

Asset Management Plan

Roads



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The Institute of Public Works Engineering Australia.

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ABBREVIATIONS

AAAC	Average annual asset consumption
AMP	Asset management plan
ARI	Average recurrence interval
BOD	Biochemical (biological) oxygen demand
CRC	Current replacement cost
CWMS	Community wastewater management systems
DA	Depreciable amount
DoH	Department of Health
EF	Earthworks/formation
IRMP	Infrastructure risk management plan
LCC	Life Cycle cost
LCE	Life cycle expenditure
MMS	Maintenance management system
PCI	Pavement condition index
RV	Residual value
SS	Suspended solids
vph	Vehicles per hour

GLOSSARY

Annual service cost (ASC)

An estimate of the cost that would be tendered, per annum, if tenders were called for the supply of a service to a performance specification for a fixed term. The Annual Service Cost includes operating, maintenance, depreciation, finance/ opportunity and disposal costs, less revenue.

Asset class

Grouping of assets of a similar nature and use in an entity's operations (AASB 166.37).

Asset condition assessment

The process of continuous or periodic inspection, assessment, measurement and interpretation of the resultant data to indicate the condition of a specific asset so as to determine the need for some preventative or remedial action.

Asset management

The combination of management, financial, economic, engineering and other practices applied to physical assets with the objective of providing the required level of service in the most cost effective manner.

Assets

Future economic benefits controlled by the entity as a result of past transactions or other past events (AAS27.12).

Property, plant and equipment including infrastructure and other assets (such as furniture and fittings) with benefits expected to last more than 12 month.

Average annual asset consumption (AAAC)*

The amount of a local government's asset base consumed during a year. This may be calculated by dividing the Depreciable Amount (DA) by the Useful Life and totalled for each and every asset OR by dividing the Fair Value (Depreciated Replacement Cost) by the Remaining Life and totalled for each and every asset in an asset category or class.

Brownfield asset values**

Asset (re)valuation values based on the cost to replace the asset including demolition and restoration costs.

Capital expansion expenditure

Expenditure that extends an existing asset, at the same standard as is currently enjoyed by residents, to a new group of users. It is discretionary expenditure, which increases future operating, and maintenance costs, because it increases council's asset base, but may be associated with additional revenue from the new user group, e.g. extending a drainage or road network, the provision of an oval or park in a new suburb for new residents.

Capital expenditure

Relatively large (material) expenditure, which has benefits, expected to last for more than 12 months. Capital expenditure includes renewal, expansion and upgrade. Where capital projects involve a combination of renewal, expansion and/or upgrade expenditures, the total project cost needs to be allocated accordingly.

Capital funding

Funding to pay for capital expenditure.

Capital grants

Monies received generally tied to the specific projects for which they are granted, which are often upgrade and/or expansion or new investment proposals.

Capital investment expenditure

See capital expenditure definition

Capital new expenditure

Expenditure which creates a new asset providing a new service to the community that did not exist beforehand. As it increases service potential it may impact revenue and will increase future operating and maintenance expenditure.

Capital renewal expenditure

Expenditure on an existing asset, which returns the service potential or the life of the asset up to that which it had originally. It is periodically required expenditure, relatively large (material) in value compared with the value of the components or sub-components of the asset being renewed. As it reinstates existing service potential, it has no impact on revenue, but may reduce future operating and maintenance expenditure if completed at the optimum time, e.g. resurfacing or resheeting a material part of a road network, replacing a material section of a drainage network with pipes of the same capacity, resurfacing an oval. Where capital projects involve a combination of renewal, expansion and/or upgrade expenditures, the total project cost needs to be allocated accordingly.

Capital upgrade expenditure

Expenditure, which enhances an existing asset to provide a higher level of service or expenditure that will increase the life of the asset beyond that which it had originally. Upgrade expenditure is discretionary and often does not result in additional revenue unless direct user charges apply. It will increase operating and maintenance expenditure in the future because of the increase in the council's asset base, e.g. widening the sealed area of an existing road, replacing drainage pipes with pipes of a greater capacity, enlarging a grandstand at a sporting facility. Where capital projects involve a combination of renewal, expansion and/or upgrade

expenditures, the total project cost needs to be allocated accordingly.

Carrying amount

The amount at which an asset is recognised after deducting any accumulated depreciation / amortisation and accumulated impairment losses thereon.

Class of assets

See asset class definition

Component

An individual part of an asset which contributes to the composition of the whole and can be separated from or attached to an asset or a system.

Cost of an asset

The amount of cash or cash equivalents paid or the fair value of the consideration given to acquire an asset at the time of its acquisition or construction, plus any costs necessary to place the asset into service. This includes one-off design and project management costs.

Current replacement cost (CRC)

The cost the entity would incur to acquire the asset on the reporting date. The cost is measured by reference to the lowest cost at which the gross future economic benefits could be obtained in the normal course of business or the minimum it would cost, to replace the existing asset with a technologically modern equivalent new asset (not a second hand one) with the same economic benefits (gross service potential) allowing for any differences in the quantity and quality of output and in operating costs.

Current replacement cost "As New" (CRC)

The current cost of replacing the original service potential of an existing asset, with a similar modern equivalent asset, i.e. the total cost of replacing an existing asset with an as NEW or similar asset expressed in current dollar values.

Cyclic Maintenance**

Replacement of higher value components/sub-components of assets that is undertaken on a regular cycle including repainting, building roof replacement, cycle, replacement of air conditioning equipment, etc. This work generally falls below the capital/ maintenance threshold and needs to be identified in a specific maintenance budget allocation.

Depreciable amount

The cost of an asset, or other amount substituted for its cost, less its residual value (AASB 116.6)

Depreciated replacement cost (DRC)

The current replacement cost (CRC) of an asset less, where applicable, accumulated depreciation calculated on the basis of such cost to reflect the already consumed or expired future economic benefits of the asset

Depreciation / amortisation

The systematic allocation of the depreciable amount (service potential) of an asset over its useful life.

Economic life

See useful life definition.

Expenditure

The spending of money on goods and services. Expenditure includes recurrent and capital.

Fair value

The amount for which an asset could be exchanged, or a liability settled, between knowledgeable, willing parties, in an arms length transaction.

Greenfield asset values **

Asset (re)valuation values based on the cost to initially acquire the asset.

Heritage asset

An asset with historic, artistic, scientific, technological, geographical or environmental qualities that is held and maintained principally for its contribution to knowledge and culture and this purpose is central to the objectives of the entity holding it.

Impairment Loss

The amount by which the carrying amount of an asset exceeds its recoverable amount.

Infrastructure assets

Physical assets of the entity or of another entity that contribute to meeting the public's need for access to major economic and social facilities and services, e.g. roads, drainage, footpaths and cycleways. These are typically large, interconnected networks or portfolios of composite assets. The components of these assets may be separately maintained, renewed or replaced individually so that the required level and standard of service from the network of assets is continuously sustained. Generally the components and hence the assets have long lives. They are fixed in place and are often have no market value.

Investment property

Property held to earn rentals or for capital appreciation or both, rather than for:

- (a) use in the production or supply of goods or services or for administrative purposes; or
- (b) sale in the ordinary course of business (AASB 140.5)

Level of service

The defined service quality for a particular service against which service performance may be measured. Service levels usually relate to quality, quantity, reliability, responsiveness, environmental, acceptability and cost).

Life Cycle Cost **

The life cycle cost (LCC) is average cost to provide the service over the longest asset life cycle. It comprises annual maintenance and asset consumption expense, represented by depreciation expense. The Life Cycle Cost does not indicate the funds required to provide the service in a particular year.

Life Cycle Expenditure **

The Life Cycle Expenditure (LCE) is the actual or planned annual maintenance and capital renewal expenditure incurred in providing the service in a particular year. Life Cycle Expenditure may be compared to Life Cycle Cost to give an initial indicator of life cycle sustainability.

Loans / borrowings

Loans result in funds being received which are then repaid over a period of time with interest (an additional cost). Their primary benefit is in 'spreading the burden' of capital expenditure over time. Although loans enable works to be completed sooner, they are only ultimately cost effective where the capital works funded (generally renewals) result in operating and maintenance cost savings, which are greater than the cost of the loan (interest and charges).

Maintenance and renewal gap

Difference between estimated budgets and projected expenditures for maintenance and renewal of assets, totalled over a defined time (e.g. 5, 10 and 15 years).

Maintenance and renewal sustainability index

Ratio of estimated budget to projected expenditure for maintenance and renewal of assets over a defined time (e.g. 5, 10 and 15 years).

Maintenance expenditure

Recurrent expenditure, which is periodically or regularly required as part of the anticipated schedule of works required to ensure that the asset achieves its useful life and provides the required level of service. It is expenditure, which was anticipated in determining the asset's useful life.

Materiality

An item is material if its omission or misstatement could influence the economic decisions of users taken on the basis of the financial report. Materiality depends on the size and nature of the omission or misstatement judged in the surrounding circumstances.

Modern equivalent asset.

A structure similar to an existing structure and having the equivalent productive capacity, which could be built using modern materials, techniques and design. Replacement cost is the basis used to estimate the cost of constructing a modern equivalent asset.

Non-revenue generating investments

Investments for the provision of goods and services to sustain or improve services to the community that are not expected to generate any savings or revenue to the Council, e.g. parks and playgrounds, footpaths, roads and bridges, libraries, etc.

Operating expenditure

Recurrent expenditure, which is continuously required excluding maintenance and depreciation, e.g. power, fuel, staff, plant equipment, on-costs and overheads.

Pavement management system

A systematic process for measuring and predicting the condition of road pavements and wearing surfaces over time and recommending corrective actions.

Planned Maintenance**

Repair work that is identified and managed through a maintenance management system (MMS). MMS activities include inspection, assessing the condition against failure/breakdown criteria/experience, prioritising scheduling, actioning the work and reporting what was done to develop a maintenance history and improve maintenance and service delivery performance.

PMS Score

A measure of condition of a road segment determined from a Pavement Management System.

Rate of annual asset consumption*

A measure of average annual consumption of assets (AAAC) expressed as a percentage of the depreciable amount (AAAC/DA). Depreciation may be used for AAAC.

Rate of annual asset renewal*

A measure of the rate at which assets are being renewed per annum expressed as a percentage of depreciable amount (capital renewal expenditure/DA).

Rate of annual asset upgrade*

A measure of the rate at which assets are being upgraded and expanded per annum expressed as a percentage of depreciable amount (capital upgrade/expansion expenditure/DA).

Reactive maintenance

Unplanned repair work that carried out in response to service requests and management/supervisory directions.

Recoverable amount

The higher of an asset's fair value, less costs to sell and its value in use.

Recurrent expenditure

Relatively small (immaterial) expenditure or that which has benefits expected to last less than 12 months. Recurrent expenditure includes operating and maintenance expenditure.

Recurrent funding

Funding to pay for recurrent expenditure.

Rehabilitation

See capital renewal expenditure definition above.

Remaining life

The time remaining until an asset ceases to provide the required service level or economic usefulness. Age plus remaining life is economic life.

Renewal

See capital renewal expenditure definition above.

Residual value

The net amount which an entity expects to obtain for an asset at the end of its useful life after deducting the expected costs of disposal.

Revenue generating investments

Investments for the provision of goods and services to sustain or improve services to the community that are expected to generate some savings or revenue to offset operating costs, e.g. public halls and theatres, childcare centres, sporting and recreation facilities, tourist information centres, etc.

Risk management

The application of a formal process to the range of possible values relating to key factors associated with a risk in order to determine the resultant ranges of outcomes and their probability of occurrence.

Section or segment

A self-contained part or piece of an infrastructure asset.

Service potential

The capacity to provide goods and services in accordance with the entity's objectives, whether those objectives are the generation of net cash inflows or the provision of goods and services of a particular volume and quantity to the beneficiaries thereof.

Service potential remaining*

A measure of the remaining life of assets expressed as a percentage of economic life. It is also a measure of the percentage of the asset's potential to provide services that is still available for use in providing services (DRC/DA).

Strategic Management Plan (SA)**

Documents Council objectives for a specified period (3-5 yrs), the principle activities to achieve the objectives, the means by which that will be carried out, estimated income and expenditure, measures to assess performance and how rating policy relates to the Council's objectives and activities.

Sub-component

Smaller individual parts that make up a component part.

Useful life

Either:

- (a) the period over which an asset is expected to be available for use by an entity, or
- (b) the number of production or similar units expected to be obtained from the asset by the entity.

It is estimated or expected time between placing the asset into service and removing it from service, or the estimated period of time over which the future economic benefits embodied in a depreciable asset, are expected to be consumed by the council. It is the same as the economic life.

Value in Use

The present value of estimated future cash flows expected to arise from the continuing use of an asset and from its disposal at the end of its useful life. It is deemed to be depreciated replacement cost (DRC) for those assets whose future economic benefits are not primarily dependent on the asset's ability to generate new cash flows, where if deprived of the asset its future economic benefits would be replaced.

Source: DVC 2006, Glossary

Note: Items shown * modified to use DA instead of CRC
Additional glossary items shown **

1. EXECUTIVE SUMMARY

What Council Provides

Randwick City Council has a significant portfolio of road assets under its care and control including 26.4 kilometres of Regional road and 271.1 kilometres of Local road.

The Aim of the Randwick City Council Road Asset Management Plan is to provide a framework to detail and examine existing management practices of road pavement infrastructure, and form the basis of an improvement program to progressively meet identified deficiencies.

What does it Cost?

There are two key indicators of cost to provide the Road asset infrastructure service.

- The life cycle cost being the average cost over the life cycle of the asset, and
- The total maintenance and capital renewal expenditure required to deliver existing service levels in the next 10 years covered by Council's long term financial plan.

The life cycle cost to provide the Road asset infrastructure service is estimated at \$5,649,856 per annum. Council's planned life cycle expenditure for year 1 of the asset management plan is \$5,208,520 which gives a life cycle sustainability index of 1.18.

The total maintenance and capital renewal expenditure required to provide the Road asset infrastructure service the in the next 10 years is estimated at \$58,180,800. This is an average of \$5,818,080 per annum.

Council's maintenance and capital renewal expenditure for year 1 of the asset management plan of \$5,664,480 giving a 10 year sustainability index of 1.10.

Plans for the Future

Council plans to operate and maintain the road asset infrastructure network to achieve the following strategic objectives.

1. Ensure the road asset infrastructure network is maintained at a safe and functional standard as set out in this asset management plan.
2. Manage the civil public infrastructure in a sustainable manner;
3. Develop and maintain an integrated asset management system
4. Minimise adverse impact from asset users, such as developers and utilities on the infrastructure assets;
5. Maintain roads to an agreed serviceability standard.

Measuring our Performance

Quality

Road infrastructure assets will be maintained in a reasonably usable condition. Defects found or reported that are outside our service standard will be repaired. See our maintenance response service levels for details of defect prioritisation and response time.

Function

Our intent is that an appropriate road asset infrastructure network is maintained in partnership with other levels of government and stakeholders to maintain Council's network at a safe and serviceable level for the community.

Road infrastructure asset attributes will be maintained at a safe level and associated signage and equipment be provided as needed to ensure public safety.

Safety

We inspect all road infrastructure assets regularly and prioritise and repair defects in accordance with our inspection schedule to ensure they are safe.

The Next Steps

This actions resulting from this asset management plan are:

- Develop performance measures and targets for road asset service criteria, considering community/customer expectations; strategic goals; legislative requirements, and Council's resource ability to meet measures and targets.
- Review and improve maintenance practices, considering service agreements for maintenance activities, and procedures to reduce the potential liability exposures associated with the maintenance of roads.
- Review and improve the system to monitor and control the standard of work of private/utility contractors associated with road opening restorations.
- Review and improve the system to monitor and control damage to public assets from development works.
- Guidelines detailing issues for consideration in assessing the need for a section of public road; and closure and sale procedures for road asset disposal, be reviewed.
- Review opportunities for improvement of accounting and pavement management system integration for calculation of asset valuation.
- Review elements of the pavement management system and ensure that sufficient funds are provided to undertake condition testing of 20% of the road network annually.

2. INTRODUCTION

2.1 Background

The road network within the Randwick local government area is divided into three administrative classifications – State Roads, Regional Roads and Local Roads.

State roads are fully funded and maintained by the NSW Department of Roads and Maritime Services; Regional roads are funded and maintained by Council with the Department of Roads and Maritime Services assistance and Local roads are funded and maintained by Council. Private roads under the ownership and control of The Department of Housing, Sydney Ports Authority or other body are not public assets for the purpose of this plan.

The management of Council's road assets requires the coordination of Council's technical and operational resources.

Council's design and asset management teams administer the asset management systems, determine strategic outcomes, develop operational works programs and produce designs, specifications and standards.

Council's operational teams undertake maintenance activities, some augmentation work and co-ordinate external Contractors to undertake renewal, replacement and other augmentation works.

The aim of the Randwick City Council Road Asset Management Plan is to provide a framework for the sustainable management of road surface and pavement assets in line with community expectations and Council's Integrated Planning Framework.

The asset management plan is to be read with the following associated planning documents:

- The Randwick City Plan
- Management Plan (4 –year Delivery Plan and Operational Plan)
- Asset Management Policy
- Asset Management Strategy
- Long Term Financial Plan
- Workforce Strategy
- Randwick City Council Community Consultation Principles and Consultation Planning Guide

This asset management plan covers the following infrastructure assets:

Table 2.1. Assets covered by this Plan

Asset category	Dimension	Replacement Value (\$M)
Road Surface	2802.6 km ²	\$69.49
Road Pavement	2802.6 km ²	\$372.03
TOTAL		\$441.52

Key stakeholders in the preparation and implementation of this asset management plan are:

Council Officers	Council officers play a major role in managing road assets to ensure that they provide a level of service that meets the needs of both residents and visitors to the area. Council officers implement the components identified in the roads asset management plan.
Council Representatives	This stakeholder group includes Councillors and the Mayor for the Council. They are primarily responsible to ensure that their decisions represent and reflect the needs of the wider community.
Residents	Residents are the core users of road assets. Their needs, wants and expectations are conveyed to Council, which should be reflected in the desired levels of service.
Visitors	Visitors are the second largest users of road assets, due to their likely frequency of use. Visitor's wants, needs and expectations drive the development in areas of the highest tourism usage and also commercial areas.
Insurers	Insurers have an interest to drive the implementation of systems, which allows Council to be in a better position to gain a better knowledge in the condition of our assets. This should be reflected in the number of claims made against each asset group.

2.2 Goals and Objectives of Asset Management

The provision of services by Council includes the provision of infrastructure assets. Council has acquired infrastructure assets by means which include 'purchase', by contract, construction by Council and by donation of assets constructed by developers and others to meet increased levels of service.

Council's goal in managing infrastructure assets is to meet the required level of service in the most cost effective manner for present and future consumers. The key elements of infrastructure asset management are:

- Taking a life cycle approach,
- Developing cost-effective management strategies for the long term,
- Providing a defined level of service and monitoring performance,
- Understanding and meeting the demands of growth through demand management and infrastructure investment,
- Managing risks associated with asset failures,
- Sustainable use of physical resources,
- Continuous improvement in asset management practices.¹

This asset management plan is prepared under the direction of Council's vision, mission, goals and objectives.

Council's vision is:

'A sense of community'

Council's mission is:

'Working together to enhance our environment, celebrate our heritage and to value and serve our diverse community'

¹ IIMM 2006 Sec 1.1.3, p 1.3

Relevant Council goals and objectives and how these are addressed in this asset management plan are:

Table 2.2. Council Goals and how these are addressed in this Plan

Goal	Objective	How Goal and Objectives are addressed in IAMP
Council has a long term vision based on sustainability	Ensure financial strategies underpin Council's asset management policies and strategic vision	Prepare and review the Council's short and medium term financial plans for Risk Management, Domestic Waste Management, Plant & Equipment, Information Technology, S94 Plan, Asset Management Plans and cash reserves
Council is a leader in the delivery of social, financial, environmental, and operational activities	Ensure good governance and administrative support for the Council and organisation	Prepare and review the Council's short and medium term financial plans for Risk Management, Domestic Waste Management, Plant & Equipment, Information Technology, S94 Plan, Asset Management Plans and cash reserves
Our public assets are planned, managed and funded to meet the community expectations and defined levels of service	Conduct programmed asset maintenance management in accordance with adopted service levels	Maintain Road Reserves (road pavements, footpaths, kerbs and gutters, drainage)
	Continue to implement Strategic Asset Management plans to deliver intergenerational equity and meet the Council's obligations as the custodian of our community's assets.	Implement SAM to ensure the City's assets are managed and maintained to target service levels
		Implement the road rehabilitation program.
The safety of our community is paramount and is acknowledged and supported through proactive policies, programs and strategies	Conduct minor reactive maintenance management in accordance with adopted service levels.	Respond in a timely manner to community requests for repairs to road reserves, open space and Council owned buildings.

2.3 Plan Framework

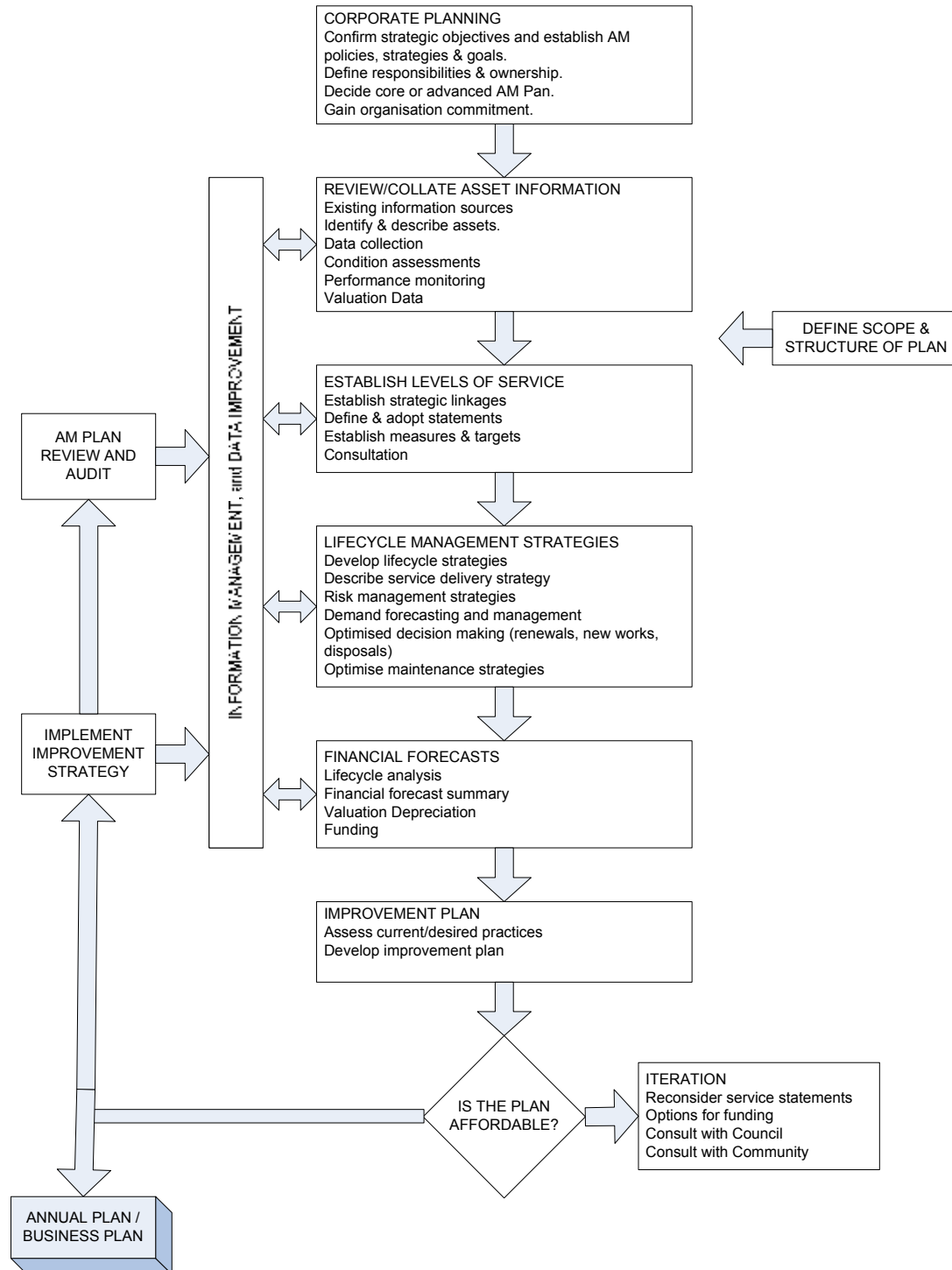
Key elements of the plan are

- Levels of service – specifies the services and levels of service to be provided by council.
- Future demand – how this will impact on future service delivery and how this is to be met.
- Life cycle management – how Council will manage its existing and future assets to provide the required services
- Financial summary – what funds are required to provide the required services.
- Asset management practices
- Monitoring – how the plan will be monitored to ensure it is meeting Council's objectives.
- Asset management improvement plan

A road map for preparing an asset management plan is shown below.

Road Map for preparing an Asset Management Plan

Source: IIMM Fig 1.5.1, p 1.11



2.4 Core and Advanced Asset Management

This asset management plan is prepared as a 'core' asset management plan in accordance with the International Infrastructure Management Manual. It is prepared to meet minimum legislative and organisational requirements for sustainable service delivery and long term financial planning and reporting. Core asset management is a 'top down' approach where analysis is applied at the 'system' or 'network' level.

Future revisions of this asset management plan will move towards 'advanced' asset management using a 'bottom up' approach for gathering asset information for individual assets to support the optimisation of activities and programs to meet agreed service levels.

3. LEVELS OF SERVICE

3.1 Customer Research and Expectations

In 2012 Council commissioned a community satisfaction survey conducted by Micromex Research. The survey was administered by a computer aided telephone system to a sample of 1000 residents. The most recent customer satisfaction survey reported satisfaction levels for the following services;

Table 3.1. Community Satisfaction Survey Levels

Performance Measure	Satisfaction Level				
	Very Satisfied	Satisfied	Somewhat satisfied	Not Very satisfied	Not satisfied at all
Overall satisfaction with Council's performance		√			
Maintaining Local Roads			√		
Street Cleaning			√		
Council's response time to requests for service			√		
Constructing cycle ways			√		

Council uses this information in developing the Strategic Management Plan and in allocation of resources in the budget.

3.2 Legislative Requirements

Council has to meet many legislative requirements including Australian and State legislation and State regulations. These include:

Table 3.2. Legislative Requirements

Legislation	Requirement
Local Government Act	Sets out role, purpose, responsibilities and powers of local governments including the preparation of a long term financial plan supported by asset management plans for sustainable service delivery.
Workplace Health and Safety Act 2011	<i>"Protecting workers and other persons against harm to their health, safety and welfare through the elimination or minimisation of risks arising from work..."</i>
Australian Accounting Standard AASB116	Reporting on asset condition and consumption to Councillors, management and the community.
Civil Liability Act 2002 and Civil Liability Amendment (Personal Responsibility) Act 2002	Protects the Council from civil action by requiring the courts to take into account the financial resources, the general responsibilities of the authority and the compliance with general practices and applicable standards.
Roads Act 1997	To provide public access to roads, to classify roads, to act as the local road authority, to carry out certain functions e.g. road works and to regulate activities on public roads.
Native Vegetation Act	To manage native vegetation, to prevent broad scale clearing, to protect native vegetation, to improve native vegetation and to encourage revegetation of land.
AS 1742 - Manual of uniform traffic control devices	The AS 1742 Set provides you with essential Australian Standards® you need to help regulate, guide and warn drivers about road conditions.
Australian Road Rules	To ensure compliance and uniformity with road rules in the State and elsewhere in Australia

3.3 Current Levels of Service

Council has defined service levels in two terms.

Community Levels of Service relate to how the community receives the service in terms of safety, quality, quantity, reliability, responsiveness, cost/efficiency and legislative compliance.

Supporting the community service levels are operational or technical measures of performance developed to ensure that the minimum community levels of service are met. These technical measures relate to service criteria such as:

Service Criteria

Quality
Quantity
Availability
Safety

Technical measures may relate to

Smoothness of roads
Area of parks per resident
Distance from a dwelling to a sealed road
Number of injury accidents

Council's current service levels are detailed in Table 3.3.

Table 3.3. Current Service Levels

Key Performance Measure	Level of Service	Performance Measure Process	Performance Target	Current Performance
COMMUNITY LEVELS OF SERVICE				
Quality	Provide smooth ride	Respond to CRM's within SLA timeframe	Respond to potholes and patching requests within 3 working days	65% CRM's resolved within SLA timeframe for potholes
			Respond to deep lift or road pavement requests within 5 working days	73% CRM's resolved within SLA timeframe for road pavement and deep lifts
Function	Ensure that Council roads meets user requirements for travel time and availability	Customer satisfaction rating	Continued improvement in customer satisfaction.	30% customer satisfaction survey in 2012, up from 28% in 2010
Safety	Provide roads free from hazards	Reduce insurance claims due to road hazards	0 claims in 2012-2013.	17 claims in 2011-2012
TECHNICAL LEVELS OF SERVICE				
Safety	Provide signs and line marking as per standards.	Respond to CRM's within SLA timeframe	Respond to signs and lines requests within 50 working days	95% CRM's resolved within SLA timeframe for potholes
Condition	Identify condition of assets	Routinely inspect road Network	Inspect 20% of network annually	100% network inspected between 2008-2012
	Good quality roads	Average Condition	Average condition 2	Current average condition of 5
Quality	Ensure road construction meets council standards.	Inspect all works post construction	Roadwork's Final Inspection Checklist completed for 100% of capital works program.	2011-2012 Roads program 100% inspected but not documented

3.4 Desired Levels of Service

At present, indications of desired levels of service are obtained from various sources including the 2012 Customer Satisfaction survey, residents' feedback to Councillors and staff, service requests and correspondence. Council has yet to quantify desired levels of service. This will be done in future revisions of this asset management plan.

4. FUTURE DEMAND

4.1 Demand Forecast

Factors affecting demand include population change, changes in demographics, seasonal factors, vehicle ownership, consumer preferences and expectations, economic factors, agricultural practices,

Demand factor trends and impacts on service delivery are summarised in Table 4.1.

Table 4.1. Demand Factors, Projections and Impact on Services

Demand factor	Present position	Projection	Impact on services
Population	128, 989 (As at 21 June 2012, ABS estimated resident population)	Randwick City Council's population has experienced 7.6% growth since last 2006 census.	An increase in population will require an increase in community and infrastructure services.
Demographics	<p>In the ABS 2006 census, Sydney's average compared with Randwick City Council had:</p> <ul style="list-style-type: none"> • A higher proportion of young adults, • A smaller percentage of young children, • A high percentage of renters • A high percentage of people aged 15-24. <p>The area also has an ageing population consistent with nationwide trends.</p> <p>Randwick is a multicultural area with a significant number of non-English speaking communities.</p>	<p>Number of people per household is expected to decline.</p> <p>Percentage of people aged 65 is expected to increase.</p> <p>Number of people below the age of 15 is expected to remain the same.</p>	<p>Greater need for aged care facilities and disability access. Increase in population will require improvements to public transport infrastructure.</p>

4.2 Changes in Technology

Technology changes are forecast to affect the delivery of services covered by this plan in the following areas.

Table 4.2. Changes in Technology and Forecast effect on Service Delivery

Technology Change	Effect on Service Delivery
Updated Plant & Equipment	Improved service delivery within a more efficient time frame
Product Improvements	Better bitumen's, stabilising products providing an improved finish on works undertaken, with less likelihood of failure. Improvements to pavement rejuvenation products that could extend the life of road pavements.
Further development of Geographic Information System (GIS)	Improve the management of road infrastructure, particularly the co-ordination of maintenance activities, through enhanced data collection, analysis and dissemination systems.
Improved community access to Council through technology	Information technology developments including websites, social media and the like improve the communities' access to Council. This is anticipated as Making it easier for the community to communicate expectations with regards to delivery of services.
Improved technology for recording and assessing assets.	Data integrity and ability to link data to GIS for improved visualisation and modelling

4.3 Demand Management Plan

Demand for new services will be managed through a combination of managing existing assets, upgrading of existing assets and providing new assets to meet demand and demand management. Demand management practices include non-asset solutions, insuring against risks and managing failures.

Opportunities identified to date for demand management are shown in Table 4.3. Further opportunities will be developed in future revisions of this asset management plan.

