

**Coffs Harbour City Council**

**Transport Asset Management Plan**

**2014 to 2024**



## Document Control

Document ID: Transport Asset Management Plan

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| 1    | November 2010 | First edition  | C Smith         |          |
| 2    | December 2011 | “First Cut” Asset management plan for all General Fund assets (mostly involving the addition of other asset classes)   | Morrison<br>Low | B Lawson |
| 3    | January 2014  | “Second Cut” Transport-specific Asset Management Plan. Format change, community consultation and modelling of proposed maintenance and renewal strategies added. | B Lawson        | B Lawson |
|      |               |  |                 |          |
|      |               |  |                 |          |

This document relies heavily upon the guidance of the International Infrastructure Management Manual, 2011 and also acknowledges the community of interest shared with other NSW Councils managing assets on behalf of their community.

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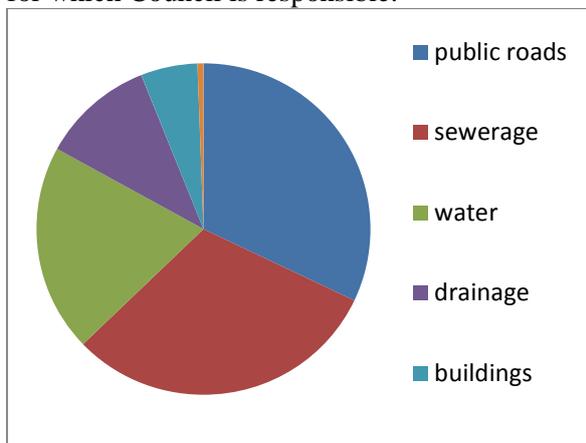
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## 1. Executive Summary

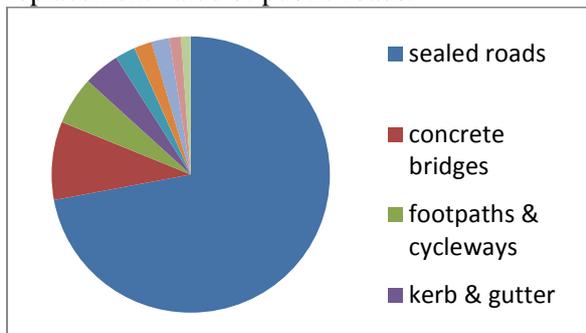
The NSW Local Government Act, 1993 establishes Coffs Harbour City Council as the “custodian and trustee” of a diverse array of public assets, including roads.

The Roads Act, 1993 establishes Council as the roads authority for all public roads within the Coffs Harbour City Local Government Area (LGA) with the exception of the Pacific Highway.

Public roads make up almost one third of the total \$2B replacement value of public assets for which Council is responsible.



Council’s 704km of sealed roads make up almost three quarters of the \$627M replacement value of public roads.



Given that sealed roads are the majority of the asset value, they are also the focus of challenges around service provision not only in terms of funding, but also satisfying community expectations.

Feedback from the 2012 Community Survey clearly identified sealed road maintenance as *the* most important service Council provides, yet it (along with unsealed road and public toilet maintenance) were rated lower in terms of satisfaction than any other services.

Council’s annual financial statements tell the story with regards to the financial challenge of improving the delivery of transport asset-related services:

- \$4.8M is spent on maintenance, but \$5.8M is required to maintain them to a satisfactory standard.
- \$3.2M is spent on asset renewal, but they are depreciating at a rate of \$14.9M each year. \$66.8M is estimated to be required to address the ‘backlog’ and bring assets up to a satisfactory condition.

In 2013, in recognition of its limited resources, Council undertook community engagement regarding levels of service. Participants were able to understand the impacts of their choices on the average residential rate bill.

In the case of transport assets, an additional \$3.2M was required to maintain current levels of service.

The consensus from a statistically significant reference panel was that the services Council provides are valued, and the community is willing to pay to maintain them.

**This Transport Asset Management Plan (TAM Plan) has been prepared to describe how Council plans to deliver current levels of service now and into the future in the most cost effective way.**

Given the long-lived nature of these assets, decisions made today can make a big difference for future generations. The adoption of this TAM Plan represents responsible custodianship by Council.

When Coffs Harbour 2030, the Community Strategic Plan, is reviewed in 2016 following the election by the incoming Council, the levels of service and priorities for funding provided for the programs described herein will be reviewed.

As the information upon which this TAM Plan is based and the organisational structures and systems that support it are refined and mature, the picture will become clearer. An improvement plan is included to guide these efforts, and should be read in conjunction with Council’s Asset Management Strategy.

## 2. Introduction

### 2.1 Background

Council's Charter (section 8 of the Local Government Act, 1993) establishes Council's charter including Council's role as the custodian and trustee of public assets. Council is to effectively plan for, account for and manage the assets for which it is responsible.

#### 2.1.1 Community Strategic Plan

Section 402 of the Act requires Council to develop a Community Strategic Plan that identifies the main priorities and aspirations for the future of the local government area.

The Community Strategic Plan, Coffs Harbour 2030, is divided into five themes:

- Learning and Prospering
- Looking after our Community
- Looking after our Environment
- Moving Around; and
- Places for Living.

Whilst the Transport Asset Management Plan arguably underpins many other objectives and strategies within the other themes, obviously the achievement of the vision, objectives and strategies under the "Moving Around" theme is the primary focus.

## Moving Around



**Vision** - We make best use of an excellent, environmentally friendly public transport system. Many of us walk and cycle from place to place. We are well connected to each other and services.

**Objective - MA 1** We have an integrated, accessible and environmentally-friendly mixed mode transport system servicing the region

| Strategy  | Role  | External Stakeholders  |  |
|---|---|--|--|
| <b>MA 1.1 Plan for new transport infrastructure</b>   | <ul style="list-style-type: none"> <li>• Provider</li> <li>• Facilitator</li> <li>• Advocate</li> </ul> | <ul style="list-style-type: none"> <li>• Public transport providers</li> <li>• Roads and Maritime Services</li> <li>• Federal Government</li> <li>• Transport NSW</li> </ul> | <ul style="list-style-type: none"> <li>• Australian Rail Track Corporation</li> <li>• Department of Planning and Infrastructure (NSW)</li> </ul> |
| <b>MA 1.2 Improve the effectiveness of the existing transport system</b>                                      | <ul style="list-style-type: none"> <li>• Provider</li> <li>• Facilitator</li> <li>• Advocate</li> </ul> | <ul style="list-style-type: none"> <li>• Public transport providers</li> <li>• Roads and Maritime Services</li> <li>• Airlines</li> <li>• Transport NSW</li> </ul>           | <ul style="list-style-type: none"> <li>• Australian Rail Track Corporation</li> <li>• Department of Planning and Infrastructure (NSW)</li> </ul> |
| <b>MA 1.3 Promote increased public transport, pedestrian and cycle usage and reduced car usage</b>            | <ul style="list-style-type: none"> <li>• Provider</li> <li>• Facilitator</li> </ul>                     | <ul style="list-style-type: none"> <li>• Public transport providers</li> <li>• Roads and Maritime Services</li> <li>• Business Leaders</li> <li>• Transport NSW</li> </ul>   | <ul style="list-style-type: none"> <li>• Department of Planning and Infrastructure (NSW)</li> <li>• Federal Government</li> </ul>                |
| <b>MA 1.4 Integrate cycle way and footpath networks including linking schools, shops and public transport</b> | <ul style="list-style-type: none"> <li>• Provider</li> </ul>  | <ul style="list-style-type: none"> <li>• Roads and Maritime Services</li> </ul>  | <ul style="list-style-type: none"> <li>• Transport NSW</li> </ul>  |

**Objective - MA 2** We have a system of well-maintained and safe roads for all users

| Strategy  | Role  | External Stakeholders   |  |
|---|---|---|--|
| <b>MA 2.1 Ensure adequate maintenance and renewal of roads, footpaths and cycleways</b> | <ul style="list-style-type: none"> <li>• Provider</li> </ul>                        | <ul style="list-style-type: none"> <li>• Roads and Maritime Services</li> <li>• Transport NSW</li> </ul>  | <ul style="list-style-type: none"> <li>• Department of Infrastructure and Transport (Federal)</li> </ul>         |
| <b>MA 2.2 Facilitate safe traffic, bicycle and pedestrian movement</b>                  | <ul style="list-style-type: none"> <li>• Provider</li> </ul>                        | <ul style="list-style-type: none"> <li>• Roads and Maritime Services</li> <li>• Transport NSW</li> </ul>  | <ul style="list-style-type: none"> <li>• Department of Planning and Infrastructure (NSW)</li> </ul>              |
| <b>MA 2.3 Reduce the impact of the highway on our community</b>                         | <ul style="list-style-type: none"> <li>• Facilitator</li> <li>• Advocate</li> </ul> | <ul style="list-style-type: none"> <li>• Roads and Maritime Services</li> <li>• Australian Rail Track Corporation</li> <li>• Transport NSW</li> </ul> | <ul style="list-style-type: none"> <li>• Department of Trade and Investment (NSW)</li> <li>• Railcorp</li> </ul> |

## 2.1.2 Resourcing Strategy

Section 403 of the Act requires Council to develop a Resourcing Strategy, including long term financial planning, workforce management planning and asset management planning for the provision of the resources required to implement the strategies established by the community strategic plan that the council is responsible for.

