<b>\$2,008.9</b>
RENEWAL WORK CATEGORY 2016/17				
Sealed road resurfacing	\$2,899.6	\$1,836.8	\$0.0	\$0.0
Drainage renewals	\$189.3	\$80.4	\$0.0	\$0.0
Pavement rehabilitation	\$1,609.1	\$1,432.1	\$0.0	\$0.0
Structures component replacements	\$1,315.5	\$427.1	\$0.0	\$0.0
Environmental renewals	\$422.1	\$14.1	\$0.0	\$0.0
Traffic services renewals	\$342.2	\$234.7	\$1,375.6	\$0.0
<b>Total</b>	<b>\$6,777.8</b>	<b>\$4,025.2</b>	<b>\$1,375.6</b>	<b>\$0.0</b>

# CANTERBURY

## IMPROVEMENTS OF STATE HIGHWAYS

COMMITMENTS - LARGE PROJECT PROGRAMME			\$000s		
	Project	Phase	2016/17	2017/18	2018/19
Committed	Waitaki Bridges No1 And 2 Replacement	Construction/Implementation (C)	\$6.4	\$0.0	\$0.0
Committed	SH7 Waipara to Waikari Safety Improvemen	Detailed business case (I)	\$0.0	\$0.0	\$0.0
Committed	CSM (Stage 1)	Construction/Implementation (C)	\$0.0	\$0.0	\$0.0
Committed	Sawyers Arms to Harewood 4L	Construction/Implementation (C)	\$192.5	\$0.0	\$0.0
Committed	Groynes to Sawyers Arms 4L	Construction/Implementation (C)	\$8,361.6	\$961.4	\$1,374.6
Committed	Yaldhurst Rd to Waterloo Rd 4L	Construction/Implementation (C)	\$30.4	\$0.0	\$0.0
Committed	QE2 Four Laning NArt to Hills Rd 4L	Detailed business case (I)	\$3.8	\$0.0	\$0.0
Committed	CHCH Northern Arterial Rural with QE2	Pre Implementation (D)	\$196.0	\$0.0	\$0.0
Committed	CHCH Northern Arterial Rural with QE2	Construction/Implementation (C)	\$64,048.0	\$71,000.0	\$46,000.0
Committed	Western Belfast By-Pass	Construction/Implementation (C)	\$34,425.3	\$10,050.0	\$3,100.0
Committed	Lyttelton Tunnel Safety Retrofit	Pre Implementation (D)	\$95.6	\$0.0	\$0.0
Committed	CSM (Stage 2)	Pre Implementation (D)	-\$712.1	\$0.0	\$0.0
Committed	CSM (Stage 2)	Construction/Implementation (C)	\$50,077.3	\$77,972.7	\$77,972.7
Committed	Mingha Bluff to Rough Creek	Pre Implementation (D)	-\$0.1	\$0.0	\$0.0
Committed	Mingha Bluff to Rough Creek	Construction/Implementation (C)	\$6,968.0	\$0.0	\$0.0
Committed	Barthers/Main Sth intersection	Pre Implementation (D)	\$16.8	\$0.0	\$0.0
Committed	Barthers/Main Sth intersection	Construction/Implementation (C)	\$6,632.8	\$3,914.3	\$0.0
Committed	Harewood Rd to Yaldhurst Rd	Pre Implementation (D)	\$0.7	\$0.0	\$0.0
Committed	Harewood Rd to Yaldhurst Rd (SP3)	Construction/Implementation (C)	\$39,186.3	\$18,910.6	\$0.0
Committed	Christchurch RoNS Programme Management	Detailed business case (I)	\$618.5	\$650.0	\$0.0

# CANTERBURY

COMMITMENTS - LARGE PROJECT PROGRAMME				\$000s	
	Project	Phase	2016/17	2017/18	2018/19
Committed	Brough Road Extension	Detailed business case (I)	\$0.0	\$0.0	\$0.0
Committed	Brough Road Extension	Pre Implementation (D)	\$41.8	\$0.0	\$0.0
Committed	Brough Road Extension	Construction/Implementation (C)	\$3,500.0	\$0.0	\$0.0
Committed	SH7: Waipara to Waikari	Pre Implementation (D)	\$331.6	\$0.0	\$0.0
<b>Commitments large projects - Grand Total</b>			<b>\$214,021.1</b>	<b>\$183,459.0</b>	<b>\$128,447.3</b>

COMMITMENTS - SMALL PROJECT PROGRAMME				\$000s	
	Project	Phase	2016/17	2017/18	2018/19
Committed	Tinwald Corridor Study	Studies	\$13.9	\$0.0	\$0.0
Committed	Minor Improvements 2015-18 - Canterbury	Minor Improvements	\$5,747.3	\$2,600.0	\$0.0
Committed	Strategic Transport Model Updating	Studies	\$4.5	\$4.9	\$0.0
Committed	SH73/76 West Melton - Tunnel	Studies	\$320.4	\$0.0	\$0.0
Committed	SH1 Christchurch to Dunedin Corridor	Studies	\$336.1	\$0.0	\$0.0
Committed	Canterbury transport/land use study	Studies	\$0.0	\$0.0	\$0.0
Committed	HPMV - SH 1 Blenheim to Christchurch	Pre Implementation (D)	\$0.0	\$0.0	\$0.0
Committed	HPMV - Blenheim to Christchurch	Construction/Implementation (C)	\$0.0	\$0.0	\$0.0
Committed	HPMV - Queenstown to Chch (Canterbury)	Pre Implementation (D)	\$0.0	\$0.0	\$0.0
Committed	HPMV - Inv to Qtn to Chch (Canterbury)	Construction/Implementation (C)	\$0.0	\$0.0	\$0.0
Committed	Road Safety Promotion 15-18 Canterbury	Construction/Implementation (C)	\$106.5	\$104.3	\$0.0
Committed	SH73 Waimakariri Bluffs and Paddy's Bend	Construction/Implementation (C)	\$1,228.3	\$0.0	\$0.0
Committed	Walnut Avenue Intersection Improvements	Pre Implementation (D)	\$0.0	\$0.0	\$0.0
Committed	Dyers Road Improvements	Construction/Implementation (C)	\$1,533.9	\$4.3	\$0.0
Committed	Lineside Rd On-Ramp	Construction/Implementation (C)	\$0.0	\$0.0	\$0.0
Committed	Christchurch Bus Priority Measures	Pre Implementation (D)	\$0.0	\$0.0	\$0.0

# CANTERBURY

COMMITMENTS – SMALL PROJECT PROGRAMME				\$000s		
	Project	Phase	2016/17	2017/18	2018/19	
Committed	Christchurch Bus Priority Measures	Construction/Implementation (C)	\$95.9	\$0.0	\$0.0	
Committed	Okarahia to Conway Side Protection	Construction/Implementation (C)	\$0.0	\$0.0	\$0.0	
Committed	North Ashburton Safety Works	Detailed business case (I)	\$16.7	\$0.0	\$0.0	
Committed	North Ashburton Safety Works	Pre Implementation (D)	\$11.9	\$0.0	\$0.0	
Committed	Curletts Rd Optimisation	Construction/Implementation (C)	\$0.0	\$0.0	\$0.0	
Committed	Rakaia Bridge Weigh-in-Motion	Construction/Implementation (C)	\$11.1	\$0.0	\$0.0	
Committed	SH74: Marshlands to Burwood Median Barrier	Detailed Business Case (I)	\$118.5	\$0.0	\$0.0	
<b>Sub Total</b>			<b>\$9,545.0</b>	<b>\$2,713.5</b>	<b>\$0.0</b>	
Committed – emergency works	(E) Nth Canty April 14 Flooding & Wind	Emergency Works	\$172.6	\$0.0	\$0.0	
Committed – emergency works	EW Christchurch Earthquake Feb11	Emergency Works	\$1,174.4	\$0.0	\$0.0	
Committed – emergency works	EW Heavy Rainfall June/July 2013	Emergency Works	-\$0.4	\$0.0	\$0.0	
<b>Sub Total</b>			<b>\$1,346.6</b>	<b>\$0.0</b>	<b>\$0.0</b>	
Committed – W & C	Christchurch Cycling Facilities	Construction/Implementation (C)	\$83.4	\$0.0	\$0.0	
<b>Sub Total</b>			<b>\$83.4</b>	<b>\$0.0</b>	<b>\$0.0</b>	
<b>Commitments small projects – Grand Total</b>			<b>\$10,975.0</b>	<b>\$2,713.5</b>	<b>\$0.0</b>	



# CANTERBURY

PLANNED NEW STARTS 2016/17 – LARGE PROJECT PROGRAMME			
Project	Phase	Programme type	2016/17
SH1: Raikaia to Ashburton	Detailed Business Case (I)	New Works	\$310.0
SH1: Raikaia to Ashburton	Pre Implementation (D)	New Works	\$90.0
SH1: Ashley to Belfast	Detailed Business Case (I)	New Works	\$160.0
SH1: Ashley to Belfast	Pre Implementation (D)	New Works	\$160.0
SH1: Ashley to Belfast	Construction/Implementation (C)	New Works	\$100.0
SH1: Rangitata to Timaru	Detailed Business Case (I)	New Works	\$228.0
SH1: Rangitata to Timaru	Pre Implementation (D)	New Works	\$78.0
SH7: Waipara to Waikari	Construction/Implementation (C)	New Works	\$1,915.0
<b>Planned new starts large projects – Total</b>			<b>\$3,041.0</b>

PLANNED NEW STARTS 2016/17 – SMALL PROJECT PROGRAMME			
Project	Phase	Programme type	2016/17
Lyttelton Tunnel Safety Retrofit (Deluge) System	Construction/Implementation (C)	New Works	\$6,550.2
Brougham Street Corridor Improvements	Detailed business case (I)	New Works	\$75.0
Rakaia to Ashburton Safety Improvements	Detailed business case (I)	New Works	\$150.0
Woodend Corridor Safety Improvements	Detailed business case (I)	New Works	\$100.0
WeighRight – SH1 Waipara (Technology trial)	Construction/Implementation (C)	New Works	\$475.0
SH73 Waimakarere Bluff & Paddys Bend	Construction/Implementation (C)	New Works	\$1,360.0
SH74: Marshlands to Burwood Median Barrier	Pre Implementation (D)	New Works	\$140.0
<b>Planned new starts small projects – Total</b>			<b>\$8,850.2</b>

# WEST COAST

## HIGHLIGHTS FOR 2016-17

### Operations, maintenance and renewals

- Resealing 27.68km.
- To implement and complete SH7 Garveys Rock scour protection.
- Undertake channel clearing and groyne management at SH73 Kellys Creek.
- Continuing resilience work on the West Coast.