Table 4.3. Demand Management Plan Summary

Service Activity	Demand Management Plan
Operation	Modification of access to asset, for example in local area traffic management schemes
Regulation	Restriction on time or type of use of asset e.g. heavy vehicles, speed
Incentives	Influence use of asset e.g. public transport subsidies, parking levies
Education	Change habits or promote alternatives
Demand Substitution	Provision of alternatives e.g. alternate transport modes, work from home

4.4 New Assets from Growth

The new assets required to meet growth will be acquired from land developments and constructed by Council. The new roads are listed in table 4.4 below

Development / Council	Location	Dimensions
Development	1406-1408 Anzac Parade – Subdivision of land	Pavement Length – 2.5km Pavement Area 16500m ²
Development	Endeavour House, 88-102 Moverly Road, South Coogee – Subdivision of land.	Pavement Length – 1.5km Pavement Area 13500m ²

Acquiring these new assets will commit council to fund ongoing operations and maintenance costs for the period that the service provided from the assets is required. These future costs are identified and considered in developing forecasts of future operating and maintenance costs.

5. LIFECYCLE MANAGEMENT PLAN

The lifecycle management plan details how Council plans to manage and operate the assets at the agreed levels of service (defined in section 3) while optimising life cycle costs.

5.1 Background Data

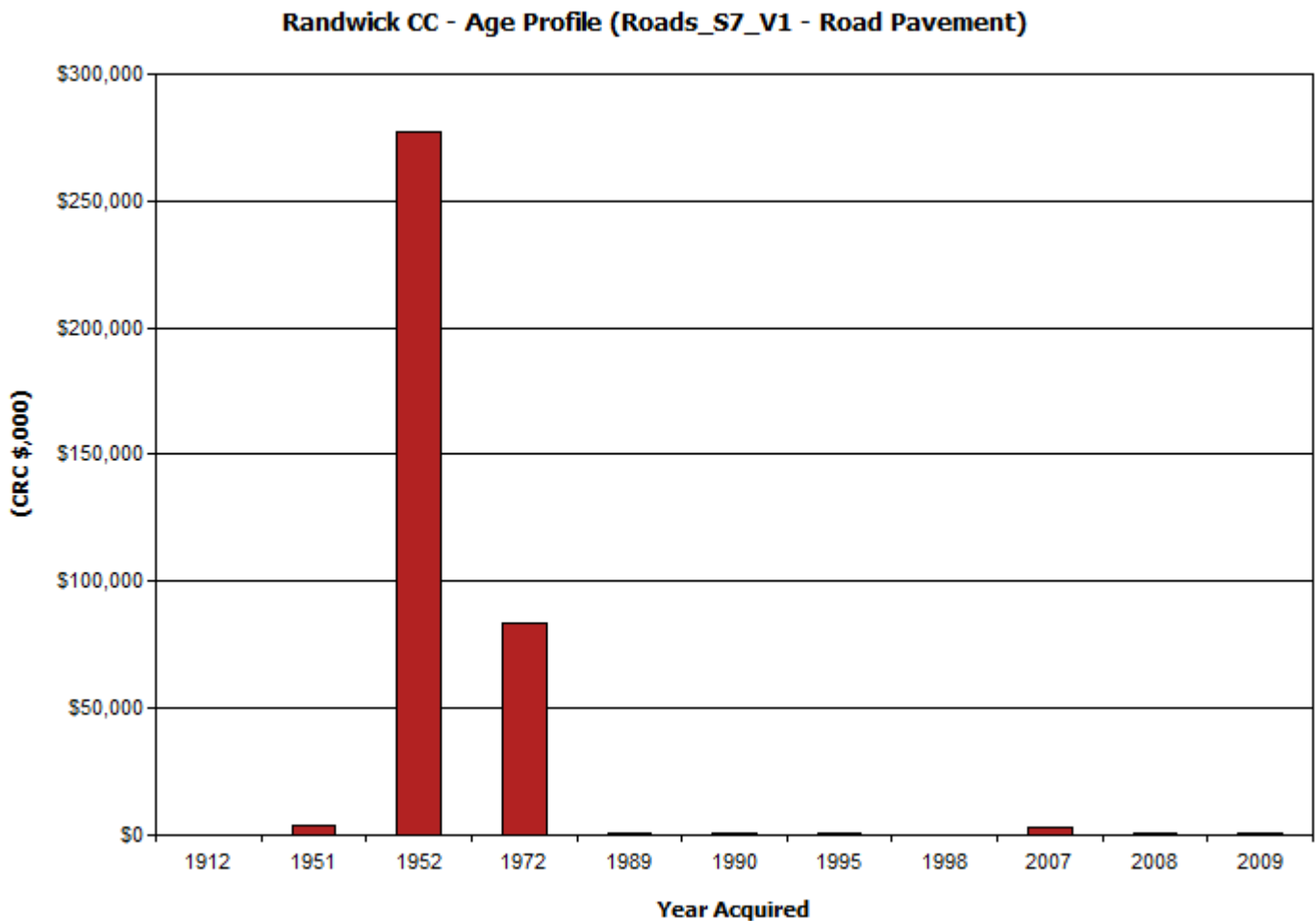
5.1.1 Physical parameters

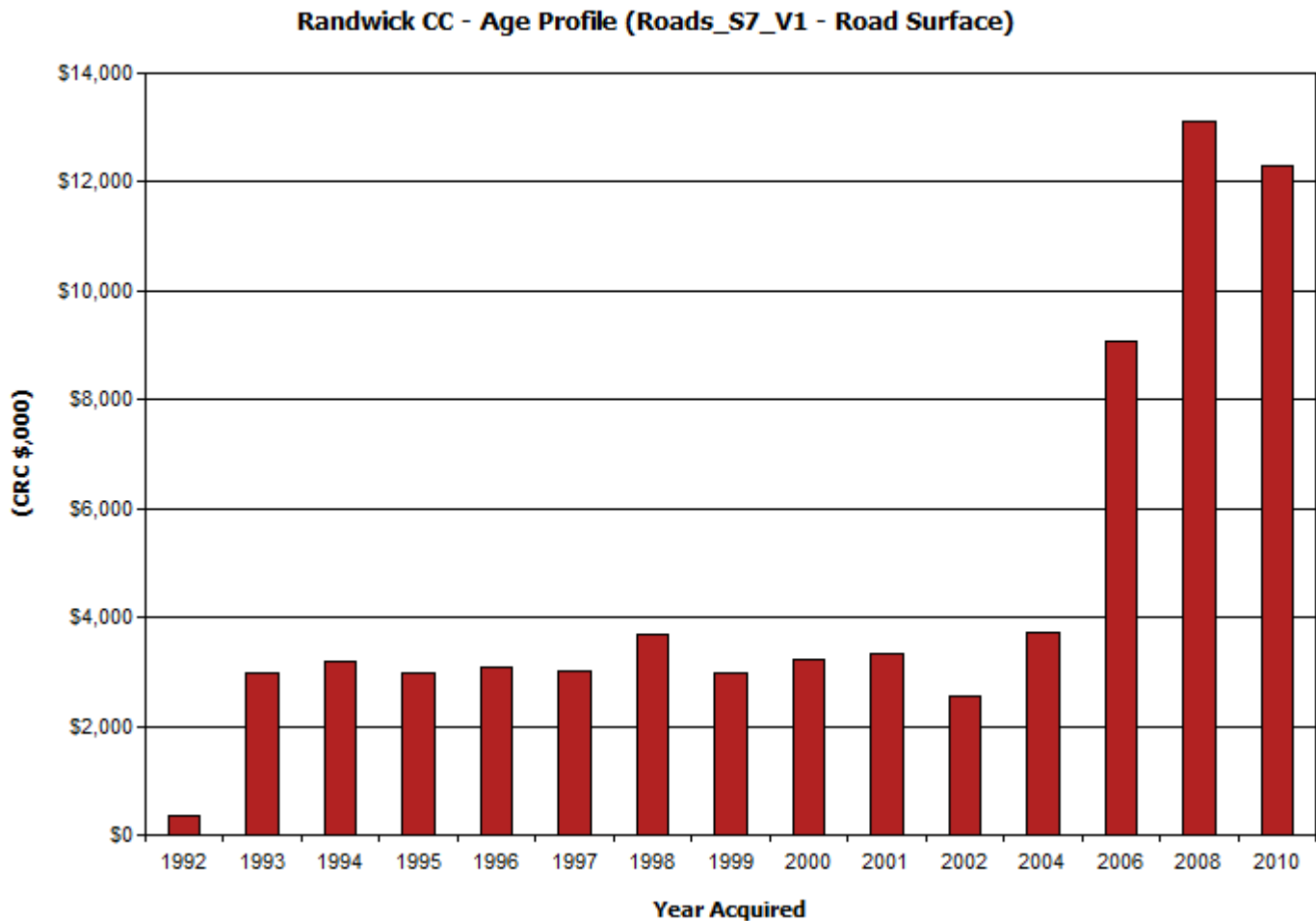
The assets covered by this asset management plan are shown below.

Road Surface	2,802,641m ²
Road Pavement	2,802,641m ²

The age profile of Council's assets is shown below.

Fig 2. Asset Age Profile





The asset age profile shown is not indicative of the actual age of the assets. The year of construction/acquisition for road assets is not known to any degree of accuracy for most roads. The year of acquisition was therefore determined by considering the anticipated asset life and current condition on the lifecycle deterioration curve for that asset.

For example if an asset was assessed to be a condition 7 out of 10, based on a straight line depreciation graph it is assumed that 70% of the life of the asset has been consumed. If the road surface has an assumed useful life of 20 years then 14 years of its useful life has been consumed. To determine 'Year of Acquisition' the asset consumption age of 14 is subtracted from the current year, 2012, giving a year of acquisition of 1998.

5.1.2 Asset capacity and performance

Council's services are generally provided to meet design standards where these are available.

Locations where deficiencies in service performance are known are detailed in Table 5.1.2.

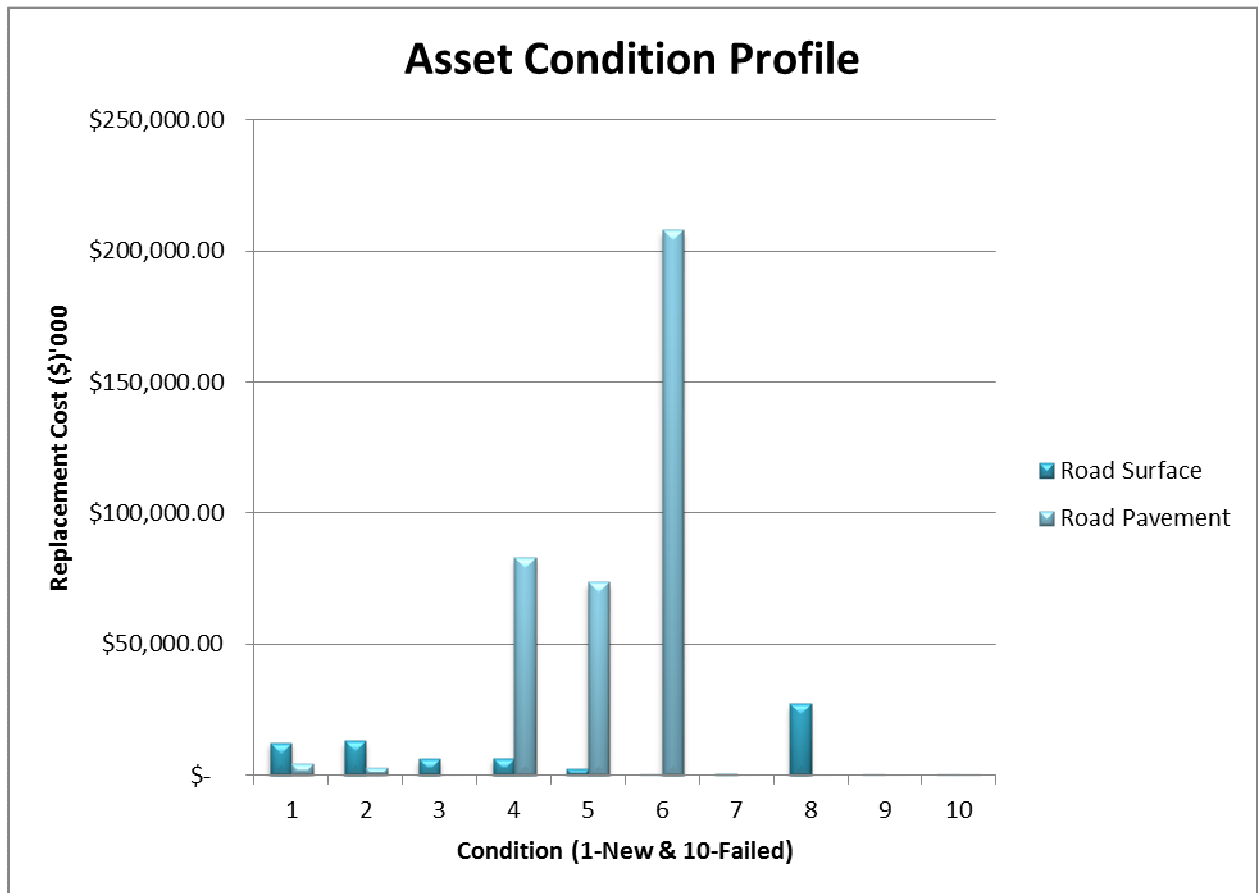
Table 5.1.2. Known Service Performance Deficiencies

Location	Service Deficiency
Throughout the LGA	The condition of laneways is lower than the overall condition of the road local and regional road network. A program for the lanes has commenced to improve the condition of the lanes.

5.1.3 Asset condition

The condition profile of Council's assets is shown below.

Fig 3. Asset Condition Profile



Condition is measured using a 1 – 10 rating system.

Low volume local road condition ratings		
1	New	New surfacing less than 2 years old
2	Very Good	Discolouration. No signs of deteriorations.
3	Good	Loss of fines.
4	Average	Minor environmental cracking to less than 10% of the pavement.
5	Satisfactory	Some ravelling with moderate environmental cracking but pavement structurally sound, crocodile cracking <5%
6	Unsatisfactory	Ravelling with extensive environmental cracking. Isolated crocodile cracking with potholes starting to form
7	Poor	Moderate crocodile cracking and potholes
8	Consider Reconstruction	Extensive crocodile cracking and numerous potholes requiring regular and extensive maintenance including some patching
9	Imminent Failure	Extensive cracking and major surface deformations including rutting and shoving. Potholes form regularly and numerous patches carried out.
10	Asset unusable, isolate	Considered failed

High volume local road condition ratings		
1	New	New surfacing less than 2 years old
2	Very Good	Discolouration. No signs of deteriorations.
3	Good	Loss of fines.
4	Average	Minor environmental cracking to less than 10% of the pavement.
5	Satisfactory	Some ravelling with moderate environmental cracking but pavement structurally sound, crocodile cracking <5%
6	Unsatisfactory	Ravelling with extensive environmental cracking. Isolated crocodile cracking <10% with potholes starting to form
7	Poor	Moderate crocodile cracking <15% and or environmental cracking potholes
8	Consider Reconstruction	Extensive crocodile cracking and numerous potholes requiring regular and extensive maintenance including some patching >15%
9	Imminent Failure	Extensive cracking and major surface deformations including rutting and shoving. Potholes form regularly and numerous patches carried out.
10	Asset unusable, isolate	Considered failed

Pavement condition ratings		
1	New	New surfacing less than 2 years old
2	Very Good	Discolouration. No signs of deteriorations.
3	Good	Loss of fines.
4	Average	Some loss of fines. Evident Microscopic cracks to less than 5% of the pavement
5	Satisfactory	Minor environmental cracking to less than 10% of the pavement.
6	Unsatisfactory	Ravelling with moderate environmental cracking but pavement structurally sound, crocodile cracking <5%
7	Poor	Ravelling with extensive environmental cracking. Isolated crocodile cracking with potholes starting to form
8	Consider Reconstruction	Moderate crocodile cracking and potholes
9	Imminent Failure	Extensive crocodile cracking and numerous potholes
10	Asset unusable, isolate	Extensive cracking and major surface deformations including rutting and shoving. Potholes form regularly and numerous patches carried out. Considered failed

5.1.4 Asset valuations

The value of assets as at 2012 covered by this asset management plan is summarised below. Assets were last revalued at 2011. Assets are valued brownfield rates.

Current Replacement Cost	\$441,515,000
Depreciable Amount	\$441,515,000
Depreciated Replacement Cost	\$213,624,000
Annual Depreciation Expense	\$3,633,000

Council's sustainability reporting reports the rate of annual asset consumption and compares this to asset renewal and asset upgrade and expansion.

Asset Consumption	\$3,633,000
Asset renewal	\$4,781,790

5.2 Risk Management Plan

An assessment of risks associated with service delivery from infrastructure assets has identified critical risks to Council. The risk assessment process identifies credible risks, the likelihood of the risk event occurring, the consequences should the event occur, develops a risk rating, evaluates the risk and develops a risk treatment plan for non-acceptable risks.

Critical risks, being those assessed as 'Very High' - requiring immediate corrective action and 'High' – requiring prioritised corrective action identified in the infrastructure risk management plan are summarised in Table 5.2.

Table 5.2. Critical Risks and Treatment Plans

Asset at Risk	What can Happen	Risk Rating (VH, H)	Risk Treatment Plan
Road	Potholes	Very High	Addressed under road renewal program, preventative maintenance program & responsive maintenance process.
Road	Rutting	Very High	Addressed under road renewal program, preventative maintenance program & responsive maintenance process.
Road	Edge Breaks	High	Addressed under maintenance and capital works programs
All	Unreliable asset register results in audit qualification and loss of confidence in asset management plan	High	Asset Data Improvement Programme as part of asset revaluation with compliance monitored by Council audit committee.
All	Noncompliance with statutory requirements due to insufficient documentation of mandatory processes and reporting	High	Ensure all compliance requirements are detailed in asset management plans with compliance monitored by Council audit committee.

5.3 Routine Maintenance Plan

Routine maintenance is the regular on-going work that is necessary to keep assets operating, including instances where portions of the asset fail and need immediate repair to make the asset operational again.

5.3.1 Maintenance plan

Maintenance includes reactive, planned and cyclic maintenance work activities.

Reactive maintenance is unplanned repair work carried out in response to service requests and management/supervisory directions.

Planned maintenance is repair work that is identified and managed through a maintenance management system (MMS). MMS activities include inspection, assessing the condition against failure/breakdown experience, prioritising, scheduling, actioning the work and reporting what was done to develop a maintenance history and improve maintenance and service delivery performance.

Cyclic maintenance is replacement of higher value components/sub-components of assets that is undertaken on a regular cycle including crack sealing etc. This work generally falls below the capital/maintenance threshold.

Maintenance expenditure trends are shown in Table 5.3.1

Table 5.3.1. Maintenance Expenditure Trends

Year	Maintenance Expenditure		
	Reactive	Planned	Cyclic
2009/10		\$ 2,320,784	
2010/11		\$ 1,998,544	
2011/12	\$ 451,463	\$ 1,173,804	\$ 180,585

Planned maintenance work is 60% of total maintenance expenditure.

Maintenance expenditure levels are considered to be adequate OR inadequate to meet required service levels. Future revision of this asset management plan will include linking required maintenance expenditures with required service levels.

Assessment and prioritisation of reactive maintenance is undertaken by Council staff using experience and judgement.

5.3.2 Standards and specifications

Maintenance work is carried out in accordance with the following Standards and Specifications.

- AUS-SPEC is a joint venture which has published a series of documentation sets which assist Councils in providing competitive services via internal and/or external contracts.

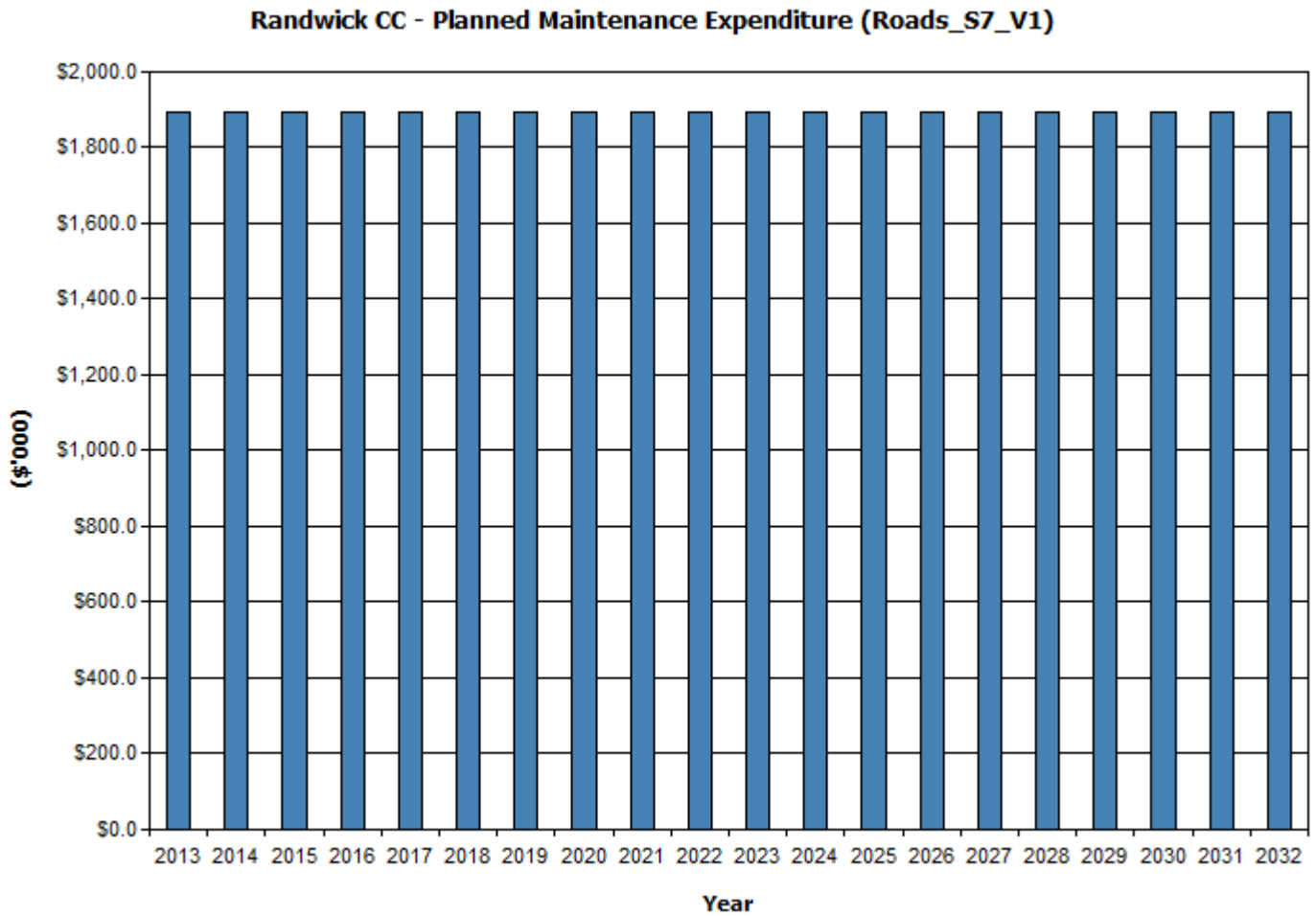
AUS-SPEC #1 Development and Subdivision of Land and AUS-SPEC #2 Technical Specifications for Roadwork's Contracts, provide a basis for design and construction specifications for the construction of new road assets, and the augmentation of existing road assets.

- Council's standards and specifications.

5.3.3 Summary of future maintenance expenditures

Future maintenance expenditure is forecast to trend in line with the value of the asset stock as shown in Fig 4. Note that all costs are shown in current 2012 dollar values.

Fig 4. Planned Maintenance Expenditure



Deferred maintenance, i.e. works that are identified for maintenance and unable to be funded is to be included in the risk assessment process in the infrastructure risk management plan.

Maintenance is funded from Council's operating budget and grants where available. This is further discussed in Section 6.2.

5.4 Renewal/Replacement Plan

Renewal expenditure is major work which does not increase the asset's design capacity but restores, rehabilitates, replaces or renews an existing asset to its original service potential. Work over and above restoring an asset to original service potential is upgrade/expansion or new works expenditure.

5.4.1 Renewal plan

Assets requiring renewal are identified from estimates of remaining life obtained from the asset register worksheets or by nomination by staff, the public or other sources. Candidate proposals are inspected to verify accuracy of remaining life estimate and to develop a preliminary renewal estimate. Verified proposals are ranked by priority and available funds and scheduled in future works programmes. The priority ranking criteria is detailed in Table 5.4.1.

Table 5.4.1 Renewal Priority Ranking Criteria

Criteria	Weighting
Community – Function	30%
Community – Quality	5%
Technical – Condition	10%
Technical – Risk of Failure	40%
Technical – Operating/Maintenance and lifecycle costs	15%
Total	100%

Renewal will be undertaken using 'low-cost' renewal methods where practical. The aim of 'low-cost' renewals is to restore the service potential or future economic benefits of the asset by renewing the assets at a cost less than replacement cost.

Examples of low cost renewal include bitumen surface rejuvenation and pavement stabilisation.

5.4.2 Renewal standards

Renewal work is carried out in accordance with the following Standards and Specifications.

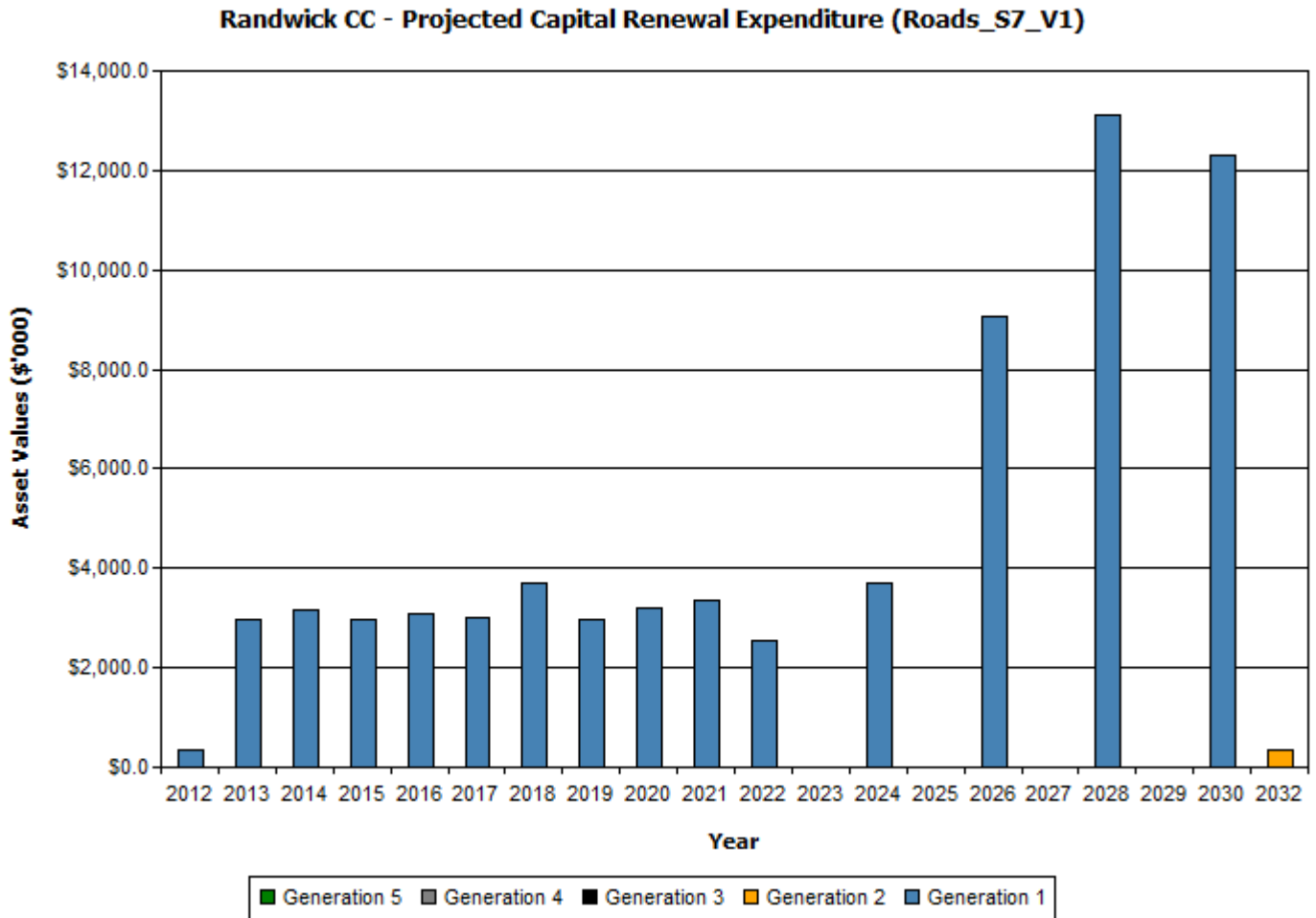
- Austroads Pavement Design Guide
- CIRCLY Pavement Design Software

5.4.3 Summary of future renewal expenditure

Projected future renewal expenditures are forecast to increase over time as the asset stock ages. The costs are summarised in Fig 5. Note that all costs are shown in current 2012 dollar values.

The projected capital renewal program is shown in Appendix A.

Fig 5. Projected Capital Renewal Expenditure



Deferred renewal, i.e. those assets identified for renewal and not scheduled for renewal in capital works programs are to be included in the risk assessment process in the risk management plan.

Renewals are to be funded from Council's capital works program and grants where available. This is further discussed in Section 6.2.

5.5 Creation/Acquisition/Upgrade Plan

New works are those works that create a new asset that did not previously exist, or works which upgrade or improve an existing asset beyond its existing capacity. They may result from growth, social or

environmental needs. Assets may also be acquired at no cost to the Council from land development. These assets from growth are considered in Section 4.4.

5.5.1 Selection criteria

New assets and upgrade/expansion of existing assets are identified from various sources such as councillor or community requests, proposals identified by strategic plans or partnerships with other organisations. Candidate proposals are inspected to verify need and to develop a preliminary renewal estimate. Verified proposals are ranked by priority and available funds and scheduled in future works programmes. The priority ranking criteria is detailed below.

Table 5.5.1 New Assets Priority Ranking Criteria

Criteria	Weighting
Safety	35%
Community Expectation	15%
Lifecycle Costs	25%
Community Benefits (Usage, population, future development)	25%
Total	100%

5.5.2 Standards and specifications

Standards and specifications for new assets and for upgrade/expansion of existing assets are the same as those for renewal shown in Section 5.4.2.

5.5.3 Summary of future upgrade/new assets expenditure

At the current year 2012 of this asset management plan, there is no forecast upgrade or new assets beyond that identified in section 4.4 through new development. The planned renewal capital works program is shown in Appendix A. All costs are shown in current 2012 dollar values.

New assets and services are to be funded from Council's capital works program and grants where available. This is further discussed in Section 6.2.

5.6 Disposal Plan

Disposal includes any activity associated with disposal of a decommissioned asset including sale, demolition or relocation. Assets identified for possible decommissioning and disposal are shown in Table 5.6. These assets will be further reinvestigated to determine the required levels of service and see what options are available for alternate service delivery, if any.

Table 5.6 Assets identified for Disposal

Asset	Reason for Disposal	Timing	Cash flow from disposal
No assets identified for disposal at this time.			

Where cash flow projections from asset disposals are not available, these will be developed in future revisions of this asset management plan.