The Resourcing Strategy then informs the Delivery Program (DP) and Operational Plan (OP) – Council’s 4 and 1 year budgets. The relationship between the relevant documents is shown in the figure below.



It is important to note that this Asset Management Plan has been prepared to **integrate** with the “sustainable case” for the Long Term Financial Plan (LTFP). Should the resources allocated in the LTFP, DP and OP change, this Plan must be revised to define what levels of service can be provided, and how lifecycle costs associated with delivering this level of service are to be minimised.

With less funding than proposed to be allocated in this Asset Management Plan, the current level of service will not be able to be provided.

Council’s Asset Management Policy is included in the Asset Management Strategy (part of the Resourcing Strategy) and formalises Council’s commitment to asset management.

Council recognises that the Policy vision is yet to be fully realised and so the Strategy identifies:

- gaps between the current situation (how we manage assets) and the Policy vision
- actions to be taken to close the gaps, including resources and timeframes

## 2.1.3 Relationship with Council’s Annual Financial Statements

Whilst not specifically noted in the diagram above, information in the Annual Report is supplemented by Council’s Annual Financial Statements. Asset-related information is critical to enable Council to give stakeholders a clear picture of Council’s financial situation. The information contained in this Asset Management Plan aligns information reported in Council’s Financial Statements. Section 5.1.5 details how information relevant to the production of the statements is calculated.

## 2.2 Purpose of the Transport Asset Management Plan

This Transport Asset Management (TAM) Plan describes how the resources allocated by Council will be utilised to deliver the proposed levels of service for transport assets in the most cost effective way.

Key elements of the plan are:

2. Background and description of the assets covered by the Plan
3. Levels of service to be provided
4. Future demand requirements, particularly for growth, and how these will be addressed
5. Lifecycle management plan for sealed roads, specifically:
  - Information and assumptions on the asset
  - maintenance levels of service
  - renewal programs
  - new asset acquisition and construction
  - risk management
6. Lifecycle management plan for other transport assets
7. Financial summary
  - Where limited resources will be spent (as per lifecycle management plan)
  - Sources of funding
8. Asset management practices (systems and processes to manage assets)
9. Monitoring and review
10. Improvement plan

Appendices to the TAM Plan provide specific details on maintenance and capital (new and replacement) programs.

## 2.3 Asset Management Approach

The International Infrastructure Management Manual defines two approaches to asset management:

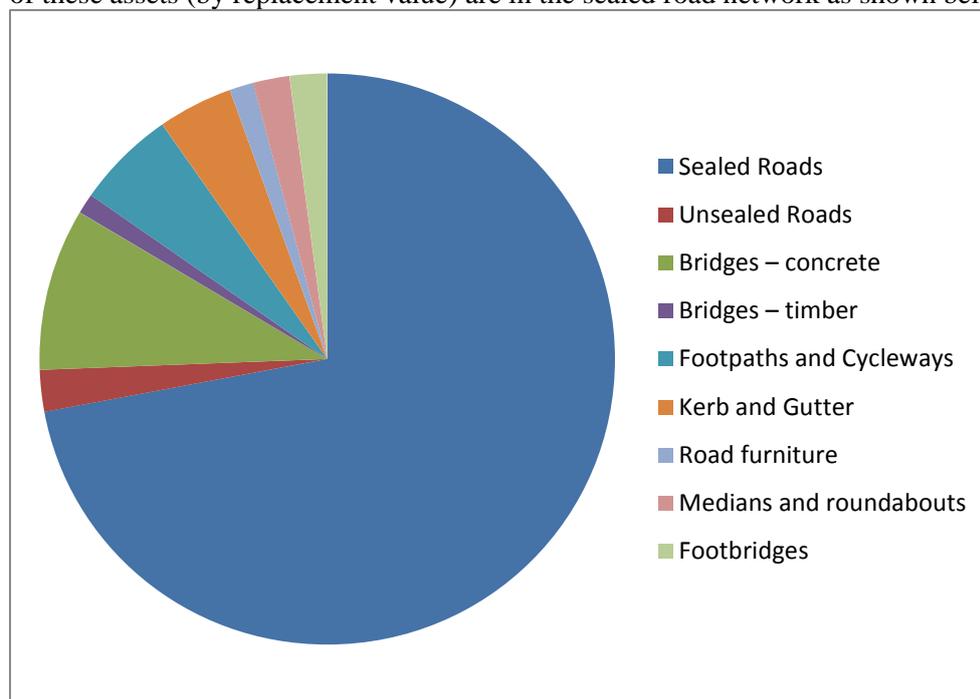
- ‘core’ asset management is a ‘top down’ approach where analysis is undertaken at the system or network level regarding the strategies for delivering agreed service levels.
- ‘advanced’ asset management is a ‘bottom up’ approach where information is gathered on individual assets to support the optimisation of activities and programs to meet agreed service levels.

Whilst Council has significantly increased its emphasis on Asset Management in recent years (as discussed further in the Asset Management Strategy) the organisational capacity arising from a clear asset-focused structure, systems and processes will take time to build and mature. Also, the information necessary to enable ‘advanced’ asset management decision making will take time to gather and evaluate.

The focus at this stage is on the ‘big ticket’ items – a ‘core’ asset management approach. With respect to transport assets, this is particularly the sealed road network, where there is a clear need to take action to improve current maintenance and renewal activities in order to maintain current levels of service and reduce the long-term (lifecycle) costs of providing the asset.

## 2.4 Scope of this Plan

This TAM Plan covers all transport assets under the care and control of Council. By far the majority of these assets (by replacement value) are in the sealed road network as shown below.



The quantities and replacement value of each transport asset category are set out in the table below.

| Asset Category                                     | Quantity | Total Replacement Value (\$M) |
|--|----------|-------------------------------|
| Sealed Roads <sup>1</sup>                          | 704km    | 451,810                       |
| Unsealed Roads                                     | 128 km   | 14,789                        |
| Bridges – concrete                                 | 102 No   | 57,521                        |
| Bridges – timber                                   | 69 No    | 7,081                         |
| Footpaths and Cycleways                            | 150 km   | 35,131                        |
| Kerb and Gutter                                    | 540 km   | 26,413                        |
| Road furniture                                     |          | 8,443                         |
| Signs and fixtures                                 | 2,300 No |                               |
| Bus shelters                                       | 60 No    |                               |
| Guardrail and barriers                             | 15,290 m |                               |
| Medians and roundabouts <sup>2</sup>               | 35 No    | 12,846                        |
| Footbridges and boardwalks                         | 183 No   | 13,166                        |
| <b>Total replacement value of transport assets</b> |          | <b>627,200</b>                |

1. sealed roads includes Airport runway, taxiway, carpark etc. however these assets are separately funded by revenues from Airport operations as set out in section 7. Both ground level and multi-storey carparks are included in sealed roads in accordance with accounting definitions.

2. whilst roundabouts are reported separately herein in accordance with Special Schedule 7 of the annual financial statements, the maintenance and renewal of these is considered together with sealed roads (given that the assets are the same).

### 2.4.1 Road Ownership and Classification

The Roads Act, 1993 establishes Council as the roads authority for all public roads (i.e. land dedicated as public road, in Council's ownership) within the Coffs Harbour City Local Government Area (LGA) other than freeways, crown roads and roads for which some other public authority such as Roads and Maritime Services (RMS) have been declared the roads authority.

The Pacific Highway is declared a freeway from the southern boundary of the LGA to Englands Road, and classified as a state road (where RMS is the road authority) from here through the city to Sapphire. The Sapphire to Woolgoolga project to the north (currently nearing completion) will also a declared freeway.