### State highways construction projects

- Further opportunities to accelerate delivery have been investigated and construction of the new bridge is expected to start summer 2016 after tendering for the construction supplier in Q4. It will take two years to build.

### Customer engagement

- Continue to inform our state highway stakeholders of changes and conditions on our network, especially at major sites like the Mingha Bluff Project.

### Safety initiatives

- On-going implementation of the safe system strategy with the installation of roadside safety barriers and bridge end protection.
- Participation in the Visiting Drivers Signature Project.
- An on-going programme of intersection improvements including assessing potential sites for RIAWS installation.

### Strategic planning

- PBC Business Case being developed for Visiting Drivers Signature Project in Southland, Otago and West Coast.



# WEST COAST

## REGIONAL STATISTICS

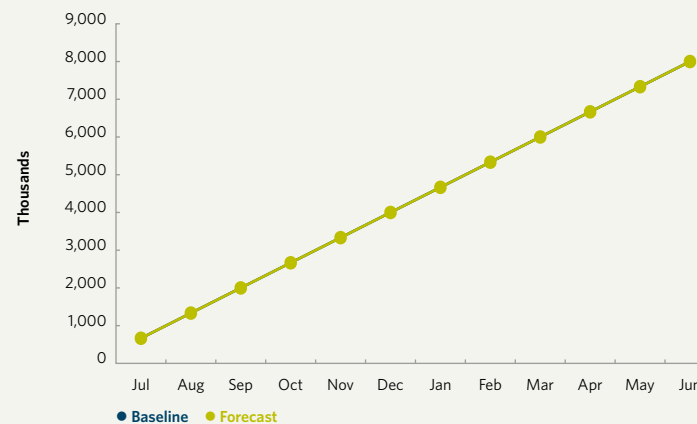
Population	32,700
Length of State highway in region (km)	872
% of National SH Network	8%
VkT (total) million	393
VkT (heavies only) million	53
% of National SH VkT %	2%

## EXPENDITURE BREAKDOWN (\$'000s)

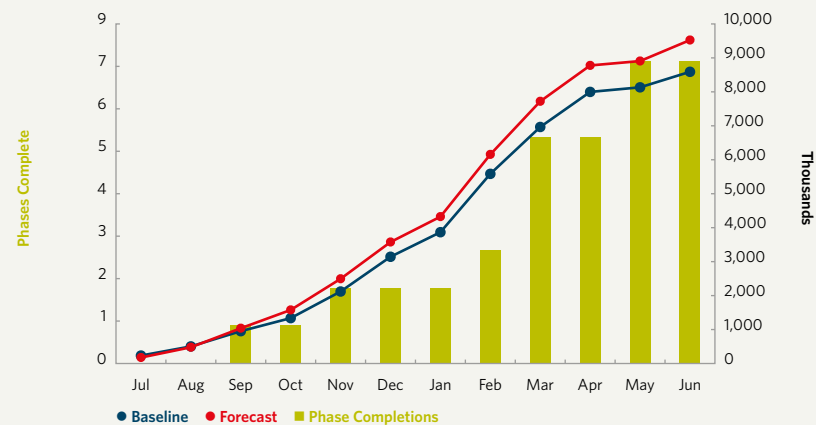
Improvements programme - Total committed and planned	\$17,165.2
Operations and Maintenance programme	\$10,396.2
Renewals Programme	\$2,803.5
Transport Planning Programme	\$0.0