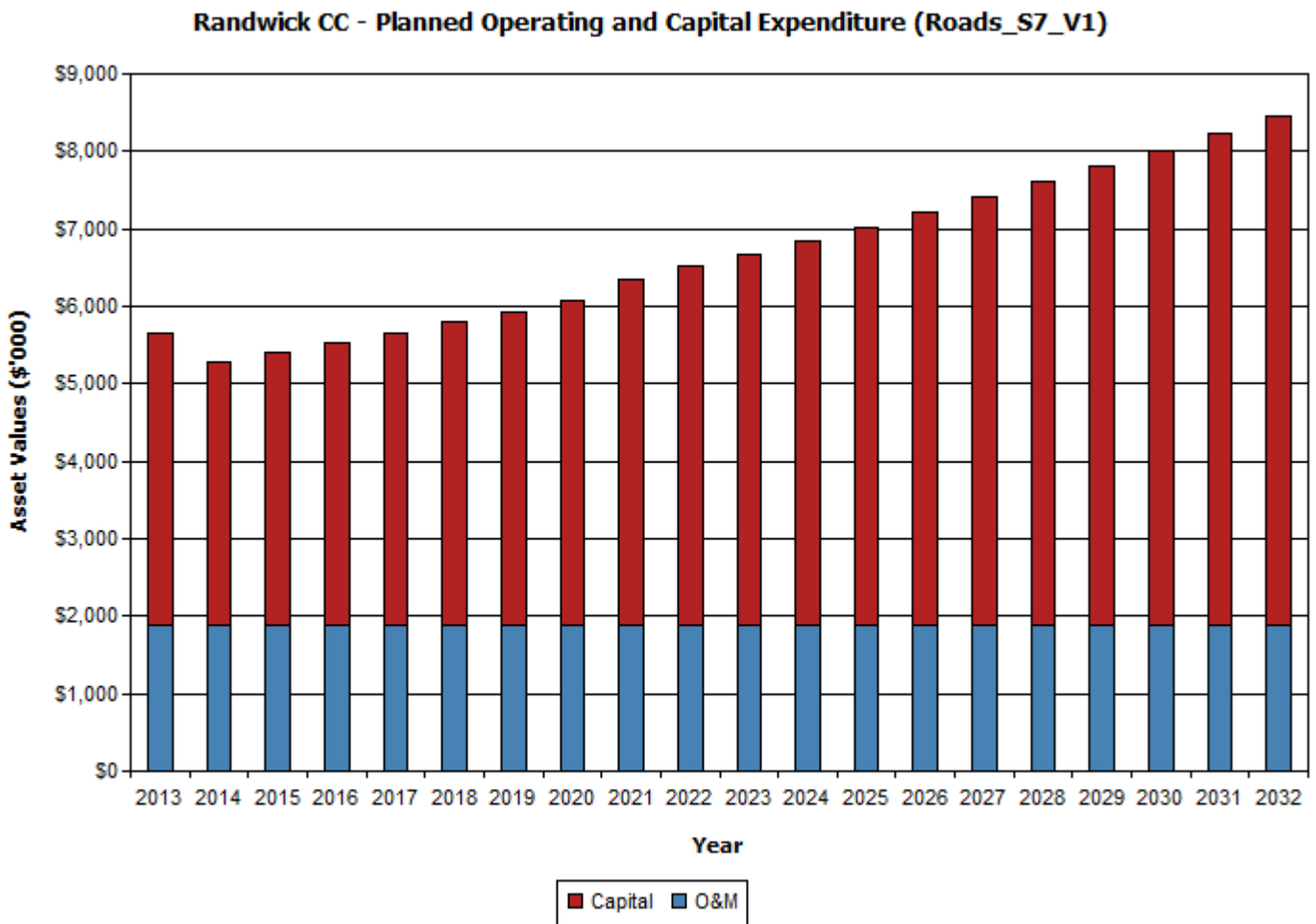
6. FINANCIAL SUMMARY

This section contains the financial requirements resulting from all the information presented in the previous sections of this asset management plan. The financial projections will be improved as further information becomes available on desired levels of service and current and projected future asset performance.

6.1 Financial Statements and Projections

The financial projections are shown in Fig 7 for projected operating (operations and maintenance) and capital expenditure (renewal and upgrade/expansion/new assets).

Fig 7. Planned Operating and Capital Expenditure



Note that all costs are shown in current 2012 dollar values.

6.1.1 Sustainability of service delivery

There are two key indicators for financial sustainability that have been considered in the analysis of the services provided by this asset category, these being long term life cycle costs and medium term costs over the 20 year financial planning period.

Long term - Life Cycle Cost

Life cycle costs (or whole of life costs) are the average costs that are required to sustain the service levels over the longest asset life. Life cycle costs include maintenance and asset consumption (depreciation expense). The annual average life cycle cost for the services covered in this asset management plan is \$5,649,856.

Life cycle costs can be compared to life cycle expenditure to give an indicator of sustainability in service provision. Life cycle expenditure includes maintenance plus capital renewal expenditure. Life cycle expenditure will vary depending on the timing of asset renewals. The life cycle expenditure at the start of the plan is \$5,664,480.

A gap between life cycle costs and life cycle expenditure gives an indication as to whether present consumers are paying their share of the assets they are consuming each year. The purpose of this road surface and pavement asset management plan is to identify levels of service that the community needs and can afford and develop the necessary long term financial plans to provide the service in a sustainable manner.

The life cycle gap for services covered by this asset management plan is \$1,023,409 per annum. The life cycle sustainability index is 1.18.

Medium term – 20 year financial planning period

This asset management plan identifies the estimated maintenance and capital expenditures required to provide an agreed level of service to the community over a 20 year period for input into a 10 year financial plan and funding plan to provide the service in a sustainable manner.

This may be compared to existing or planned expenditures in the 20 year period to identify any gap. In a core asset management plan, a gap is generally due to increasing asset renewals.

Fig 8 shows the projected asset renewals in the 20 year planning period from the asset register. The projected asset renewals are compared to planned renewal expenditure in the capital works program and capital renewal expenditure in year 1 of the planning period as shown in Fig 8. Table 6.1.1 shows the annual and cumulative funding gap between projected and planned renewals.

Fig 8. Projected and Planned Renewals and Current Renewal Expenditure

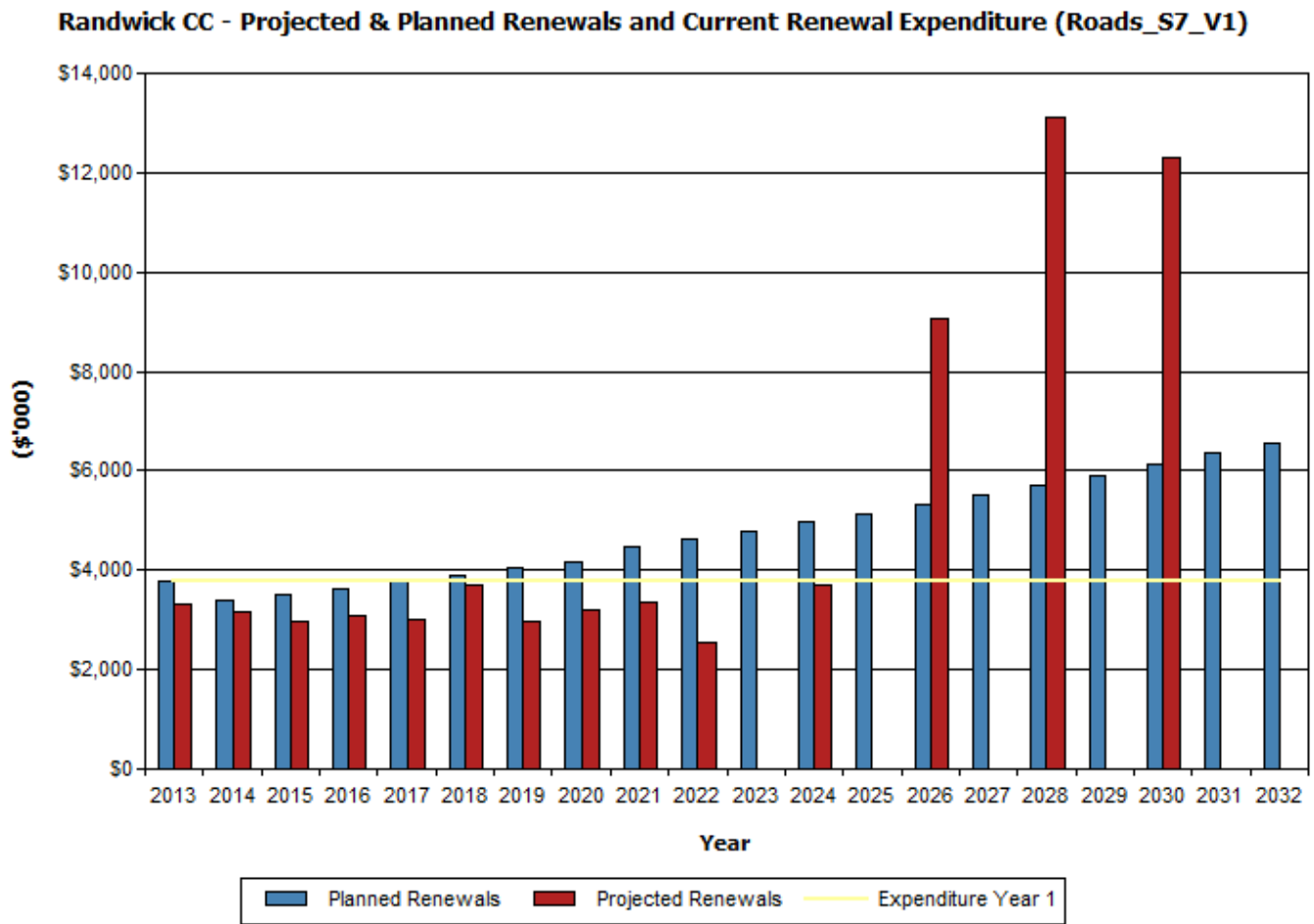


Table 6.1.1 shows the gap between projected and planned renewals.

Table 6.1.1 Projected and Planned Renewals and Expenditure Gap

Year End Jun-30	Total Operations Expenditure (\$'000)	Total Maintenance Expenditure (\$'000)	Projected Capital Renewal Expenditure (\$'000)	Planned Capital Upgrade/New Expenditure (\$'000)	Planned Disposals (\$'000)	Planned Capital Renewal Expenditure (\$'000)	Shortfall/Surplus in Renewal Expenditure (Projected-Planned) (\$'000)	Cumulative Renewal Funding Shortfall (\$'000)
2013	\$0.00	\$1,891.48	\$3,317.04	\$0.00	\$0.00	\$3,773.00	-\$455.96	-\$455.96
2014	\$0.00	\$1,891.48	\$3,178.68	\$0.00	\$0.00	\$3,386.00	-\$207.32	-\$663.28
2015	\$0.00	\$1,891.48	\$2,973.55	\$0.00	\$0.00	\$3,508.00	-\$534.45	-\$1,197.73
2016	\$0.00	\$1,891.48	\$3,067.53	\$0.00	\$0.00	\$3,634.00	-\$566.47	-\$1,764.19
2017	\$0.00	\$1,891.48	\$3,012.58	\$0.00	\$0.00	\$3,764.00	-\$751.42	-\$2,515.61
2018	\$0.00	\$1,891.48	\$3,692.54	\$0.00	\$0.00	\$3,899.00	-\$206.46	-\$2,722.07
2019	\$0.00	\$1,891.48	\$2,964.76	\$0.00	\$0.00	\$4,039.00	-\$1,074.24	-\$3,796.31
2020	\$0.00	\$1,891.48	\$3,211.60	\$0.00	\$0.00	\$4,184.00	-\$972.40	-\$4,768.71
2021	\$0.00	\$1,891.48	\$3,339.73	\$0.00	\$0.00	\$4,459.00	-\$1,119.27	-\$5,887.97
2022	\$0.00	\$1,891.48	\$2,546.35	\$0.00	\$0.00	\$4,620.00	-\$2,073.65	-\$7,961.63
2023	\$0.00	\$1,891.48	\$0.00	\$0.00	\$0.00	\$4,785.00	-\$4,785.00	-\$12,746.63
2024	\$0.00	\$1,891.48	\$3,710.28	\$0.00	\$0.00	\$4,957.00	-\$1,246.72	-\$13,993.35
2025	\$0.00	\$1,891.48	\$0.00	\$0.00	\$0.00	\$5,135.00	-\$5,135.00	-\$19,128.35
2026	\$0.00	\$1,891.48	\$9,068.57	\$0.00	\$0.00	\$5,319.00	\$3,749.57	-\$15,378.78
2027	\$0.00	\$1,891.48	\$0.00	\$0.00	\$0.00	\$5,510.00	-\$5,510.00	-\$20,888.78
2028	\$0.00	\$1,891.48	\$13,101.86	\$0.00	\$0.00	\$5,708.00	\$7,393.86	-\$13,494.92
2029	\$0.00	\$1,891.48	\$0.00	\$0.00	\$0.00	\$5,913.00	-\$5,913.00	-\$19,407.92
2030	\$0.00	\$1,891.48	\$12,308.01	\$0.00	\$0.00	\$6,125.00	\$6,183.01	-\$13,224.92
2031	\$0.00	\$1,891.48	\$0.00	\$0.00	\$0.00	\$6,344.90	-\$6,344.90	-\$19,569.82
2032	\$0.00	\$1,891.48	\$0.00	\$0.00	\$0.00	\$6,572.80	-\$6,572.80	-\$26,142.62

Please note in column 8, "Shortfall/Surplus," a negative value indicates a surplus and a positive value indicates a shortfall.

Providing services in a sustainable manner will require matching of projected asset renewals to meet agreed service levels with planned capital works programs and available revenue.

A gap between projected asset renewals, planned asset renewals and funding indicates that further work is required to manage required service levels and funding to eliminate any funding gap.

Council's long term financial plan covers the whole 20 year planning period. The total maintenance and capital renewal expenditure required over the 10 years is \$58,180,800.

This is an average expenditure of \$5,818,080. Estimated maintenance and capital renewal expenditure in year 1 is \$5,208,520. The 10 year sustainability index is 1.10.

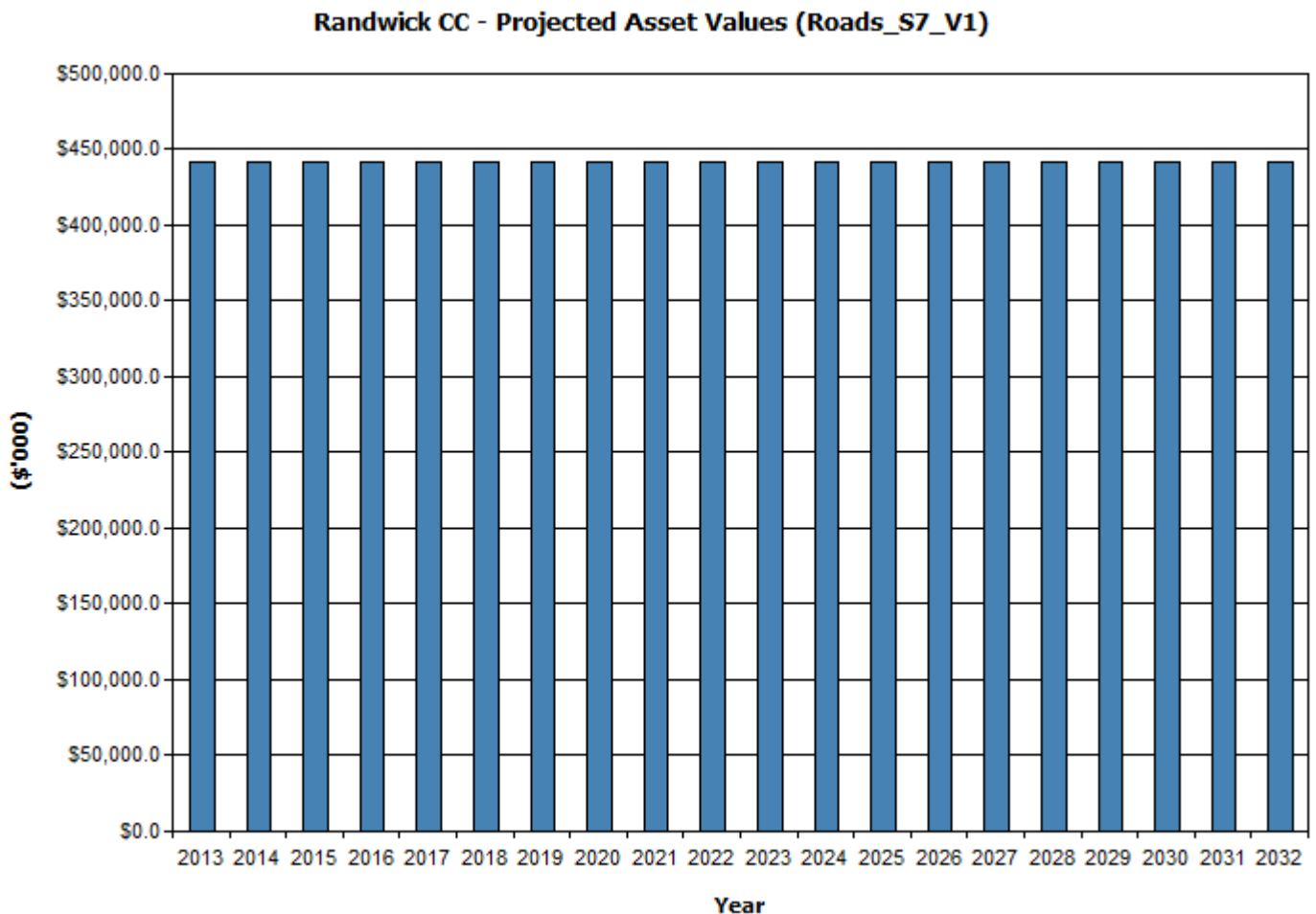
6.2 Funding Strategy

Projected expenditure identified in Section 6.1 is to be funded from Council's operating and capital budgets. The funding strategy is detailed in the Council's 20 year long term financial plan.

6.3 Valuation Forecasts

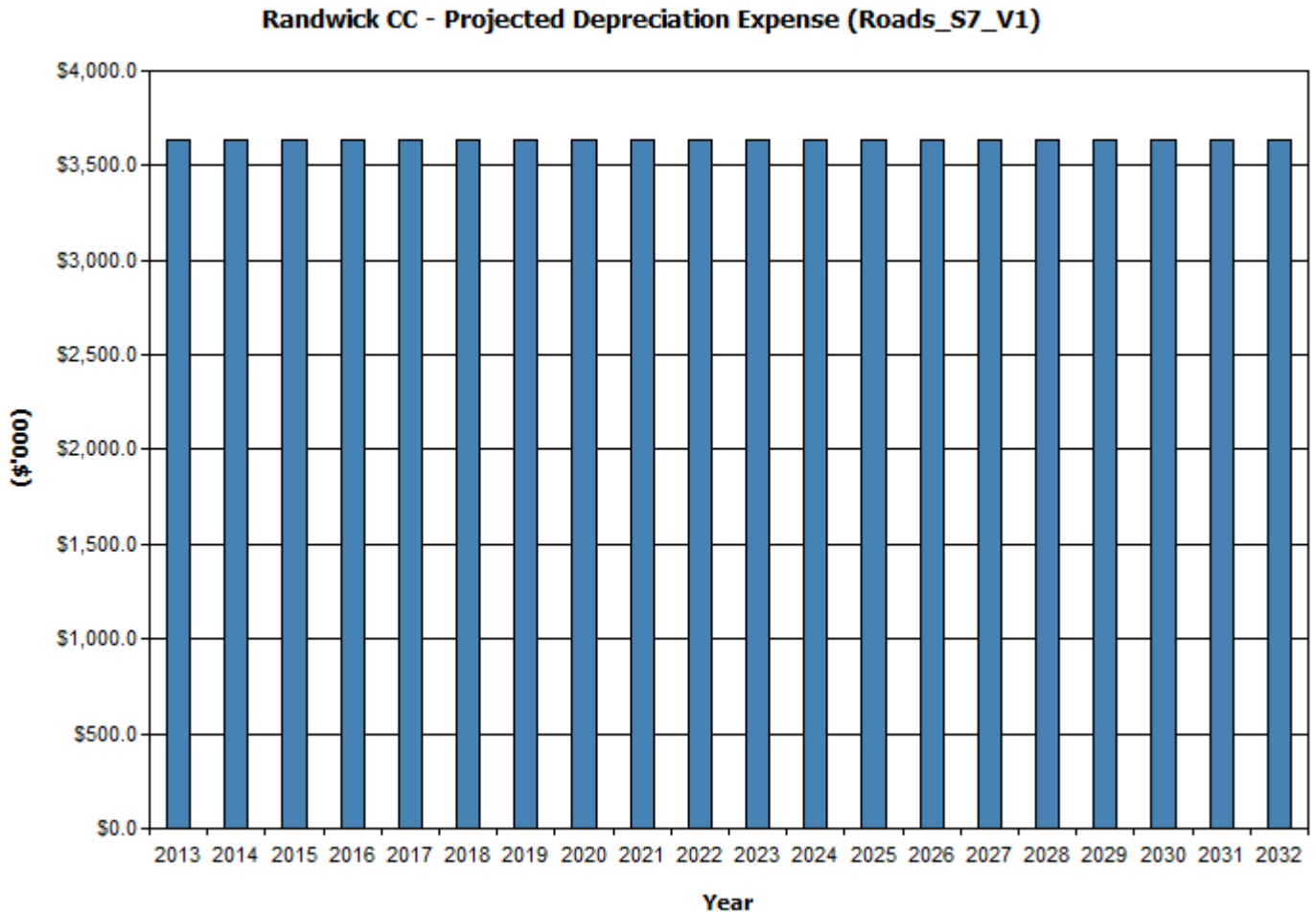
Asset values are forecast to increase as additional assets are added to the asset stock from construction and acquisition by Council and from assets constructed by land developers and others and donated to Council. Fig 9 shows the projected replacement cost asset values over the planning period in current 2012 dollar values.

Fig 9. Projected Asset Values



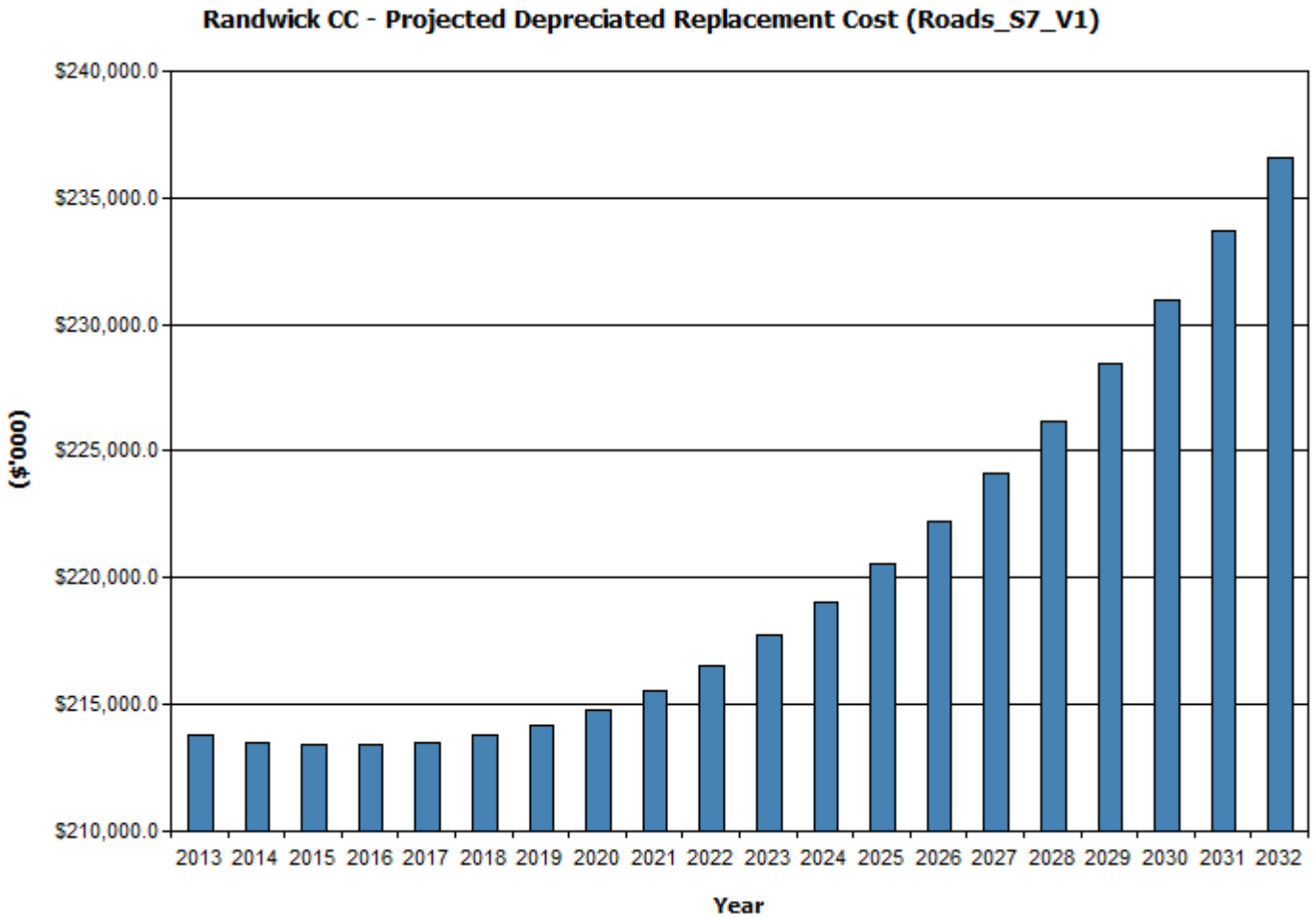
Depreciation expense values are forecast in line with asset values as shown in Fig 10.

Fig 10. Projected Depreciation Expense



The depreciated replacement cost (current replacement cost less accumulated depreciation) will vary over the forecast period depending on the rates of addition of new assets, disposal of old assets and consumption and renewal of existing assets. Forecast of the assets' depreciated replacement cost is shown in Fig 11.

Fig 11. Projected Depreciated Replacement Cost



6.4 Key Assumptions made in Financial Forecasts

This section details the key assumptions made in presenting the information contained in this asset management plan and in preparing forecasts of required operating and capital expenditure and asset values, depreciation expense and carrying amount estimates. It is presented to enable readers to gain an understanding of the levels of confidence in the data behind the financial forecasts.

Key assumptions made in this asset management plan are:

- A useful life of 20 years has been assumed for asphalt surfaces in line with community levels of service. The useful life determines the time for intervention as 20 years even though revaluations assume an asset life of 25 years.
- The estimates used for the 2012 values will remain constant and current for the next 20 years.

Accuracy of future financial forecasts may be improved in future revisions of this asset management plan by the following actions.

- Develop performance measures and targets for road asset service criteria, considering community/customer expectations; strategic goals; legislative requirements, and Council's resource ability to meet measures and targets.

- Review and improve maintenance practices, considering service agreements for maintenance activities, and procedures to reduce the potential liability exposures associated with the maintenance of roads.
- Consider advancements in technology, products and processes that improve the life, or reduce the cost of road asset renewal including opportunities to recycle or achieve greater residual values.
- Review and improve the system to monitor and control the standard of work of private/utility contractors associated with road opening restorations.
- Review and improve the system to monitor and control damage to public assets from development works.
- Guidelines detailing issues for consideration in assessing the need for a section of public road; and closure and sale procedures for road asset disposal, be reviewed.
- Review opportunities for improvement of accounting and pavement management system integration for calculation of asset valuation.
- Review elements of the pavement management system and ensure that sufficient funds are provided to undertake condition testing of 20% of the road network annually.

7. ASSET MANAGEMENT PRACTICES

7.1 Accounting/Financial Systems

Primary issues in the accounting of infrastructure assets relate to valuation and the change in service potential associated with depreciation and renewals.

These issues have been discussed previously, but financial systems must have the capacity to provide the required statutory and regulatory reporting requirements.

The Local Government Act 1993 requires Council to prepare an annual report as to its achievements with respect to the objectives and performance targets set out in its management plan for that year.

This report provides Council's audited financial statements including the condition of public works under the control of the council as at the end of that year, together with:

- A. An estimate (at current values) of the amount of money required to bring the works up to a satisfactory standard, and
- B. An estimate (at current values) of the annual expense of maintaining the works at that standard, and
- C. The council's program of maintenance for that year in respect of the works.

Australian Accounting Standard AASB116 is applicable to financial reporting by local governments, and provides guidelines for accounting methods and procedures.

In 2010 Council implemented a new financial system, Finance One by Technology One. This system contains a Works and Assets Module in which works orders or tasks can be raised and costing's tracked against a particular asset. Scheduled maintenance work orders are raised through the module which can be directly related to any asset for instance, Footpaths.

7.2 Asset Management Systems

Early this year Council received access to our Strategic Asset Management Software Package, SAM. This system includes an asset register, asset definitions, modelling capabilities and planned work reports.

"Recently, this has been recognized by the introduction of legislative requirements and state based Asset Management Programs, to support infrastructure managers, such as Local Government Authorities, to forecast and plan for their future asset management funding needs."

*Strategic Asset Management (SAM) allows organizations to address both these issues by systematically and optimally manage physical assets and their associated performance, risks and expenditure over the assets lifecycle to achieve specified organizational and community service levels."*²

Trial data has been prepared for downloading into SAM and Council asset staff are currently awaiting confirmation on software support arrangements to allow data trialling.

Other systems include;

- PARMMS Road Manager – main system with outputs to SAM for calibration and consistency of Asset system across asset classes.

² <http://assetlifecycle.com.au/wp-content/uploads/Brochure-SAM-v2.7.pdf>

- Revaluation spreadsheets,
- GIS (ESRI ArcGIS) tables
- Eview

7.3 Information Flow Requirements and Processes

The key information flows *into* this asset management plan are:

- The asset register data on size, age, value, remaining life of the network;
- The unit rates for categories of work/material;
- The adopted service levels;
- Projections of various factors affecting future demand for services;
- Correlations between maintenance and renewal, including decay models;
- Data on new assets acquired by council.

The key information flows *from* this asset management plan are:

- The assumed Works Program and trends;
- The resulting budget, valuation and depreciation projections;
- The useful life analysis.

These will impact the Long Term Financial Plan, Strategic Business Plan, annual budget and departmental business plans and budgets.

The process for asset management decisions for the road network requires consideration of the pavement management system (PMS), and project level assessment.

Road sections suggested for treatment by community requests are inspected and their condition confirmed on the PMS. Consequently, these sections may be flagged for further investigation and assessment. This provides a customer based verification of PMS data in addition to routine condition collection.

The PMS provides a mechanism for prioritising the approximately 1500 road sections into a manageable subset for assessment and works programme development. The PMS provides optimised decision making at the network level by accounting for lifecycle costs, performance prediction.

7.4 Standards and Guidelines

- Australian Infrastructure Financial Management Guidelines 2009, IPWEA Version 1
- International Infrastructure Management Manual 2011, IPWEA
- AASB116 Australian Accounting Standard - Infrastructure, plant, property, and equipment
- DLG - Code of Accounting and Reporting Practice
- DLG - Integrated Planning Guidelines
- AUS-SPEC - a joint venture which has published a series of documentation sets which assist Councils

8. PLAN IMPROVEMENT AND MONITORING

8.1 Performance Measures

The effectiveness of the asset management plan can be measured in the following ways:

- The degree to which the required cash flows identified in this asset management plan are incorporated into council's long term financial plan and Strategic Management Plan;
- The degree to which 1-5 year detailed works programs, budgets, business plans and organisational structures take into account the 'global' works program trends provided by the asset management plan;

8.2 Improvement Plan

The asset management improvement plan generated from this asset management plan is shown in Table 8.2.

Table 8.2 Improvement Plan

Task No	Task	Responsibility	Resources Required	Timeline
1.	Conduct roadrevaluation 2012-2013	Engineering Services	Asset Engineer	2012/13
2.	Complete 25% data collection yearly	Engineering Services	Asset Engineer	Annually
3.	Insert road data into SAM	Engineering Services	Asset Engineer	By 2014/15
4.	Review and improvement of maintenance practices	Engineering Services	Asset Engineer	Ongoing
5.	Implement Asset Capitalisation and Accounting Policy in line with AIFMG to keep asset register up to date and current with financial capitalisation	Finance and Administration	Finance and Administration	Ongoing

AIFMG = Australian Financial Management Guidelines

8.3 Monitoring and Review Procedures

This asset management plan will be reviewed during annual budget preparation and amended to recognise any changes in service levels and/or resources available to provide those services as a result of the budget decision process.

The Plan has a life of 4 years with 20 year rolling forecasts and is due for revision and updating within 2 years of each Council election.

REFERENCES

Randwick City Council Community Consultation Principles and Consultation Planning Guide

Randwick City Council City Plan

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APPENDICES

Appendix A 10 Year Local Road Renewal Program.