The significance of the upgrades in terms of this TAM Plan is that Council will become the road authority for those portions of the old highway (i.e. the road assets currently classified as state road and managed by NSW Roads and Maritime Services) that remain in use under the terms of a handover agreement.

Issues surrounding the Pacific Highway are further discussed in section 4.3.2.

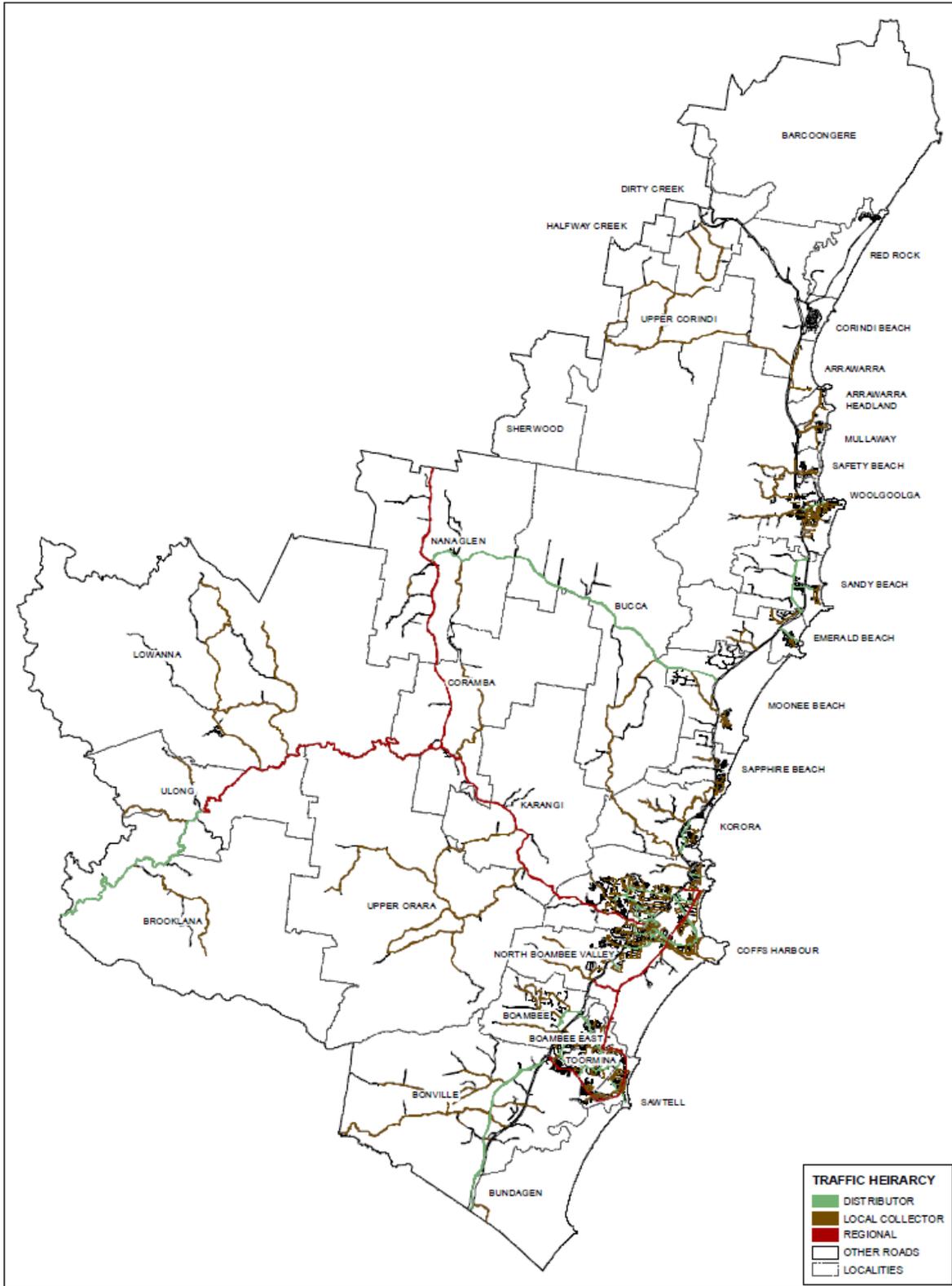
There are a number of roads classified as regional roads in the LGA where Council is the road authority. Under the terms of the Regional Roads Block Grant program Council receives funding assistance from RMS as detailed in section 7.

### 2.4.2 Road Asset Hierarchy

In order for Council to prioritise its limited resources, a road asset hierarchy has been developed (in accordance with AusSpec Guidelines). The lengths of road in each class of the hierarchy are set out below.

| <b>Road Hierarchy</b> | <b>Length (km)</b> |
|-----------------------|--------------------|
| Regional Roads        | 70                 |
| Distributor Roads     | 81                 |
| Collector Roads       | 293                |
| Local Roads           |                    |
| Sealed                | 258                |
| Unsealed              | 128                |
| Unmade                | 24                 |

The following maps provide an overview of the road assets under Council control.

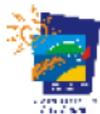
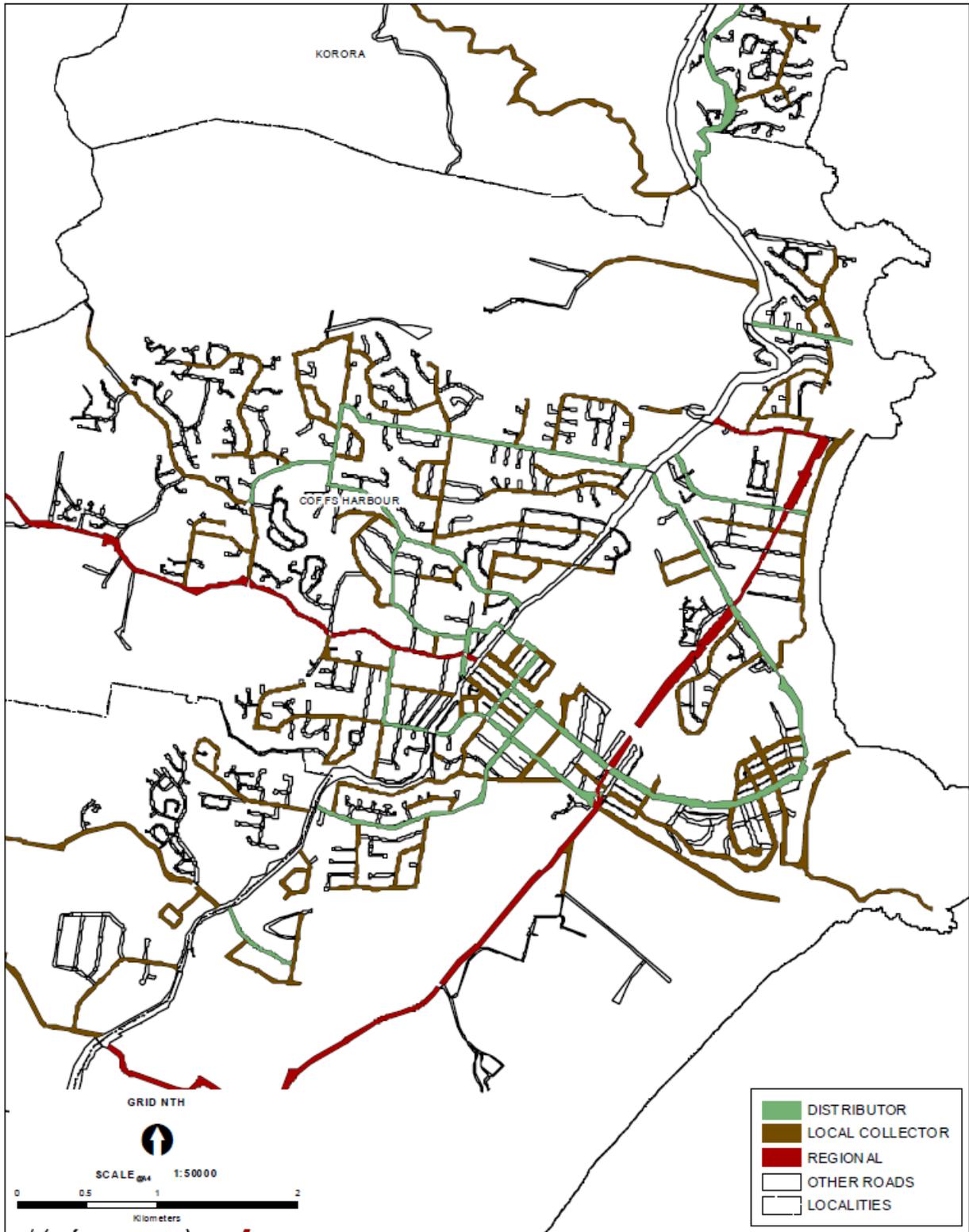