## Large projects

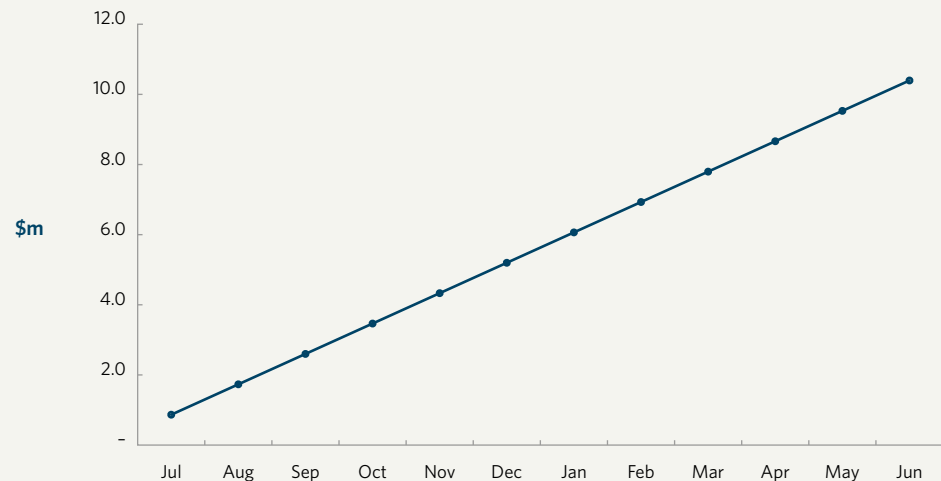


## Small projects

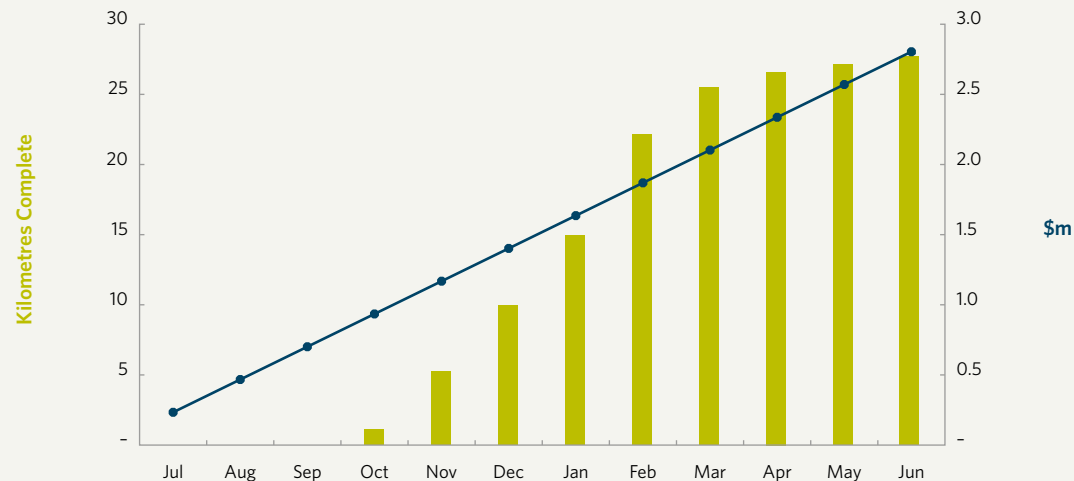


# WEST COAST

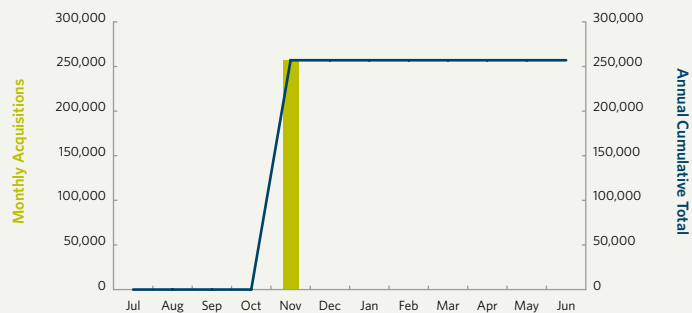
## Operations & maintenance



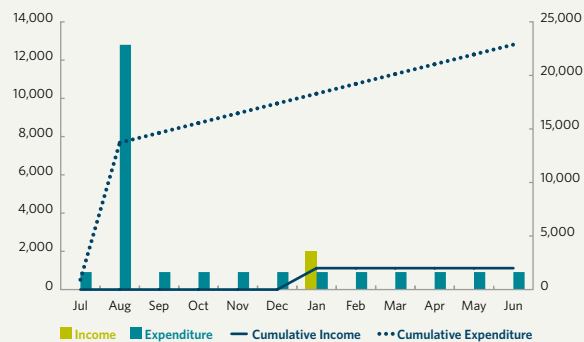
## Renewals



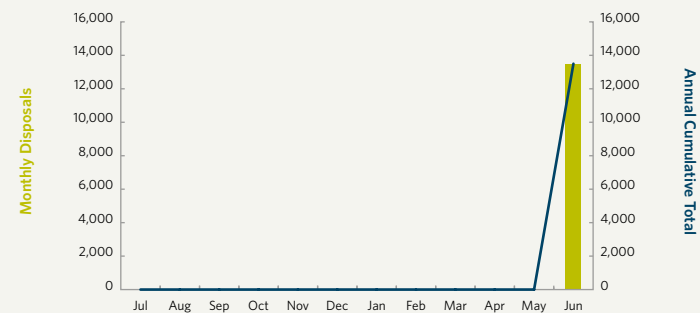
## Property acquisitions



## Property management



## Property disposal



# WEST COAST

## TOTAL PROGRAMME 2016/17

IMPROVEMENTS	\$000s
Commitments - Large	\$0.0
Commitments - Small	\$484.5
Planned new starts 2016/17	\$14,892.5
Property acquisition	\$257.0
Minor safety & efficiency improvements	\$1,531.2
<b>Total committed and planned improvements</b>	<b>\$17,165.2</b>
OPERATIONS AND MAINTENANCE	
<b>Total operations and maintenance</b>	<b>\$10,396.2</b>
RENEWALS	
<b>Total renewals</b>	<b>\$2,803.5</b>
TRANSPORT PLANNING	
Programme Business Case	\$0.0
Activity Management Plans	\$0.0
<b>Total transport planning</b>	<b>\$0.0</b>
WALKING AND CYCLING	
<b>Total walking and cycling</b>	<b>\$0.0</b>
EMERGENCY REINSTATEMENT - COMMITMENTS	
<b>Total emergency reinstatement commitments</b>	<b>\$615.2</b>
<b>REGIONAL TOTAL</b>	<b>\$30,980.2</b>

Regional and NOCs boundaries may not align. NOCs shown in predominant region.

Cashflows for committed projects are as at August 2016. Final financial position will determine funding availability for 2016/17. Level of activity for operations, maintenance & renewals, and potential new starts for 2016/17 will then be released in national priority order to match available funds.

## OPERATIONS, MAINTENANCE AND RENEWALS OF STATE HIGHWAYS

OPERATIONS AND MAINTENANCE WORK CATEGORY 2016/17	WEST COAST
Sealed pavement maintenance	\$1,752.1
Unsealed pavement maintenance	\$0.0
Routine drainage maintenance	\$477.0
Structures maintenance	\$1,567.5
Environmental maintenance	\$3,372.5
Traffic services maintenance	\$1,443.2
Operational traffic management	\$73.4
Cycle path maintenance	\$0.0
Level crossing warning devices	\$0.0
Network and asset management	\$1,710.6
Property management	\$0.0
<b>Total</b>	<b>\$10,396.2</b>
RENEWAL WORK CATEGORY 2016/17	
Sealed road resurfacing	\$1,770.9
Drainage renewals	\$40.7
Pavement rehabilitation	\$0.0
Structures component replacements	\$909.5
Environmental renewals	\$5.0
Traffic services renewals	\$77.4
<b>Total</b>	<b>\$2,803.5</b>

# WEST COAST

## IMPROVEMENTS OF STATE HIGHWAYS

COMMITMENTS - SMALL PROJECT PROGRAMME				\$000s		
	Project	Phase	2016/17	2017/18	2018/19	
Committed	Taramakau Road Bridge	Pre Implementation (D)	\$207.8	\$0.0	\$0.0	
Committed	WC Passing Opportunity Improvements	Pre Implementation (D)	\$126.4	\$0.0	\$0.0	
Committed	Minor Improvements 2015-18 - West Coast	Minor Improvements	\$1,531.2	\$700.0	\$0.0	
Committed	Road Safety Promotion 15-18 West Coast	Construction/Implementation (C)	\$29.5	\$33.1	\$0.0	
Committed	Visitor Driver Signature Project - West	Detailed business case (I)	\$120.9	\$0.0	\$0.0	
Committed	Community Advertising 9/15 - West Coast	Construction/Implementation (C)	\$0.0	\$0.0	\$0.0	
Committed	Taramakau Bridge Safety Improvement	Pre Implementation (D)	\$0.0	\$0.0	\$0.0	
<b>Sub Total</b>			<b>\$2,015.7</b>	<b>\$733.1</b>	<b>\$0.0</b>	
Committed - emergency works	(E) May 14 West Coast	Emergency Works	\$8.9	\$0.0	\$0.0	
Committed - emergency works	(EW) West Coast March 2015	Emergency Works	\$16.1	\$0.0	\$0.0	
Committed - emergency works	May 2016 Emergency Works	Emergency Works	\$554.2	\$0.0	\$0.0	
Committed - emergency works	(E) West Coast Rockfall August 13	Emergency Works	\$36.0	\$0.0	\$0.0	
<b>Sub Total</b>			<b>\$615.2</b>	<b>\$0.0</b>	<b>\$0.0</b>	
<b>Commitments small projects - Grand Total</b>			<b>\$2,630.9</b>	<b>\$733.1</b>	<b>\$0.0</b>	

PLANNED NEW STARTS 2016/17 - LARGE PROJECT PROGRAMME				
Project	Phase	Programme type	2016/17	
Taramakau Bridge Replacement	Construction/Implementation (C)	New Works	\$8,000.0	
<b>Planned new starts large projects - Total</b>			<b>\$8,000.0</b>	

# WEST COAST

PLANNED NEW STARTS 2016/17 – SMALL PROJECT PROGRAMME			
Project	Phase	Programme type	2016/17
SH6 Franz Josef to Fox Glacier Slow Vehicle Bays	Construction/Implementation (C)	New Works	\$297.1
SH73 Jacksons to Kumara Slow Vehicle Bays	Construction/Implementation (C)	New Works	\$97.5
SH73 Monument to Jacksons Slow Vehicle Bays	Construction/Implementation (C)	New Works	\$194.9
Visitor Driver Signature Project – West Coast	Construction/Implementation (C)	New Works	\$1,000.0
Ahaura Bridge	Detailed business case (I)	New Works	\$220.0
Waiho Flood protection	Construction/Implementation (C)	New Works	\$2,000.0
SH6 High St/Marlborough St intersection	Pre Implementation (D)	New Works	\$60.0
SH6 High St/Marlborough St intersection	Construction/Implementation (C)	New Works	\$603.0
Visitor Driver Signature Project – West	Pre Implementation (D)	New Works	\$100.0
WeighRight Westcoast – SH6 Paroa/Gladstone	Pre Implementation (D)	New Works	\$55.0
WeighRight – SH6 Paroa/Gladstone	Construction/Implementation (C)	New Works	\$1,045.0
SH6 Inangahua Junction to SH67 Slow Vehicle Bays	Construction/Implementation (C)	New Works	\$700.0
SH7 Springs Junction to Reefton Slow Vehicle Bays	Construction/Implementation (C)	New Works	\$520.0
<b>Planned new starts small projects – Total</b>			<b>\$6,892.5</b>

# OTAGO

## HIGHLIGHTS FOR 2016-17

### Operations, maintenance and renewals

- Continue focus on network availability and timely maintenance.
- Tendering of new Network Outcome Maintenance contracts for Central Otago and Coastal Otago which will commence the following financial year.
- Undertake 46km of highway resurfacing and renewal works.
- Katiki coast erosion control progress and complete implementation of erosion prevention measures.

### State highways construction projects

- Complete design and commence construction of Dunedin one-way system (SH1) separated cycle lanes.
- Construction continues of the Kawarau Falls bridge replacement (SH6).
- Develop detailed business case for a new alignment and bridge at Beaumont Bridge (SH8).
- Complete design to be ready for construction on the remaining stages of the shared path between St Leonards and Port Chalmers (SH88).

### Customer engagement

- Continue to work collaboratively with all territorial authorities to explore opportunities to find efficiencies and the one network customer approach.
- Review the draft SH88 traffic delay response plan for the cruise ship industry with all partners and stakeholders.
- Review the Highway Network Emergency Response plan and continue close work with other Lifeline organisations.

### Safety initiatives

- Complete design and commence construction of road side crash protection measures for Dunedin to Fairfield (SH1) and Dunedin to Port Chalmers (SH88) safety improvements.
- Enhance visiting driver safety through a 'Visiting Driver' Signature Safety project.

### Strategic planning

- Continue development of the business case for Frankton Flats.
- Develop a network resilience business case for SH1 between Waitaki River and Dunedin.