Appendix B 10 Year Regional Road Renewal Program

Appendix C 10 Year Lane Renewal Program

Appendix D Population Projection Details

Appendix E Roads Sustainability Ratios

Appendix F Service Cost Long Term Financial Plan

Appendix A 10 Year Local Road Renewal Program

YEAR	PS_ID	Road Name	From Street	To Street	TREATMENT	THICKNESS	Area (m ²)	Renewal Cost
2013	RD013A	ALBERT STREET	PITT STREET	AVOCA STREET	RECONSTRUCTION AC	115	1320	\$85,008.00
2013	RD032A	APSLEY AVENUE	BUNNERONG ROAD	BOTANY STREET	PROFILE & RESHEET	30	2944	\$56,525.00
2013	RD035B	ARCADIA STREET	BEACH STREET	ARDEN STREET	PROFILE & RESHEET	50	888	\$28,416.00
2013	RD102B	BOTANY STREET	ANZAC PARADE	STURT STREET	PROFILE & RESHEET	30	1864.8	\$35,808.00
2013	RD102E	BOTANY STREET	MIDDLE STREET	BARKER STREET	PROFILE & RESHEET	40	1801.8	\$46,131.00
2013	RD102F	BOTANY STREET	BARKER STREET	HIGH STREET	PROFILE & RESHEET	30	5607	\$107,654.00
2013	RD020A	ALISON ROAD	BEACH STREET	ARDEN STREET	PROFILE & RESHEET	40	575	\$14,720.00
2013	RD067A	BAY STREET	CLIFFORD STREET	THE END	PROFILE & RESHEET	50	847.6	\$25,440.00
2013	RD075B	BELL STREET	BOYCE ROAD	THE END	PROFILE & RESHEET	30	240	\$4,320.00
2013	RD077A	BELLA STREET	PINE STREET	THE END	PROFILE & RESHEET	40	280	\$6,720.00
2013	RD102H	BOTANY STREET	ARTHUR STREET	ALISON ROAD	PROFILE & RESHEET	30	3528	\$67,738.00
2013	RD043A	ASTOLAT STREET	AVOCA STREET	THE END	PROFILE & RESHEET	30	976	\$17,568.00
2013	RD093A	BLOOMFIELD STREET	DENNING STREET	THE END	PROFILE & RESHEET	50	456	\$13,680.00
2013	RD108G	BOYCE ROAD	HANNAN STREET	ROYAL STREET	PROFILE & RESHEET	30	1968.4	\$37,786.00
2013	RD110A	BRADLEY STREET	ALISON ROAD	THE END	PROFILE & RESHEET	40	1547.6	\$37,152.00

2013	RD159A	CARR STREET	BEACH STREET	ARDEN STREET	PROFILE & RESHEET	50	1054	\$33,728.00
2013	RD159D	CARR STREET	MOUNT STREET	BYRON STREET	PROFILE & RESHEET	30	1822.8	\$35,002.00
2013	RD162A	CARTER STREET	AVOCA STREET	CASTLE STREET	PROFILE & RESHEET	50	1166.4	\$37,312.00
2013	RD191B	CLOVELLY ROAD	EARL STREET	AVOCA STREET	PROFILE & RESHEET	30	2000	\$38,400.00
2013	RD191G	CLOVELLY ROAD	ARDEN STREET	BEACH STREET	PROFILE & RESHEET	30	1387.5	\$26,650.00
2013	RD206A	COX STREET	OBERON STREET	CLIFFORD STREET	PROFILE & RESHEET	30	305.3	\$5,490.00
2013	RD227A	DAY AVENUE	TUNSTALL AVENUE	EASTERN AVENUE	PROFILE & RESHEET	40	1760	\$45,056.00
2013	RD227B	DAY AVENUE	EASTERN AVENUE	COTTENHAM AVENUE	PROFILE & RESHEET	30	1240	\$23,808.00
2013	RD227C	DAY AVENUE	COTTENHAM AVENUE	MOORAMIE AVENUE	PROFILE & RESHEET	40	1240	\$31,744.00
2013	RD227E	DAY AVENUE	DONCASTER AVENUE	ANZAC PARADE	PROFILE & RESHEET	40	2480	\$63,488.00
2013	RD238B	DOLPHIN STREET	ARDEN STREET	BROOK STREET	PROFILE & RESHEET	30	2440	\$46,848.00
2013	RD250B	DUKE STREET	BALFOUR ROAD	KENSINGTON ROAD	PROFILE & RESHEET	50	1120	\$35,840.00
2013	RD250C	DUKE STREET	KENSINGTON ROAD	BORONIA STREET	PROFILE & RESHEET	50	1100	\$35,200.00
2013	RD251D	DUNCAN STREET	MAROUBRA ROAD	TORRINGTON ROAD	PROFILE & RESHEET	30	4050	\$77,760.00
2013	RD260B	EASTERN AVENUE	DAY AVENUE	TRESSIDDER AVENUE	PROFILE & RESHEET	30	4485.4	\$86,112.00
2013	RD276A	EULALIE AVENUE	AVOCA STREET	THE END	PROFILE & RESHEET	40	525	\$12,600.00
2013	RD279A	EVELYN STREET	DENNING STREET	MALABAR ROAD	PROFILE & RESHEET	40	1476	\$35,424.00

2013	RD288A	FEWINGS STREET	CLOVELLY ROAD	SUSAN LANE	PROFILE & RESHEET	40	260	\$6,240.00
2013	RD308A	FRANKLIN STREET	BUNNERONG ROAD	BLAXLAND STREET	PROFILE & RESHEET	45	9811.2	\$282,557.00
2013	RD312A	TALLOW PLACE	ARGYLE CRESCENT	THE END	PROFILE & RESHEET	50	792	\$23,760.00
2013	RD334A	GOODWOOD STREET	ANZAC PARADE	DONCASTER AVENUE	PROFILE & RESHEET	40	2244.8	\$57,472.00
2013	RD338A	GORDON STREET	THE END	WAVERLY STREET	PROFILE & RESHEET	40	845.6	\$20,304.00
2013	RD339A	GORDON AVENUE	MOORE STREET	THE END	PROFILE & RESHEET	55	2074.8	\$68,475.00
2013	RD342A	GRAY STREET	ST LUKE STREET	HEATH STREET	PROFILE & RESHEET	50	1388.8	\$44,448.00
2013	RD344A	GREENWOOD AVENUE	EVELYN STREET	MALABAR ROAD	PROFILE & RESHEET	40	1144	\$29,286.00
2013	RD357B	HARBOURNE ROAD	MIDDLE STREET	MEEKS STREET	PROFILE & RESHEET	40	1230	\$31,488.00
2013	RD407A	IRETON STREET	AUSTRAL STREET	PRINCE EDWARD STREET	PROFILE & RESHEET	40	1780.8	\$45,594.00
2013	RD431A	KELLY STREET	KELLY LANE	THE END	PROFILE & RESHEET	40	585	\$14,040.00
2013	RD460B	LEETON AVENUE	ALISON ROAD	THE END SOUTH	PROFILE & RESHEET	45	777.6	\$21,006.00
2013	RD468A	LINGARD STREET	ALISON ROAD	RAE STREET	PROFILE & RESHEET	40	560	\$13,440.00
2013	RD471A	LITTLE STREET	DUNCAN STREET	NICOL AVENUE	PROFILE & RESHEET	30	1278	\$23,004.00
2013	RD473B	LITTLE BAY ROAD	NAMATJIRA PLACE	BUNNERONG ROAD	PROFILE & RESHEET	40	6318	\$161,741.00
2013	RD482B	MCCAULEY STREET	AUSTRALIA AVENUE	BOTANY ROAD	PROFILE & RESHEET	30	4323.2	\$83,002.00
2013	RD503A	MAROUBRA ROAD	MARINE PARADE	DUNCAN STREET	PROFILE & RESHEET	30	2990	\$57,408.00

2013	RD503B	MAROUBRA ROAD	DUNCAN STREET	MALABAR ROAD	PROFILE & RESHEET	30	5200	\$99,840.00
2013	RD516D	MELODY STREET	DOLPHIN STREET	BREAM STREET	PROFILE & RESHEET	50	993.3	\$29,790.00
2013	RD532A	MINYA AVENUE	COURT AVENUE	THE END	PROFILE & RESHEET	30	150.5	\$2,718.00
2013	RD542A	MOORINA AVENUE	BUNNERONG ROAD	PARTANNA AVENUE	PROFILE & RESHEET	30	2534	\$48,653.00
2013	RD543A	MORRIS PLACE	NEW ORLEANS CRESCENT	PORTLAND CRESCENT	PROFILE & RESHEET	30	669.6	\$12,864.00
2013	RD558A	NANCYE STREET	LEE STREET	ST PAULS STREET	PROFILE & RESHEET	45	379.5	\$10,233.00
2013	RD559B	NAPIER STREET	PRINCE EDWARD STREET	VICTORIA STREET	PROFILE & RESHEET	30	996.3	\$19,123.00
2013	RD564A	NEVORIE CRESCENT	STOREY STREET	ROYAL STREET	PROFILE & RESHEET	30	1365	\$24,570.00
2013	RD581A	OBERON STREET	WOLSELEY ROAD	DUNDAS STREET	PROFILE & RESHEET	30	1392.3	\$26,726.00
2013	RD581F	OBERON STREET	PEROUSE ROAD	CANBERRA STREET	PROFILE & RESHEET	30	1980	\$38,016.00
2013	RD598A	PALMER STREET	CLOSE STREET	BUNYA PARADE	PROFILE & RESHEET	50	1304	\$41,728.00
2013	RD612C	PEROUSE ROAD	BARKER STREET	ST PAULS STREET	PROFILE & RESHEET	30	2368	\$45,466.00
2013	RD650A	ROMA AVENUE	KENSINGTON ROAD	DONCASTER AVENUE	PROFILE & RESHEET	40	4758	\$121,805.00
2013	RD699D	STURT STREET	PATON STREET	ANZAC PARADE	PROFILE & RESHEET	30	1780.8	\$34,195.00
2013	RD701A	SULLY STREET	HOWARD STREET	THE END	PROFILE & RESHEET	40	1593	\$38,232.00
2013	RD707A	ST PAULS STREET	AVOCA STREET	PEROUSE ROAD	PROFILE & RESHEET	40	2208	\$56,525.00
2013	RD711A	TAY STREET	ALISON ROAD	ANZAC PARADE	PROFILE & RESHEET	30	292	\$5,256.00

2013	RD740A	VARNA STREET	FERN STREET	ARDEN STREET	PROFILE & RESHEET	40	3315.2	\$84,864.00
2013	RD743C	VICTORIA STREET	RAGLAN STREET	IRETON STREET	PROFILE & RESHEET	30	1864.8	\$35,808.00
2013	RD758B	WARNER AVENUE	CAMPBELL LANE	THE END	PROFILE & RESHEET	40	52	\$1,248.00
2013	RD768B	WHITE STREET	DANGAR STREET	GOVETT STREET	PROFILE & RESHEET	50	576	\$18,432.00
2013	RD769A	WILD STREET	FITZGERALD AVENUE	DONOVAN AVENUE	PROFILE & RESHEET	30	688.8	\$13,229.00
2013	RD790A	WURLEY AVENUE	COURT AVENUE	THE END	PROFILE & RESHEET	30	336	\$6,048.00
2013	RD854A	GLEN LANE	CARRINGTON ROAD	GLEN AVENUE	PROFILE & RESHEET	30	509.2	\$9,162.00
2013	RD950A	CENTENNIAL AVENUE	CLOVELLY ROAD	WIDTH CHANGE	PROFILE & RESHEET	40	2368	\$56,832.00
2013	RD950B	CENTENNIAL AVENUE	WIDTH CHANGE	THE END	PROFILE & RESHEET	50	1254.4	\$37,620.00
2013	RD955A	STANLEY STREET	AVOCA STREET	MONMOUTH STREET	PROFILE & RESHEET	30	2354	\$45,197.00
							Total	\$3,202,573.00
2014	RD102A	BOTANY STREET	BUNNERONG ROAD	ANZAC PARADE	PROFILE & RESHEET	30	7169.4	\$137,645.00
2014	RD020B	ALISON ROAD	ARDEN STREET	BROOK STREET	PROFILE & RESHEET	40	1407.4	\$36,019.00
2014	RD028A	ANDERSON STREET	BUNNERONG ROAD	HAYWARD STREET	PROFILE & RESHEET	40	1856.4	\$47,514.00
2014	RD029A	ANDREW STREET	BOUNDARY STREET	SURFSIDE AVENUE	PROFILE & RESHEET	40	1436.2	\$34,464.00
2014	RD053A	BALFOUR ROAD	SALISBURY ROAD	DUKE STREET	PROFILE & RESHEET	40	3294	\$84,326.00
2014	RD056A	BAPAUME PARADE	EASTERN ROAD	THE END	PROFILE & RESHEET	30	1561.6	\$29,990.00
2014	RD041B	ASCOT STREET	DONCASTER AVENUE	THE END	PROFILE & RESHEET	40	460	\$11,776.00

2014	RD099B	BORRODALE ROAD	HOUSTON ROAD	ANZAC PARADE	PROFILE & RESHEET	40	1947.9	\$49,869.00
2014	RD1000A	BERNIE KELLY DRIVE	MARINE PARADE	THE END	PROFILE & RESHEET	40	2632	\$63,168.00
2014	RD108E	BOYCE ROAD	ANZAC PARADE	BRUCE BENNETTS PLACE	PROFILE & RESHEET	40	988	\$25,293.00
2014	RD108H	BOYCE ROAD	ROYAL STREET	BUNNERONG ROAD	PROFILE & RESHEET	30	2226.8	\$42,758.00
2014	RD119E	BROOK STREET	COOGEE BAY ROAD	DOLPHIN STREET	PROFILE & RESHEET	40	2781.6	\$71,219.00
2014	RD119H	BROOK STREET	ALISON ROAD	DIVISION STREET	PROFILE & RESHEET	30	1989	\$38,189.00
2014	RD125A	BRUCE BENNETTS PLACE	BOYCE ROAD	PICCADILLY PLACE	PROFILE & RESHEET	30	756	\$13,608.00
2014	RD129D	BUNDOCK LANE	CANBERRA STREET	AVOCA STREET	PROFILE & RESHEET	30	1582.4	\$28,476.00
2014	RD151A	CANARA AVENUE	ANZAC PARADE	ADINA AVENUE	PROFILE & RESHEET	40	1078	\$27,597.00
2014	RD159B	CARR STREET	ARDEN STREET	BROOK STREET	PROFILE & RESHEET	40	2728	\$69,837.00
2014	RD159C	CARR STREET	BROOK STREET	MOUNT STREET	PROFILE & RESHEET	40	2790	\$71,424.00
2014	RD161A	CARRINGTON ROAD	CARR STREET	COOGEE BAY ROAD	PROFILE & RESHEET	40	2704	\$69,222.00
2014	RD170A	CHAPEL STREET	ST MARKS ROAD	DUTRUC STREET	PROFILE & RESHEET	40	1937	\$49,587.00
2014	RD176A	CHESTER AVENUE	PORTLAND CRESCENT	MINNEAPOLIS CRESCENT	PROFILE & RESHEET	30	2401.2	\$46,099.00
2014	RD185A	CLIFFORD STREET	THE END	MOUNT STREET	PROFILE & RESHEET	50	1182.6	\$35,490.00
2014	RD191A	CLOVELLY ROAD	DARLEY ROAD	EARL STREET	PROFILE & RESHEET	30	1975	\$37,920.00

2014	RD200B	COOPER STREET	STOREY STREET	METCALFE STREET	PROFILE & RESHEET	30	644	\$12,365.00
2014	RD209A	CROMWELL PLACE	ANZAC PARADE	FRANKLIN STREET	PROFILE & RESHEET	30	1405.8	\$25,308.00
2014	RD230A	BARRETT PLACE	GILDERTHORPE AVENUE	THE END	RECONSTRUCTION AC	105	145	\$8,526.00
2014	RD231A	DEWEY COURT	PORTLAND CRESCENT	THE END	PROFILE & RESHEET	30	661.2	\$11,898.00
2014	RD238A	DOLPHIN STREET	THE END	ARDEN STREET	PROFILE & RESHEET	30	1440	\$27,648.00
2014	RD238F	DOLPHIN STREET	CARRINGTON ROAD	JUDGE STREET	PROFILE & RESHEET	40	2580	\$66,048.00
2014	RD245B	DOUGLAS STREET	FERN STREET	THE END	PROFILE & RESHEET	40	2080	\$53,248.00
2014	RD269A	ELLEN STREET	BUNDOCK STREET	RAINBOW STREET	PROFILE & RESHEET	40	1556.1	\$39,834.00
2014	RD278A	EVANS STREET	GOVETT STREET	DARLEY ROAD	PROFILE & RESHEET	40	1584	\$38,016.00
2014	RD281B	EYRE STREET	BRISBANE STREET	DAMPIER STREET	PROFILE & RESHEET	30	2533.8	\$48,653.00
2014	RD315A	GAINFORD AVENUE	JERSEY ROAD	O'CONNELL AVENUE	PROFILE & RESHEET	30	504	\$9,677.00
2014	RD329A	GLEBE STREET	THE END	CARRINGTON ROAD	PROFILE & RESHEET	30	1841	\$33,138.00
2014	RD357A	HARBOURNE ROAD	BARKER STREET	MIDDLE STREET	PROFILE & RESHEET	40	1279.2	\$32,742.00
2014	RD376A	HIGGS STREET	OBERON STREET	DUDLEY STREET	PROFILE & RESHEET	40	2421	\$61,978.00
2014	RD393A	HOWARD STREET	AVOCA STREET	TITANIA STREET	PROFILE & RESHEET	40	720	\$18,432.00
2014	RD463B	LEONARD AVENUE	BORRODALE ROAD	GARDENERS ROAD	PROFILE & RESHEET	50	1764	\$56,448.00
2014	RD484A	MCGOWAN AVENUE	NAPIER STREET	RAGLAN STREET	PROFILE & RESHEET	30	1435.2	\$25,830.00

2014	RD500C	MARINE PARADE	WILSON STREET	MAROUBRA ROAD	PROFILE & RESHEET	50	6350.4	\$203,200.00
2014	RD513A	MEEKS STREET	ANZAC PARADE	HARBOURNE ROAD	PROFILE & RESHEET	40	1366.4	\$34,970.00
2014	RD513E	MEEKS STREET	KENNEDY STREET	BOTANY STREET	PROFILE & RESHEET	40	2354.6	\$60,288.00
2014	RD519B	MENIN ROAD	POZIERES AVENUE	FLINDERS STREET	PROFILE & RESHEET	30	3124.2	\$59,981.00
2014	RD522A	MEYMOTT STREET	HIGGS STREET	THE END	PROFILE & RESHEET	50	1450	\$43,500.00
2014	RD533B	MITCHELL STREET	BURKE STREET	ANZAC PARADE	PROFILE & RESHEET	30	3009.4	\$54,162.00
2014	RD556A	NAMOI ROAD	CLARENCE STREET	PATERSON STREET	PROFILE & RESHEET	30	672	\$12,096.00
2014	RD612A	PEROUSE ROAD	OBERON STREET	HOWARD STREET	PROFILE & RESHEET	30	2432	\$46,694.00
2014	RD612B	PEROUSE ROAD	HOWARD STREET	BARKER STREET	PROFILE & RESHEET	40	2560	\$65,536.00
2014	RD628A	PRINCE EDWARD STREET	ANZAC PARADE	IRETON STREET	PROFILE & RESHEET	30	2200	\$42,240.00
2014	RD628D	PRINCE EDWARD STREET	NAPIER STREET	BILGA CRESCENT	PROFILE & RESHEET	30	6240	\$119,808.00
2014	RD631A	GOONDA AVENUE	ELAROO AVENUE	THE END	PROFILE & RESHEET	40	720	\$17,280.00
2014	RD633B	RAE STREET	DUTRUC STREET	ST MARKS ROAD	PROFILE & RESHEET	40	1198.4	\$30,669.00
2014	RD667A	SECOND AVENUE	THE CAUSEWAY	MALABAR ROAD	PROFILE & RESHEET	30	2083.2	\$39,994.00
2014	RD670A	SEVERN STREET	MARINE PARADE	THE END	PROFILE & RESHEET	30	1091.2	\$19,638.00
2014	RD703A	SYDNEY STREET	WENTWORTH STREET	RANDWICK STREET	PROFILE & RESHEET	40	1061.4	\$25,464.00
2014	RD765B	WENTWORTH STREET	KING STREET	DARLEY ROAD	PROFILE & RESHEET	30	5665	\$108,768.00

2014	RD775A	WILSON STREET	MARINE PARADE	TORRINGTON ROAD	PROFILE & RESHEET	40	2138.4	\$54,733.00
2014	RD845A	BYNA STREET	BILGA CRESCENT	BILGA CRESCENT	PROFILE & RESHEET	30	1305.4	\$23,490.00
2014	RD956A	STRACHAN STREET	ANZAC PARADE	HOUSTON ROAD	PROFILE & RESHEET	40	2033.6	\$52,070.00
							Total	\$2,805,860.00
2015	RD009C	ADINA AVENUE	ELAROO AVENUE	ADINA WAY	PROFILE & RESHEET	30	1238.2	\$22,284.00
2015	RD024D	ALMA ROAD	FLOWER STREET	WIDTH CHANGE	PROFILE & RESHEET	40	1944.8	\$46,680.00
2015	RD035A	ARCADIA STREET	MAJOR STREET	BEACH STREET	PROFILE & RESHEET	50	1528	\$48,896.00
2015	RD060F	BARKER STREET	KENNEDY STREET	BOTANY STREET	PROFILE & RESHEET	45	1547.6	\$44,582.00
2015	RD068C	BEACH STREET	THE END	ARCADIA STREET	PROFILE & RESHEET	40	1798.5	\$46,029.00
2015	RD102D	BOTANY STREET	RAINBOW STREET	MIDDLE STREET	PROFILE & RESHEET	30	4208.4	\$80,794.00
2015	RD041A	ASCOT STREET	ANZAC PARADE	DONCASTER AVENUE	PROFILE & RESHEET	30	2250	\$43,200.00
2015	RD051A	BAIRD AVENUE	BEAUCHAMP ROAD	PERRY STREET	PROFILE & RESHEET	30	3564	\$68,429.00
2015	RD060G	BARKER STREET	BOTANY STREET	JANE STREET	PROFILE & RESHEET	40	532.9	\$13,645.00
2015	RD065A	BATTERY STREET	BEACH STREET	TOWER STREET	PROFILE & RESHEET	40	1427.2	\$36,531.00
2015	RD024A	ALMA ROAD	ANZAC PARADE	GARDEN STREET	PROFILE & RESHEET	30	2112	\$38,016.00
2015	RD071A	BEAUCHAMP ROAD	BROOME STREET	MALABAR ROAD	PROFILE & RESHEET	30	3098.8	\$59,501.00
2015	RD102G	BOTANY STREET	HIGH STREET	ARTHUR STREET	PROFILE & RESHEET	30	2394	\$45,965.00
2015	RD095B	BONA VISTA AVENUE	BOND STREET	MAROUBRA ROAD	PROFILE & RESHEET	40	1170	\$29,952.00

2015	RD112A	BRANDON STREET	ARDEN STREET	WIDTH CHANGE	PROFILE & RESHEET	40	1708	\$40,992.00
2015	RD120A	BROOME STREET	FITZGERALD AVENUE	BROWN ROAD	PROFILE & RESHEET	30	7683	\$147,514.00
2015	RD129C	BUNDOCK LANE	ELLEN STREET	CANBERRA STREET	PROFILE & RESHEET	40	1109.4	\$26,616.00
2015	RD133A	BURKE STREET	FRANKLIN STREET	MITCHELL STREET	PROFILE & RESHEET	30	2960.2	\$56,832.00
2015	RD168A	CHALLIS STREET	WENTWORTH STREET	EARL STREET	PROFILE & RESHEET	40	1029.6	\$26,368.00
2015	RD172A	CHARMAN AVENUE	SNAPE STREET	WIDTH CHANGE	PROFILE & RESHEET	50	486.4	\$14,580.00
2015	RD189A	CLISBY WAY	FINUCANE CRESCENT	TRUSCOTT AVENUE	PROFILE & RESHEET	30	1037.4	\$18,666.00
2015	RD204B	COURT AVENUE	BORRODALE ROAD	GARDENERS ROAD	PROFILE & RESHEET	50	868	\$26,040.00
2015	RD208A	CREER STREET	CANBERRA STREET	THE END	PROFILE & RESHEET	40	1689.6	\$40,560.00
2015	RD214A	DACRE STREET	RAGLAN STREET	FRANKLIN STREET	PROFILE & RESHEET	30	4467.6	\$80,424.00
2015	RD236B	DIVISION STREET	BROOK STREET	MOUNT STREET	PROFILE & RESHEET	40	1145.7	\$29,338.00
2015	RD245C	DOUGLAS STREET	THE END	VARNA STREET	PROFILE & RESHEET	30	520	\$9,360.00
2015	RD250A	DUKE STREET	TODMAN AVENUE	BALFOUR ROAD	PROFILE & RESHEET	40	1360	\$34,816.00
2015	RD251C	DUNCAN STREET	MAXWELL AVENUE	MAROUBRA ROAD	PROFILE & RESHEET	40	2263.2	\$57,933.00
2015	RD253A	DUNDAS STREET	NEPTUNE STREET	OBERON STREET	PROFILE & RESHEET	50	856.8	\$27,424.00
2015	RD285A	FERGUSON STREET	MAROUBRA ROAD	WISE STREET	PROFILE & RESHEET	50	2224.4	\$71,168.00
2015	RD297A	FLOOD STREET	BURNIE STREET	CLOVELLY ROAD	PROFILE & RESHEET	50	861	\$27,552.00

2015	RD298F	FLOWER STREET	MAROUBRA ROAD	HAIG STREET	PROFILE & RESHEET	30	764.4	\$14,669.00
2015	RD303C	FORSYTH STREET	MEEKS STREET	RAINBOW STREET	PROFILE & RESHEET	40	1360.8	\$34,842.00
2015	RD354A	HAMILTON STREET	ALISON ROAD	DIVISION STREET	PROFILE & RESHEET	40	1755.6	\$44,954.00
2015	RD371B	HENDY AVENUE	GUMARA STREET	BUNDOCK STREET	PROFILE & RESHEET	50	480	\$14,400.00
2015	RD373A	HENRY STREET	MEYMOTT STREET	OBERON STREET	PROFILE & RESHEET	50	1656	\$49,680.00
2015	RD387B	HOOPER STREET	HOOPER LANE	CARRINGTON ROAD	PROFILE & RESHEET	50	311.6	\$9,984.00
2015	RD407B	IRETON STREET	PRINCE EDWARD STREET	VICTORIA STREET	PROFILE & RESHEET	40	1041.6	\$26,675.00
2015	RD418A	HUGHES AVENUE	BROOME STREET	THE END	PROFILE & RESHEET	30	1472	\$26,496.00
2015	RD435A	KENNEDY STREET	OVALL LANE	NORTON STREET	PROFILE & RESHEET	50	360	\$11,520.00
2015	RD447B	KNOX STREET	GREVILLE STREET	VARNA STREET	PROFILE & RESHEET	40	2313.4	\$59,213.00
2015	RD448C	KOORINDA AVENUE	MOORAMIE AVENUE	DONCASTER AVENUE	PROFILE & RESHEET	40	1134.6	\$29,056.00
2015	RD449A	KOORINGAI AVENUE	YARRA ROAD	BARAGOOOLA AVENUE	PROFILE & RESHEET	30	1394.4	\$25,092.00
2015	RD458A	LAWSON STREET	POZIERES AVENUE	FINUCANE CRESCENT	PROFILE & RESHEET	30	1428	\$27,418.00
2015	RD479A	LOWE STREET	MELROSE PARADE	THE END	PROFILE & RESHEET	50	581.4	\$17,430.00
2015	RD489A	MCNAIR AVENUE	BOTANY STREET	BYRD AVENUE	PROFILE & RESHEET	40	535.5	\$12,864.00
2015	RD495A	MALABAR ROAD	RAINBOW STREET	ARDEN STREET	PROFILE & RESHEET	30	5720	\$109,824.00
2015	RD516B	MELODY STREET	STARK STREET	COOGEE BAY ROAD	PROFILE & RESHEET	40	1367.4	\$32,808.00

2015	RD523A	MIDDLE STREET	ANZAC PARADE	HARBOURNE ROAD	PROFILE & RESHEET	40	1976.4	\$50,586.00
2015	RD529B	MILROY AVENUE	CARMINYA STREET	BAKER STREET	PROFILE & RESHEET	40	2635.2	\$67,456.00
2015	RD529C	MILROY AVENUE	BAKER STREET	LENTHALL STREET	PROFILE & RESHEET	40	3965	\$101,504.00
2015	RD533A	MITCHELL STREET	FRANKLIN STREET	BURKE STREET	PROFILE & RESHEET	30	2566.6	\$46,206.00
2015	RD544A	MORT STREET	GOVETT LANE	GOVETT STREET	PROFILE & RESHEET	30	784.4	\$15,053.00
2015	RD553B	MURRAY STREET	FERGUSON STREET	ANZAC PARADE	PROFILE & RESHEET	30	621.6	\$11,942.00
2015	RD559C	NAPIER STREET	VICTORIA STREET	BAY PARADE	PROFILE & RESHEET	40	785.7	\$20,122.00
2015	RD564B	NEVORIE CRESCENT	NEVORIE CRESCENT	HANNAN STREET	PROFILE & RESHEET	30	700	\$12,600.00
2015	RD575B	NORTON STREET	KENNEDY STREET	WILLIS STREET	PROFILE & RESHEET	50	1079	\$34,528.00
2015	RD590B	O'SULLIVAN AVENUE	PAINE STREET	NAGLE AVENUE	PROFILE & RESHEET	30	409.2	\$7,853.00
2015	RD618B	PINE STREET	CARRINGTON ROAD	MARKET STREET	PROFILE & RESHEET	40	7808	\$199,885.00
2015	RD626A	PRINCE STREET	KING STREET	COWPER STREET	PROFILE & RESHEET	40	1748	\$44,749.00
2015	RD639A	RANDWICK STREET	COWPER STREET	GORDON STREET	PROFILE & RESHEET	40	1040	\$24,960.00
2015	RD645A	RITCHARD AVENUE	MOUNT STREET	PAULING AVENUE	PROFILE & RESHEET	40	2527.8	\$64,717.00
2015	RD661A	SALISBURY ROAD	BORONIA STREET	BALFOUR ROAD	PROFILE & RESHEET	40	2318	\$59,341.00
2015	RD671A	SHACKEL AVENUE	BRUCE AVENUE	THE END	PROFILE & RESHEET	40	1545.6	\$37,104.00
2015	RD678A	SILVER STREET	BELMORE ROAD	BOTANY STREET	PROFILE & RESHEET	40	2616.4	\$66,970.00

2015	RD682A	SMITHFIELD AVENUE	BROOK STREET	THE END	PROFILE & RESHEET	50	869	\$26,070.00
2015	RD702B	SURFSIDE AVENUE	PARK STREET	KEITH STREET	PROFILE & RESHEET	40	2129.6	\$51,120.00
2015	RD737A	UNDINE STREET	BANKS STREET	MARINE PARADE	PROFILE & RESHEET	30	1107	\$19,926.00
2015	RD768A	WHITE STREET	WENTWORTH STREET	DANGAR STREET	PROFILE & RESHEET	40	1107	\$28,339.00
2015	RD809A	MASON STREET	BUNNERONG ROAD	ROYAL STREET	PROFILE & RESHEET	40	1125.6	\$27,024.00
2015	RD809B	MASON STREET	ROYAL STREET	HANNAN STREET	PROFILE & RESHEET	30	1079.4	\$19,422.00
2015	RD817A	GREEN STREET	ANZAC PARADE	GARDEN STREET	PROFILE & RESHEET	40	744	\$19,046.00
2015	RD823A	VANNY PLACE	AMOUR AVENUE	THE END	PROFILE & RESHEET	30	720	\$12,960.00
							Total	\$2,977,095.00
2016	RD020E	ALISON ROAD	MOUNT STREET	CARRINGTON ROAD	PROFILE & RESHEET	40	2188.6	\$56,038.00
2016	RD090A	BLENHEIM STREET	BOTANY STREET	CLARA STREET	PROFILE & RESHEET	40	3251.2	\$83,226.00
2016	RD053B	BALFOUR ROAD	DUKE STREET	TODMAN AVENUE	PROFILE & RESHEET	40	1195.6	\$30,618.00
2016	RD075A	BELL STREET	STOREY STREET	BOYCE ROAD	PROFILE & RESHEET	30	652.8	\$12,538.00
2016	RD105A	BOWEN PLACE	BROOME STREET	THE END	PROFILE & RESHEET	30	475	\$8,550.00
2016	RD092A	BLIGH STREET	FRANKLIN STREET	BURKE STREET	PROFILE & RESHEET	30	669.6	\$12,060.00
2016	RD099A	BORRODALE ROAD	COTTENHAM AVENUE	HOUSTON ROAD	PROFILE & RESHEET	40	6656.4	\$170,394.00
2016	RD108B	BOYCE ROAD	FLOWER STREET	COOPER STREET	PROFILE & RESHEET	40	2112.8	\$54,093.00
2016	RD108F	BOYCE ROAD	THE END	HANNAN STREET	PROFILE & RESHEET	40	1337.6	\$34,253.00