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**Coffs Harbour LGA**  
**Road Network**  
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SCALE: 1:240 000  
  
 Kilometers  
 Coordinate System: GDA 1994 MGA Zone 56  
 Projection: Transverse Mercator  
 Datum: GDA 1994



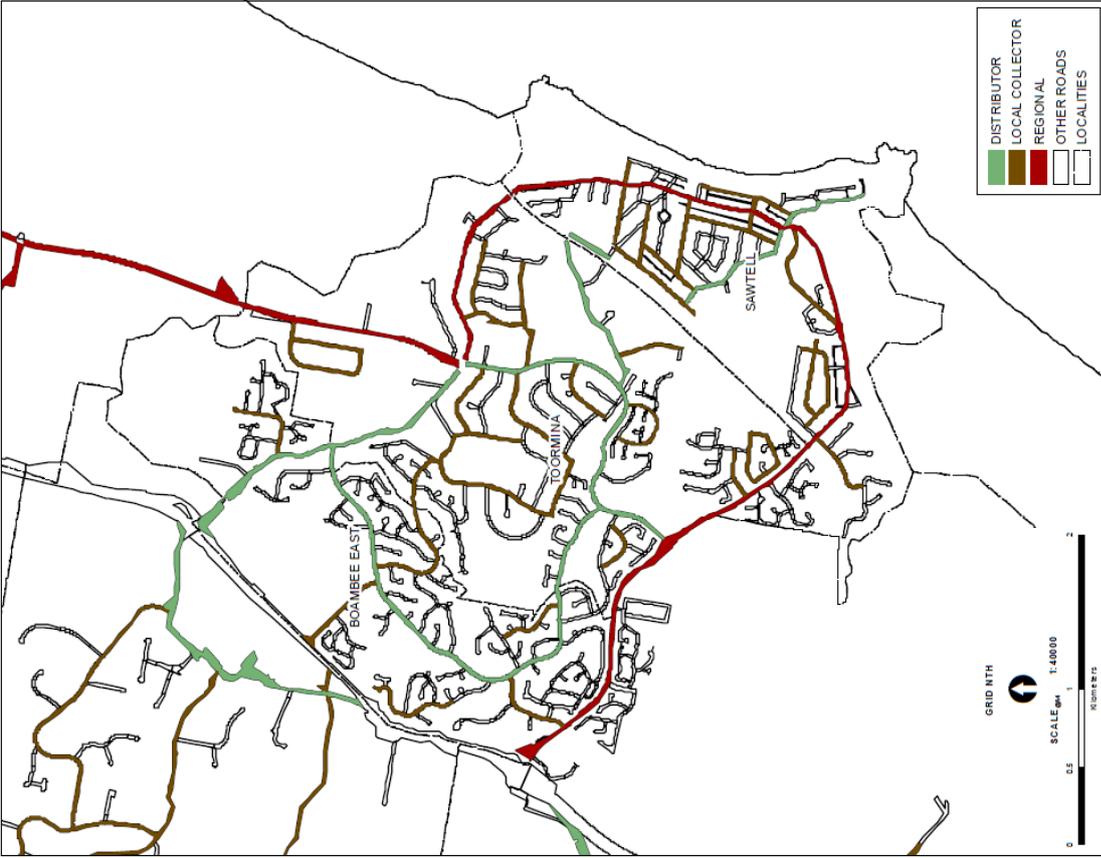


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### Coffs Harbour LGA Road Network

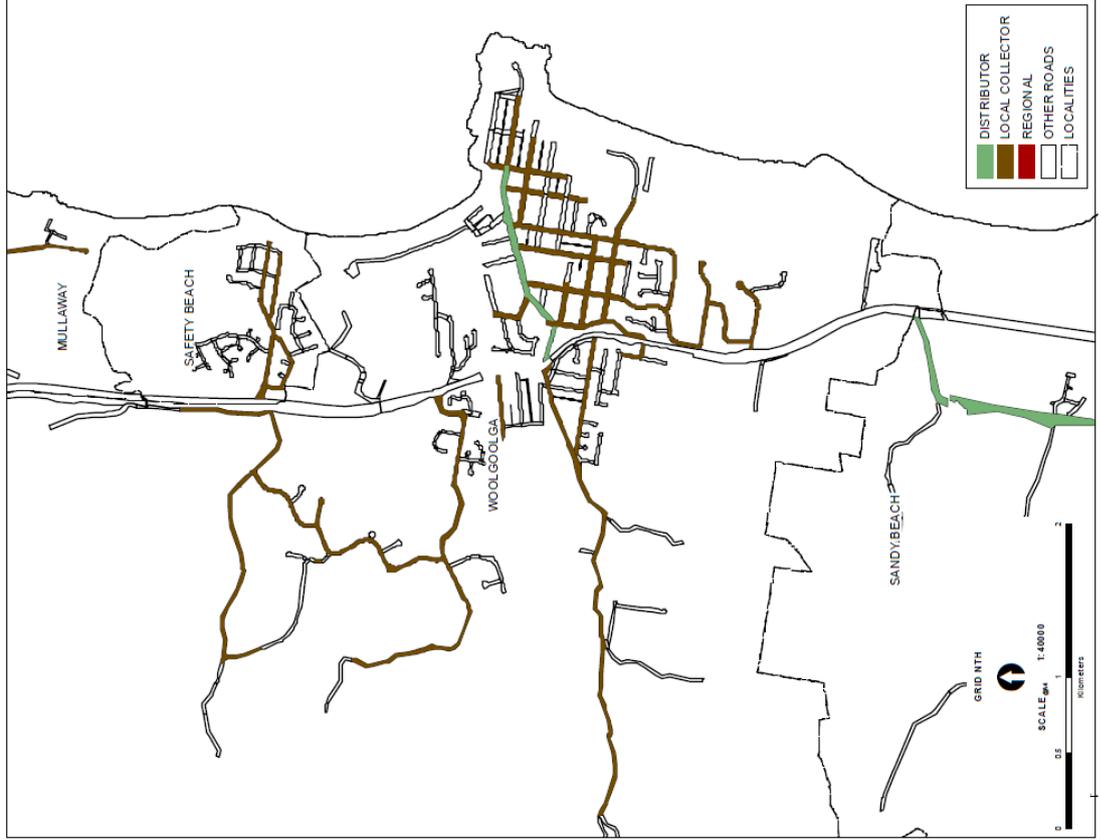
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**Coffs Harbour LGA  
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## 2.5 Internal Stakeholders and Structure

Within Council's Corporate Business directorate, the Finance division has the largest involvement in the management of assets terms of satisfying statutory obligations regarding asset-related reporting. Council's Corporate Information Systems division provides services in relation to the Asset Management Software systems utilised, and also the Geographical Information System that forms the foundation of much of the asset-related data.

Within Council's City Planning directorate, the Sustainable Planning division has involvement in terms of understanding the infrastructure needs of future growth areas and demand from growth generally. The Development Assessment division is responsible in relation to new developments (where Council is the approval authority for developments) for ensuring that Council's requirements regarding the provision of community assets to be acquired by Council as part of a development are met.

Primary responsibility for management of assets rests with the City Infrastructure Services directorate, which is structured into three basic functions:

- Strategic Asset Planning (developing strategies regarding what assets we have and what we need in future to deliver the required level of service as determined by Council)
- Infrastructure Program Management (ensuring Council obtains value for money from internal and external service providers delivering infrastructure-related services)
- Internal Service Providers deliver a range of services including:
  - Engineering Services (investigation and design of new and renewed assets as well as assessment of infrastructure-related issues arising from development applications)
  - CityWorks (operations, maintenance, renewal and construction of new assets)
  - Environmental Laboratory (testing for water, sewage and other purposes)

The roles and responsibilities of each group are best understood in the context of the Asset Management Practices performed. These are discussed in section 8.