# OTAGO

## REGIONAL STATISTICS

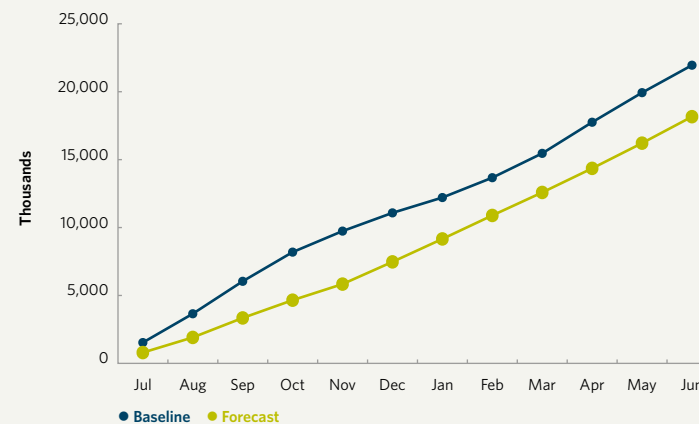
Population	215,000
Length of State highway in region (km)	1,300
% of National SH Network	12%
VkT (total) million	1,330
VkT (heavies only) million	136
% of National SH VkT %	6%

## EXPENDITURE BREAKDOWN (\$000s)

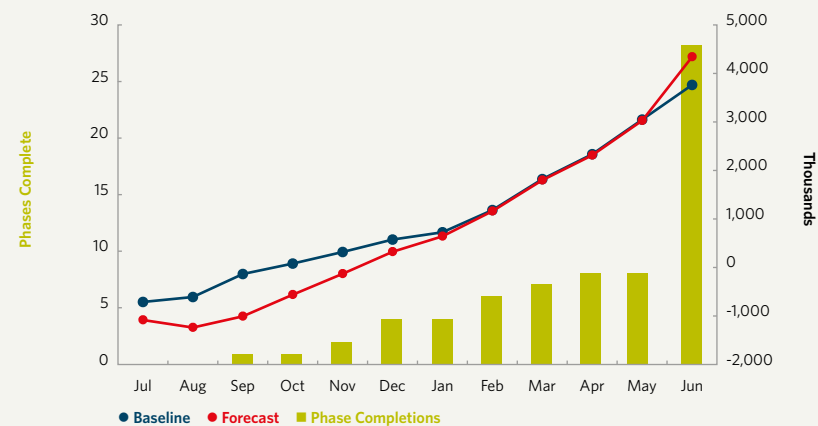
Improvements programme - Total committed and planned	\$20,031.4
Operations and Maintenance programme	\$19,230.0
Renewals Programme	\$6,816.1
Transport Planning Programme	\$0.0



## Large projects

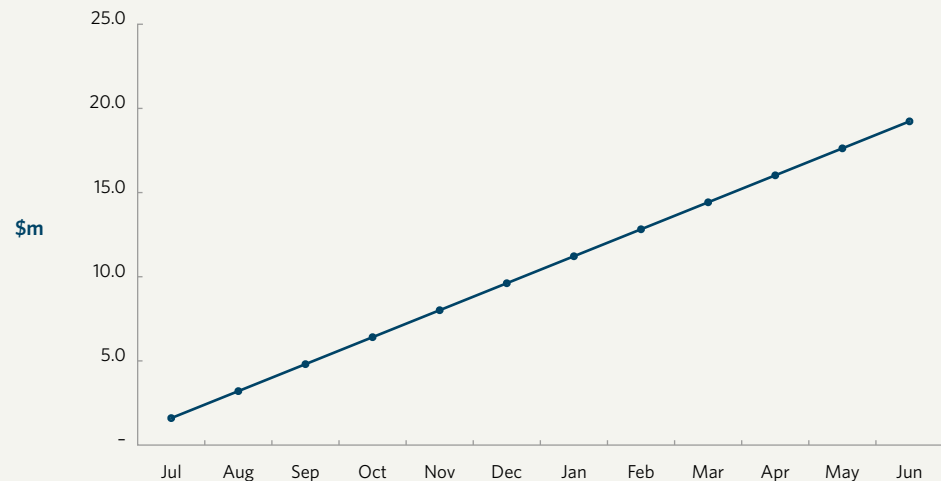


## Small projects

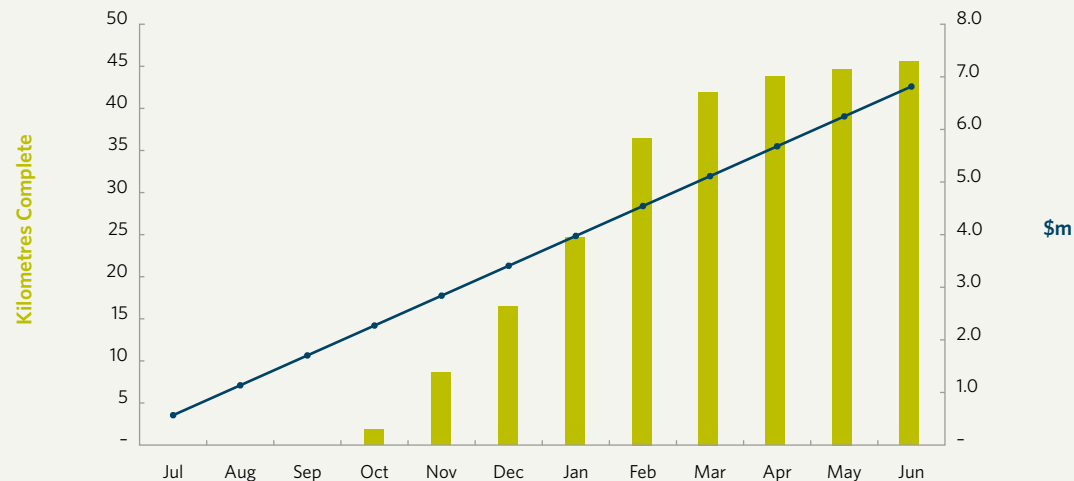


# OTAGO

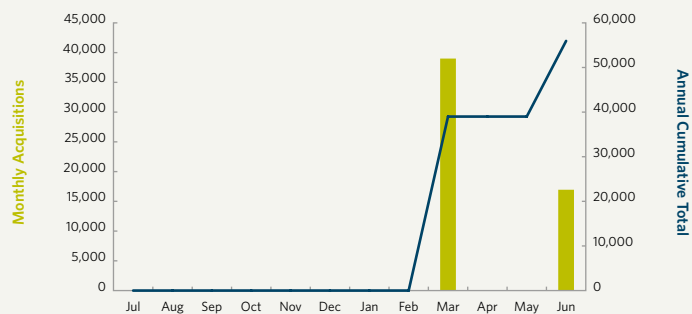
## Operations & maintenance



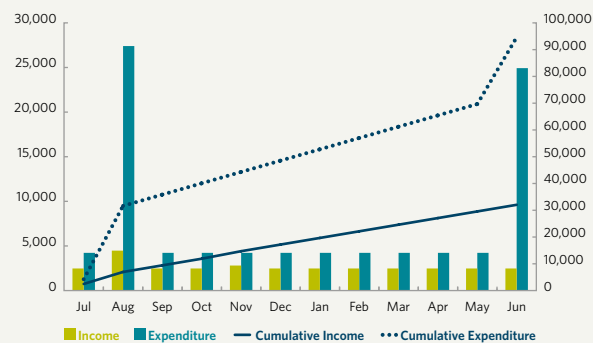
## Renewals



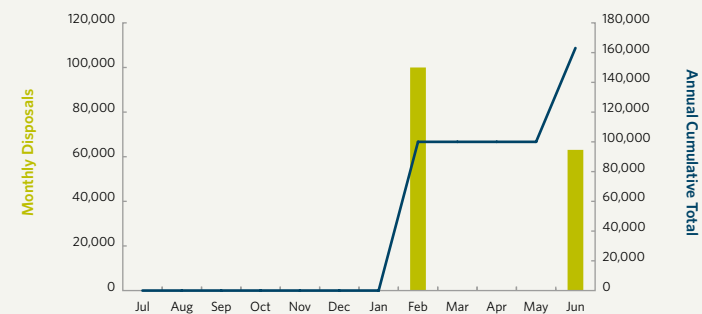
## Property acquisitions



## Property management



## Property disposal



# OTAGO

## TOTAL PROGRAMME 2016/17

IMPROVEMENTS	\$000s
Commitments - Large	\$14,637.8
Commitments - Small	-\$7.7
Planned new starts 2016/17	\$4,984.2
Property acquisition	\$55.9
Minor safety & efficiency improvements	\$361.2
<b>Total committed and planned improvements</b>	<b>\$20,031.4</b>
OPERATIONS AND MAINTENANCE	
<b>Total operations and maintenance</b>	<b>\$19,230.0</b>
RENEWALS	
<b>Total renewals</b>	<b>\$6,816.1</b>
TRANSPORT PLANNING	
Programme Business Case	\$0.0
Activity Management Plans	\$0.0
<b>Total transport planning</b>	<b>\$0.0</b>
WALKING AND CYCLING	
<b>Total walking and cycling</b>	<b>\$2,380.6</b>
EMERGENCY REINSTATEMENT - COMMITMENTS	
<b>Total emergency reinstatement commitments</b>	<b>\$147.9</b>
<b>REGIONAL TOTAL</b>	<b>\$48,606.1</b>

Regional and NOCs boundaries may not align. NOCs shown in predominant region.

Cashflows for committed projects are as at August 2016. Final financial position will determine funding availability for 2016/17. Level of activity for operations, maintenance & renewals, and potential new starts for 2016/17 will then be released in national priority order to match available funds.