2016	RD113B	BREAM STREET	ARDEN STREET	BROOK STREET	PROFILE & RESHEET	30	1401.6	\$26,918.00
2016	RD115A	BRIDGES STREET	BROOME STREET	MALABAR ROAD	PROFILE & RESHEET	30	1402.8	\$26,938.00
2016	RD119D	BROOK STREET	CARR STREET	COOGEE BAY ROAD	PROFILE & RESHEET	30	2708.4	\$51,994.00
2016	RD151C	CANARA AVENUE	OORANA AVENUE	YARRA ROAD	PROFILE & RESHEET	40	1029	\$26,342.00
2016	RD152C	CANBERRA STREET	OBERON STREET	HOWARD STREET	PROFILE & RESHEET	40	1380	\$35,328.00
2016	RD156A	CARLTON STREET	ANZAC PARADE	DONCASTER AVENUE	PROFILE & RESHEET	40	2425.7	\$62,106.00
2016	RD159E	CARR STREET	BYRON STREET	DUDLEY STREET	PROFILE & RESHEET	40	2944	\$75,366.00
2016	RD175A	CHEPSTOW STREET	STANLEY STREET	STEPHEN STREET	PROFILE & RESHEET	40	1440	\$36,864.00
2016	RD191D	CLOVELLY ROAD	FRENCHMANS ROAD	CARRINGTON ROAD	PROFILE & RESHEET	30	5500	\$105,600.00
2016	RD191F	CLOVELLY ROAD	FERN STREET	ARDEN STREET	PROFILE & RESHEET	30	5100	\$97,920.00
2016	RD198B	COOGEE STREET	COURLAND STREET	JUDGE STREET	PROFILE & RESHEET	30	3259.2	\$62,573.00
2016	RD202A	COTTENHAM AVENUE	GARDENERS ROAD	DAY AVENUE	PROFILE & RESHEET	40	8010	\$205,056.00
2016	RD224A	DAUNT AVENUE	KNOWLES AVENUE	BUNNERONG ROAD	PROFILE & RESHEET	30	4395.2	\$84,384.00
2016	RD242A	DONNELLAN CIRCUIT	CLOVELLY ROAD	CLOVELLY ROAD	PROFILE & RESHEET	30	1494.1	\$26,892.00
2016	RD248A	SAMUEL TERRY AVENUE	TODMAN AVENUE	THE END	PROFILE & RESHEET	30	2673	\$48,114.00
2016	RD249A	DUDLEY STREET	BEACH STREET	ARDEN STREET	PROFILE & RESHEET	30	1320	\$25,344.00
2016	RD255A	DUTRUC STREET	ALISON ROAD	RAE STREET	PROFILE & RESHEET	40	1024	\$26,214.00

2016	RD281C	EYRE STREET	DAMPIER STREET	FORREST STREET	PROFILE & RESHEET	45	1599	\$46,051.00
2016	RD306A	FRANCES STREET	PRINCE STREET	CHURCH STREET	PROFILE & RESHEET	40	1950.4	\$49,920.00
2016	RD315B	GAINFORD AVENUE	O'CONNELL AVENUE	BEAUCHAMP ROAD	PROFILE & RESHEET	40	720	\$18,432.00
2016	RD316B	GALE ROAD	ROYAL STREET	HANNAN STREET	PROFILE & RESHEET	40	2200.8	\$56,346.00
2016	RD318H	GARDEN STREET	MAROUBRA ROAD	HAIG STREET	PROFILE & RESHEET	40	1693.2	\$43,341.00
2016	RD367A	HAYWARD STREET	ANZAC PARADE	JACQUES STREET	PROFILE & RESHEET	50	504	\$15,120.00
2016	RD369A	HELENA STREET	AVOCA STREET	CANBERRA STREET	PROFILE & RESHEET	40	3520	\$90,112.00
2016	RD397A	COLLIER PLACE	MINNEAPOLIS CRESCENT	THE END	PROFILE & RESHEET	30	720	\$12,960.00
2016	RD435D	KENNEDY STREET	MIDDLE STREET	MEEKS STREET	PROFILE & RESHEET	40	1530	\$39,168.00
2016	RD437A	FROMELLES WAY	BAPAUME PARADE	THE END	PROFILE & RESHEET	30	116	\$2,088.00
2016	RD442A	KING STREET	KING STREET	ALISON ROAD	PROFILE & RESHEET	30	150	\$2,880.00
2016	RD448A	KOORINDA AVENUE	EASTERN AVENUE	COTTENHAM AVENUE	PROFILE & RESHEET	30	921.2	\$17,683.00
2016	RD481A	LURLINE STREET	TORRINGTON ROAD	WATERSIDE AVENUE	PROFILE & RESHEET	30	1350	\$25,920.00
2016	RD489B	MCNAIR AVENUE	BYRD AVENUE	PATON STREET	PROFILE & RESHEET	30	776	\$13,968.00
2016	RD502A	MARKET STREET	AVOCA STREET	THE END	PROFILE & RESHEET	30	2497.6	\$47,962.00
2016	RD504A	FLERS WAY	LONE PINE PARADE	THE END	PROFILE & RESHEET	30	120	\$2,160.00
2016	RD506A	ROMANI WAY	POZIERES AVENUE	THE END	PROFILE & RESHEET	30	164	\$2,952.00

2016	RD546F	MOUNT STREET	DOLPHIN STREET	THE END	PROFILE & RESHEET	50	1643.2	\$52,576.00
2016	RD553A	MURRAY STREET	ROBEY STREET	FERGUSON STREET	PROFILE & RESHEET	30	697.2	\$13,382.00
2016	RD572A	NORFOLK PARADE	FRANKLIN STREET	PARKING LOT	PROFILE & RESHEET	30	306.9	\$5,526.00
2016	RD581E	OBERON STREET	MOUNT STREET	PEROUSE ROAD	PROFILE & RESHEET	40	5500	\$140,800.00
2016	RD635E	RAINBOW STREET	HENDY AVENUE	MOUNT STREET	PROFILE & RESHEET	40	2552	\$65,331.00
2016	RD641A	RAYMOND AVENUE	MCCAULEY STREET	MCCAULEY STREET	PROFILE & RESHEET	30	4056	\$77,875.00
2016	RD646A	ROBERTS AVENUE	FRENCHMANS ROAD	RAVENSWOOD LANE	PROFILE & RESHEET	40	1582.6	\$40,525.00
2016	RD673A	SHAW AVENUE	TRESSIDDER AVENUE	GOODRICH AVENUE	PROFILE & RESHEET	40	3960	\$101,376.00
2016	RD717B	THE CAUSEWAY	FIRST AVENUE	MAROUBRA ROAD	PROFILE & RESHEET	40	1600.6	\$40,986.00
2016	RD722B	TITANIA STREET	HOWARD STREET	AVOCA LANE	PROFILE & RESHEET	50	982.8	\$31,456.00
2016	RD750A	WALKER AVENUE	MELROSE PARADE	CLOVELLY ROAD	PROFILE & RESHEET	30	414.8	\$7,968.00
2016	RD780A	WINKURRA STREET	DOWLING STREET	MILROY AVENUE	PROFILE & RESHEET	30	2574.2	\$46,332.00
2016	RD793B	YORKTOWN PARADE	NEW ORLEANS CRESCENT	CHESTER AVENUE	PROFILE & RESHEET	30	4813.4	\$92,410.00
							Total	\$2,689,329.00
2017	RD006A	ADA STREET	DON JUAN AVENUE	THE END	PROFILE & RESHEET	30	1040	\$18,720.00
2017	RD024E	ALMA ROAD	WIDTH CHANGE	BELL STREET	PROFILE & RESHEET	40	404.8	\$9,720.00
2017	RD035C	ARCADIA STREET	ARDEN STREET	BROOK STREET	PROFILE & RESHEET	40	1736	\$41,664.00
2017	RD039B	ARTHUR STREET	BOTANY STREET	BELMORE ROAD	PROFILE & RESHEET	40	3806.4	\$97,434.00

2017	RD060H	BARKER STREET	JANE STREET	AVOCA STREET	PROFILE & RESHEET	30	2606.1	\$50,035.00
2017	RD060I	BARKER STREET	AVOCA STREET	PEROUSE ROAD	PROFILE & RESHEET	30	1927.2	\$36,998.00
2017	RD068A	BEACH STREET	OBERON STREET	NEPTUNE STREET	PROFILE & RESHEET	50	1166.3	\$37,312.00
2017	RD068B	BEACH STREET	NEPTUNE STREET	CARR STREET	PROFILE & RESHEET	40	3542.5	\$90,675.00
2017	RD053C	BALFOUR ROAD	TODMAN AVENUE	ADDISON STREET	PROFILE & RESHEET	40	2232.6	\$57,165.00
2017	RD072A	BEAUMOND AVENUE	SACKVILLE STREET	BOND STREET	PROFILE & RESHEET	30	1254.6	\$24,096.00
2017	RD083A	BERWICK STREET	MOUNT STREET	THE END	PROFILE & RESHEET	50	1080	\$32,400.00
2017	RD085B	BILGA CRESCENT	CALGA AVENUE	ANZAC PARADE	PROFILE & RESHEET	30	6732.8	\$129,274.00
2017	RD088A	BLACKWOOD AVENUE	BOUNDARY STREET	SURFSIDE AVENUE	PROFILE & RESHEET	50	1487.2	\$44,610.00
2017	RD044A	ASTORIA CIRCUIT	CHESTER AVENUE	CHESTER AVENUE	PROFILE & RESHEET	30	1352	\$24,336.00
2017	RD108A	BOYCE ROAD	BELL STREET	FLOWER STREET	PROFILE & RESHEET	40	1991.2	\$50,970.00
2017	RD108D	BOYCE ROAD	GARDEN STREET	ANZAC PARADE	PROFILE & RESHEET	30	1953.2	\$37,498.00
2017	RD119F	BROOK STREET	DOLPHIN STREET	BREAM STREET	PROFILE & RESHEET	30	972	\$18,662.00
2017	RD134A	BURNIE STREET	CLOVELLY ROAD	ARDEN STREET	PROFILE & RESHEET	40	5337.6	\$136,653.00
2017	RD146A	CALEY STREET	WASSELL STREET	BURKE STREET	PROFILE & RESHEET	30	2163.7	\$38,952.00
2017	RD187A	CLIFTON ROAD	BOUNDARY STREET	BURNIE STREET	PROFILE & RESHEET	40	2880	\$73,728.00
2017	RD232A	DICK STREET	CARRINGTON ROAD	GLEBE STREET	PROFILE & RESHEET	40	1041.4	\$26,650.00

2017	RD236A	DIVISION STREET	ARDEN STREET	BROOK STREET	PROFILE & RESHEET	40	1688.4	\$43,213.00
2017	RD249C	DUDLEY STREET	BROOK STREET	MOUNT STREET	PROFILE & RESHEET	40	2736	\$70,042.00
2017	RD251B	DUNCAN STREET	MALABAR ROAD	MAXWELL AVENUE	PROFILE & RESHEET	30	2419	\$46,445.00
2017	RD272A	ENDEAVOUR AVENUE	ANZAC PARADE	GOORAWAHL AVENUE	PROFILE & RESHEET	30	4743	\$91,066.00
2017	RD288B	FEWINGS STREET	GREVILLE STREET	SUSAN LANE	PROFILE & RESHEET	40	911.4	\$21,864.00
2017	RD306B	FRANCES STREET	CHURCH STREET	COOK STREET	PROFILE & RESHEET	40	911.6	\$23,347.00
2017	RD357C	HARBOURNE ROAD	MEEKS STREET	RAINBOW STREET	PROFILE & RESHEET	40	960	\$24,576.00
2017	RD393C	HOWARD STREET	PEROUSE ROAD	DUDLEY STREET	PROFILE & RESHEET	40	4680	\$119,808.00
2017	RD398A	HUME STREET	BURKE STREET	MITCHELL STREET	PROFILE & RESHEET	30	2175.6	\$41,779.00
2017	RD405A	STRICKLAND AVENUE	BEAUCHAMP ROAD	THE END	PROFILE & RESHEET	30	265	\$4,770.00
2017	RD415A	JENNIFER STREET	ANZAC PARADE	RESERVOIR STREET	PROFILE & RESHEET	30	2845.4	\$54,624.00
2017	RD423A	JUDGE STREET	COOGEE BAY ROAD	THE END	PROFILE & RESHEET	40	1969.8	\$50,432.00
2017	RD436A	AMIENS WAY	PERRONNE WAY	THE END	PROFILE & RESHEET	30	122	\$2,196.00
2017	RD447A	KNOX STREET	CLOVELLY ROAD	GREVILLE STREET	PROFILE & RESHEET	50	1771.6	\$56,704.00
2017	RD450A	ARMENTTIERES WAY	COMBLES PARADE	THE END	PROFILE & RESHEET	30	120	\$2,160.00
2017	RD451A	KURRAWA AVENUE	CARR STREET	PAUL LANE	PROFILE & RESHEET	50	1647	\$49,410.00
2017	RD452A	SOMME WAY	ANZAC PARADE	THE END	PROFILE & RESHEET	30	120	\$2,160.00

2017	RD463A	LEONARD AVENUE	EDWARD AVENUE	BORRODALE ROAD	PROFILE & RESHEET	40	1932	\$49,459.00
2017	RD478A	LORNE AVENUE	ROMA AVENUE	THE END	PROFILE & RESHEET	40	2040	\$52,224.00
2017	RD480A	LUCAS AVENUE	AUSTRAL STREET	BILGA CRESCENT	PROFILE & RESHEET	30	3426.2	\$65,779.00
2017	RD485A	MCIVOR PLACE	RODMAN AVENUE	THE END	PROFILE & RESHEET	30	992.2	\$17,856.00
2017	RD497A	MANWARING AVENUE	BROOME STREET	THE END	PROFILE & RESHEET	30	1623.6	\$29,232.00
2017	RD500A	MARINE PARADE	THE END	INMAN STREET	PROFILE & RESHEET	30	413	\$7,930.00
2017	RD505A	MARVILLE AVENUE	BOTANY STREET	WALENORE AVENUE	PROFILE & RESHEET	50	1404	\$44,928.00
2017	RD511A	MEARS AVENUE	AVOCA STREET	ADA STREET	PROFILE & RESHEET	40	2349.5	\$60,134.00
2017	RD516A	MELODY STREET	CARR STREET	THE END	PROFILE & RESHEET	45	440	\$11,880.00
2017	RD518A	MELROSE PARADE	TOWER STREET	THE END	PROFILE & RESHEET	50	2092.2	\$62,760.00
2017	RD529D	MILROY AVENUE	LENTHALL STREET	THE END	PROFILE & RESHEET	40	1842.2	\$47,155.00
2017	RD530A	MINNEAPOLIS CRESCENT	YORKTOWN PARADE	LEXINGTON PLACE	PROFILE & RESHEET	40	1260	\$32,256.00
2017	RD540A	MADANG WAY	RABAU WAY	THE END	PROFILE & RESHEET	30	120	\$2,160.00
2017	RD561A	NELSON STREET	HOWARD STREET	IVY STREET	PROFILE & RESHEET	30	862.4	\$15,516.00
2017	RD581D	OBERON STREET	BROOK STREET	MOUNT STREET	PROFILE & RESHEET	30	2665.6	\$51,187.00
2017	RD583A	OCEAN STREET	BOUNDARY STREET	EASTBOURNE AVENUE	PROFILE & RESHEET	40	2790	\$71,424.00
2017	RD594A	OXLEY STREET	KAIN AVENUE	HILLARY PARADE	PROFILE & RESHEET	40	882	\$22,579.00

2017	RD594B	OXLEY STREET	HILLARY PARADE	LAWSON STREET	PROFILE & RESHEET	50	1440	\$46,080.00
2017	RD608A	PAULING AVENUE	RITCHARD AVENUE	ALISON ROAD	PROFILE & RESHEET	40	2117	\$54,195.00
2017	RD614A	PETERS PLACE	RODMAN AVENUE	THE END	PROFILE & RESHEET	30	1000.4	\$18,000.00
2017	RD625A	POZIERES AVENUE	KNOWLES AVENUE	MENIN ROAD	PROFILE & RESHEET	30	3452.4	\$66,278.00
2017	RD662A	SCOTT STREET	BROOME STREET	MALABAR ROAD	PROFILE & RESHEET	30	1748	\$33,562.00
2017	RD675A	SHERWOOD STREET	BALFOUR ROAD	THE END	PROFILE & RESHEET	30	475.8	\$9,139.00
2017	RD692B	STEWART AVENUE	MILNE AVENUE	DAUNT AVENUE	PROFILE & RESHEET	30	921.6	\$17,702.00
2017	RD694C	STOREY STREET	ANZAC PARADE	LOCH MAREE STREET	PROFILE & RESHEET	30	1467	\$28,166.00
2017	RD694H	STOREY STREET	AMOUR AVENUE	MALABAR ROAD	PROFILE & RESHEET	30	4977.6	\$95,578.00
2017	RD699C	STURT STREET	BOTANY STREET	PATON STREET	PROFILE & RESHEET	30	2100	\$40,320.00
2017	RD705B	ST MARKS ROAD	THE END	FRENCHMANS ROAD	PROFILE & RESHEET	40	7424	\$190,054.00
2017	RD718A	THE CORSO	DUNCAN STREET	MARINE PARADE	PROFILE & RESHEET	30	3724	\$71,501.00
2017	RD772A	WILLIS STREET	OVAL LANE	BARKER STREET	PROFILE & RESHEET	40	1738.1	\$44,493.00
2017	RD772B	WILLIS STREET	BARKER STREET	MIDDLE STREET	PROFILE & RESHEET	40	1001	\$25,626.00
2017	RD806B	GALVIN STREET	FLOWER STREET	MULGRAY AVENUE	PROFILE & RESHEET	50	385	\$11,550.00
2017	RD822A	FISHERMAN'S ROAD	DACRE STREET	THE END	PROFILE & RESHEET	30	2950.4	\$53,100.00
Total								\$3,231,951.00
2018	RD009B	ADINA AVENUE	CANARA AVENUE	ELAROO AVENUE	PROFILE & RESHEET	30	1564	\$28,152.00

2018	RD024B	ALMA ROAD	GARDEN STREET	COOPER STREET	PROFILE & RESHEET	30	2288	\$41,184.00
2018	RD026B	BROMPTON ROAD	BROMPTON ROAD	BLACK LION PLACE	PROFILE & RESHEET	50	440	\$13,200.00
2018	RD026C	BROMPTON ROAD	BLACK LION PLACE	THE SERPENTINE	PROFILE & RESHEET	40	960	\$23,040.00
2018	RD028B	ANDERSON STREET	HAYWARD STREET	APSLEY AVENUE	PROFILE & RESHEET	40	1132.2	\$28,979.00
2018	RD039A	ARTHUR STREET	WANSEY ROAD	BOTANY STREET	PROFILE & RESHEET	40	2132	\$54,579.00
2018	RD064A	BASS STREET	ANZAC PARADE	STURT STREET	PROFILE & RESHEET	40	2912	\$74,547.00
2018	RD091A	BLIGH PLACE	CLOVELLY ROAD	THE END	PROFILE & RESHEET	40	1296	\$31,104.00
2018	RD095A	BONA VISTA AVENUE	SACKVILLE STREET	BOND STREET	PROFILE & RESHEET	40	1395	\$35,712.00
2018	RD120B	BROOME STREET	BROWN ROAD	THE END	PROFILE & RESHEET	30	7943	\$152,506.00
2018	RD129B	BUNDOCK LANE	HENDY AVENUE	ELLEN STREET	PROFILE & RESHEET	30	700.9	\$12,618.00
2018	RD141A	BYRNE AVENUE	MOVERLY ROAD	JOHNSTON PARADE	PROFILE & RESHEET	30	1396.2	\$26,803.00
2018	RD143A	BYRON STREET	THE END	DUDLEY STREET	PROFILE & RESHEET	40	1818.9	\$43,656.00
2018	RD143C	BYRON STREET	CARR STREET	COOGEE BAY ROAD	PROFILE & RESHEET	40	2838	\$72,653.00
2018	RD158A	CARNEGIE CIRCUIT - WEST	WARBURTON STREET	DAMPIER STREET	PROFILE & RESHEET	30	1786.4	\$32,148.00
2018	RD174A	CHELMSFORD AVENUE	DAVIDSON CRESCENT	CHELMSFORD AVENUE	PROFILE & RESHEET	30	1764	\$31,752.00
2018	RD177A	CHICAGO AVENUE	MINNEAPOLIS CRESCENT	PORTLAND CRESCENT	PROFILE & RESHEET	30	2408	\$46,234.00
2018	RD181A	CLARA STREET	HIGH STREET	ARTHUR STREET	PROFILE & RESHEET	30	1963	\$37,690.00

2018	RD191C	CLOVELLY ROAD	AVOCA STREET	FRENCHMANS ROAD	PROFILE & RESHEET	30	6687.5	\$128,410.00
2018	RD203A	COURLAND STREET	DOLPHIN STREET	COOGEE STREET	PROFILE & RESHEET	30	568	\$10,906.00
2018	RD215A	DAINTREY CRESCENT	ST PAULS STREET	ST PAULS STREET	PROFILE & RESHEET	40	1529	\$36,696.00
2018	RD238C	DOLPHIN STREET	BROOK STREET	MOUNT STREET	PROFILE & RESHEET	40	2808	\$71,885.00
2018	RD252A	JACARANDA PLACE	ELPHINSTONE ROAD	THE END SOUTH	PROFILE & RESHEET	50	2300	\$69,000.00
2018	RD252B	JACARANDA PLACE	JACARANDA PLACE	THE END NORTH	PROFILE & RESHEET	50	1300	\$39,000.00
2018	RD255B	DUTRUC STREET	RAE STREET	CHAPEL STREET	PROFILE & RESHEET	30	3840	\$73,728.00
2018	RD265A	EDWARD AVENUE	DAY LANE	COTTENHAM AVENUE	PROFILE & RESHEET	40	2027.6	\$51,917.00
2018	RD273A	ETHEL STREET	HENRY STREET	HOWARD STREET	PROFILE & RESHEET	40	1490.4	\$35,760.00
2018	RD287A	ARGYLE CRESCENT	HENNING AVENUE	THE END	PROFILE & RESHEET	40	2016	\$48,384.00
2018	RD306D	FRANCES STREET	THE AVENUE	AVOCA STREET	PROFILE & RESHEET	40	2560	\$65,536.00
2018	RD316A	GALE ROAD	BUNNERONG ROAD	ROYAL STREET	PROFILE & RESHEET	40	2184	\$55,910.00
2018	RD318F	GARDEN STREET	BOYCE ROAD	GREEN STREET	PROFILE & RESHEET	40	836.4	\$21,402.00
2018	RD320A	CEDAR PLACE	ARGYLE CRESCENT	THE END	PROFILE & RESHEET	40	1134	\$27,216.00
2018	RD332A	GLENWOOD AVENUE	DOLPHIN STREET	THE END	PROFILE & RESHEET	50	907.2	\$27,210.00
2018	RD346C	GREVILLE STREET	KNOX STREET	ARDEN STREET	PROFILE & RESHEET	50	2496	\$79,872.00
2018	RD353A	HAMEL ROAD	COMBLES PARADE	MENIN ROAD	PROFILE & RESHEET	30	1184	\$22,733.00

2018	RD367B	HAYWARD STREET	JACQUES STREET	ANDERSON STREET	PROFILE & RESHEET	40	533	\$12,792.00
2018	RD371C	HENDY AVENUE	BUNDOCK STREET	RAINBOW STREET	PROFILE & RESHEET	50	1205.6	\$38,592.00
2018	RD371D	HENDY AVENUE	RAINBOW STREET	OBERON STREET	PROFILE & RESHEET	40	1346.4	\$34,458.00
2018	RD383A	HODGSON STREET	COWPER STREET	THE END	PROFILE & RESHEET	30	706.8	\$12,726.00
2018	RD439B	KENSINGTON ROAD	DUKE STREET	TODMAN AVENUE	PROFILE & RESHEET	40	1386	\$35,482.00
2018	RD448B	KOORINDA AVENUE	COTTENHAM AVENUE	MOORAMIE AVENUE	PROFILE & RESHEET	40	1340	\$34,304.00
2018	RD454A	LANCASTER CRESCENT	BOTANY STREET	THE END	PROFILE & RESHEET	40	1273	\$32,589.00
2018	RD457A	LASSETER AVENUE	MACQUARIE STREET	LITTLE BAY ROAD	PROFILE & RESHEET	30	4448	\$85,402.00
2018	RD459A	LEE STREET	HOWARD STREET	ST PAULS STREET	PROFILE & RESHEET	40	860.2	\$20,640.00
2018	RD462C	LENTHALL STREET	MILROY AVENUE	TODMAN AVENUE	PROFILE & RESHEET	40	1469	\$37,606.00
2018	RD475A	LLANFOYST STREET	ALBERT STREET	THE END	PROFILE & RESHEET	30	264.6	\$4,770.00
2018	RD491C	MACQUARIE STREET	MITCHELL STREET	THE END	PROFILE & RESHEET	40	240	\$6,144.00
2018	RD495J	MALABAR ROAD	BEAUCHAMP ROAD	THE END	PROFILE & RESHEET	30	2563.6	\$46,152.00
2018	RD496A	MANSON PLACE	SIMEON STREET	KNOX STREET	PROFILE & RESHEET	30	613.8	\$11,052.00
2018	RD498A	MARCEL AVENUE	CARRINGTON ROAD	MOUNT STREET	PROFILE & RESHEET	40	2368	\$60,621.00
2018	RD499A	MARIAN STREET	RAINBOW STREET	THE END	PROFILE & RESHEET	40	1213.6	\$29,136.00
2018	RD501A	MARJORIE CRESCENT	THE END	STOREY STREET	PROFILE & RESHEET	40	951.4	\$22,824.00

2018	RD523G	MIDDLE STREET	JANE STREET	YOUNG STREET	PROFILE & RESHEET	40	380	\$9,728.00
2018	RD546C	MOUNT STREET	DUDLEY STREET	CARR STREET	PROFILE & RESHEET	30	2173.6	\$41,741.00
2018	RD560A	NAPPER STREET	DENNING STREET	MALABAR ROAD	PROFILE & RESHEET	40	1288	\$32,973.00
2018	RD563A	NEPTUNE STREET	WOLSELEY ROAD	BEACH STREET	PROFILE & RESHEET	30	2784.6	\$53,472.00
2018	RD581G	OBERON STREET	CANBERRA STREET	AVOCA STREET	PROFILE & RESHEET	40	4963.2	\$127,053.00
2018	RD589A	OSPREY COURT	PORTLAND CRESCENT	THE END	PROFILE & RESHEET	30	259.2	\$4,662.00
2018	RD591A	OSWALD STREET	COURLAND STREET	CLYDE STREET	PROFILE & RESHEET	40	2310	\$55,440.00
2018	RD602B	PARK STREET	SURFSIDE AVENUE	THE END	PROFILE & RESHEET	50	939.4	\$28,170.00
2018	RD612D	PEROUSE ROAD	ST PAULS STREET	COOGEE BAY ROAD	PROFILE & RESHEET	40	3872	\$99,123.00
2018	RD652A	RON FILBEE PLACE	LURLINE STREET	THE END	PROFILE & RESHEET	30	288.6	\$5,202.00
2018	RD654A	ROSCREA AVENUE	FRENCHMANS ROAD	GILDERTHORPE AVENUE	PROFILE & RESHEET	40	2304	\$58,982.00
2018	RD658A	RUSSELL COURT	PORTLAND CRESCENT	THE END	PROFILE & RESHEET	30	221.4	\$3,978.00
2018	RD659A	RYAN AVENUE	CANTRILL AVENUE	THE END	PROFILE & RESHEET	30	1036	\$18,648.00
2018	RD672A	SHARP STREET	JERSEY ROAD	BEAUCHAMP ROAD	PROFILE & RESHEET	30	1316	\$25,267.00
2018	RD677A	SHORT STREET	AVOCA STREET	BELMORE ROAD	PROFILE & RESHEET	30	540	\$10,368.00
2018	RD681A	SMITH STREET	FISCHER STREET	SNAPE STREET	PROFILE & RESHEET	50	1239	\$37,170.00
2018	RD690A	STEPHEN STREET	WENTWORTH STREET	CHEPSTOW STREET	PROFILE & RESHEET	40	3360.4	\$86,016.00

2018	RD717A	THE CAUSEWAY	TORRINGTON ROAD	FIRST AVENUE	PROFILE & RESHEET	30	2756	\$52,915.00
2018	RD719A	THOMAS STREET	BYRON STREET	HIGGS STREET	PROFILE & RESHEET	50	665.6	\$19,980.00
2018	RD730B	TRESSIDDER AVENUE	EASTERN AVENUE	COTTENHAM AVENUE	PROFILE & RESHEET	40	721.6	\$18,483.00
2018	RD742A	VICTORIA STREET	ALBERT STREET	ALISON ROAD	PROFILE & RESHEET	30	896	\$16,128.00
2018	RD743A	VICTORIA STREET	HOWE STREET	NAPIER STREET	PROFILE & RESHEET	30	1488	\$28,570.00
2018	RD751B	WALLACE STREET	WIDTH CHANGE	ANZAC PARADE	PROFILE & RESHEET	30	2763.6	\$53,069.00
2018	RD757A	WARBURTON STREET	BRISBANE STREET	DAMPIER STREET	PROFILE & RESHEET	30	1967	\$37,766.00
2018	RD772D	WILLIS STREET	MEEKS STREET	RAINBOW STREET	PROFILE & RESHEET	40	1456	\$37,274.00
2018	RD774A	WILLS AVENUE	MACQUARIE STREET	FORREST STREET	PROFILE & RESHEET	40	1376	\$35,226.00
2018	RD784A	WOOD STREET	RAE STREET	EULALIE AVENUE	PROFILE & RESHEET	40	1286.4	\$30,864.00
2018	RD794A	YOUNG STREET	BARKER STREET	THE END	PROFILE & RESHEET	40	2002	\$48,048.00
2018	RD809C	MASON STREET	HANNAN STREET	ANZAC PARADE	PROFILE & RESHEET	30	1302	\$23,436.00
2018	RD817B	GREEN STREET	GARDEN STREET	COOPER STREET	PROFILE & RESHEET	40	2128	\$54,477.00
2018	RD844A	WOLI PLACE	BILGA CRESCENT	THE END	PROFILE & RESHEET	40	492	\$11,808.00
2018	RD874A	MESSINES PLACE	ANZAC PARADE	THE END	PROFILE & RESHEET	30	175	\$3,150.00
2018	RD980B	MARIDA STREET	HENDY AVENUE	MUNDA STREET	PROFILE & RESHEET	50	739.2	\$22,170.00
							Total	\$3,368,769.00
2019	RD004A	ABBOT STREET	MOUNT STREET	MELODY STREET	PROFILE & RESHEET	40	1932	\$46,368.00

2019	RD009A	ADINA AVENUE	YARRA ROAD	CANARA AVENUE	PROFILE & RESHEET	30	2340	\$42,120.00
2019	RD012A	AINSLIE STREET	PATON STREET	AVOCA STREET	PROFILE & RESHEET	40	1600	\$38,400.00
2019	RD014A	ALBI PLACE	JUDGE STREET	THE END	PROFILE & RESHEET	30	499.2	\$8,982.00
2019	RD050A	BADEN STREET	BEACH STREET	PARK AREA	PROFILE & RESHEET	40	1180.8	\$28,344.00
2019	RD063A	BARRY STREET	CLOVELLY ROAD	GREVILLE STREET	PROFILE & RESHEET	40	1803.2	\$46,157.00
2019	RD073A	BEDFORD PLACE	DENNING STREET	MALABAR ROAD	PROFILE & RESHEET	30	515.2	\$9,270.00
2019	RD087A	BISHOPS AVENUE	CLOVELLY ROAD	DOUGLAS STREET	PROFILE & RESHEET	40	4440	\$113,664.00
2019	RD104B	BOUNDARY STREET	WINCHESTER ROAD	ST THOMAS STREET	PROFILE & RESHEET	30	2457.6	\$47,194.00
2019	RD042B	ASHER STREET	HAVELOCK AVENUE	DUDLEY STREET	PROFILE & RESHEET	30	214.5	\$3,870.00
2019	RD096A	BOND STREET	MARINE PARADE	BONA VISTA AVENUE	PROFILE & RESHEET	40	2002	\$51,251.00
2019	RD113D	BREAM STREET	MOUNT STREET	MELODY STREET	PROFILE & RESHEET	30	1440	\$27,648.00
2019	RD132A	BURBONG STREET	ANZAC PARADE	AVOCA STREET	PROFILE & RESHEET	40	1228.5	\$31,462.00
2019	RD135A	BURTON STREET	PRINCE STREET	CHURCH STREET	PROFILE & RESHEET	40	2298.7	\$58,854.00
2019	RD140B	BYRD AVENUE	MCNAIR AVENUE	THE END SOUTH	PROFILE & RESHEET	30	230	\$4,140.00
2019	RD143B	BYRON STREET	DUDLEY STREET	CARR STREET	PROFILE & RESHEET	40	2554.2	\$65,382.00
2019	RD146B	CALEY STREET	BURKE STREET	EYRE STREET	PROFILE & RESHEET	30	1386	\$26,611.00
2019	RD147A	CALGA AVENUE	BILGA CRESCENT	BILGA CRESCENT	PROFILE & RESHEET	30	2102.1	\$40,358.00