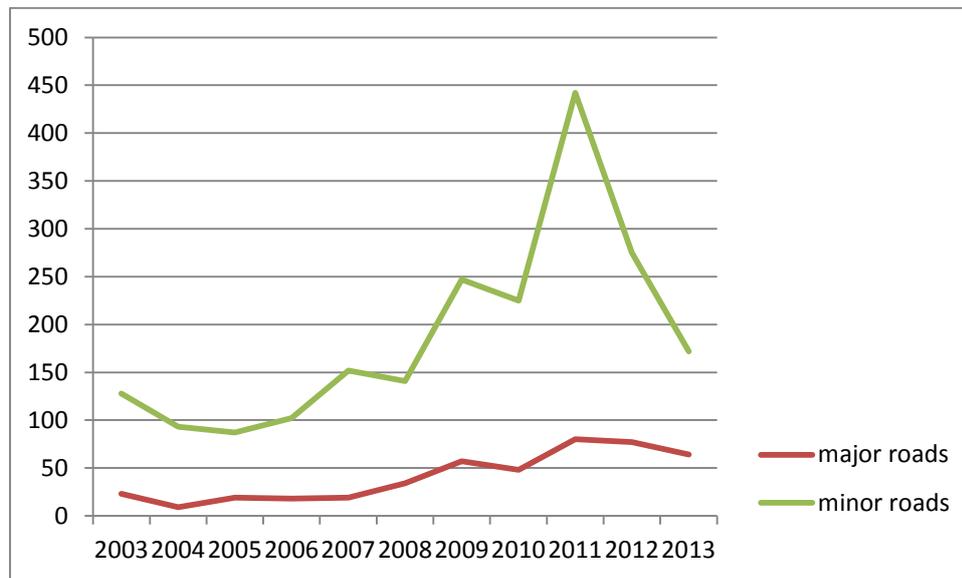
### 3. Levels of Service

#### 3.1 Customer research and expectations

##### 3.1.1 Customer Requests

Customer requests are the most basic means by which failure to meet expectations with regards to services delivered via transport assets can be measured.

The following chart details the number of customer requests regarding transport assets over the past ten years. It would appear that the general trend is that requests are increasing. The spike in 2011 is due to a wet year with sustained rainfall, meaning deterioration of pavements was higher than normal and resources for maintenance inadequate.



|              | 2003       | 2004       | 2005       | 2006       | 2007       | 2008       | 2009       | 2010       | 2011       | 2012       | 2013       |
|--------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| major roads  | 23         | 9          | 19         | 18         | 19         | 34         | 57         | 48         | 80         | 77         | 64         |
| minor roads  | 128        | 93         | 87         | 102        | 152        | 141        | 247        | 225        | 442        | 275        | 172        |
| <b>Total</b> | <b>151</b> | <b>102</b> | <b>106</b> | <b>120</b> | <b>171</b> | <b>175</b> | <b>304</b> | <b>273</b> | <b>522</b> | <b>352</b> | <b>236</b> |

### 3.1.2 Community Survey regarding Levels of Service 2012

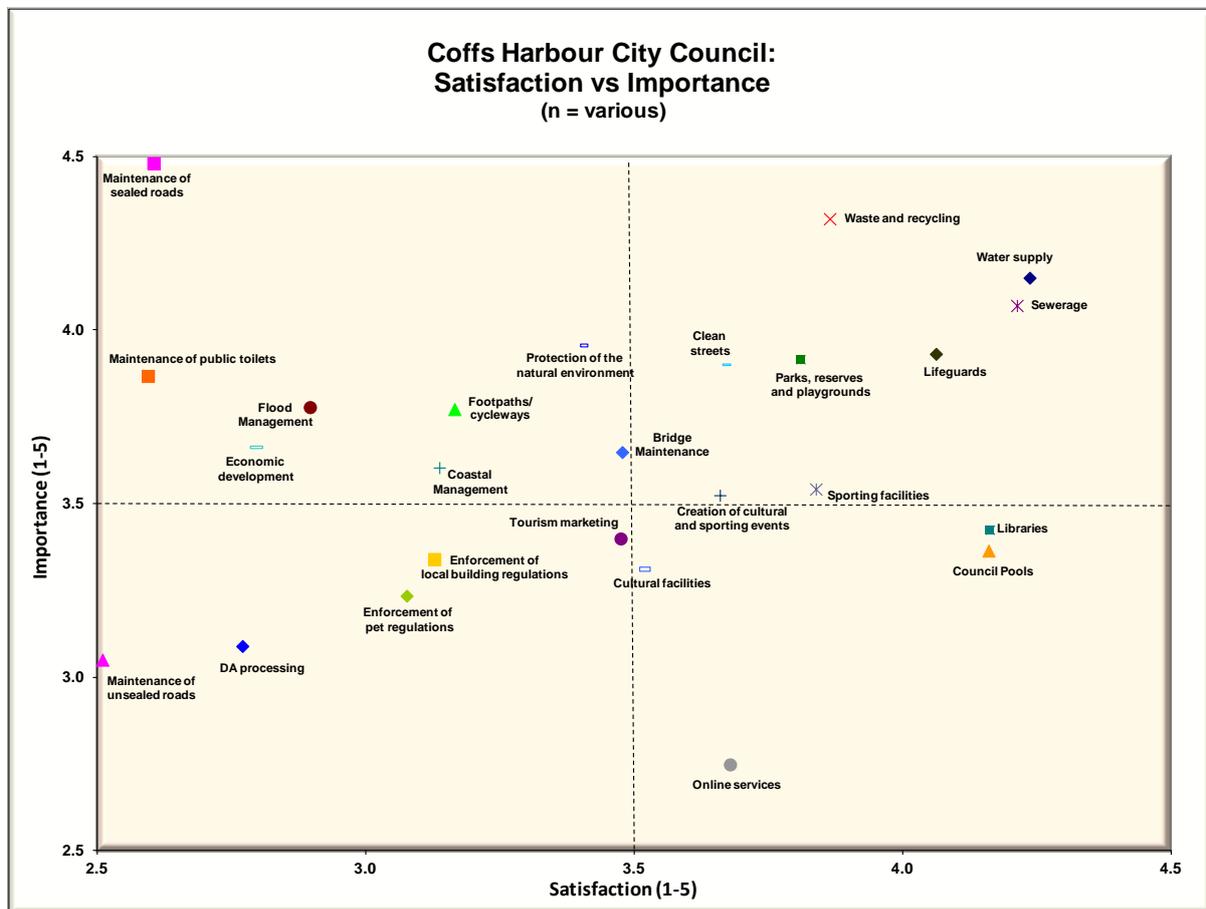
In early 2012, Council undertook a community survey regarding levels of service and asked the community to rate each of 26 external services with regards to:

- importance of the service
- satisfaction with current level of service delivered.

Further information can be found in the Resourcing Strategy. With respect to assets included in this Transport Asset Management Plan, the following services were included:

- maintenance of sealed roads
- maintenance of unsealed roads
- maintenance of bridges
- footpaths and cycleways
- cleanliness of streets

The responses for each of these services is included in figure 1 below.



The ‘gap’ between importance and satisfaction for the maintenance of sealed roads service was higher than for any other service Council provides, indicating that Council should consider devoting more resources towards delivering this service in order to close the gap.

With respect to other services covered by this AMP, footpaths and cycleways was arguably the next priority – understandable given our ageing population and identified needs to connect a number of portions of the network.

Bridge maintenance was arguably the next priority – although perhaps this needs to be taken in context: with the exception of structures in very poor condition (e.g. poor ride quality), bridges are generally seen to be providing the service they are designed for so long as they are not load limited (which very few of Council’s bridges are).

The low priority score for unsealed roads arguably reflects the fact that the majority of the population of the local government area reside in urban areas and many do not travel on unsealed roads. The low satisfaction rating arguably reflects the fact that those who do are unsatisfied with the service being provided.

It would appear that current levels of service for street cleaning are considered adequate relative to other services.

### 3.1.3 Community Engagement Regarding Levels of Service 2013

In late 2013, Council undertook a community engagement process around levels of service (LoS) with the specific intention of achieving a financially sustainable financial position as discussed in the Resourcing Strategy under the “road to sustainability”.

The community was asked to provide feedback on LoS bearing in mind the costs of service delivery for a total of 24 services corresponding to the services defined in the 2012 Community Survey.