## OPERATIONS, MAINTENANCE AND RENEWALS OF STATE HIGHWAYS

OPERATIONS AND MAINTENANCE WORK CATEGORY 2016/17	CENTRAL OTAGO	CENTRAL OTAGO	CENTRAL OTAGO	COASTAL OTAGO
Sealed pavement maintenance	\$1,199.2	\$1,620.9	\$50.0	\$0.0
Unsealed pavement maintenance	\$0.0	\$0.0	\$0.0	\$0.0
Routine drainage maintenance	\$344.9	\$585.6	\$5.0	\$0.0
Structures maintenance	\$326.9	\$422.0	\$34.3	\$0.0
Environmental maintenance	\$1,519.2	\$1,630.1	\$770.0	\$0.0
Traffic services maintenance	\$866.3	\$1,163.4	\$684.8	\$0.0
Operational traffic management	\$318.6	\$0.0	\$379.9	\$0.0
Cycle path maintenance	\$0.0	\$0.0	\$0.0	\$0.0
Level crossing warning devices	\$0.0	\$0.0	\$0.0	\$0.0
Network and asset management	\$2,431.2	\$1,913.1	\$812.2	\$2,152.5
Property management	\$0.0	\$0.0	\$0.0	\$0.0
<b>Total</b>	<b>\$7,006.2</b>	<b>\$7,335.1</b>	<b>\$2,736.2</b>	<b>\$2,152.5</b>
RENEWALS WORK CATEGORY 2016/17				
Sealed road resurfacing	\$1,379.4	\$2,328.8	\$0.0	\$0.0
Drainage renewals	\$37.7	\$81.7	\$0.0	\$0.0
Pavement rehabilitation	\$311.6	\$988.7	\$0.0	\$0.0
Structures component replacements	\$366.8	\$0.0	\$1,080.4	\$0.0
Environmental renewals	\$0.0	\$0.0	\$0.0	\$0.0
Traffic services renewals	\$116.0	\$50.0	\$75.0	\$0.0
<b>Total</b>	<b>\$2,211.5</b>	<b>\$3,449.2</b>	<b>\$1,155.4</b>	<b>\$0.0</b>

# OTAGO

## IMPROVEMENTS OF STATE HIGHWAYS

COMMITMENTS - LARGE PROJECT PROGRAMME			\$000s		
	Project	Phase	2016/17	2017/18	2018/19
Committed	Dunedin – Fairfield Safety Improvements	Detailed business case (I)	-\$177.1	\$0.0	\$0.0
Committed	Grant Rd to KF Bridge Improvements	Detailed business case (I)	\$180.0	\$0.0	\$0.0
Committed	Caversham Highway Improvements: Stage 1	Construction/Implementation (C)	-\$10.4	\$0.0	\$0.0
Committed	Kawarau Falls Bridge	Construction/Implementation (C)	\$14,143.5	\$4,329.1	\$0.0
Committed	Beaumont Bridge Replacement	Detailed business case (I)	\$190.0	\$0.0	\$0.0
Committed	Caversham Highway Improvements: Stage 2	Construction/Implementation (C)	\$223.9	\$50.0	\$0.0
Committed	SH1: Dunedin to Fairfield	Pre Implementation (D)	\$87.9	\$0.0	\$0.0
<b>Sub Total</b>			<b>\$14,637.8</b>	<b>\$4,379.1</b>	<b>\$0.0</b>
Committed – W & C	SH 88 Cycling and Pedestrian Facilities	Detailed business case (I)	\$7.7	\$0.0	\$0.0
Committed – W & C	SH 88 Cycling and Pedestrian Facilities	Pre Implementation (D)	\$133.6	\$0.0	\$0.0
Committed – W & C	SH 88 Cycling and Pedestrian Facilities	Construction/Implementation (C)	\$300.4	\$4,700.0	\$5,000.0
<b>Sub Total</b>			<b>\$441.7</b>	<b>\$4,700.0</b>	<b>\$5,000.0</b>
<b>Commitments large projects – Grand Total</b>			<b>\$15,079.6</b>	<b>\$9,079.1</b>	<b>\$5,000.0</b>

## OTAGO

COMMITMENTS – SMALL PROJECT PROGRAMME				\$000s		
	Project	Phase	2016/17	2017/18	2018/19	
Committed	Frankton Flats Programme Business Case	Studies	\$100.0	\$0.0	\$0.0	
Committed	Minor Improvements 2015-18 Otago	Minor Improvements	\$361.2	\$0.0	\$0.0	
Committed	Queenstown Transportation Study	Studies	\$0.0	\$0.0	\$0.0	
Committed	HPMV – Queenstown to Dunedin	Construction/Implementation (C)	\$337.2	\$0.0	\$0.0	
Committed	Kakaho Creek Realignment	Construction/Implementation (C)	-\$18.8	\$0.0	\$0.0	
Committed	Visiting Driver Signature Project Otago	Detailed business case (I)	\$74.4	\$0.0	\$0.0	
Committed	Katiki Coast Enhanced Resilience	Construction/Implementation (C)	\$938.6	\$0.0	\$0.0	
Committed	Glenda Drive	Construction/Implementation (C)	-\$1,529.8	\$0.0	\$0.0	
Committed	Seismic Retrofit 2012-15 Otago	Construction/Implementation (C)	\$90.7	\$0.0	\$0.0	
<b>Sub Total</b>			<b>\$353.5</b>	<b>\$0.0</b>	<b>\$0.0</b>	
Committed – emergency works	Minor Emergency works CeO Beans Bluff	Emergency Works	\$0.0	\$0.0	\$0.0	
Committed – emergency works	Central Otago Flooding 3 June 2015	Emergency Works	\$7.7	\$0.0	\$0.0	
Committed – emergency works	(E) SH6 Pipson Creek Flood 18 Feb16	Emergency Works	\$9.0	\$0.0	\$0.0	
Committed – emergency works	EW Coastal Otago Rain Event 16 June 201	Emergency Works	\$131.1	\$0.0	\$0.0	
<b>Sub Total</b>			<b>\$147.9</b>	<b>\$0.0</b>	<b>\$0.0</b>	
Committed – W & C	Dunedin One Way Pair Cycle Lanes	Indicative business case	-\$0.1	\$0.0	\$0.0	
Committed – W & C	Dunedin One Way Pair Cycle Lanes	Pre Implementation (D)	\$339.0	\$0.0	\$0.0	
<b>Sub Total</b>			<b>\$338.9</b>	<b>\$0.0</b>	<b>\$0.0</b>	
<b>Commitments small projects – Grand Total</b>			<b>\$840.3</b>	<b>\$0.0</b>	<b>\$0.0</b>	

# OTAGO

PLANNED NEW STARTS 2016/17 – LARGE PROJECT PROGRAMME				
Project	Phase	Programme type	2016/17	
Beaumont bridge replacement	Pre Implementation (D)	New Works	\$150.0	
SH1: Oamaru to Dunedin	Detailed Business Case (I)	New Works	\$228.0	
SH1: Oamaru to Dunedin	Pre Implementation (D)	New Works	\$78.0	
SH1: Dunedin to Fairfield	Construction/Implementation (C)	New Works	\$1,237.5	
SH88: Dunedin to Port Chalmers	Detailed Business Case (I)	New Works	\$52.8	
SH88: Dunedin to Port Chalmers	Pre Implementation (D)	New Works	\$160.0	
SH88: Dunedin to Port Chalmers	Construction/Implementation (C)	New Works	\$900.0	
SH1: Mosgiel to Balclutha	Detailed Business Case (I)	New Works	\$157.0	
SH1: Mosgiel to Balclutha	Pre Implementation (D)	New Works	\$120.0	
<b>Total</b>			<b>\$3,083.3</b>	

PLANNED NEW STARTS 2016/17 – SMALL PROJECT PROGRAMME				
Project	Phase	Programme type	2016/17	
Grant Rd to KF Bridge Improvements	Pre Implementation (D)	New Works	\$350.9	
Grant Rd to KF Bridge Improvements	Construction/Implementation (C)	New Works	\$190.0	
Nevis Bluff Rockfall Protection	Detailed business case (I)	New Works	\$40.0	
Pine Hill Rd/Great King St Intersection Improvements	Detailed business case (I)	New Works	\$80.0	
St Andrews St Anzac Ave	Pre Implementation (D)	New Works	\$100.0	
Visiting Driver Signature Project Otago	Pre Implementation (D)	New Works	\$100.0	
Visiting Driver Signature Project Otago	Construction/Implementation (C)	New Works	\$1,000.0	
Big Kuri Creek Flood Mitigation	Detailed business case (I)	New Works	\$40.0	
<b>Sub Total</b>			<b>\$1,900.9</b>	
Dunedin One Way Pair Cycle Lanes	Construction/Implementation (C)	New Works	\$1,600.0	
<b>Sub Total</b>			<b>\$1,600.0</b>	
<b>Planned new starts small projects – Total</b>			<b>\$3,500.9</b>	

# SOUTHLAND

## HIGHLIGHTS FOR 2016-17

### Operations, maintenance and renewals

- Continue focus on network availability and timely maintenance.
- A new Southland Network Outcome Maintenance contracts will commence part way through the 2015/16 financial year.
- Undertake 14km of highway resurfacing and renewal works.

### State highways construction projects

- Complete detailed design including consultation, land purchase and land-use consents for Edendale realignment (SH1).