2019	RD158B	CARNEGIE CIRCUIT - EAST	DAMPIER STREET	WARBURTON STREET	PROFILE & RESHEET	35	1832.6	\$38,493.00
2019	RD164A	CASTLE STREET	STEPHEN STREET	CHALLIS LANE	PROFILE & RESHEET	30	1592.5	\$28,674.00
2019	RD171A	CHAPMAN AVENUE	FENTON AVENUE	MAXWELL AVENUE	PROFILE & RESHEET	30	1386	\$26,611.00
2019	RD173A	CHATHAM STREET	CARRINGTON ROAD	ST LUKE STREET	PROFILE & RESHEET	40	1768.8	\$45,286.00
2019	RD195A	COMBLES PARADE	MENIN ROAD	DAUNT AVENUE	PROFILE & RESHEET	40	2849	\$72,934.00
2019	RD211A	CURTIN CRESCENT	BROOME STREET	BROOME STREET	PROFILE & RESHEET	30	2542	\$45,756.00
2019	RD229A	DENNING STREET	RAINBOW STREET	EVELYN STREET	PROFILE & RESHEET	30	1839.6	\$35,328.00
2019	RD244A	DORAN STREET	DONCASTER AVENUE	DAY LANE	PROFILE & RESHEET	40	986	\$23,664.00
2019	RD249B	DUDLEY STREET	ARDEN STREET	BROOK STREET	PROFILE & RESHEET	40	2604	\$66,662.00
2019	RD256C	DWYER AVENUE	RESERVOIR STREET	GIPPS AVENUE	PROFILE & RESHEET	40	966	\$24,730.00
2019	RD260A	EASTERN AVENUE	KOORINDA AVENUE	DAY AVENUE	PROFILE & RESHEET	30	1462	\$28,070.00
2019	RD274A	ETHNE AVENUE	MARKET STREET	THE END	PROFILE & RESHEET	30	1345.2	\$24,210.00
2019	RD277A	EURIMBLA AVENUE	HIGH STREET	THE END	PROFILE & RESHEET	30	2951	\$53,118.00
2019	RD289A	FIGTREE AVENUE	PINE STREET	THE END	PROFILE & RESHEET	40	1648.2	\$39,552.00
2019	RD302A	FORREST STREET	EYRE STREET	ANZAC PARADE	PROFILE & RESHEET	45	4059	\$116,899.00
2019	RD308D	FRANKLIN STREET	BARWON CRESCENT	THE END	PROFILE & RESHEET	30	1120	\$20,160.00
2019	RD316G	GALE ROAD	FLOWER STREET	BELL STREET	PROFILE & RESHEET	30	2234.4	\$42,893.00

2019	RD325A	GEORGE STREET	ALBERT STREET	ALISON ROAD	PROFILE & RESHEET	30	1183.2	\$21,294.00
2019	RD327A	GILES STREET	MACQUARIE STREET	THE END	PROFILE & RESHEET	30	928	\$16,704.00
2019	RD337A	GOORAWAHL AVENUE	ANZAC PARADE	ANZAC PARADE	PROFILE & RESHEET	40	1600	\$40,960.00
2019	RD340A	GOVETT STREET	DANGAR STREET	DARLEY ROAD	PROFILE & RESHEET	40	3456	\$88,474.00
2019	RD346A	GREVILLE STREET	BISHOPS AVENUE	FERN STREET	PROFILE & RESHEET	40	1209	\$30,950.00
2019	RD346B	GREVILLE STREET	FERN STREET	KNOX STREET	PROFILE & RESHEET	40	3341	\$85,530.00
2019	RD347A	GROSE STREET	ANZAC PARADE	RESERVOIR STREET	PROFILE & RESHEET	45	4050	\$116,640.00
2019	RD368A	HEATH STREET	GRAY STREET	THE END	PROFILE & RESHEET	30	345.6	\$6,228.00
2019	RD377D	HIGH STREET	BOTANY STREET	AVOCA STREET	PROFILE & RESHEET	30	5460	\$104,832.00
2019	RD393B	HOWARD STREET	TITANIA STREET	PEROUSE ROAD	PROFILE & RESHEET	40	3705	\$94,848.00
2019	RD400A	HURLEY CRESCENT	WILKES AVENUE	THE END	PROFILE & RESHEET	30	1026	\$18,468.00
2019	RD402A	ILUKA PLACE	ELPHINSTONE ROAD	THE END	PROFILE & RESHEET	50	1122.7	\$33,690.00
2019	RD439C	KENSINGTON ROAD	TODMAN AVENUE	ADDISON STREET	PROFILE & RESHEET	40	2646	\$67,738.00
2019	RD444A	KINGSFORD STREET	HINKLER STREET	COBHAM STREET	PROFILE & RESHEET	30	1394	\$26,765.00
2019	RD444B	KINGSFORD STREET	COBHAM STREET	BUNNERONG ROAD	PROFILE & RESHEET	30	902	\$17,318.00
2019	RD449B	KOORINGAI AVENUE	KOORINGAI AVENUE	THE END	PROFILE & RESHEET	40	810	\$19,440.00
2019	RD483B	MCDUGALL STREET	LENTHALL STREET	THE END	PROFILE & RESHEET	30	202.5	\$3,636.00

2019	RD491A	MACQUARIE STREET	MITCHELL STREET	FORREST STREET	PROFILE & RESHEET	30	3657.2	\$70,214.00
2019	RD507A	MAUD STREET	BARKER STREET	HAY STREET	PROFILE & RESHEET	30	576	\$10,368.00
2019	RD513D	MEEKS STREET	WILLIS STREET	KENNEDY STREET	PROFILE & RESHEET	40	1659.2	\$42,470.00
2019	RD535A	MOLLOY AVENUE	FOWLER CRESENT	TUCABIA STREET	PROFILE & RESHEET	50	1025	\$32,800.00
2019	RD539A	MOORAMIE AVENUE	BARKER STREET	DAY AVENUE	PROFILE & RESHEET	40	2024.4	\$51,814.00
2019	RD601A	PARK AVENUE	GILDERTHORPE AVENUE	PINE STREET	PROFILE & RESHEET	40	2986.8	\$76,467.00
2019	RD602A	PARK STREET	BOUNDARY STREET	SURFSIDE AVENUE	PROFILE & RESHEET	40	1964.2	\$50,278.00
2019	RD605A	PARTANNA AVENUE	BUNNERONG ROAD	THE END	PROFILE & RESHEET	30	3354	\$60,372.00
2019	RD628C	PRINCE EDWARD STREET	RAGLAN STREET	NAPIER STREET	PROFILE & RESHEET	30	2886.6	\$55,430.00
2019	RD634A	RAGLAN STREET	AUSTRAL STREET	PRINCE EDWARD STREET	PROFILE & RESHEET	40	1746.6	\$44,723.00
2019	RD664A	SEARLE AVENUE	FRENCHMANS ROAD	CLOVELLY ROAD	PROFILE & RESHEET	40	1759.6	\$45,056.00
2019	RD665A	SEASIDE PARADE	LIGURIA STREET	THE END	PROFILE & RESHEET	30	1252.8	\$22,554.00
2019	RD674A	SHEPHERD STREET	EVERETT STREET	ANZAC PARADE	PROFILE & RESHEET	40	958.8	\$24,550.00
2019	RD679A	SIMEON STREET	DOUGLAS STREET	MANSON PLACE	PROFILE & RESHEET	40	884.4	\$21,216.00
2019	RD685A	SOUDAN STREET	AVOCA STREET	PEROUSE ROAD	PROFILE & RESHEET	40	1817.2	\$46,515.00
2019	RD694B	STOREY STREET	HANNAN STREET	ANZAC PARADE	PROFILE & RESHEET	40	2172.6	\$55,629.00
2019	RD705A	ST MARKS ROAD	OSWALD STREET	ALISON ROAD	PROFILE & RESHEET	40	2176	\$55,706.00

2019	RD707B	ST PAULS STREET	PEROUSE ROAD	DUDLEY STREET	PROFILE & RESHEET	40	4668	\$119,501.00
2019	RD732B	TUCABIA STREET	MACLEAY STREET	JOHNSTON PARADE	PROFILE & RESHEET	35	2394.4	\$53,626.00
2019	RD760B	WASSELL STREET	BURKE STREET	THE END	PROFILE & RESHEET	30	3542.4	\$68,006.00
2019	RD771A	WILLIAM STREET	COWPER STREET	KING STREET	PROFILE & RESHEET	40	4525.4	\$115,840.00
2019	RD811A	METCALFE STREET	GARDEN STREET	COOPER STREET	PROFILE & RESHEET	30	897	\$16,146.00
2019	RD839A	PILLARS PLACE	PETERSON STREET	THE END	PROFILE & RESHEET	30	1013.8	\$18,252.00
2019	RD953A	GILDERTHORPE AVENUE	CLOVELLY ROAD	FRENCHMANS ROAD	PROFILE & RESHEET	30	5760	\$110,592.00
2019	RD991A	MAYO STREET	PAVILLION DRIVE	JENNER STREET	PROFILE & RESHEET	30	1140	\$20,520.00
							Total	\$3,505,275.00
2020	RD001A	ABBEY STREET	ALISON ROAD	FRANCES STREET	PROFILE & RESHEET	40	2303	\$55,272.00
2020	RD025A	ABBE RECEVEUR PLACE	GROSE STREET	THE END	PROFILE & RESHEET	30	1278	\$23,004.00
2020	RD030A	ANTHONY STREET	JERSEY ROAD	ANTHONY LANE	PROFILE & RESHEET	30	560	\$10,080.00
2020	RD026D	BROMPTON ROAD	THE SERPENTINE	YORK PLACE	PROFILE & RESHEET	30	3640	\$65,520.00
2020	RD026E	BROMPTON ROAD	YORK PLACE	BROMPTON ROAD	PROFILE & RESHEET	30	880	\$15,840.00
2020	RD036A	BLACK LION PLACE	BROMPTON ROAD	THE END	PROFILE & RESHEET	30	166	\$2,988.00
2020	RD057A	THE SERPENTINE	BROMPTON ROAD	BROMPTON ROAD	PROFILE & RESHEET	40	1740	\$41,760.00
2020	RD059A	YORK PLACE	THE SERPENTINE	THE END	PROFILE & RESHEET	40	660	\$15,840.00
2020	RD074A	BEGA AVENUE	WOOMERA ROAD	MIRRABOOKA CRESCENT	PROFILE & RESHEET	30	495	\$8,910.00

2020	RD098A	BORONIA STREET	DUKE STREET	ANZAC PARADE	PROFILE & RESHEET	40	6490	\$166,144.00
2020	RD1019A	MEYLER CLOSE	EWING AVENUE	EWING AVENUE	PROFILE & RESHEET	40	1320	\$15,840.00
2020	RD113C	BREAM STREET	BROOK STREET	MOUNT STREET	PROFILE & RESHEET	30	1420.8	\$27,283.00
2020	RD113E	BREAM STREET	MELODY STREET	CARRINGTON ROAD	PROFILE & RESHEET	30	838.4	\$16,090.00
2020	RD140A	BYRD AVENUE	THE END NORTH	MCNAIR AVENUE	PROFILE & RESHEET	30	253	\$4,554.00
2020	RD147B	CALGA AVENUE	BILGA CRESCENT	THE END	PROFILE & RESHEET	30	536.9	\$9,666.00
2020	RD193A	COBHAM STREET	WILD STREET	KINGSFORD STREET	PROFILE & RESHEET	40	630	\$16,128.00
2020	RD199B	COOK STREET	FRANCES STREET	COWPER STREET	PROFILE & RESHEET	40	2176	\$55,706.00
2020	RD213A	CUZCO STREET	DENNING STREET	THE END	PROFILE & RESHEET	30	2284.8	\$41,130.00
2020	RD219A	DAN AVENUE	BROOME STREET	THE END	PROFILE & RESHEET	30	864.9	\$15,570.00
2020	RD225A	DAVIDSON CRESCENT	BEAUCHAMP ROAD	MALABAR ROAD	PROFILE & RESHEET	40	2509	\$64,230.00
2020	RD233A	DINE STREET	ST PAULS STREET	BARKER STREET	PROFILE & RESHEET	40	1287	\$32,947.00
2020	RD239A	HOWARD PLACE	HOWARD STREET	THE END	RECONSTRUCTION AC	105	300	\$17,640.00
2020	RD240F	DONCASTER AVENUE	BORRODALE ROAD	EDWARD AVENUE	PROFILE & RESHEET	30	2318.4	\$44,506.00
2020	RD250D	DUKE STREET	BORONIA STREET	ANZAC PARADE	PROFILE & RESHEET	50	800	\$24,000.00
2020	RD256B	DWYER AVENUE	BUDD AVENUE	RESERVOIR STREET	PROFILE & RESHEET	30	2327.6	\$44,698.00
2020	RD263A	EDGECLIFFE AVENUE	MALABAR ROAD	SEASIDE PARADE	PROFILE & RESHEET	30	2322	\$44,582.00

2020	RD297B	FLOOD STREET	CLOVELLY ROAD	BATTERY STREET	PROFILE & RESHEET	50	910.2	\$29,120.00
2020	RD301A	FORD ROAD	BROOME STREET	THE END	PROFILE & RESHEET	30	1464	\$26,352.00
2020	RD308E	FRANKLIN STREET	LAWSON STREET	THE END	PROFILE & RESHEET	30	633.6	\$11,412.00
2020	RD316E	GALE ROAD	GARDEN STREET	COOPER STREET	PROFILE & RESHEET	30	2167.2	\$41,606.00
2020	RD318I	GARDEN STREET	HOLMES STREET	THE END	PROFILE & RESHEET	40	430	\$11,008.00
2020	RD326A	GREVILLEA PLACE	CEDAR PLACE	THE END	PROFILE & RESHEET	30	620	\$11,160.00
2020	RD333A	GOODRICH AVENUE	TUNSTALL AVENUE	EASTERN AVENUE	PROFILE & RESHEET	40	2107	\$53,939.00
2020	RD350A	HAIG STREET	ANZAC PARADE	MONS AVENUE	PROFILE & RESHEET	30	3116.4	\$59,827.00
2020	RD377C	HIGH STREET	WANSEY ROAD	BOTANY STREET	PROFILE & RESHEET	30	2183	\$41,914.00
2020	RD385A	HOLKAM AVENUE	PRINCE STREET	THE END	PROFILE & RESHEET	30	320	\$5,760.00
2020	RD407C	IRETON STREET	VICTORIA STREET	DACRE STREET	PROFILE & RESHEET	40	974.4	\$24,934.00
2020	RD419A	JOHN STREET	ALISON ROAD	KING STREET	PROFILE & RESHEET	40	710.4	\$18,176.00
2020	RD425A	KAIN AVENUE	THE END	ANZAC PARADE	PROFILE & RESHEET	30	2410.8	\$46,291.00
2020	RD430A	KEITH STREET	BOUNDARY STREET	CLOVELLY ROAD	PROFILE & RESHEET	30	2552	\$48,998.00
2020	RD458B	LAWSON STREET	FINUCANE CRESCENT	OXLEY STREET	PROFILE & RESHEET	40	3626	\$92,826.00
2020	RD458C	LAWSON STREET	OXLEY STREET	ANZAC PARADE	PROFILE & RESHEET	40	1463	\$37,453.00
2020	RD461A	BULLECOURT WAY	LONE PINE PARADE	THE END	PROFILE & RESHEET	30	120	\$2,160.00

2020	RD466A	LIGURIA STREET	MALABAR ROAD	THE END	PROFILE & RESHEET	30	1898.4	\$34,164.00
2020	RD508A	MAWSON PARADE	FORREST STREET	NYAN STREET	PROFILE & RESHEET	30	4303.2	\$82,618.00
2020	RD516E	MELODY STREET	BREAM STREET	ALISON ROAD	PROFILE & RESHEET	30	3289.5	\$59,202.00
2020	RD527A	MILITARY ROAD	BUMBORAH POINT ROAD	BUNNERONG ROAD	PROFILE & RESHEET	40	19368	\$495,821.00
2020	RD537D	MONS AVENUE	MALABAR ROAD	MARINE PARADE	PROFILE & RESHEET	30	4372.2	\$83,942.00
2020	RD539B	MOORAMIE AVENUE	DAY AVENUE	KOORINDA AVENUE	PROFILE & RESHEET	40	2427.8	\$62,157.00
2020	RD539C	MOORAMIE AVENUE	KOORINDA AVENUE	ROMA AVENUE	PROFILE & RESHEET	30	2659.6	\$51,072.00
2020	RD546D	MOUNT STREET	CARR STREET	COOGEE BAY ROAD	PROFILE & RESHEET	40	2163.2	\$55,373.00
2020	RD546E	MOUNT STREET	COOGEE BAY ROAD	DOLPHIN STREET	PROFILE & RESHEET	40	2392	\$61,235.00
2020	RD549A	MULGRAY AVENUE	GALVIN STREET	BOYCE ROAD	PROFILE & RESHEET	40	307.1	\$7,368.00
2020	RD551B	MUNDARRAH STREET	CLOVELLY ROAD	BURNIE STREET	PROFILE & RESHEET	30	719.8	\$13,824.00
2020	RD554A	MYRTLE STREET	DOWLING STREET	VIRGINIA STREET	PROFILE & RESHEET	30	1694	\$30,492.00
2020	RD557A	NAMATJIRA PLACE	LITTLE BAY ROAD	THE END	PROFILE & RESHEET	45	1302	\$35,154.00
2020	RD565A	NEW ORLEANS CRESCENT	FITZGERALD AVENUE	YORKTOWN PARADE	PROFILE & RESHEET	40	871.2	\$22,298.00
2020	RD580A	OAK STREET	MELROSE PARADE	THE END	PROFILE & RESHEET	30	491.4	\$8,838.00
2020	RD581B	OBERON STREET	DUNDAS STREET	ARDEN STREET	PROFILE & RESHEET	40	2856	\$73,114.00
2020	RD586A	OORANA AVENUE	ADINA AVENUE	CANARA AVENUE	PROFILE & RESHEET	30	1800	\$34,560.00

2020	RD586B	OORANA AVENUE	CANARA AVENUE	ELAROO AVENUE	PROFILE & RESHEET	30	1800	\$34,560.00
2020	RD613A	PERRY STREET	BUNNERONG ROAD	MCCAULEY STREET	PROFILE & RESHEET	30	7950	\$152,640.00
2020	RD617A	PICCADILLY PLACE	BRUCE BENNETTS PLACE	THE END	PROFILE & RESHEET	30	1341.6	\$24,156.00
2020	RD625B	POZIERES AVENUE	MENIN ROAD	ANZAC PARADE	PROFILE & RESHEET	30	5090.4	\$97,728.00
2020	RD634C	RAGLAN STREET	VICTORIA STREET	DACRE STREET	RECONSTRUCTION AC	145	631.4	\$54,897.00
2020	RD638A	RALEIGH STREET	ALISON ROAD	THE END	PROFILE & RESHEET	40	834.6	\$20,040.00
2020	RD660A	SACKVILLE STREET	DUNCAN STREET	MARINE PARADE	PROFILE & RESHEET	40	3296	\$84,378.00
2020	RD693A	STEWART STREET	LEE STREET	THE END	PROFILE & RESHEET	30	1500	\$27,000.00
2020	RD697A	ASH PLACE	CEDAR PLACE	THE END	PROFILE & RESHEET	30	136	\$2,448.00
2020	RD726A	TORRINGTON ROAD	MALABAR ROAD	MARINE PARADE	PROFILE & RESHEET	30	7692	\$147,686.00
2020	RD743D	VICTORIA STREET	IRETON STREET	FRANKLIN STREET	PROFILE & RESHEET	30	1797.6	\$34,522.00
2020	RD762A	WAUCHOPE CRESCENT	ELPHINSTONE ROAD	ELPHINSTONE ROAD	PROFILE & RESHEET	30	2701.6	\$48,636.00
2020	RD764A	WELLS STREET	MACQUARIE STREET	THE END	PROFILE & RESHEET	30	672	\$12,902.00
2020	RD782A	WISE STREET	ROBEY STREET	ANZAC PARADE	PROFILE & RESHEET	40	1254.6	\$32,128.00
2020	RD788A	WRIDE STREET	DUNCAN STREET	MALABAR ROAD	PROFILE & RESHEET	40	3220.8	\$82,458.00
2020	RD795A	ZIONS AVENUE	LUCAS AVENUE	PRINCE EDWARD STREET	PROFILE & RESHEET	50	1743	\$52,290.00
2020	RD831A	GOOLAGONG PLACE	ADINA AVENUE	THE END	PROFILE & RESHEET	40	1000.8	\$24,024.00

2020	RD841A	GIBSON PLACE	MACQUARIE STREET	THE END	PROFILE & RESHEET	30	972.8	\$17,514.00
2020	RD985A	GUBBUTEH ROAD	ANZAC PARADE	MAYO STREET	PROFILE & RESHEET	30	2820	\$50,760.00
							Total	\$3,654,863.00
2021	RD026A	BROMPTON ROAD	TODMAN AVENUE	BROMPTON ROAD	PROFILE & RESHEET	30	900	\$16,200.00
2021	RD102C	BOTANY STREET	STURT STREET	RAINBOW STREET	PROFILE & RESHEET	40	2406.6	\$61,619.00
2021	RD018A	ALFREDA STREET	ARDEN STREET	BROOK STREET	PROFILE & RESHEET	30	1475	\$26,550.00
2021	RD037A	ARCHER PLACE	COOPER STREET	THE END	PROFILE & RESHEET	30	420	\$7,560.00
2021	RD047A	AUSTRALIA AVENUE	BUNNERONG ROAD	MCCAULEY STREET	PROFILE & RESHEET	30	5625.2	\$108,000.00
2021	RD062A	GLOUCESTER PLACE	TODMAN AVENUE	THE END	PROFILE & RESHEET	30	120	\$2,160.00
2021	RD060C	BARKER STREET	HOUSTON ROAD	ANZAC PARADE	PROFILE & RESHEET	40	927.1	\$23,731.00
2021	RD086A	BINDA CRESCENT	NURLA AVENUE	NURLA AVENUE	PROFILE & RESHEET	30	1843.2	\$33,174.00
2021	RD045A	ATHOL STREET	DENNING STREET	MALABAR ROAD	PROFILE & RESHEET	30	1203.6	\$23,117.00
2021	RD1006A	LOMANDRA PLACE	ARGYLE CRESCENT	THE END	PROFILE & RESHEET	30	429	\$7,722.00
2021	RD107A	BOWRAL STREET	ANZAC PARADE	DONCASTER AVENUE	PROFILE & RESHEET	40	2244.6	\$57,472.00
2021	RD108C	BOYCE ROAD	COOPER STREET	GARDEN STREET	PROFILE & RESHEET	40	1922.8	\$49,229.00
2021	RD113A	BREAM STREET	BEACH STREET	ARDEN STREET	PROFILE & RESHEET	50	678.4	\$21,696.00
2021	RD117B	BRISBANE STREET	EYRE STREET	MACQUARIE STREET	PROFILE & RESHEET	30	1440	\$27,648.00
2021	RD119A	BROOK STREET	RAINBOW STREET	OBERON STREET	PROFILE & RESHEET	30	957.6	\$18,394.00

2021	RD133B	BURKE STREET	MITCHELL STREET	CALEY STREET	PROFILE & RESHEET	30	918.4	\$17,626.00
2021	RD133C	BURKE STREET	CALEY STREET	BRISBANE STREET	PROFILE & RESHEET	30	1385.8	\$26,611.00
2021	RD142A	BYRNE CRESCENT	BROOME STREET	FORD ROAD	PROFILE & RESHEET	30	1927	\$34,686.00
2021	RD151B	CANARA AVENUE	ADINA AVENUE	OORANA AVENUE	PROFILE & RESHEET	40	1558.2	\$39,885.00
2021	RD157B	CARMINYA STREET	MILROY AVENUE	TODMAN AVENUE	PROFILE & RESHEET	30	1293.2	\$23,274.00
2021	RD172B	CHARMAN AVENUE	WIDTH CHANGE	PERCIVAL STREET	PROFILE & RESHEET	40	1064	\$25,536.00
2021	RD182A	CLARENCE STREET	FRANKLIN STREET	NAMOI ROAD	PROFILE & RESHEET	30	1848	\$35,482.00
2021	RD191E	CLOVELLY ROAD	CARRINGTON ROAD	FERN STREET	PROFILE & RESHEET	40	4050	\$103,680.00
2021	RD200C	COOPER STREET	METCALFE STREET	GALE ROAD	PROFILE & RESHEET	40	763.6	\$19,558.00
2021	RD200D	COOPER STREET	GALE ROAD	ALMA ROAD	PROFILE & RESHEET	30	791.2	\$15,187.00
2021	RD202B	COTTENHAM AVENUE	DAY AVENUE	KOORINDA AVENUE	PROFILE & RESHEET	30	2403.4	\$46,138.00
2021	RD202C	COTTENHAM AVENUE	KOORINDA AVENUE	ROMA AVENUE	PROFILE & RESHEET	40	2440	\$62,464.00
2021	RD210A	CUNNINGHAM STREET	LAWSON STREET	BLAXLAND STREET	PROFILE & RESHEET	40	1787.6	\$45,773.00
2021	RD217B	DANGAR STREET	WHITE STREET	DARLEY ROAD	PROFILE & RESHEET	30	1908	\$36,634.00
2021	RD229B	DENNING STREET	EVELYN STREET	GARIE PLACE	PROFILE & RESHEET	40	1596	\$40,858.00
2021	RD229C	DENNING STREET	GARIE PLACE	MALABAR ROAD	PROFILE & RESHEET	40	2268	\$58,061.00
2021	RD251A	DUNCAN STREET	MONS AVENUE	MALABAR ROAD	PROFILE & RESHEET	40	1188	\$30,413.00

2021	RD256A	DWYER AVENUE	JENNIFER STREET	BUDD AVENUE	PROFILE & RESHEET	30	1886	\$36,211.00
2021	RD257A	EARL STREET	AVOCA STREET	CLOVELLY ROAD	PROFILE & RESHEET	30	1134	\$21,773.00
2021	RD257B	EARL STREET	CLOVELLY ROAD	CHALLIS STREET	PROFILE & RESHEET	50	378	\$12,096.00
2021	RD257C	EARL STREET	CHALLIS STREET	STEPHEN STREET	PROFILE & RESHEET	40	1840	\$47,104.00
2021	RD266A	ELAROO AVENUE	ANZAC PARADE	ADINA AVENUE	PROFILE & RESHEET	30	1461.6	\$28,070.00
2021	RD266B	ELAROO AVENUE	ADINA AVENUE	YARRA ROAD	PROFILE & RESHEET	30	2998.8	\$57,581.00
2021	RD267A	ELIZABETH STREET	ALISON ROAD	SILVER STREET	PROFILE & RESHEET	30	1107.2	\$19,926.00
2021	RD271A	ELSMERE STREET	GOODWOOD STREET	CARLTON STREET	PROFILE & RESHEET	40	1752	\$44,851.00
2021	RD285B	FERGUSON STREET	WISE STREET	FITZGERALD AVENUE	PROFILE & RESHEET	30	2099.9	\$40,320.00
2021	RD290A	FINUCANE CRESCENT	KAIN AVENUE	LAWSON STREET	PROFILE & RESHEET	30	1764	\$33,869.00
2021	RD296A	FLINDERS STREET	MENIN ROAD	LAWSON STREET	PROFILE & RESHEET	30	1713.8	\$30,852.00
2021	RD311A	FRENCH STREET	MONS AVENUE	MAROUBRA ROAD	PROFILE & RESHEET	40	3381	\$86,554.00
2021	RD316C	GALE ROAD	HANNAN STREET	ANZAC PARADE	PROFILE & RESHEET	40	2368.8	\$60,646.00
2021	RD356C	HANNAN STREET	GALE ROAD	MASON STREET	PROFILE & RESHEET	30	675	\$12,960.00
2021	RD364A	HASTINGS AVENUE	MACQUARIE STREET	LITTLE BAY ROAD	PROFILE & RESHEET	30	4600.2	\$88,320.00
2021	RD365A	HAVELOCK AVENUE	ARDEN STREET	CARR STREET	PROFILE & RESHEET	30	4095	\$78,624.00
2021	RD367C	HAYWARD STREET	ANDERSON STREET	APSLEY AVENUE	PROFILE & RESHEET	40	1025	\$24,600.00

2021	RD372A	HENNING AVENUE	THE END	MOVERLY ROAD	PROFILE & RESHEET	30	1185.6	\$22,771.00
2021	RD378A	HILL STREET	DOLPHIN STREET	BREAM STREET	PROFILE & RESHEET	30	662.2	\$11,916.00
2021	RD378B	HILL STREET	BREAM STREET	ARCADIA STREET	PROFILE & RESHEET	40	1118	\$26,832.00
2021	RD381D	HINKLER STREET	PAINE STREET	MAROUBRA ROAD	PROFILE & RESHEET	40	982.8	\$25,165.00
2021	RD404B	INGRAM STREET	DOWLING LANE	VIRGINIA STREET	PROFILE & RESHEET	40	2330.2	\$55,920.00
2021	RD406A	INMAN STREET	TORRINGTON ROAD	MARINE PARADE	PROFILE & RESHEET	30	1926	\$36,979.00
2021	RD413A	JANE STREET	THE END	MIDDLE STREET	PROFILE & RESHEET	30	301	\$5,418.00
2021	RD416A	JENNINGS STREET	BEAUCHAMP ROAD	PERRY STREET	PROFILE & RESHEET	30	3985.2	\$76,512.00
2021	RD421A	JOHNSTON PARADE	COOPER STREET	HENNING AVENUE	PROFILE & RESHEET	30	1755.6	\$33,715.00
2021	RD426A	KARA STREET	HOWARD STREET	BARKER STREET	PROFILE & RESHEET	40	2098.4	\$53,709.00
2021	RD428A	KAROO PLACE	BILGA CRESCENT	THE END	PROFILE & RESHEET	40	811.2	\$19,464.00
2021	RD439D	KENSINGTON ROAD	ADDISON STREET	ROMA AVENUE	PROFILE & RESHEET	40	2759.4	\$70,630.00
2021	RD446A	KNOWLES AVENUE	DAUNT AVENUE	FRANKLIN STREET	PROFILE & RESHEET	30	5721.6	\$109,862.00
2021	RD455A	LANDY STREET	OXLEY STREET	HILLARY PARADE	PROFILE & RESHEET	30	720	\$17,971.00
2021	RD456B	LAROSE AVENUE	FRANKLIN STREET	FRANKLIN STREET	PROFILE & RESHEET	30	280	\$5,040.00
2021	RD464A	LEONORA AVENUE	IRVINE STREET	THE END	PROFILE & RESHEET	30	1029.6	\$18,540.00
2021	RD467A	LINDSAY STREET	ADINA AVENUE	OORANA AVENUE	PROFILE & RESHEET	30	732.6	\$13,194.00

2021	RD469A	LION STREET	OBERON STREET	HOWARD STREET	PROFILE & RESHEET	40	1439.6	\$34,560.00
2021	RD474A	NATHAN STREET	CARRINGTON ROAD	BRIGHTON ROAD	PROFILE & RESHEET	40	567.8	\$13,632.00
2021	RD476A	LOCH MAREE STREET	GALE ROAD	STOREY STREET	PROFILE & RESHEET	40	1315.8	\$33,690.00
2021	RD486A	MCKENZIE AVENUE	LITTLE BAY ROAD	ANZAC PARADE	PROFILE & RESHEET	30	705.2	\$12,690.00
2021	RD488A	MCLENNAN AVENUE	CLOVELLY ROAD	THE END	PROFILE & RESHEET	30	2476.6	\$44,586.00
2021	RD492A	MAGILL STREET	THE END	BOTANY STREET	PROFILE & RESHEET	40	803.4	\$19,272.00
2021	RD494A	MAJOR STREET	ARCADIA STREET	THE END	PROFILE & RESHEET	30	1102	\$19,836.00
2021	RD523B	MIDDLE STREET	HARBOURNE ROAD	FORSYTH STREET	PROFILE & RESHEET	40	1496.4	\$38,298.00
2021	RD530C	MINNEAPOLIS CRESCENT	CHESTER AVENUE	ANZAC PARADE	PROFILE & RESHEET	40	1092	\$27,955.00
2021	RD534A	MOIRA CRESCENT	MARCEL AVENUE	MARCEL AVENUE	PROFILE & RESHEET	40	1852.5	\$47,411.00
2021	RD550A	MULWARREE AVENUE	COWPER STREET	KING STREET	PROFILE & RESHEET	40	1178	\$28,272.00
2021	RD565B	NEW ORLEANS CRESCENT	YORKTOWN PARADE	CHICAGO AVENUE	PROFILE & RESHEET	30	5359.2	\$102,893.00
2021	RD573A	NORTHUMBERLAND STREET	BOUNDARY STREET	WARNER AVENUE	PROFILE & RESHEET	40	1288	\$32,973.00
2021	RD585A	O'CONNELL AVENUE	ROBEY STREET	SHARP STREET	PROFILE & RESHEET	30	2771.2	\$53,203.00
2021	RD588A	ORMOND GARDENS	BROOK STREET	THE END	PROFILE & RESHEET	40	511	\$12,264.00
2021	RD594C	OXLEY STREET	LAWSON STREET	FRANKLIN STREET	PROFILE & RESHEET	40	1038	\$26,573.00
2021	RD599A	PARDEY STREET	IRVINE STREET	SMITH STREET	PROFILE & RESHEET	30	1443	\$25,974.00