The following services are related to this TAM Plan:

- Roads and Bridges
- Footpaths and Cycleways
- Public Toilets, Street Cleaning and Litter Bins (in relation to street cleaning)

Respondents had to choose from a number of LoS options for each service. For each option there was:

- A description of what that LoS would “looked like” in a way that would be meaningful to the community
- A cost for the delivery of that LoS.

As part of the introduction to the “budget allocator” tool, Council’s unsustainable financial position was noted, and the fact that inadequate funding for maintenance and renewal of infrastructure (i.e. that current levels of service could not be maintained) was a key reason for this.

As such, respondents were only given two options with regards to infrastructure-related services:

1. Enhanced LoS
2. Sustainable LoS

The impact of adopting a sustainable LoS for infrastructure was that an additional \$6M funding was required.

With regards to operational services (such as street cleaning) respondents were given four options:

1. Increase LoS
2. Maintain current LoS
3. Mid-range decrease to LoS
4. Minimum LoS

If respondents wished to offset the impact on rates of the funding increase for infrastructure, it was possible to select the minimum LoS for all other services and avoid a Special Rate Variation.

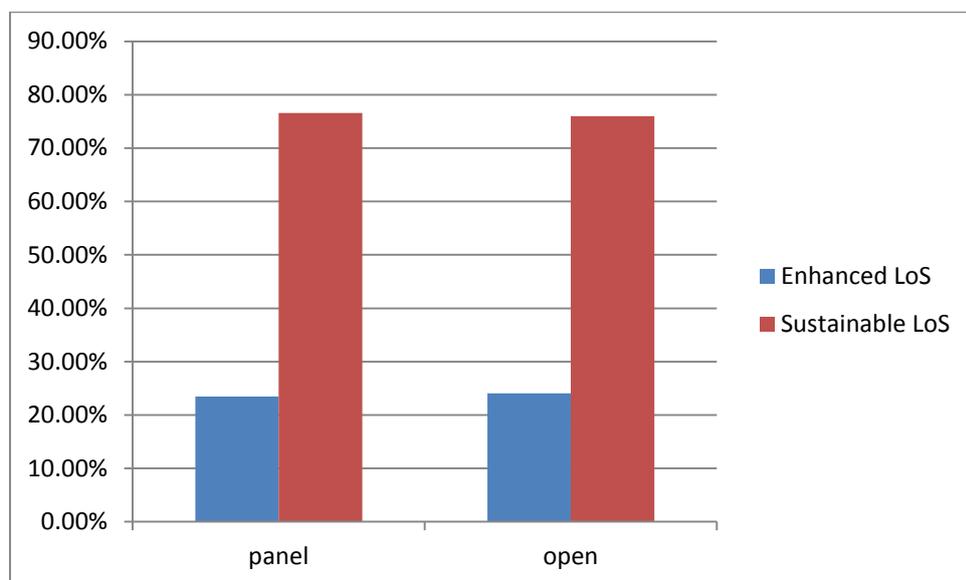
**Effectively, respondents were asked whether they wanted to maintain the current levels of service – and the consensus was that they did.**

On the basis of this feedback, Council resolved to seek feedback from the community regarding a special rate variation to maintain current levels of service.

Further details of this process are provided in the Resourcing Strategy.

The information relevant to services contained in this TAM Plan is presented on the following pages.

### *Roads and Bridges*

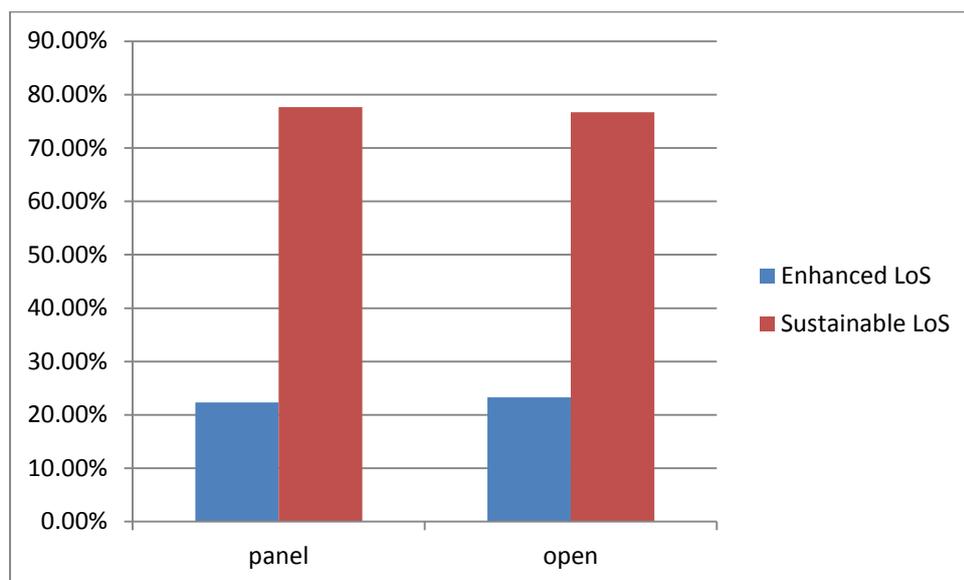


| Option          | Funding required (\$) | LoS description  |
|-----------------|-----------------------|--|
| Enhanced LOS    | 11,040,000            | In addition to sustainable LOS, address more of the backlog of outstanding work (failed roads, kerb, carparks, etc.) (use comments to tell us your priorities)   |
| Sustainable LOS | 10,840,000            | Each year: renewal of 6-7km of failed road pavements (total road length 820km) and better road maintenance (patching potholes, etc.), replace 2-3 of our 170 bridges, 750m of failed kerb and gutter (total kerb length 540km), replace worn out signs and guardrail, renew 2-3 of our 57 carparks |
| Current Budget  | 7,630,000             | Unsustainable  |

### Summary of comments

- Safety issue, high priority
- Various areas noted as needing kerb and gutter, footpaths
- Need better maintenance practices, not fix it and come back again
- Lower standards to save money

## Footpaths and Cycleways



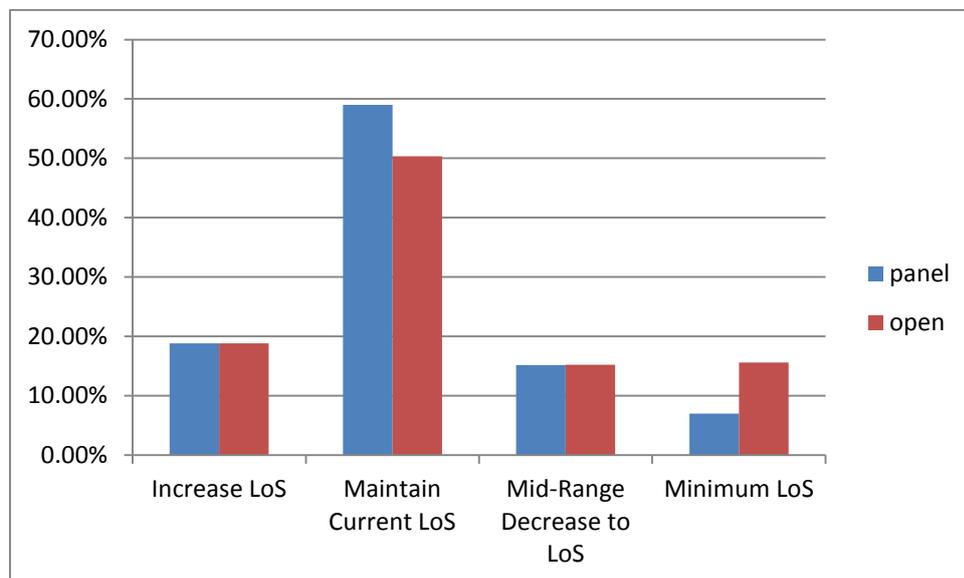
| Option          | Funding required (\$) | LoS description  |
|-----------------|-----------------------|--|
| Enhanced LOS    | 480,000               | In addition to sustainable LOS, address more of the backlog of outstanding work (damaged footpath) and recommence construction of new footpaths and cycleways in high use / high priority areas (use comments section to make suggestions) |
| Sustainable LOS | 430,000               | Each year: repair and renewal of 1km of our 150km of footpaths and cycleways   |
| Current Budget  | 330,000               | Unsustainable  |

### Summary of comments

- Safety issue, high priority
- Various areas noted as needing kerb and gutter, footpaths
- Need better maintenance practices, not fix it and come back again
- Lower standards to save money
- Footpaths and cycleways encourage sustainable transport modes and will attract tourists
- There are more options for cyclists but footpaths are important for accessibility for and ageing population