### Customer engagement

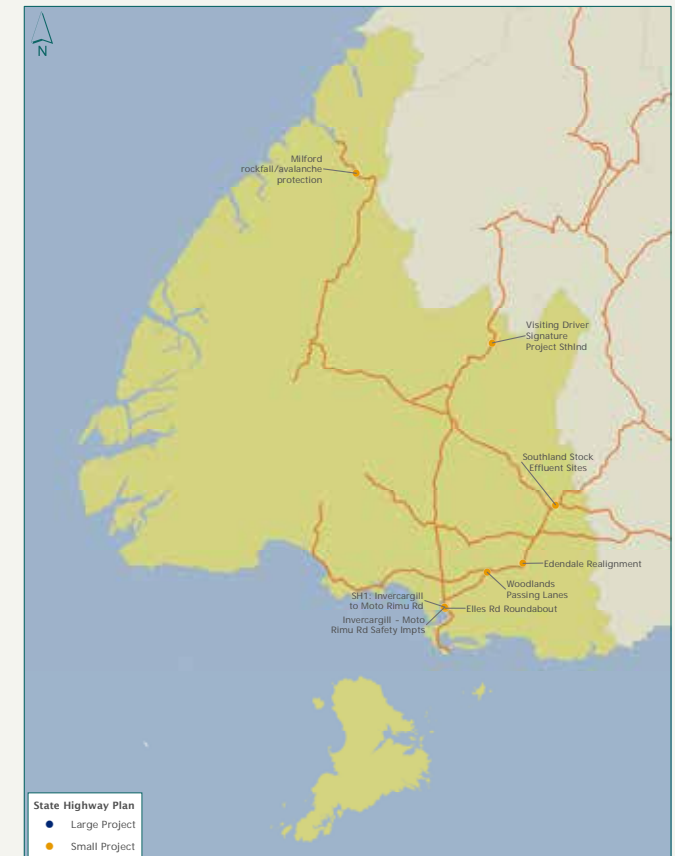
- Continue to improve one network HPMV route coverage in Southland.
- Work with tourism organisations to review and discuss Milford Road (SH94) closure options.
- Review the Highway Network Emergency Response plan and continue close work with other Lifeline organisations.

### Safety initiatives

- Focus on high risk routes and intersections from the National Roads and Roadside Business Case.
- Enhance visiting driver safety through a 'Visiting Driver' Signature Safety project.

### Strategic planning

- Continue development of the Homer Tunnel safety and resilience business case.
- Develop a business case for Elles Road Intersection improvements.



# SOUTHLAND

## REGIONAL STATISTICS

Population	97,300
Length of State highway in region (km)	777
% of National SH Network	7%
VkT (total) million	649
VkT (heavies only) million	83
% of National SH VkT %	4%

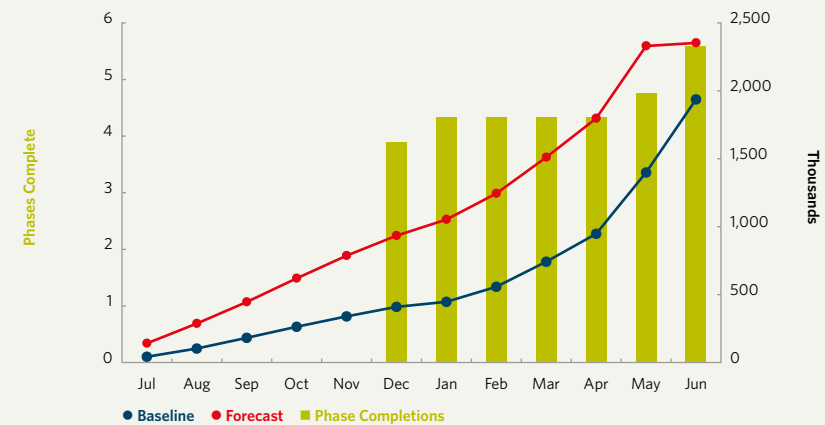
## EXPENDITURE BREAKDOWN (\$000s)

Improvements programme - Total committed and planned	\$5,224.0
Operations and Maintenance programme	\$12,338.0
Renewals Programme	\$2,062.7
Transport Planning Programme	\$0.0

## Large projects



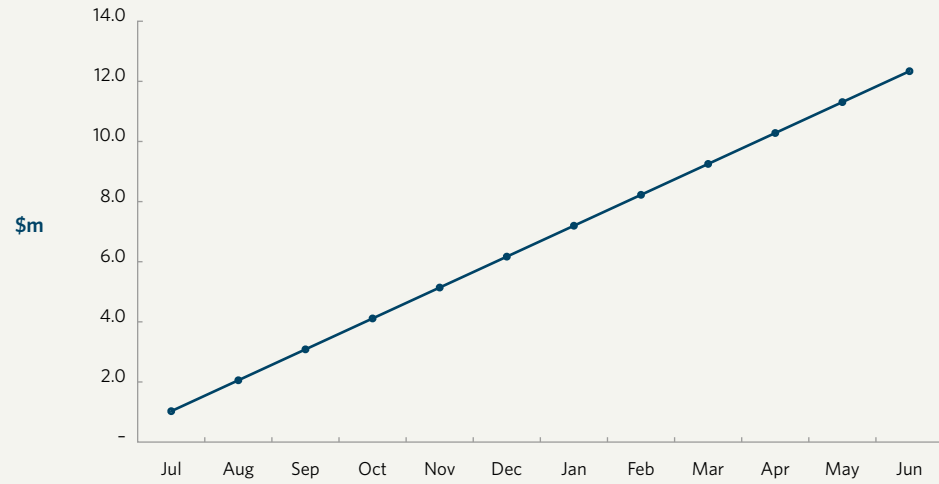
## Small projects



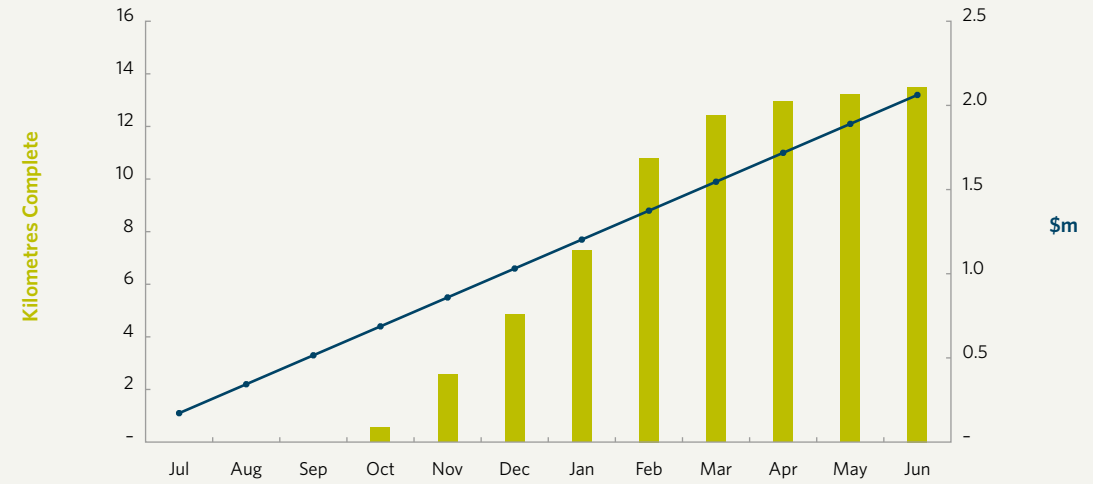


# SOUTHLAND

## Operations & maintenance



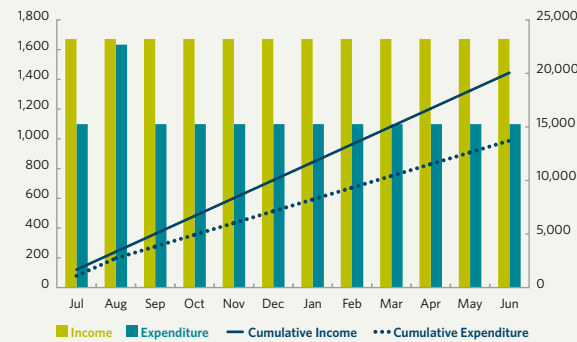
## Renewals



## Property acquisitions

None.

## Property management



## Property disposal

None.

# SOUTHLAND

## TOTAL PROGRAMME 2016/17

IMPROVEMENTS	\$000s
Commitments - Large	\$0.0
Commitments - Small	\$597.4
Planned new starts 2016/17	\$3,441.0
Property acquisition	\$0.0
Minor safety & efficiency improvements	\$1,185.5
<b>Total committed and planned improvements</b>	<b>\$5,224.0</b>
OPERATIONS AND MAINTENANCE	
<b>Total operations and maintenance</b>	<b>\$12,338.0</b>
RENEWALS	
<b>Total renewals</b>	<b>\$2,062.7</b>
TRANSPORT PLANNING	
Programme Business Case	\$0.0
Activity Management Plans	\$0.0
<b>Total transport planning</b>	<b>\$0.0</b>
WALKING AND CYCLING	
<b>Total walking and cycling</b>	<b>\$0.0</b>
EMERGENCY REINSTATEMENT - COMMITMENTS	
<b>Total emergency reinstatement commitments</b>	<b>-\$601.2</b>
REGIONAL TOTAL	<b>\$19,023.5</b>

Regional and NOCs boundaries may not align. NOCs shown in predominant region.

Cashflows for committed projects are as at August 2016. Final financial position will determine funding availability for 2016/17. Level of activity for operations, maintenance & renewals, and potential new starts for 2016/17 will then be released in national priority order to match available funds.