2021	RD610A	PERCIVAL STREET	STOREY STREET	SNAPE STREET	PROFILE & RESHEET	30	1519.2	\$29,165.00
2021	RD628B	PRINCE EDWARD STREET	IRETON STREET	RAGLAN STREET	PROFILE & RESHEET	40	2264.4	\$57,958.00
2021	RD629A	QUAIL STREET	ARDEN STREET	BEACH STREET	PROFILE & RESHEET	40	1074.2	\$27,494.00
2021	RD635H	RAINBOW STREET	THE END	WOLSELEY ROAD	PROFILE & RESHEET	30	460.8	\$8,298.00
2021	RD643A	RESERVOIR STREET	ANZAC PARADE	DWYER AVENUE	PROFILE & RESHEET	40	814.8	\$20,864.00
2021	RD643B	RESERVOIR STREET	DWYER AVENUE	JENNIFER STREET	PROFILE & RESHEET	30	3561.6	\$68,390.00
2021	RD644A	RIGNEY AVENUE	STURT STREET	THE END	PROFILE & RESHEET	40	1471.8	\$35,328.00
2021	RD647B	ROBEY STREET	FITZGERALD AVENUE	MURRAY STREET	PROFILE & RESHEET	30	4247.6	\$81,562.00
2021	RD651A	ROMANI PARADE	POZIERES AVENUE	FINUCANE CRESCENT	PROFILE & RESHEET	30	1386	\$26,611.00
2021	RD653A	ROPER AVENUE	ELPHINSTONE ROAD	THE END	PROFILE & RESHEET	30	672.4	\$12,902.00
2021	RD657A	RUNIC LANE	HANNAN STREET	ANZAC PARADE	PROFILE & RESHEET	40	627	\$15,048.00
2021	RD668A	SEE STREET	DONCASTER AVENUE	HOUSTON ROAD	PROFILE & RESHEET	30	2628	\$50,458.00
2021	RD699A	STURT STREET	BUNNERONG ROAD	ANZAC PARADE	PROFILE & RESHEET	40	1369.2	\$35,046.00
2021	RD704A	ST LUKE STREET	COOGEE BAY ROAD	DOLPHIN STREET	PROFILE & RESHEET	40	1789.2	\$45,798.00
2021	RD709A	ST THOMAS STREET	BOUNDARY STREET	THE END	PROFILE & RESHEET	50	2124	\$67,968.00
2021	RD720A	THOMPSON AVENUE	BROOME STREET	THE END	PROFILE & RESHEET	40	385.4	\$9,240.00
2021	RD721A	THORPE STREET	MELROSE PARADE	THE END	PROFILE & RESHEET	30	660	\$11,880.00

2021	RD722A	TITANIA STREET	OBERON STREET	HOWARD STREET	PROFILE & RESHEET	50	1146.6	\$36,704.00
2021	RD730A	TRESSIDDER AVENUE	TUNSTALL AVENUE	EASTERN AVENUE	PROFILE & RESHEET	50	2376	\$76,032.00
2021	RD738A	URALLA PLACE	ELPHINSTONE ROAD	THE END	PROFILE & RESHEET	30	640.8	\$11,538.00
2021	RD749A	WALENORE AVENUE	IRVINE STREET	BOTANY STREET	PROFILE & RESHEET	40	2023.2	\$51,789.00
2021	RD759A	WATERTON AVENUE	FRANKLIN STREET	THE END	PROFILE & RESHEET	30	973	\$17,514.00
2021	RD770A	WILKES AVENUE	LAWSON STREET	THE END	PROFILE & RESHEET	30	988	\$17,784.00
2021	RD791A	YAMBA PLACE	ELPHINSTONE ROAD	THE END	PROFILE & RESHEET	30	730.4	\$13,140.00
2021	RD811B	METCALFE STREET	COOPER STREET	FLOWER STREET	PROFILE & RESHEET	40	934.5	\$22,416.00
2021	RD830A	MURRONG PLACE	GOOLAGONG PLACE	THE END	PROFILE & RESHEET	40	993.6	\$23,856.00
							Total	\$3,922,998.00
2022	RD017A	ALEXANDRIA PARADE	WISDOM STREET	AHEARN AVENUE	PROFILE & RESHEET	40	978	\$23,472.00
2022	RD027A	AMOUR AVENUE	STOREY STREET	JOHNSTON PARADE	PROFILE & RESHEET	30	3121.3	\$59,923.00
2022	RD089A	BLAXLAND STREET	LAWSON STREET	FRANKLIN STREET	PROFILE & RESHEET	30	3186	\$61,171.00
2022	RD022A	ALKOO AVENUE	WOONAH STREET	MIRRABOOKA CRESCENT	PROFILE & RESHEET	30	2152.5	\$38,736.00
2022	RD023A	ALLAN AVENUE	KEITH STREET	THE END	PROFILE & RESHEET	30	408	\$7,344.00
2022	RD060B	BARKER STREET	DAY LANE	HOUSTON ROAD	PROFILE & RESHEET	40	686.2	\$17,562.00
2022	RD082A	BENNETT PLACE	WHITE AVENUE	THE END	PROFILE & RESHEET	30	992.2	\$17,856.00
2022	RD084A	BEULAH STREET	BOTANY STREET	IRVINE STREET	PROFILE & RESHEET	40	1584	\$40,550.00

2022	RD094A	BOHEMIA STREET	AUSTRAL STREET	THE END	PROFILE & RESHEET	30	541.5	\$9,756.00
2022	RD119B	BROOK STREET	OBERON STREET	DUDLEY STREET	PROFILE & RESHEET	40	2652	\$67,891.00
2022	RD119C	BROOK STREET	DUDLEY STREET	CARR STREET	PROFILE & RESHEET	40	2708.4	\$69,325.00
2022	RD128A	BUNDOCK STREET	MALABAR ROAD	HENDY AVENUE	PROFILE & RESHEET	40	3475.5	\$88,986.00
2022	RD140C	BYRD AVENUE	STURT STREET	ANZAC PARADE	PROFILE & RESHEET	30	920	\$16,560.00
2022	RD157A	CARMINYA STREET	DOWLING STREET	MILROY AVENUE	PROFILE & RESHEET	30	1439.6	\$25,920.00
2022	RD177B	CHICAGO AVENUE	PORTLAND CRESCENT	BEAUCHAMP ROAD	PROFILE & RESHEET	40	1008	\$25,805.00
2022	RD192A	CLYDE STREET	THE END	THE END	PROFILE & RESHEET	40	1557	\$37,368.00
2022	RD196A	CONWAY AVENUE	CAREY LANE	CLOVELLY ROAD	PROFILE & RESHEET	40	1156.2	\$29,594.00
2022	RD200E	COOPER STREET	ALMA ROAD	BOYCE ROAD	PROFILE & RESHEET	40	772.8	\$19,789.00
2022	RD200F	COOPER STREET	BOYCE ROAD	MAROUBRA ROAD	PROFILE & RESHEET	40	1416.8	\$36,275.00
2022	RD223A	DARLING STREET	ANZAC PARADE	DONCASTER AVENUE	PROFILE & RESHEET	40	1964.2	\$50,278.00
2022	RD240A	DONCASTER AVENUE	BARKER STREET	DAY AVENUE	PROFILE & RESHEET	30	2916	\$55,987.00
2022	RD240C	DONCASTER AVENUE	ANZAC PARADE	TODMAN AVENUE	PROFILE & RESHEET	30	3672	\$70,502.00
2022	RD259A	EASTBOURNE AVENUE	OCEAN STREET	BRUCE AVENUE	PROFILE & RESHEET	30	2164.8	\$38,970.00
2022	RD264A	EDGE CUMBE AVENUE	DUDLEY STREET	THE END	PROFILE & RESHEET	30	725.2	\$13,050.00
2022	RD280A	EVERETT STREET	STOREY STREET	GALE ROAD	PROFILE & RESHEET	40	1428.2	\$36,557.00

2022	RD283A	FARTHING PLACE	WHITE AVENUE	THE END	PROFILE & RESHEET	30	328	\$5,904.00
2022	RD290B	FINUCANE CRESCENT	LAWSON STREET	THE END	PROFILE & RESHEET	30	994	\$19,085.00
2022	RD300A	FOOTS PLACE	HARRISON AVENUE	THE END	PROFILE & RESHEET	40	1204	\$28,896.00
2022	RD304A	FOWLER CRESENT	MACLEAY STREET	STOREY STREET	PROFILE & RESHEET	30	4120	\$79,104.00
2022	RD310A	FREDERICK STREET	MEYMOTT STREET	OBERON STREET	PROFILE & RESHEET	40	2145.2	\$51,480.00
2022	RD318E	GARDEN STREET	ALMA ROAD	BOYCE ROAD	PROFILE & RESHEET	30	887.4	\$17,030.00
2022	RD318G	GARDEN STREET	GREEN STREET	MAROUBRA ROAD	PROFILE & RESHEET	40	615	\$15,744.00
2022	RD330A	GLEN AVENUE	ALISON ROAD	THE END	PROFILE & RESHEET	30	2856	\$54,835.00
2022	RD355A	HAMPSON AVENUE	AMOUR AVENUE	THE END	PROFILE & RESHEET	30	1588.4	\$28,584.00
2022	RD356A	HANNAN STREET	SNAPE STREET	STOREY STREET	PROFILE & RESHEET	30	1872	\$35,942.00
2022	RD356B	HANNAN STREET	STOREY STREET	GALE ROAD	PROFILE & RESHEET	40	1521	\$38,938.00
2022	RD356F	HANNAN STREET	GLENFIELD STREET	MAROUBRA ROAD	PROFILE & RESHEET	40	693	\$17,741.00
2022	RD360A	HARGRAVES PLACE	RODMAN AVENUE	THE END	PROFILE & RESHEET	30	943	\$16,974.00
2022	RD371A	HENDY AVENUE	DOOLIGAH AVENUE	GUMARA STREET	PROFILE & RESHEET	30	1380	\$24,840.00
2022	RD381B	HINKLER STREET	PARER STREET	WILD STREET	PROFILE & RESHEET	40	1638	\$41,933.00
2022	RD381C	HINKLER STREET	WILD STREET	PAINE STREET	PROFILE & RESHEET	40	1474.2	\$37,734.00
2022	RD382A	HINCKS STREET	ANZAC PARADE	IRVINE STREET	PROFILE & RESHEET	30	1689.2	\$32,429.00

2022	RD382B	HINCKS STREET	IRVINE STREET	BOTANY STREET	PROFILE & RESHEET	30	1320.2	\$25,344.00
2022	RD389A	HOUSTON ROAD	DAY AVENUE	BARKER STREET	PROFILE & RESHEET	40	3141.6	\$80,435.00
2022	RD389B	HOUSTON ROAD	BARKER STREET	STRACHAN STREET	PROFILE & RESHEET	40	2720	\$69,632.00
2022	RD389C	HOUSTON ROAD	STRACHAN STREET	BORRODALE ROAD	PROFILE & RESHEET	40	3440	\$88,064.00
2022	RD399A	HUNTER AVENUE	NORFOLK PARADE	CLARENCE STREET	PROFILE & RESHEET	40	1568	\$40,141.00
2022	RD404A	INGRAM STREET	DOWLING STREET	DOWLING LANE	PROFILE & RESHEET	30	226.2	\$4,068.00
2022	RD412C	JACQUES STREET	APSLEY LANE	BOTANY STREET	PROFILE & RESHEET	40	658.8	\$15,816.00
2022	RD412D	JACQUES STREET	BOTANY STREET	ANZAC PARADE	PROFILE & RESHEET	40	378.2	\$9,072.00
2022	RD413B	JANE STREET	MIDDLE STREET	BARKER STREET	PROFILE & RESHEET	30	1057	\$19,026.00
2022	RD415B	JENNIFER STREET	RESERVOIR STREET	THE END	PROFILE & RESHEET	30	1312	\$25,190.00
2022	RD435C	KENNEDY STREET	BARKER STREET	MIDDLE STREET	PROFILE & RESHEET	30	1305	\$25,056.00
2022	RD456A	LAROSE AVENUE	FRANKLIN STREET	THE END	PROFILE & RESHEET	30	972.8	\$17,514.00
2022	RD472A	LITTLE MORT STREET	MORT STREET	GOVETT STREET	PROFILE & RESHEET	30	148	\$2,664.00
2022	RD483A	MCDUGALL STREET	BAKER STREET	LENTHALL STREET	PROFILE & RESHEET	40	3660	\$87,840.00
2022	RD500D	MARINE PARADE	MAROUBRA ROAD	FITZGERALD AVENUE	PROFILE & RESHEET	40	9209.2	\$235,750.00
2022	RD502B	MARKET STREET	DARLEY ROAD	CLOVELLY ROAD	PROFILE & RESHEET	40	4057.6	\$103,885.00
2022	RD512B	MEEHAN STREET	HILLARY PARADE	LAWSON STREET	PROFILE & RESHEET	30	2160	\$41,472.00

2022	RD523C	MIDDLE STREET	FORSYTH STREET	WILLIS STREET	PROFILE & RESHEET	40	1109.4	\$28,390.00
2022	RD523D	MIDDLE STREET	WILLIS STREET	KENNEDY STREET	PROFILE & RESHEET	40	1126.6	\$28,851.00
2022	RD529A	MILROY AVENUE	DOWLING STREET	CARMINYA STREET	PROFILE & RESHEET	40	1403	\$35,917.00
2022	RD537C	MONS AVENUE	FRENCH STREET	MALABAR ROAD	PROFILE & RESHEET	30	7616	\$146,227.00
2022	RD546G	MOUNT STREET	BREAM STREET	ALISON ROAD	PROFILE & RESHEET	40	1560	\$39,936.00
2022	RD551A	MUNDARRAH STREET	BATTERY STREET	CLOVELLY ROAD	PROFILE & RESHEET	40	1020.9	\$26,138.00
2022	RD569A	NOLAN AVENUE	FERN STREET	SEAVIEW STREET	PROFILE & RESHEET	50	1866.6	\$56,010.00
2022	RD575A	NORTON STREET	BOTANY STREET	KENNEDY STREET	PROFILE & RESHEET	50	1792.8	\$57,376.00
2022	RD607A	PATON STREET	RAINBOW STREET	STURT STREET	PROFILE & RESHEET	40	1656	\$42,394.00
2022	RD607B	PATON STREET	STURT STREET	ANZAC PARADE	PROFILE & RESHEET	40	2439	\$62,438.00
2022	RD609A	PEARCE STREET	THE END	DENNING STREET	PROFILE & RESHEET	40	1738.8	\$41,736.00
2022	RD618A	PINE STREET	ALBION STREET	CARRINGTON ROAD	PROFILE & RESHEET	40	1099.8	\$28,160.00
2022	RD622A	POULET STREET	BEAUCHAMP ROAD	DAUNT AVENUE	PROFILE & RESHEET	40	1720	\$44,032.00
2022	RD626B	PRINCE STREET	COWPER STREET	ALISON ROAD	PROFILE & RESHEET	50	2611.2	\$83,552.00
2022	RD635F	RAINBOW STREET	MOUNT STREET	ARDEN STREET	PROFILE & RESHEET	40	4983	\$127,565.00
2022	RD649A	RODMAN AVENUE	MEAGHER AVENUE	BEAUCHAMP ROAD	PROFILE & RESHEET	30	2164.8	\$41,568.00
2022	RD666A	SEAVIEW STREET	NOLAN AVENUE	GREVILLE STREET	PROFILE & RESHEET	40	919.8	\$22,080.00

2022	RD666B	SEAVIEW STREET	DOUGLAS STREET	THE END	PROFILE & RESHEET	35	496.4	\$10,416.00
2022	RD689A	STARK STREET	MELODY STREET	CARRINGTON ROAD	PROFILE & RESHEET	40	781.2	\$18,744.00
2022	RD694D	STOREY STREET	LOCH MAREE STREET	GARRETT STREET	PROFILE & RESHEET	30	918	\$17,626.00
2022	RD694E	STOREY STREET	GARRETT STREET	GARDEN STREET	PROFILE & RESHEET	30	909	\$17,453.00
2022	RD694F	STOREY STREET	GARDEN STREET	COOPER STREET	PROFILE & RESHEET	30	2331	\$44,755.00
2022	RD699B	STURT STREET	ANZAC PARADE	BOTANY STREET	PROFILE & RESHEET	40	1923.6	\$49,254.00
2022	RD715B	THE AVENUE	FRANCES STREET	COWPER STREET	PROFILE & RESHEET	40	1908	\$48,845.00
2022	RD731A	TRUSCOTT AVENUE	ROMANI PARADE	ANZAC PARADE	PROFILE & RESHEET	30	1771	\$34,003.00
2022	RD735A	TYRWHITT STREET	BROOME STREET	MALABAR ROAD	PROFILE & RESHEET	30	2140.2	\$41,088.00
2022	RD760A	WASSELL STREET	FRANKLIN STREET	BURKE STREET	PROFILE & RESHEET	30	4330.8	\$83,155.00
2022	RD763A	WAVERLY STREET	STANLEY STREET	SYDNEY STREET	PROFILE & RESHEET	50	924	\$27,720.00
2022	RD767A	WHITE AVENUE	BEAUCHAMP ROAD	HUGHES AVENUE	PROFILE & RESHEET	30	2238.6	\$42,989.00
2022	RD781A	WISDOM STREET	ALEXANDRIA PARADE	THE END	PROFILE & RESHEET	30	176.3	\$3,168.00
2022	RD781B	WISDOM STREET	THE END EAST	ALEXANDRIA PARADE	PROFILE & RESHEET	60	270	\$9,720.00
2022	RD814A	WYEE PLACE	BILGA CRESCENT	THE END	PROFILE & RESHEET	30	803.6	\$14,472.00
2022	RD978A	BURRAGULUNG STREET	DOOLIGAH AVENUE	GUMARA STREET	PROFILE & RESHEET	30	975	\$17,550.00
2022	RD979A	DOOLIGAH AVENUE	BURRAGULUNG STREET	HENDY AVENUE	PROFILE & RESHEET	30	900	\$16,200.00

2022	RD980A	MARIDA STREET	BURRAGULUNG STREET	HENDY AVENUE	PROFILE & RESHEET	40	1216	\$29,184.00
2022	RD982A	CLONARD WAY	LITTLE BAY ROAD	LITTLE BAY ROAD	PROFILE & RESHEET	30	1550	\$27,900.00
2022	RD992A	PAVILLION DRIVE	PINE AVENUE	LISTER AVENUE	PROFILE & RESHEET	30	542.5	\$9,756.00
2022	RD993A	MURRA MURRA PLACE	LISTER AVENUE	LISTER AVENUE	PROFILE & RESHEET	30	665	\$11,970.00
2022	RD994A	PINE AVENUE	LISTER AVENUE	ANZAC PARADE	PROFILE & RESHEET	30	3280	\$59,040.00
2022	RD995A	BRODIE AVENUE	HARVEY STREET	PINE AVENUE	PROFILE & RESHEET	30	1890	\$34,020.00
2022	RD997A	EWING AVENUE	PINE AVENUE	HARVEY STREET	PROFILE & RESHEET	40	2340	\$56,160.00
2022	RD999A	LISTER AVENUE	PAVILLION DRIVE	PINE AVENUE	PROFILE & RESHEET	30	1200	\$21,600.00
Total								\$4,056,547.00

Appendix B 10 Year Regional Road Renewal Program

YEAR	PS_ID	Road Name	From Street	To Street	TREATMENT	THICKNESS	Area (m ²)	Renewal Cost
2013	RD079B	BELMORE ROAD	AVOCA STREET	COOGEE BAY ROAD	PROFILE & RESHEET	40	1856	\$50,483.00
2013	RD503F	MAROUBRA ROAD	GARDEN STREET	ANZAC PARADE	PROFILE & RESHEET	40	3132.8	\$85,218.00
2013	RD212A	CUTHILL STREET	BELMORE ROAD	AVOCA STREET	PROFILE & RESHEET	30	1248	\$25,459.00
2013	RD503D	MAROUBRA ROAD	FLOWER STREET	COOPER STREET	PROFILE & RESHEET	30	2809	\$57,304.00
							Total	\$218,464.00
2014	RD495B	MALABAR ROAD	ARDEN STREET	NAPPER STREET	PROFILE & RESHEET	40	3192.4	\$86,822.00
2014	RD038B	ARDEN STREET	BOUNDARY STREET	CLOVELLY ROAD	PROFILE & RESHEET	30	4992	\$101,837.00
2014	RD071B	BEAUCHAMP ROAD	MALABAR ROAD	DAVIDSON CRESCENT	PROFILE & RESHEET	30	1675.6	\$34,190.00
							Total	\$222,849.00
2015	RD071C	BEAUCHAMP ROAD	DAVIDSON CRESCENT	ANZAC PARADE	PROFILE & RESHEET	30	2312.8	\$47,185.00
2015	RD161G	CARRINGTON ROAD	CLOVELLY ROAD	FRENCHMANS ROAD	PROFILE & RESHEET	30	4394	\$89,638.00
2015	RD221D	DARLEY ROAD	AVOCA STREET	MARKET STREET	PROFILE & RESHEET	50	2250	\$76,500.00
							Total	\$213,323.00
2016	RD197C	COOGEE BAY ROAD	MELODY STREET	MOUNT STREET	PROFILE & RESHEET	30	3299.6	\$67,320.00
2016	RD161F	CARRINGTON ROAD	MARCEL AVENUE	CLOVELLY ROAD	PROFILE & RESHEET	40	1365	\$37,128.00
2016	RD161C	CARRINGTON ROAD	DOLPHIN STREET	COOGEE STREET	PROFILE & RESHEET	40	1443	\$39,250.00
2016	RD161D	CARRINGTON ROAD	COOGEE STREET	ALISON ROAD	PROFILE & RESHEET	30	2925	\$59,670.00

							Total	\$136,048.00
2017	RD503C	MAROUBRA ROAD	MALABAR ROAD	FLOWER STREET	PROFILE & RESHEET	30	8925	\$182,070.00
2017	RD724B	TODMAN AVENUE	BALFOUR ROAD	KENSINGTON ROAD	PROFILE & RESHEET	30	1808	\$36,883.00
							Total	\$218,953.00
2018	RD503E	MAROUBRA ROAD	COOPER STREET	GARDEN STREET	PROFILE & RESHEET	30	5808.8	\$118,504.00
2018	RD197B	COOGEE BAY ROAD	CARRINGTON ROAD	MELODY STREET	PROFILE & RESHEET	30	2000.2	\$40,800.00
2018	RD161B	CARRINGTON ROAD	COOGEE BAY ROAD	DOLPHIN STREET	PROFILE & RESHEET	30	3198	\$65,239.00
							Total	\$224,543.00
2019	RD495C	MALABAR ROAD	NAPPER STREET	EDGECLIFFE AVENUE	PROFILE & RESHEET	30	6422.4	\$131,009.00
2019	RD205A	COWPER STREET	ALISON ROAD	PRINCE STREET	PROFILE & RESHEET	40	3081	\$83,803.00
							Total	\$214,812.00
2020	RD038L	ARDEN STREET	OBERON STREET	RAINBOW STREET	PROFILE & RESHEET	30	1703	\$34,741.00
2020	RD038M	ARDEN STREET	RAINBOW STREET	MALABAR ROAD	PROFILE & RESHEET	30	897	\$18,299.00
2020	RD161E	CARRINGTON ROAD	ALISON ROAD	MARCEL AVENUE	PROFILE & RESHEET	40	6266	\$170,435.00
							Total	\$223,475.00
2021	RD205C	COWPER STREET	CHURCH STREET	AVOCA STREET	PROFILE & RESHEET	40	6400.8	\$174,107.00
2021	RD495H	MALABAR ROAD	MONS AVENUE	FITZGERALD AVENUE	PROFILE & RESHEET	30	1357	\$27,683.00
2021	RD038E	ARDEN STREET	ALISON ROAD	ARCADIA STREET	PROFILE & RESHEET	30	1104	\$22,522.00
							Total	\$671,262.00
2022	RD031V	ANZAC PARADE	BUNNERONG ROAD	THE END	CRACK SEALING	0	14058	\$4,965.00

2022	RD038H	ARDEN STREET	DOLPHIN STREET	COOGEE BAY ROAD	PROFILE & RESHEET	30	2860	\$58,344.00
2022	RD038I	ARDEN STREET	COOGEE BAY ROAD	CARR STREET	PROFILE & RESHEET	30	2814	\$57,406.00
2022	RD038F	ARDEN STREET	ARCADIA STREET	BREAM STREET	PROFILE & RESHEET	30	1172.6	\$23,929.00
2022	RD205B	COWPER STREET	PRINCE STREET	CHURCH STREET	PROFILE & RESHEET	40	2574	\$70,013.00
Total								\$1,110,231.00

Appendix C 10 Year Lane Renewal Program

YEAR	PS_ID	Road Name	From Street	To Street	TREATMENT	THICKNESS	Area (m ²)	Renewal Cost
2013	RD040A	ARTHUR LANE	SILVER STREET	WARATAH AVENUE	PROFILE & RESHEET	40	432	\$9,677.00
2013	RD1009 A	UNNAMED LANE CHIFLEY NO 1	BURKE STREET	THE END	PROFILE & RESHEET	40	630	\$14,112.00
2013	RD1015 A	UNNAMED LANE KINGSFORD NO. 1	WALENORE AVENUE	IRVINE STREET	PROFILE & RESHEET	40		\$10,618.00
2013	RD1013 B	BENT LANE	FRENCH STREET	THE END	PROFILE & RESHEET	40	106	\$2,374.00
2013	RD1016 A	UNNAMED LANE MAROUBRA NO 1	MONS AVENUE	THE END	PROFILE & RESHEET	40	1400	\$31,360.00
2013	RD101A	BOTANY LANE	BARKER STREET	MIDDLE STREET	PROFILE & RESHEET	50	552	\$15,456.00
2013	RD101C	BOTANY LANE	MEEKS STREET	THE END	PROFILE & RESHEET	50	608	\$17,024.00
2013	RD1021 A	POWER LANE	EARL STREET	CASTLE LANE	PROFILE & RESHEET	30	385	\$6,468.00
2013	RD109A	KENNEDY LANE	MEEKS STREET	MIDDLE STREET	PROFILE & RESHEET	50	100	\$22,540.00
2013	RD114A	TRAM LANE	ALISON ROAD	CHURCH STREET	PROFILE & RESHEET	50	60	\$1,680.00
2013	RD122A	HUDDART LANE	GOVETT STREET	EVANS STREET	PROFILE & RESHEET	50	865.8	\$24,248.00
2013	RD163A	CARTER LANE	CASTLE LANE	THE END	PROFILE & RESHEET	30	252	\$4,234.00
2013	RD299A	FLOWER LANE	HAIG STREET	FRENCH STREET	PROFILE & RESHEET	30	96	\$1,613.00
2013	RD295A	FITZGERALD LANE	FITZGERALD AVENUE	BRIDGES STREET	PROFILE & RESHEET	40	429.4	\$9,610.00
2013	RD188A	CLIO LANE	MAROUBRA ROAD	HAIG STREET	PROFILE & RESHEET	50	668.8	\$18,732.00

2013	RD587A	MEEKS LANE	MIDDLE STREET	MEEKS STREET	PROFILE & RESHEET	30	60	\$1,008.00
2013	RD424B	JUDGE LANE	HEATH STREET	THE END	PROFILE & RESHEET	30	133	\$2,234.00
2013	RD624A	POWELL LANE	MELODY STREET	POWELL STREET	PROFILE & RESHEET	50	555.5	\$15,568.00
2013	RD796A	RAE LANE	RAE STREET	THE END	PROFILE & RESHEET	30	393.6	\$6,619.00
2013	RD821A	RAVENSWOOD LANE	SEARLE AVENUE	CARRINGTON ROAD	PROFILE & RESHEET	35	911.4	\$17,856.00
							Total	\$233,031.00
2014	RD069B	BEACH LANE	ALISON ROAD	THE END NORTH	RECONSTRUCTI ON AC	120	429.4	\$26,770.00
2014	RD054A	BALFOUR LANE	BALFOUR ROAD	KENSINGTON ROAD	PROFILE & RESHEET	40	542.4	\$12,141.00
2014	RD317A	SHIRLEY LANE	SHIRLEY CRESCENT	JORDAN LANE	PROFILE & RESHEET	50	196	\$5,488.00
2014	RD321A	GARDENERS LANE	BRUCE STREET	HOUSTON ROAD	PROFILE & RESHEET	30	460	\$7,728.00
2014	RD336A	KENNETH LANE	KENNEDY STREET	BOTANY LANE	PROFILE & RESHEET	30	650	\$10,920.00
2014	RD222A	UNNAMED LANE COOGEE NO. 1	CARRINGTON ROAD	THE END	PROFILE & RESHEET	30	100	\$1,680.00
2014	RD228B	DAY LANE	BORRODALE ROAD	SEE STREET	PROFILE & RESHEET	50	690	\$19,320.00
2014	RD228C	DAY LANE	SEE STREET	STRACHAN STREET	PROFILE & RESHEET	40	560	\$12,544.00
2014	RD391A	BOYCE LANE	MULGRAY AVENUE	THE END	PROFILE & RESHEET	40	72	\$10,326.00
2014	RD422A	JORDAN LANE	THE END	SHIRLEY CRESCENT	PROFILE & RESHEET	40	183.6	\$4,122.00
2014	RD592A	OVAL LANE	WILLIS STREET	BOTANY STREET	PROFILE & RESHEET	40	1162.8	\$26,051.00

2014	RD695A	WEST LANE	RAINBOW LANE	THE END	PROFILE & RESHEET	30	511.2	\$8,585.00
2014	RD723A	TITANIA LANE	RAINBOW LANE	THE END	PROFILE & RESHEET	40	129.2	\$2,890.00
2014	RD766A	WENTWORTH LANE	WENTWORTH STREET	DANGAR LANE	PROFILE & RESHEET	30	218.4	\$3,662.00
2014	RD773B	WILLIS LANE	MEEKS STREET	MIDDLE STREET	PROFILE & RESHEET	40	570.5	\$12,768.00
2014	RD773C	WILLIS LANE	MIDDLE STREET	BARKER STREET	PROFILE & RESHEET	50	490	\$13,720.00
2014	RD797A	HAY LANE	HAY STREET	BARKER STREET	PROFILE & RESHEET	30	338.4	\$5,678.00
2014	RD804A	ASHBY LANE	MARKET STREET	EDGE OF CONCRETE	PROFILE & RESHEET	40	418.1	\$9,363.00
2014	RD805A	WALLACE LANE	WALLACE STREET	RAINBOW STREET	PROFILE & RESHEET	30	297.6	\$5,006.00
2014	RD820A	NORFOLK LANE	FRANKLIN STREET	CAR PARK	PROFILE & RESHEET	45	1274	\$32,105.00
2014	RD827A	MEEHAN LANE	THE END	LAWSON STREET	PROFILE & RESHEET	40	253.8	\$5,690.00
2014	RD836B	WOOD LANE	WOOD LANE	WOOD STREET	PROFILE & RESHEET	40	144	\$3,226.00
2014	RD837B	ANTHONY LANE	DIVE STREET	THE END	PROFILE & RESHEET	30	170	\$2,856.00
2014	RD852A	ROSSITER LANE	MALABAR ROAD	MAXWELL AVENUE	PROFILE & RESHEET	50	622.8	\$17,444.00
2014	RD860A	RIGNEY LANE	RIGNEY AVENUE	AVOCA STREET	PROFILE & RESHEET	30	772.8	\$12,986.00
2014	RD941A	TRAMWAY LANE	WENTWORTH STREET	DANGAR STREET	PROFILE & RESHEET	50	356.4	\$9,968.00
2014	RD963A	EAST LANE	CANBERRA LANE	THE END	PROFILE & RESHEET	30	597.5	\$10,046.00
							Total	\$293,083.00