## Public Toilets, Street Cleaning and Litter Bins

Note: only street cleaning is relevant to this TAM Plan



| Option                  | Funding required (\$) | LoS description   |
|-------------------------|-----------------------|---|
| Increase LOS            | 1,300,000             | High-use toilets cleaned three times daily (more in peak periods), low use toilets cleaned daily, pressure clean all toilets 3 times/year, "attention to detail" clean weekly, annual pressure washing of footpaths in CBD and town centres, add extra litter bins in priority locations (use comments section to tell us your priorities)      |
| Maintain LOS            | 1,200,000             | High-use toilets cleaned three times daily, low use toilets cleaned once daily, CBD and town centres cleaned of litter and objectionable material, emptying of litter bins in streets and parks   |
| Mid-range decrease LOS  | 1,080,000             | High-use toilets cleaned three times daily, low use toilets cleaned once every 3 days (currently daily), consider demolition of 3 low-use toilets, reduce cleaning efforts in CBD and town centres increasing litter and objectionable material on streets and paths, reduce number of litter bins (tell us your priorities)                    |
| Decrease LOS to minimum | 960,000               | High-use toilets cleaned twice daily (currently 3), low use toilets cleaned once every 3 days (currently daily), 3 low-use toilets demolished, cleaning efforts in CBD and town centres cut by a third, increasing litter and objectionable material on streets and paths, significantly reduce number of litter bins (tell us your priorities) |

### Summary of comments

- Support as the service is valued, good for tourism, etc.
- Need to increase prosecution of 'litter bugs'
- Comfortable with demolition of low use toilets

## 3.2 Legislative requirements

Council has obligations under a range of legislation as set out below.

| Legislation  | Requirement   |
|--|---|
| <b>Civil Liability (Personal Responsibility) Act 2002</b>  | <p>minimising the risks to those using its assets via the establishment of systems to identify, prioritise and repair maintenance defects in its assets.</p> <p>The only defence available to Council (in defending public liability claims) is that Council was unable to undertake a particular repair that resulted in an injury because of inadequate resources. In such cases, Council must demonstrate that it has prioritised its limited resources for the repair of such defects based on the level of risk.</p> <p>Funding for maintenance of transport assets overall has been prioritised relative to other services as part of the formulation of Council's Resourcing Strategy and Delivery Program, having regard to the life cycle costs of providing the infrastructure.</p> <p>The maintenance response levels of service contained are the means by which Council will prioritise the repair of maintenance defects that present a risk to those using Council's transport assets.</p> |
| Environmental Planning and Assessment Act 1979   | An Act to institute a system of environmental planning and assessment for the State of New South Wales. Among other requirements the Act outlines the requirement for the preparation of Local Environmental Plans (LEP), Development Control Plans (DCP), Environmental Impact Assessments (EIA) and Environmental Impact Statements.  |
| Work Health and Safety Act, 2011<br><br>Workers Compensation Act, 1987<br><br>Workplace Injury Management and Workers Compensation Act, 1998 | Sets out roles and responsibilities to secure the health, safety and welfare of persons at work and covering injury management, emphasizing rehabilitation of workers particularly for return to work. Council is to provide a safe working environment and supply equipment to ensure safety.  |
| Threatened Species Conservation Act 1995   | An Act to conserve threatened species, populations and ecological communities of animals and plants.  |
| Protection of the Environment Operations Act 1997  | Council is required to exercise due diligence to avoid environmental impact and among others are required to develop operations emergency plans and due diligence plans to ensure that procedures are in place to prevent or minimise pollution.  |
| Road Transport (Safety and Traffic Management) Act 1999  | Facilitates the adoption of nationally consistent road rules in NSW, the Australian Road Rules. It also makes provision for safety and traffic management on roads and road related areas including alcohol and other drug use, speeding and other dangerous driving, traffic control devices and vehicle safety accidents.   |
| Road Transport (General) Act 2005  | Provides for the administration and enforcement of road transport legislation. It provides for the review of decisions made under road transport legislation. It makes provision for the use of vehicles on roads and road related areas and also with respect to written off and   |

| Legislation                        | Requirement  |
|------------------------------------|--|
|                                    | wrecked vehicles.  |
| Roads Act 1993                     | Sets out rights of members of the public to pass along public roads, establishes procedures for opening and closing a public road, and provides for the classification of roads. It also provides for declaration of the RTA and other public authorities as roads authorities for both classified and unclassified roads, and confers certain functions (in particular, the function of carrying out roadwork) on the RTA and other roads authorities. Finally it provides for distribution of functions conferred by this Act between the RTA and other roads authorities, and regulates the carrying out of various activities on public roads. |
| Disability Discrimination Act 1992 | The Federal Disability Discrimination Act 1992 (D.D.A.) provides protection for everyone in Australia against discrimination based on disability. It encourages everyone to be involved in implementing the Act and to share in the overall benefits to the community and the economy that flow from participation by the widest range of people.  |
| Native Vegetation Act 2003         | This Act regulates the clearing of native vegetation on all land in NSW, except for excluded land listed in Schedule 1 of the Act. The Act outlines what landowners can and cannot do in clearing native vegetation.   |
| Australian Standard AS 1742        | Australian Standard 1742 which refers to a variety of road and traffic issues.   |
| NSW Road Rules 2008                | Road rules that are based on the Australian Road Rules so as to ensure that the road rules applicable in this State are substantially uniform with road rules applicable elsewhere in Australia.   |

### 3.3 Current levels of service

Levels of service (LoS) must be considered from three perspectives:

- Customer LoS – how users of the asset experience the service being delivered (may include qualitative e.g. user confidence and quantitative e.g. travel speed measures)
- Technical LoS – generally quantitative measures of what service was delivered (such as roughness and surface condition of roads, response times to defects)
- LoS standards – the ‘norm’ Council adopts as the service to be delivered (which will include both customer and technical LoS)

#### 3.3.1 Customer Levels of Service

Both the 2012 community survey and 2013 community engagement measured satisfaction with current community LoS (refer section 3.1), albeit that the measures of this LoS were unstated.

As noted in ACTION 1 in the Asset Management Strategy, customer LoS standards will be developed to enable community engagement regarding these in conjunction with the review of the Community Strategic Plan following the 2016 Local Government elections.

For roads, these are likely to include anecdotal measures such as ride quality and the number of potholes. The Customer Request statistics detailed in section 3.1.1 are a very basic measure of some of these.

#### 3.3.2 Technical Levels of Service – Maintenance

As discussed further in section 8, Council has implemented the *Reflect* Maintenance Management System to manage the inspection, prioritisation and repair of maintenance defects.

The draft Maintenance Response Levels of Service in the TAM Plan Summary have been utilised as technical levels of service in the implementation of the system as a ‘first cut’.

As noted in ACTION 1 of the Improvement Plan (section 9), the next stage of this project is to evaluate the capacity for Council to achieve these maintenance response levels of service and under what circumstances (e.g. as noted in the draft, resources and asset condition simply do not permit the achievement of these in periods of wet weather).

It is then proposed that the maintenance response levels of service will be recommended to Council for adoption as part of an updated TAM Plan.

It is important to note that they will remain contingent upon weather, however, since in periods of wet weather roads deteriorate rapidly and in Coffs Harbour’s situation resources are often required at such times to respond to flood events.

#### 3.3.3 Technical Levels of Service – Capital Works Prioritisation

The condition rating of assets (discussed in section 5.1.4) provides another opportunity to define levels of service. Whilst potholes can be repaired, for example, within a certain timeframe (i.e. by undertaking maintenance works) the road itself will remain rough (poor ride quality) unless rehabilitation or renewal works are undertaken.

For the purposes of community engagement regarding levels of service in 2013, the technical level of service adopted was the maintenance (i.e. holding steady) of current asset condition on average across the network i.e. renewing enough assets to keep pace with deterioration. This LoS has been adopted to produce the renewal strategies set out in section 5.4.

### 3.4 Desired levels of service

The desired levels of service were gauged in feedback from the 2012 Community Survey regarding Levels of Service.

Maintenance of unsealed roads was the only service where satisfaction, measured on a scale of 1 (unsatisfied) to 5 (satisfied) was less than half (2.5), scoring 2.48.

Maintenance of sealed roads scored only slightly higher (2.61), with footpaths and cycleways (3.17), bridges (3.48) and cleanliness of streets (3.67) scoring higher.