## OPERATIONS, MAINTENANCE AND RENEWALS OF STATE HIGHWAYS

OPERATIONS AND MAINTENANCE WORK CATEGORY 2016/17	SOUTHLAND NOC	SOUTHLAND NON NOC	MILFORD ROAD ALLIANCE
Sealed pavement maintenance	\$1,516.6	\$0.0	\$801.0
Unsealed pavement maintenance	\$0.0	\$0.0	\$0.0
Routine drainage maintenance	\$221.7	\$0.0	\$200.9
Structures maintenance	\$318.4	\$0.0	\$367.5
Environmental maintenance	\$1,022.8	\$175.0	\$804.0
Traffic services maintenance	\$794.3	\$540.0	\$160.0
Operational traffic management	\$25.3	\$140.5	\$722.0
Cycle path maintenance	\$0.0	\$0.0	\$0.0
Level crossing warning devices	\$0.0	\$0.0	\$0.0
Network and asset management	\$1,516.0	\$50.0	\$2,962.0
Property management	\$0.0	\$0.0	\$0.0
<b>Total</b>	<b>\$5,415.1</b>	<b>\$905.5</b>	<b>\$6,017.4</b>
RENEWALS WORK CATEGORY 2016/17			
Sealed road resurfacing	\$1,380.5	\$0.0	\$59.2
Drainage renewals	\$0.0	\$0.0	\$0.0
Pavement rehabilitation	\$293.0	\$0.0	\$0.0
Structures component replacements	\$205.0	\$0.0	\$125.0
Environmental renewals	\$0.0	\$0.0	\$0.0
Traffic services renewals	\$0.0	\$0.0	\$0.0
<b>Total</b>	<b>\$1,878.5</b>	<b>\$0.0</b>	<b>\$184.2</b>

# SOUTHLAND

## IMPROVEMENTS OF STATE HIGHWAYS

COMMITMENTS - SMALL PROJECT PROGRAMME			\$000s		
	Project	Phase	2015/16	2016/17	2017/18
Committed	Edendale Realignment	Detailed business case (I)	\$12.6	\$0.0	\$0.0
Committed	Edendale Realignment	Pre Implementation (D)	\$602.2	\$0.0	\$0.0
Committed	Minor Improvements 2015-18 Southland	Minor Improvements	\$1,185.5	\$0.0	\$0.0
Committed	Invercargill - Moto Rimu Rd Safety Impts	Detailed business case (I)	-\$120.0	\$0.0	\$0.0
Committed	Woodlands Passing Lanes	Construction/Implementation (C)	\$73.9	\$5.0	\$0.0
Committed	Community Advertising 9/15 - Southland	Construction/Implementation (C)	\$28.6	\$0.0	\$0.0
Committed	Southland Stock Effluent Sites	Detailed business case (I)	\$0.0	\$0.0	\$0.0
Committed	Southland Stock Effluent Sites	Construction/Implementation (C)	\$0.0	\$0.0	\$0.0
<b>Sub Total</b>			<b>\$1,783.0</b>	<b>\$5.0</b>	<b>\$0.0</b>
Committed - emergency works	(E) Southland SH94 Red Slip Rockfall	Emergency Works	\$4.1	\$0.0	\$0.0
Committed - emergency works	(E) Homer Tunnel West Portal Rockfall No	Emergency Works	-\$605.3	\$0.0	\$0.0
<b>Sub Total</b>			<b>-\$601.2</b>	<b>\$0.0</b>	<b>\$0.0</b>
<b>Commitments small projects - Grand Total</b>			<b>\$1,181.8</b>	<b>\$5.0</b>	<b>\$0.0</b>

# SOUTHLAND

## PLANNED NEW STARTS 2016/17 - LARGE PROJECT PROGRAMME

Project	Phase	Programme type	2016/17
Edendale Realignment	Construction/Implementation (C)	New Works	\$1,800.0
<b>Total</b>			<b>\$1,800.0</b>

## PLANNED NEW STARTS 2016/17 - SMALL PROJECT PROGRAMME

Project	Phase	Programme type	2016/17
Elles Rd Roundabout	Detailed business case (I)		\$60.0
Milford rockfall/avalanche protection	Detailed business case (I)		\$60.0
Visiting Driver Signature Project Sthlnd	Pre Implementation (D)		\$100.0
Visiting Driver Signature Project Sthlnd	Construction/Implementation (C)		\$1,000.0
SH1: Invercargill to Moto Rimu Rd	Pre Implementation (D)		\$21.0
SH1: Invercargill to Moto Rimu Rd	Construction/Implementation (C)		\$400.0
<b>Planned new starts small projects - Total</b>			<b>\$1,641.0</b>

# NATIONAL OFFICE

## TOTAL PROGRAMME 2016/17

IMPROVEMENTS	\$000s
Commitments - Large	\$0.0
Commitments - Small	\$0.0
Planned new starts 2016/17	\$0.0
Property acquisition	\$140,807.0
Seismic retrofit programme	\$5,000.0
<b>Total committed and planned improvements</b>	<b>\$145,807.0</b>
Potential new starts 2016/17 (subject to funding availability)	\$0.0
OPERATIONS AND MAINTENANCE	
<b>Total operations and maintenance</b>	<b>\$37,062.2</b>
RENEWALS	
<b>Total renewals</b>	<b>\$10,000.0</b>
TRANSPORT PLANNING	
Programme Business Case	\$0.0
Activity Management Plans	\$0.0
<b>Total transport planning</b>	<b>\$0.0</b>
WALKING AND CYCLING - COMMITMENTS	
<b>Total walking and cycling</b>	<b>\$0.0</b>
EMERGENCY REINSTATEMENT - COMMITMENTS	
<b>Total emergency reinstatement commitments</b>	<b>\$0.0</b>
<b>REGIONAL TOTAL</b>	<b>\$192,869.2</b>

## OPERATIONS, MAINTENANCE AND RENEWALS OF STATE HIGHWAYS

OPERATIONS AND MAINTENANCE WORK CATEGORY 2016/17	NATIONAL OFFICE
Sealed pavement maintenance	\$0.0
Unsealed pavement maintenance	\$0.0
Routine drainage maintenance	\$0.0
Structures maintenance	\$0.0
Environmental maintenance	\$0.0
Traffic services maintenance	\$0.0
Operational traffic management	\$510.0
Cycle path maintenance	\$0.0
Level crossing warning devices	\$300.0
Network and asset management	\$36,252.2
Property management	\$0.0
<b>Total</b>	<b>\$37,062.2</b>
RENEWAL WORK CATEGORY 2016/17	
Unsealed Road Metalling	\$0.0
Sealed Road Resurfacing	\$10,000.0
Drainage Renewals	\$0.0
Pavement Rehabilitation	\$0.0
Structures Component Replacements	\$0.0
Environmental Renewals	\$0.0
<b>Traffic Services Renewals</b>	<b>\$0.0</b>
<b>Total</b>	<b>\$10,000.0</b>

# NATIONAL

## TOTAL PROGRAMME 2016/17

IMPROVEMENTS	
Commitments - Large	\$1,307,971.6
Commitments - Small	\$90,234.1
Planned new starts	\$137,216.8
Planned new starts - LED Accelerated Renewals	\$2,000.0
Property acquisition	\$140,807.0
Planned new - Minor safety, efficiency and resilience programme	\$27,692.5
Planned new - Seismic retrofit programme	\$5,000.0
Administration	\$34,925.9
<b>Total committed and planned improvements</b>	<b>\$1,745,846.9</b>
OPERATIONS AND MAINTENANCE	
Operations and maintenance	\$307,839.0
RENEWALS	
Renewals	\$138,795.1
Property management	\$12,853.1
Administration - M&O + Renewals	\$27,908.0
<b>Total maintenance, operation and renewals</b>	<b>\$487,395.1</b>
TRANSPORT PLANNING	
Programme Business Case	\$3,465.0
Activity Management Plans	\$0.0
<b>Total transport planning</b>	<b>\$3,465.0</b>
WALKING AND CYCLING - COMMITMENTS	
New Works	\$9,835.0
Commitments	\$8,284.0
<b>Total walking and cycling</b>	<b>\$18,119.0</b>
EMERGENCY REINSTATEMENT - COMMITMENTS	
<b>Total emergency reinstatement commitments</b>	<b>\$6,452.0</b>
<b>NATIONAL TOTAL</b>	<b>\$2,261,278</b>

## TOTAL STATISTICS

Population	4,595,700
Length of State highway in region (km)	10,897
% of National SH Network	100%
VkT (total) million	20,419
VkT (heavies only) million	2,104
% of National SH VkT %	100%

# NATIONAL

## IMPROVEMENTS OF STATE HIGHWAYS

PLANNED NEW STARTS 2015/16 - SMALL PROJECT PROGRAMME		
Project	Phase	Programme type
Improved Driver Information	Construction	Customer / ITS
Pavement smoothing (& truck ride)	Construction	Customer
Seismic retrofit programme	Construction	Essential Infrastructure Replacement