2015	RD1013 A	LITTLE LANE	LITTLE STREET	THE END	PROFILE & RESHEET	40	210	\$4,704.00
2015	RD080A	CARLTON LANE	ABBOTFORD STREET	ABBOTFORD STREET	PROFILE & RESHEET	30	78	\$11,794.00
2015	RD101B	BOTANY LANE	MIDDLE STREET	MEEKS STREET	PROFILE & RESHEET	50	644	\$18,032.00
2015	RD109C	KENNEDY LANE	BARKER STREET	NORTON STREET	PROFILE & RESHEET	50	100	\$16,800.00
2015	RD111A	BRADLEY LANE	BRADLEY STREET	BOTANY STREET	PROFILE & RESHEET	40	535.5	\$11,984.00
2015	RD136A	BURTON LANE	CHURCH STREET	PRINCE STREET	PROFILE & RESHEET	50	720	\$20,160.00
2015	RD321A	GARDENERS LANE	BRUCE STREET	HOUSTON ROAD	POTHOLE PATCHING	0	460	\$24,840.00
2015	RD336A	KENNETH LANE	KENNEDY STREET	BOTANY LANE	POTHOLE PATCHING	0	650	\$35,100.00
2015	RD341A	GOVETT LANE	GOVETT STREET	DANGAR STREET	PROFILE & RESHEET	30	880	\$14,784.00
2015	RD222A	UNNAMED LANE COOGEE NO. 1	CARRINGTON ROAD	THE END	POTHOLE PATCHING	0	100	\$5,400.00
2015	RD358B	HARBOURNE LANE	HARBOURNE ROAD	ANZAC PARADE	PROFILE & RESHEET	50	624	\$17,472.00
2015	RD293A	FISCHER LANE	FISCHER STREET	BROADBENT STREET	PROFILE & RESHEET	30	483	\$8,114.00
2015	RD691A	STEPHEN LANE	WENTWORTH STREET	THE END	PROFILE & RESHEET	50	448.4	\$12,544.00
2015	RD695A	WEST LANE	RAINBOW LANE	THE END	POTHOLE PATCHING	0	511.2	\$27,594.00
2015	RD799A	AEOLIA LANE	AEOLIA STREET	THE END	PROFILE & RESHEET	30	442	\$7,426.00
2015	RD963A	EAST LANE	CANBERRA LANE	THE END	POTHOLE PATCHING	0	597.5 2	\$32,292.00
2015	RD966A	FERGUSON LANE	FERGUSON STREET	THE END	PROFILE & RESHEET	30	196.8	\$3,310.00

2015	RD971A	McANALLY'S LANE	CARRINGTON ROAD	THE END	PROFILE & RESHEET	50	667.2	\$18,676.00
							Total	\$291,026.00
2016	RD153A	KELSO LANE	COWPER STREET	THE END	PROFILE & RESHEET	30	90	\$1,512.00
2016	RD145A	ORANGE LANE	CLOVELLY ROAD	AVOCA STREET	PROFILE & RESHEET	30	412.8	\$6,938.00
2016	RD295B	FITZGERALD LANE	BRIDGES STREET	SCOTT STREET	PROFILE & RESHEET	50	395.2	\$11,060.00
2016	RD341A	GOVETT LANE	GOVETT STREET	DANGAR STREET	POTHOLE PATCHING	0	880	\$47,520.00
2016	RD228A	DAY LANE	BORRODALE ROAD	GARDENERS ROAD	PROFILE & RESHEET	40	942.4	\$21,101.00
2016	RD358A	HARBOURNE LANE	FORSYTH STREET	HARBOURNE ROAD	PROFILE & RESHEET	30	1008.8	\$16,951.00
2016	RD228D	DAY LANE	STRACHAN STREET	BARKER STREET	PROFILE & RESHEET	30	986.4	\$16,565.00
2016	RD570A	STURT LANE	STURT STREET	BOTANY ROAD	PROFILE & RESHEET	40	60	\$1,344.00
2016	RD517A	MELODY LANE	DOLPHIN STREET	POWELL LANE	PROFILE & RESHEET	50	588.3	\$16,464.00
2016	RD596A	STRACHAN LANE	HOUSTON ROAD	DAY LANE	PROFILE & RESHEET	50	435	\$12,180.00
2016	RD603C	PARK LANE	NORTHUMBERLAND STREET	OCEAN STREET	PROFILE & RESHEET	50	289	\$8,092.00
2016	RD611A	WILD LANE	KINGSFORD STREET	WILD STREET	PROFILE & RESHEET	50	448.4	\$12,544.00
2016	RD637A	GOORA STREET	ANZAC PARADE	THE END	PROFILE & RESHEET	85	180	\$8,568.00
2016	RD663A	SCOTT LANE	SCOTT STREET	TYRWHITT STREET	PROFILE & RESHEET	30	378	\$6,350.00
2016	RD797A	HAY LANE	HAY STREET	BARKER STREET	POTHOLE PATCHING	0	338.4	\$18,252.00

2016	RD816A	DACRE LANE	RAGLAN STREET	IRETON STREET	PROFILE & RESHEET	30	780.7	\$13,121.00
2016	RD837A	ANTHONY LANE	SHARP STREET	DIVE STREET	PROFILE & RESHEET	35	758.2	\$14,857.00
2016	RD837B	ANTHONY LANE	DIVE STREET	THE END	POTHOLE PATCHING	0	170	\$9,180.00
2016	RD962A	CANBERRA LANE	RAINBOW STREET	HELENA STREET	PROFILE & RESHEET	30	592.48	\$9,962.00
2016	RD968A	ELIZABETH LANE	ELIZABETH STREET	BOTANY STREET	PROFILE & RESHEET	50	394.4	\$11,032.00
2016	RD972A	PEPPER LANE	THORPE STREET	THE END	PROFILE & RESHEET	30	174	\$2,923.00
2016	RD973A	WINCHESTER LANE	PACIFIC STREET	WINCHESTER ROAD	PROFILE & RESHEET	30	416.7	\$7,022.00
2016	RD976A	PAUL LANE	KURRAWA AVENUE	THE END	PROFILE & RESHEET	140	135.3	\$10,584.00
2016	RD977B	DIVISION LANE	MOUNT STREET	THE END	PROFILE & RESHEET	50	288	\$8,064.00
							Total	\$292,186.00
2017	RD003B	ABBOTTFORD LANE EAST	ABBOTTFORD STREET	ALISON ROAD	PROFILE & RESHEET	30	235	\$3,948.00
2017	RD033A	APSLEY LANE	APSLEY AVENUE	JACQUES STREET	PROFILE & RESHEET	30	607.6	\$10,214.00
2017	RD153A	KELSO LANE	COWPER STREET	THE END	POTHOLE PATCHING	0	90	\$4,860.00
2017	RD307A	FRANCES LANE	FRANCES STREET	THE END	PROFILE & RESHEET	50	616	\$17,248.00
2017	RD166A	GREENSTEAD LANE	ALISON ROAD	THE END	PROFILE & RESHEET	50	88	\$16,520.00
2017	RD218A	DANGAR LANE	DARLEY ROAD	WHITE STREET	PROFILE & RESHEET	40	619.2	\$13,866.00
2017	RD201A	COOPER LANE	MONS AVENUE	THE END	PROFILE & RESHEET	40	421.8	\$9,453.00

2017	RD218B	DANGAR LANE	WHITE STREET	TRAMWAY LANE	PROFILE & RESHEET	30	662.4	\$11,122.00
2017	RD234A	DINE LANE	AVOCA LANE	BARKER STREET	PROFILE & RESHEET	40	183.6	\$4,122.00
2017	RD258A	EARL LANE	STEPHEN STREET	CHALLIS STREET	PROFILE & RESHEET	50	432	\$12,096.00
2017	RD547A	MOUNT LANE	DOLPHIN STREET	COOGEE BAY ROAD	PROFILE & RESHEET	40	844	\$18,906.00
2017	RD567A	NICOL LANE	NICOL AVENUE	MAROUBRA ROAD	PROFILE & RESHEET	40	614.2	\$13,754.00
2017	RD392A	HOWARD LANE	HOWARD STREET	AVOCA LANE	PROFILE & RESHEET	40	595.2	\$13,328.00
2017	RD443B	KING LANE	BARDEN LANE	WENTWORTH STREET	PROFILE & RESHEET	30	259	\$4,351.00
2017	RD470A	LION LANE	OBERON STREET	THE END	PROFILE & RESHEET	30	344.4	\$5,779.00
2017	RD627A	PRINCE LANE	PRINCE STREET	CHURCH STREET	PROFILE & RESHEET	30	662.3	\$11,122.00
2017	RD636A	RAINBOW LANE	RAINBOW STREET	HELENA STREET	PROFILE & RESHEET	50	325.5	\$9,128.00
2017	RD637A	GOORA STREET	ANZAC PARADE	THE END	PROFILE & RESHEET	30	180	\$3,024.00
2017	RD669A	SEE LANE	HOUSTON ROAD	DAY LANE	PROFILE & RESHEET	40	561	\$12,566.00
2017	RD803A	BEATTY LANE	BEATTY STREET	THE END	PROFILE & RESHEET	30	831.6	\$13,978.00
2017	RD842A	SIMS LANE	NEW ORLEANS CRESCENT	MINNEAPOLIS CRESCENT	PROFILE & RESHEET	40	588.2	\$13,171.00
2017	RD962A	CANBERRA LANE	RAINBOW STREET	HELENA STREET	POTHOLE PATCHING	0	592.4 8	\$32,022.00
2017	RD964A	CLOVE LANE	DARLEY LANE	EARL STREET	PROFILE & RESHEET	40	142.6	\$3,203.00
2017	RD972A	PEPPER LANE	THORPE STREET	THE END	POTHOLE PATCHING	0	174	\$9,396.00

2017	RD976A	PAUL LANE	KURRAWA AVENUE	THE END	POTHOLE PATCHING	0	135.3	\$7,290.00
2017	RD977A	DIVISION LANE	DIVISION STREET	MOUNT STREET	PROFILE & RESHEET	50	855	\$23,940.00
							Total	\$298,407.00
2018	RD003A	ABBOTFORD LANE WEST	ABBOTFORD STREET	THE END	PROFILE & RESHEET	50	1016.4	\$28,448.00
2018	RD003B	ABBOTFORD LANE EAST	ABBOTFORD STREET	ALISON ROAD	POTHOLE PATCHING	0	235	\$12,690.00
2018	RD003C	ABBOTFORD LANE	ABBOTFORD LANE WEST	ABBOTFORD LANE EAST	PROFILE & RESHEET	50	474.7	\$23,688.00
2018	RD019A	ALICE LANE	PINE STREET	HOOPER STREET	PROFILE & RESHEET	30	514.8	\$8,652.00
2018	RD021A	ALISON LANE	THE END	ARCADIA LANE	PROFILE & RESHEET	30	360	\$6,048.00
2018	RD033A	APSLEY LANE	APSLEY AVENUE	JACQUES STREET	POTHOLE PATCHING	0	607.6	\$32,832.00
2018	RD040B	ARTHUR LANE	WARATAH AVENUE	ARTHUR STREET	PROFILE & RESHEET	50	480	\$13,440.00
2018	RD069A	BEACH LANE	THE END SOUTH	ALISON ROAD	PROFILE & RESHEET	30	76	\$1,277.00
2018	RD106A	BOW LANE	BOTANY LANE	KENNEDY STREET	PROFILE & RESHEET	40	473.6	\$10,618.00
2018	RD184A	ARCADIA LANE	ARCADIA STREET	ALISON ROAD	PROFILE & RESHEET	30	102	\$9,761.00
2018	RD186A	CARRINGTON LANE	ALISON ROAD	THE END	PROFILE & RESHEET	30	84	\$3,662.00
2018	RD137A	DARLEY LANE	CLOVELLY ROAD	AVOCA STREET	PROFILE & RESHEET	50	96	\$37,912.00
2018	RD167A	DOVE LANE	DOUGLAS STREET	RABY LANE	PROFILE & RESHEET	40	96	\$14,515.00
2018	RD169A	CHALLIS LANE	WENTWORTH STREET	EARL STREET	PROFILE & RESHEET	50	468	\$13,104.00

2018	RD218B	DANGAR LANE	WHITE STREET	TRAMWAY LANE	PROFILE & RESHEET	30	662.4	\$11,122.00
2018	RD351A	HAIG LANE	HAIG STREET	MAROUBRA LANE	PROFILE & RESHEET	40	464.4	\$10,394.00
2018	RD390B	HOUSTON LANE	BARKER STREET	STRACHAN STREET	PROFILE & RESHEET	40	1116	\$24,998.00
2018	RD422B	JORDAN LANE	SHIRLEY CRESCENT	BUNNERONG ROAD	PROFILE & RESHEET	40	547.2	\$12,253.00
2018	RD615A	ADINA WAY	ADINA AVENUE	THE END	PROFILE & RESHEET	30	152	\$2,554.00
2018	RD636B	RAINBOW LANE	HELENA STREET	OBERON STREET	PROFILE & RESHEET	50	318.5	\$8,904.00
2018	RD960A	FERN LANE	SUSAN LANE	CLIFT LANE	PROFILE & RESHEET	50	282	\$7,896.00
							Total	\$294,768.00
2019	RD049B	AVOCA LANE	KARA STREET	DINE LANE	PROFILE & RESHEET	40	729.6	\$16,352.00
2019	RD1005 A	JERSEY LANE	BUNNERONG ROAD	THE END	PROFILE & RESHEET	50	195	\$5,460.00
2019	RD1011 A	WILLIAM LANE	WILLIAM STREET	THE END	PROFILE & RESHEET	50	275	\$7,700.00
2019	RD1002 A	DUNCAN LANE	DUNCAN STREET	THE END	PROFILE & RESHEET	50	150	\$4,200.00
2019	RD103A	BOUGAINVILLE COURT	PORTLAND CRESCENT	THE END	PROFILE & RESHEET	40	593.6	\$13,306.00
2019	RD183B	CLARKE LANE	OBERON STREET	HELENA STREET	PROFILE & RESHEET	50	231	\$6,468.00
2019	RD122B	HUDDART LANE	EVANS STREET	DANGAR STREET	PROFILE & RESHEET	50	488.4	\$13,664.00
2019	RD122C	HUDDART LANE	DANGAR STREET	DANGAR LANE	PROFILE & RESHEET	40	155	\$3,472.00
2019	RD186A	CARRINGTON LANE	ALISON ROAD	THE END	POTHOLE PATCHING	0	84	\$11,772.00

2019	RD246A	DOUGLAS LANE	CAREY LANE	DOUGLAS STREET	PROFILE & RESHEET	30	483	\$8,114.00
2019	RD388B	HOOVER LANE	PINE STREET	HOOVER STREET	PROFILE & RESHEET	50	468	\$13,104.00
2019	RD388C	HOOVER LANE	HOOVER STREET	GILDERTHORPE AVENUE	PROFILE & RESHEET	50	691.2	\$19,348.00
2019	RD390A	HOUSTON LANE	DAY AVENUE	BARKER STREET	PROFILE & RESHEET	40	1032	\$23,117.00
2019	RD420B	JOHN LANE	JOHN STREET	CAR PARK	PROFILE & RESHEET	40	404	\$9,050.00
2019	RD574A	NORTHUMBERLAND LANE	PARK LANE	WARNER AVENUE	PROFILE & RESHEET	40	318	\$7,123.00
2019	RD603A	PARK LANE	PARK STREET	CAMPBELL STREET	PROFILE & RESHEET	40	295.8	\$6,630.00
2019	RD603B	PARK LANE	CAMPBELL STREET	NORTHUMBERLAND STREET	PROFILE & RESHEET	50	306	\$8,568.00
2019	RD424A	JUDGE LANE	JUDGE STREET	HEATH STREET	PROFILE & RESHEET	30	393.6	\$6,619.00
2019	RD443A	KING LANE	CHURCH STREET	BARDEN LANE	PROFILE & RESHEET	50	646.8	\$18,116.00
2019	RD615A	ADINA WAY	ADINA AVENUE	THE END	POTHOLE PATCHING	0	152	\$8,208.00
2019	RD642A	RESERVE LANE	OBERON LANE	CLARKE LANE	PROFILE & RESHEET	40	568.4	\$12,723.00
2019	RD807B	VICTORIA LANE	IRETON STREET	RAGLAN STREET	PROFILE & RESHEET	50	877.4	\$24,556.00
2019	RD807D	VICTORIA LANE	NAPIER STREET	HOWE STREET	PROFILE & RESHEET	40	627.3	\$14,045.00
2019	RD826C	SUSAN LANE	FERN STREET	BARRY STREET	PROFILE & RESHEET	50	300	\$8,400.00
2019	RD959C	CLIFT LANE	KNOX STREET	FEWINGS STREET	PROFILE & RESHEET	50	258	\$7,224.00
2019	RD970A	PACIFIC LANE	BOUNDARY STREET	THE END	PROFILE & RESHEET	50	495.6	\$13,888.00

2019	RD974A	FIG LANE	ASHBY LANE	PINE STREET	PROFILE & RESHEET	50	148	\$4,144.00
							Total	\$295,371.00
2020	RD150A	CAMPBELL LANE	WARNER AVENUE	THE END	PROFILE & RESHEET	30	427.2	\$7,174.00
2020	RD183A	CLARKE LANE	HOWARD STREET	OBERON STREET	PROFILE & RESHEET	30	382.2	\$6,418.00
2020	RD165A	CASTLE LANE	CLOVELLY ROAD	CARTER STREET	PROFILE & RESHEET	50	331.2	\$9,268.00
2020	RD349A	RUBIE LANE	NIX AVENUE	ADAMS AVENUE	PROFILE & RESHEET	40	469.8	\$10,528.00
2020	RD258B	EARL LANE	CHALLIS STREET	CHALLIS LANE	PROFILE & RESHEET	50	256	\$7,168.00
2020	RD370A	HELENA LANE	HELENA STREET	RAINBOW LANE	PROFILE & RESHEET	50	699.2	\$19,572.00
2020	RD379A	HILL LANE	HILL STREET	BROOK STREET	PROFILE & RESHEET	30	523.8	\$8,803.00
2020	RD571A	NORBAR LANE	KENNEDY STREET	NORTON LANE	PROFILE & RESHEET	30	830.4	\$13,944.00
2020	RD409A	ISIS LANE	IRVINE STREET	BOTANY STREET	PROFILE & RESHEET	30	736.7	\$12,382.00
2020	RD411A	IVY LANE	WATER BOARD LANE	IVY STREET	PROFILE & RESHEET	35	428.4	\$8,389.00
2020	RD576A	NORTON LANE	OVAl LANE	NORTON STREET	PROFILE & RESHEET	40	213.5	\$4,794.00
2020	RD576B	NORTON LANE	NORTON STREET	BARKER STREET	PROFILE & RESHEET	40	539	\$12,074.00
2020	RD582A	OBERON LANE	OBERON STREET	HOWARD STREET	PROFILE & RESHEET	30	441.6	\$7,426.00
2020	RD427A	KARA LANE	HOWARD STREET	AVOCA LANE	PROFILE & RESHEET	30	357.2	\$5,998.00
2020	RD624B	POWELL LANE	POWELL STREET	MOUNT LANE	PROFILE & RESHEET	40	280.5	\$6,272.00

2020	RD706A	ST MARKS LANE	CLOVELLY ROAD	THE END	PROFILE & RESHEET	30	403.2	\$6,770.00
2020	RD712A	TAY LANE	ABBOTFORD LANE	ANZAC PARADE	PROFILE & RESHEET	30	1716	\$28,829.00
2020	RD816B	DACRE LANE	IRETON STREET	THE END	PROFILE & RESHEET	50	307.1	\$8,596.00
2020	RD826A	SUSAN LANE	FEWINGS STREET	KNOX STREET	PROFILE & RESHEET	75	258	\$10,836.00
2020	RD835A	CAREY LANE	CARRINGTON ROAD	DOUGLAS LANE	PROFILE & RESHEET	50	350	\$9,800.00
2020	RD855A	DOWLING LANE	INGRAM STREET	THE END	PROFILE & RESHEET	30	272	\$4,570.00
2020	RD859A	ADA LANE	MEARS AVENUE	THE END	PROFILE & RESHEET	30	88	\$1,478.00
2020	RD901A	KELLY LANE	PERRY STREET	THE END	PROFILE & RESHEET	40	512	\$11,469.00
2020	RD957A	GWYDIR AVENUE	CLARENCE STREET	WIDTH CHANGE	PROFILE & RESHEET	30	712.5	\$11,962.00
2020	RD957B	GWYDIR AVENUE	WIDTH CHANGE	BARWON CRESCENT	PROFILE & RESHEET	30	741.6	\$12,466.00
2020	RD958A	BARWON CRESCENT	KNOWLES AVENUE	WIDTH CHANGE	PROFILE & RESHEET	30	864	\$14,515.00
2020	RD958B	BARWON CRESCENT	WIDTH CHANGE	FRANKLIN STREET	PROFILE & RESHEET	30	1071.6	\$18,010.00
2020	RD959A	CLIFT LANE	FERN STREET	BARRY STREET	PROFILE & RESHEET	50	300	\$8,400.00
2020	RD965A	HANNAN LANE	RUNIC LANE	THE END	PROFILE & RESHEET	30	288	\$4,838.00
							Total	\$292,749.00
2021	RD409A	ISIS LANE	IRVINE STREET	BOTANY STREET	POTHOLE PATCHING	0	736.7	\$39,798.00
2021	RD411A	IVY LANE	WATER BOARD LANE	IVY STREET	POTHOLE PATCHING	0	428.4	\$23,112.00

2021	RD604A	PAR LANE	RABY LANE	DOVE LANE	PROFILE & RESHEET	50	545.7	\$15,288.00
2021	RD859A	ADA LANE	MEARS AVENUE	THE END	PROFILE & RESHEET	30	88	\$1,478.00
2021	RD957A	GWYDIR AVENUE	CLARENCE STREET	WIDTH CHANGE	POTHOLE PATCHING	0	712.5	\$38,448.00
2021	RD957B	GWYDIR AVENUE	WIDTH CHANGE	BARWON CRESCENT	POTHOLE PATCHING	0	741.6	\$40,068.00
2021	RD958A	BARWON CRESCENT	KNOWLES AVENUE	WIDTH CHANGE	POTHOLE PATCHING	0	864	\$46,656.00
2021	RD958B	BARWON CRESCENT	WIDTH CHANGE	FRANKLIN STREET	POTHOLE PATCHING	0	1071.6	\$57,888.00
2021	RD959B	CLIFT LANE	BARRY STREET	KNOX STREET	RECONSTRUCTI ON AC	120	285	\$17,784.00
2021	RD965A	HANNAN LANE	RUNIC LANE	THE END	POTHOLE PATCHING	0	288	\$15,552.00
							Total	\$296,072.00
2022	RD033A	APSLEY LANE	APSLEY AVENUE	JACQUES STREET	PROFILE & RESHEET	30	607.6	\$10,214.00
2022	RD058A	BARDEN LANE	KING STREET	COWPER STREET	PROFILE & RESHEET	50	820	\$22,960.00
2022	RD139A	BYNG LANE	GARDEN LANE	HAIG STREET	PROFILE & RESHEET	50	82	\$2,296.00
2022	RD150A	CAMPBELL LANE	WARNER AVENUE	THE END	POTHOLE PATCHING	0	427.2	\$23,058.00
2022	RD183A	CLARKE LANE	HOWARD STREET	OBERON STREET	POTHOLE PATCHING	0	382.2	\$20,628.00
2022	RD118B	BROADBENT STREET	WIDTH CHANGE	IRVINE STREET	PROFILE & RESHEET	50	156.4	\$4,368.00
2022	RD343A	MAROUBRA LANE	GARDEN STREET	MONS AVENUE	PROFILE & RESHEET	30	60	\$12,802.00
2022	RD388A	HOOPER LANE	DARLEY ROAD	PINE STREET	PROFILE & RESHEET	30	414	\$6,955.00

2022	RD545A	MORT LANE	WHITE STREET	GOVETT LANE	RECONSTRUCTI ON AC	120	486.2	\$30,326.00
2022	RD390C	HOUSTON LANE	STRACHAN STREET	BORRODALE ROAD	PROFILE & RESHEET	40	1086	\$24,326.00
2022	RD584A	OCEAN LANE	WARNER AVENUE	PARK LANE	PROFILE & RESHEET	50	364	\$10,192.00
2022	RD390D	HOUSTON LANE	BORRODALE ROAD	SOUTHERN CROSS CLOSE	PROFILE & RESHEET	50	996	\$27,888.00
2022	RD427A	KARA LANE	HOWARD STREET	AVOCA LANE	POTHOLE PATCHING	0	357.2	\$19,278.00
2022	RD632A	BARAGoola AVENUE	KOORINGAI AVENUE	THE END	PROFILE & RESHEET	50	300	\$8,400.00
2022	RD655A	ROSSITER AVENUE	DUNCAN STREET	ROSSITER LANE	PROFILE & RESHEET	30	705	\$11,844.00
2022	RD686A	SOUDAN LANE	SOUDAN STREET	THE END	RECONSTRUCTI ON AC	120	585.6	\$36,566.00
2022	RD773A	WILLIS LANE	RAINBOW STREET	MEEKS STREET	PROFILE & RESHEET	50	576	\$16,128.00
2022	RD813A	DARLING LANE	DARLING STREET	THE END	PROFILE & RESHEET	30	60	\$1,008.00
2022	RD957A	GWYDIR AVENUE	CLARENCE STREET	WIDTH CHANGE	CRACK SEALING	0	712.5	\$1,269.00
2022	RD957B	GWYDIR AVENUE	WIDTH CHANGE	BARWON CRESCENT	CRACK SEALING	0	741.6	\$937.00
2022	RD958A	BARWON CRESCENT	KNOWLES AVENUE	WIDTH CHANGE	CRACK SEALING	0	864	\$1,368.00
2022	RD958B	BARWON CRESCENT	WIDTH CHANGE	FRANKLIN STREET	CRACK SEALING	0	1071.6	\$1,354.00
2022	RD965A	HANNAN LANE	RUNIC LANE	THE END	CRACK SEALING	0	288	\$364.00
							Total	\$294,529.00

Appendix D Bridge Data

Asset_ID	B001	
ASSET_NAME	Brook St Bridge	
AREA	450	
FIN CODE	385764	
Previous Area	LSC	
YEAR_OC	1940	
GIS LINK		
	UNIT RATE COST CODE	Composite Steel Girders Concrete Deck
OVERALL BRIDGE Condition = 4 (1= as new, 5 = Renew)	Unit Replacement \$/M2 Cost	\$4,668
	Current Replacement Cost	\$2,100,582
	Useful Life	100
	Remaining Useful Life	29
	Current Depreciation Value	\$609,169
	Annual Depreciation Value	\$21,006
	Consumed Value	\$1,491,413
BRIDGE SURFACE Condition = 4	Unit Replacement \$/M2 Cost	\$233
	Current Replacement Cost	\$105,029
	Useful Life	20
	Remaining Useful Life	9
	Current Depreciation Value	\$47,263
	Annual Depreciation Value	\$5,251
	Consumed Value	\$57,766
DECK	Unit Replacement \$/M2 Cost	Included in Roads
	Current Replacement Cost	
	Useful Life	
	Remaining Useful Life	
	Current Depreciation Value	
	Annual Depreciation Value	
	Consumed Value	
MISCELLANEOUS Condition = 4	Unit Rep \$/M2 Cost	\$233
	Current Replacement Cost	\$105,029
	Useful Life	20
	Remaining Useful Life	9
	Current Depreciation Value	\$47,263
	Annual Depreciation Value	\$5,251
	Consumed Value	\$57,766

SUBSTRUCTURE	Unit Replacement \$/M2 Cost	\$2,101
	Current Replacement Cost	\$945,262
Condition = 4	Useful Life	100
	Remaining Useful Life	29
	Current Depreciation Value	\$274,126
	Annual Depreciation Value	\$9,453
	Consumed Value	\$671,136
SUPER STRUCTURE	Unit Rep \$/M2 Cost	\$1,867
	Current Replacement Cost	\$840,233
Condition = 4	Useful Life	100
	Remaining Useful Life	29
	Current Depreciation Value	\$243,668
	Annual Depreciation Value	\$8,402
	Consumed Value	\$596,565
SIDEWALLS	Unit Replacement \$/M2 Cost	\$233
	Current Replacement Cost	\$105,029
Condition = 4	Useful Life	100
	Remaining Useful Life	29
	Current Depreciation Value	\$30,458
	Annual Depreciation Value	\$1,050
	Consumed Value	\$74,571

Appendix E Population Projection Details

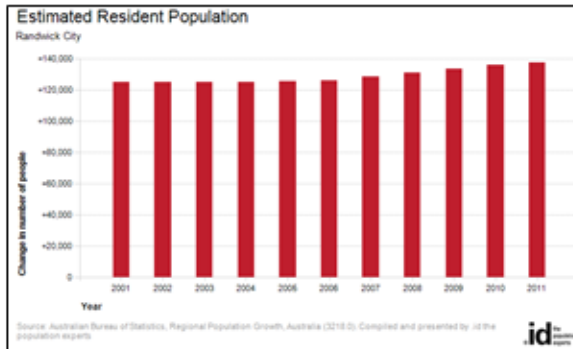
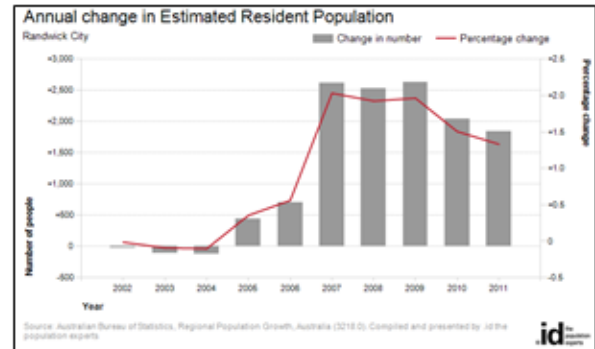


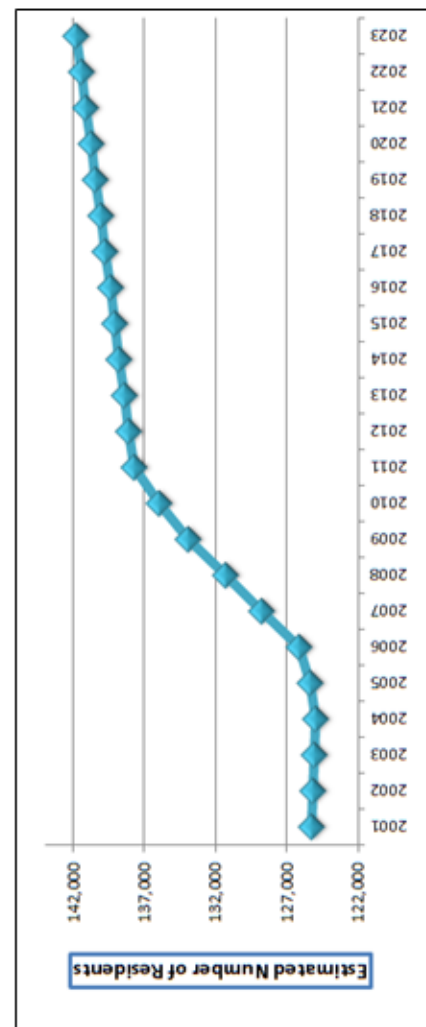
Table 173.1: The past and projected population of Randwick LGA, 1996-2036

Source: past data - Australian Bureau of Statistics;
Projections – Department of Planning
New South Wales Statistical Local Area Population Projections, 2006-2036

Year (ending June 30)	Number	Change in number	Change in %
2001	125,223		
2002	125,204	-19	-0.02
2003	125,088	-116	-0.09
2004	124,959	-129	-0.10
2005	125,404	+445	+0.36
2006	126,108	+704	+0.56
2007	128,723	+2,615	+2.07
2008	131,249	+2,526	+1.96
2009	133,877	+2,628	+2.00
2010	135,923	+2,046	+1.53
2011	137,757	+1,834	+1.35
2012	138,088	+331	+0.24
2013	138,419	+331	+0.24
2014	138,751	+332	+0.24
2015	139,085	+333	+0.24
2016	139,418	+334	+0.24
2017	139,753	+335	+0.24
2018	140,089	+335	+0.24
2019	140,425	+336	+0.24
2020	140,762	+337	+0.24
2021	141,100	+338	+0.24
2022	141,439	+339	+0.24
2023	141,778	+340	+0.24

ERP FROM ABS

ERP FORECAST



Appendix F Roads Sustainability Ratios

Scenario 1		10 year ratio
Projected 10 Yr	Total (\$) '000	Annual (\$) '000
Maintenance	\$21,752.02	\$2,175.20
Renewal	\$31,304.36	\$3,130.44
	\$53,056.38	\$5,305.64
Planned 10 Yr		
Maintenance	10 Year	\$18,914.80
Renewal	10 Year	\$39,266.00
		\$58,180.80
Sustainability Ratio		
Planned	\$58,180.80	
Projected	\$53,056.38	
Ratio		1.10

Scenario 2		20 Year Ratio
Projected 20 Yr	Total (\$) '000	Annual (\$) '000
Maintenance	\$43,504.04	\$2,175.20
Renewal	\$69,493.08	\$3,474.65
	\$112,997.12	\$5,649.86
Planned 20 Yr		
Maintenance	20 Year	\$37,829.60
Renewal	20 Year	\$95,635.70
		\$133,465.30
Sustainability Ratio		
Planned	\$133,465.30	
Projected	\$112,997.12	
Ratio		1.18

Appendix G Service Cost Long Term Financial Plan