## TRANSPORT PLANNING

STATE HIGHWAY PROGRAMME BUSINESS CASE		
Project	Phase	Programme type
Auckland Network Operating Plan Implementation	Programme Business Case	Transport Planning
Automated optimisation, compliance and enforcement	Programme Business Case	Transport Planning
Improving cycling for schools adjoining state highways	Programme Business Case	Transport Planning
Integrated Freight Transport Requirements	Programme Business Case	Transport Planning
National LED Lighting for State Highways	Programme Business Case	Transport Planning
National business case for State Highway Operations	Programme Business Case	Transport Planning
National business case for State Highway Optimisation	Programme Business Case	Transport Planning
National business case for speed management implementation	Programme Business Case	Transport Planning
Resilience Auckland	Programme Business Case	Transport Planning
SH1 Ohaeawai to Whangarei (NRR7)	Programme Business Case	Transport Planning
SH1 Whangarei to Brynderwyn (NRR3)	Programme Business Case	Transport Planning
SH12 Dargaville to Tokatoka (NRR29)	Programme Business Case	Transport Planning
Hawera to New Plymouth (NRR55)	Programme Business Case	Transport Planning
SH1-71 Picton to Christchurch (NRR22)	Programme Business Case	Transport Planning
Hawera to New Plymouth (NRR55)	Programme Business Case	Transport Planning
Resilience Wellington	Programme Business Case	Transport Planning
SH2 Corridor Improvements	Programme Business Case	Transport Planning
SH2 Rimutaka Programme	Programme Business Case	Transport Planning

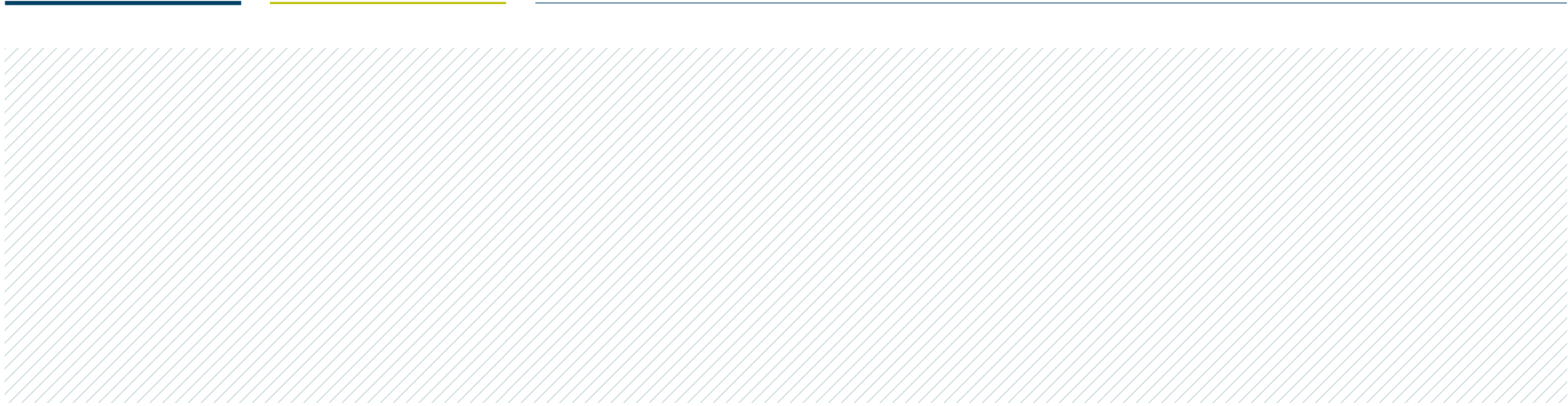
STATE HIGHWAY PROGRAMME BUSINESS CASE		
Project	Phase	Programme type
Wellington Port Access	Programme Business Case	Transport Planning
Wellington Urban Optimisation and Operating Plan	Programme Business Case	Transport Planning
Christchurch Network Operating Plan Implementation/Update	Programme Business Case	Transport Planning
SH1 ChCh to Dunedin Corridor (ChCh Section (NRR21))	Programme Business Case	Transport Planning
SH73/76 West Melton – Tunnel	Programme Business Case	Transport Planning
Sh1 and 71 Picton to Chch (NRR22)	Programme Business Case	Transport Planning
Queenstown Frankton Flats Growth Area	Programme Business Case	Transport Planning
SH1 ChCh to Dunedin Corridor PBC (Otago Section) (NRR43)	Programme Business Case	Transport Planning
SH2 Waihi to Tauranga PBC (NRR5,48)	Programme Business Case	Transport Planning
SH29 Tauranga to Hamilton PBC (BoP Section) (NRR36)	Programme Business Case	Transport Planning
SH30A Urban Revitalisation, RINS	Programme Business Case	Transport Planning
Tauriko Network Plan	Programme Business Case	Transport Planning
Wainui Road to Opotiki (NRR35)	Programme Business Case	Transport Planning
Hamilton Urban Optimisation TPAC	Programme Business Case	Transport Planning
SH1B (Taupiri to Gordonton), NSRRP TPAC	Programme Business Case	Transport Planning
SH2 (Paeroa to Waihi) NSRRP TPAC	Programme Business Case	Transport Planning
SH27 (SH26 to SH24) NSRRP TPAC	Programme Business Case	Transport Planning
SH3 (Ohaupo to Te Kuiti) Improvements TPAC	Programme Business Case	Transport Planning

# RESILIENCE

LOCATION	PROJECT NAME
East Waikato NMA	SH25 Thames-Coromandel
Gisborne NMA	SH35 Waiapu River Sudy
Gisborne NMA	Culvert No. 32
Gisborne NMA	Te Matai Culvert
Gisborne NMA	Pahi Culvert
Hawkes Bay NMA	Ngamahanga Stream Culvert
West Coast NMA	Whanganui River
Auckland North NMA - PSMC 005	SH1N Hoteo River Bridge - PW
Bay of Plenty West NMA - PSMC 4 - BayRo	SH2 Te Rereatakahia Stream Bridge
Bay of Plenty West NMA - PSMC 4 - BayRo	SH2 Wharere Canal Bridge
Bay of Plenty West NMA - PSMC 4 - BayRo	SH2 Tuapiro Stream Bridge
Bay of Plenty West NMA - PSMC 4 - BayRo	Tautau Bridge
Bay of Plenty West NMA - PSMC 4 - BayRo	Ruahihi Bluff
Central Otago NMA	SH85 Manurherikia Bridge Scour
Coastal Otago NMA	SH1S Clutha River Bridge Scour
Coastal Otago NMA	SH1S Waianakarua South Bridge Scour
Coastal Otago NMA	Big Kuri Creek Bridge
East Whanganui NMA	SH1N Ohau River Bridge
Gisborne NMA	SH35 Waimate Bridge (1123)
Gisborne NMA	Waikohu River No. 3 Bridge
Gisborne NMA	Calcotts Bridge
Gisborne NMA	Maraetaha No. 1 Bridge
Gisborne NMA	Tauwhatanui Bridge
Gisborne NMA	Fairlies Bridge
Hawkes Bay NMA	SH2 Karamu Creek Bridge
Hawkes Bay NMA	Quarry Bridge
Nelson NMA	SH63 Culvert Scour
Nelson NMA	Motueka River Bridge
PSMC NMA - PSMC 006	SH3 Mangaorongo Stream Bridge
South Canterbury NMA	SH80 Sawyers Stream
South Canterbury NMA	SH1S Ashburton River Bridge
South Canterbury NMA	SH80 Sawyer's Stream Bridge

LOCATION	PROJECT NAME
South Canterbury NMA	SH1S Pareore River Bridge
Southland NMA	SH1S Matura River Bridge Scour
Southland NMA	Whitestone River Bridge
Southland NMA	Oreti River Bridge
Tauranga NMA	Kopurererua Stream Bridge
West Coast NMA	SH73 Kelly's Creek Bridge
West Coast NMA	Taipu River Bridge
West Waikato NMA - PSMC 007	SH1 Narrows Bridge
West Whanganui NMA	SH4 Ongarue River Bridge Left Half
West Whanganui NMA	SH45 Stoney River Bridge (Hangatahua)
West Whanganui NMA	Mangawhero River (Aberfeldie) Bridge
Bay of Plenty East NMA	SH2 Waioeka Gorge Site 1 Scaling
Bay of Plenty East NMA	BOPE Waioeka River Washout
Bay of Plenty East NMA	BOPE Opato Stm Prev Maint
Nelson NMA	Preventive Works SH60 RS42/6.216
North Canterbury NMA	SH73 Paddy's Bend A Do-minimum Option
North Canterbury NMA	SH73 Waimak Bluffs D Do-minimum Option
Northland NMA	SH1N Makene Shoulder Slump Opus PS
PSMC NMA - PSMC 006	Mangaotaki Gorge South
Central Otago NMA	Nevis Bluff 2013 Rock Stabilisation Prev
Central Otago NMA	Nevis Bluff 2013 Rock Stabilisation Prev
PSMC NMA - PSMC 006	SH3 103/8.9 Mangaotaki Rockfall site
Southland NMA	SH94 Milford Rd Pinnacle Rock Removal
Southland NMA	SH94 Milford Road Pinnacle Prof Service
West Coast NMA	Rockfall Hazards
West Coast NMA	Rockfall Hazard SH73 Below Starvation Po
West Coast NMA	Meybille Bay Rockfall
Auckland North NMA - PSMC 005	SH1N Hoteo River Bridge - Opus I & R
Bay of Plenty East NMA	SH35 Torere Tributary Bridge
Central Waikato NMA	Desert Road
West Whanganui NMA	SH4 Hirotis Bluff Scaling
Milford	Homer Tunnel





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If you have further queries, call our contact centre on 0800 699 000 or write to us:

NZ Transport Agency  
Private Bag 6995  
Wellington 6141



New Zealand Government