The location of the maintenance of sealed roads service figure 3.1.2-A (top left, high importance / low satisfaction) indicates it is a priority for increased funding.

*Yet the desired level of service must be considered in the context of willingness to pay.*

As noted in section 3.1.3, the “sustainable LoS” was the lowest-cost option that could be chosen in the 2013 Community Engagement regarding Levels of Service. Unsurprisingly, the majority of respondents chose this option. However it is interesting to note that a significant number of respondents (over 23 and 24% for roads and bridges, 22 and 23% for footpaths and cycleways from the panel and open responses respectively) chose an enhanced level of service despite the increased costs associated with this LoS.

The desired LoS is taken to be the current LoS when the costs of service delivery are considered.

### 3.5 Review of levels of service and adoption of LoS Standards

As noted in section 3.3.2, plans are in place to review technical LoS for maintenance which will then be presented to Council for adoption as a LoS standard.

As noted in section 3.3.1, plans are also in place to review community LoS standards in conjunction with the review of the Community Strategic Plan.

## 4. Future Demand

### 4.1 Demand drivers, forecasts, impacts and response

The table below sets out the drivers for change in demand, the forecast impact of these on the provision of transport asset-related services and what response is planned to address the change in demand.

| Demand factor                    | Present position (2014)   | Projection (2031)  | Impact on services / how to meet demand  |
|----------------------------------|---|--|--|
| Population                       | Estimated Resident Population 72431   | Projected Population 94,896  | Infrastructure needs have been assessed for and plans are in place for those areas identified to grow in population or experience growing demand from population growth. Refer section 4.3.                            |
| Demographics                     | Median Age 42<br>% Population older than 45 is 47%  | Median Age 44<br>% Population older than 45 is 48%                             | The trend towards an aging population will place a higher demand on some infrastructure assets e.g. footpaths. Pedestrian Access and Mobility Plan (PAMP) have been developed, but often dependent upon grant funding. |
| Level of service expectations    | Some areas have lower LoS e.g. no kerb or footpath due to lower development standards in the past | Increasing expectations from new residents who come from areas with higher LoS | Council must be clear about funding limitations and inability to deliver higher LoS e.g. no extension of footpaths, no new kerb and gutter.  |
| Transportation Changes           | Environmental responsibility, rising fuel prices and increasing traffic                           | Increased use of public transport, bicycles and accessible footpath networks   | Council to advocate for integrated transport system with a reduced reliance on the use of private motor vehicles. Development of Bike Plan (due for completion 2014) to identify priorities for new cycleways.         |
| Higher Mass Limit (HML) vehicles | HML vehicles are permitted only with Council's concurrence  | As technology improves, more HML vehicles may be used                          | Possible re-evaluation of design parameters. Currently no obligation on council to approve HML access.   |
| Technology                       | Some technological opportunities identified and adopted.  | Technology will be critical for effective asset management                     | Identify and pursue opportunities to utilise technology. Include in Improvement Plan.  |
| New construction techniques      | Modern techniques used  | Advancements   | Identify and pursue opportunities to adopt new construction techniques.  |
| Increasing Costs                 | Asset construction, maintenance and renewal costs increasing faster than revenues                 | Cost increases will continue. Revenue growth will remain restricted.           | Better long-term planning. Focus on maximising the service that can be delivered within the funding limitations. Seek efficiency & effectiveness gains.  |
| Environment and Climate Change   | Current position is known   | Future position is uncertain, but indications are that change is likely.       | Coastal Zone Management Plan (2013) identifies infrastructure assets affected by coastal erosion and/or inundation hazards under a range of scenarios, assesses risks, costs to address these and actions to be taken. |

## 4.2 Demand Management Plan

Demand for new or enhanced services will be addressed through a combination of managing existing assets, upgrading existing assets and providing new assets based on the ability to fund the priorities identified.

Demand management practices are ‘non-asset solutions’, an important alternative to ‘hard’ infrastructure. These may include such things as policy changes, community education and insuring against risks of asset failures.

The CBD is arguably the highest priority for exploration of demand management options for transport assets. The development of a CBD Master Plan in 2013 included a Traffic Study.

A number of new transport assets were identified as priorities under the plan, to be funded via the CBD Special Rate Variation. Whilst the provision of a lift and stairs to increase use of the upper levels of the Castle Street multi-storey carpark is from one perspective an “asset-based” solution, from another it is a means of promoting better use of an existing asset, and thus a good example of demand management in action. Note that because the Castle Street carpark is classified as a building asset, it is included in the Buildings Asset Management Plan, despite it being one of Council’s critical assets associated with transport.

A number of other non-asset based solutions were also identified in the parking strategy as well as ways to increase pedestrian and cycle transport. As noted in the table above, promoting more sustainable modes of transport is a critical demand management strategy.

## 4.3 Planning for Growth

As noted in the table above, the residential population of Coffs Harbour is projected to grow at around 1.6% per annum to almost 100,000 by the year 2030.

Council's Our Living City Settlement Strategy (2008) identifies where this increased population will be accommodated and such growth is then enabled by the Coffs Harbour Local Environmental Plan (2013) prepared in accordance with the Environmental Planning and Assessment (EP&A) Act, 1979.

### 4.3.1 Developer Contributions

Under section 94 of the EP&A Act, Council is able to levy contributions from developers of land for the construction of community assets that service the land provided that it has prepared and adopted a section 94 contributions plan that:

- Identifies the land benefitting from the new community assets required to be constructed to service that land
- Identifies the costs of providing these assets
- Calculates the contribution required from each property towards these assets.

Further information is provided in Council's Development Control Plans.

A list of all section 94 contributions plans is provided on Council's website.

In relation to transport assets impacting the City generally, the most critical section 94 contributions plan impacting transport services on a broad scale is the Coffs Harbour Road Network Contributions Plan. The plan will be revised to include a number of 'bottlenecks' on Hogbin Drive, the road carrying the highest traffic volume in the LGA other than the Pacific Highway. As the city grows, the augmentation of these locations will become more critical. It is unlikely that sufficient funding will be available from the contributions plans alone, and that Council will need to consider funding from another source as well as seeking grant funds where opportunities become available.

### 4.3.2 Pacific Highway

Whilst Council is not the road authority for the Pacific Highway (see section 2.4.1) in the longer term the road authority for the "old" sections will be handed over to Council, including the portion through the city (between Englands Road and Sapphire). According to current advice from RMS, the bypass will not commence until funding negotiations between State and Federal Governments are agreed.

Even beyond the construction of the bypass, the road will remain the most important transport link in the LGA and as such, Council has an advocacy role regarding improvements to the road, particularly upgrades to intersections with Council's own road network that are 'bottlenecks'.

Three actions in the Improvement Plan relevant to this issue are (ACTION 2) the continued advocacy for the commencement of the Coffs Harbour bypass and (ACTION 3) seeking a commitment from RMS for ongoing monitoring of peak hour traffic flows and consideration of implementation of peak hour clearways if required; and (ACTION 4) RMS to undertake traffic modelling of options such as provision of service roads and revised controls at critical intersections, with a view to formulating a program of works to improve traffic flows. This network simulation model should be updated and consultation undertaken on Pacific Highway traffic management and land-use options for the short, medium and long term.

## 5. Lifecycle Management Plan for Sealed Roads

As noted in section 2.3, the management of sealed road assets have been identified as a priority given that they represent almost three quarters of the total value of transport assets.

The lifecycles of the two key components of sealed roads (pavements and surfaces) are intrinsically linked. It is vitally important to recognise that the premature failure of road pavements (the largest value and longest lived component of sealed roads) is often related to the failure of road surfacing (the purpose of which, as well as providing a smooth surface, is to keep water out – the strength of many gravel pavements is far less wet than dry). Thus, an appropriate renewal program of sealed road surfaces can significantly extend the life of sealed road pavements.

Similarly, whilst maintenance and renewal programs for sealed roads are distinct operations, the way in which roads are maintained can significantly extend the useful life of the road pavement and thus delay the need for the significant costs involved in renewal. Put another way, a dollar invested in preventative maintenance can save many more by delaying the costs of renewal and achieving the full design life of the asset.

Managing the asset throughout all phases of the lifecycle – design, construction, operations, maintenance, renewal and disposal – is fundamental to minimising life cycle costs. Whilst these phases are considered separately in what follows, it is important to remember that these must be considered holistically in formulating an optimised lifecycle management plan.

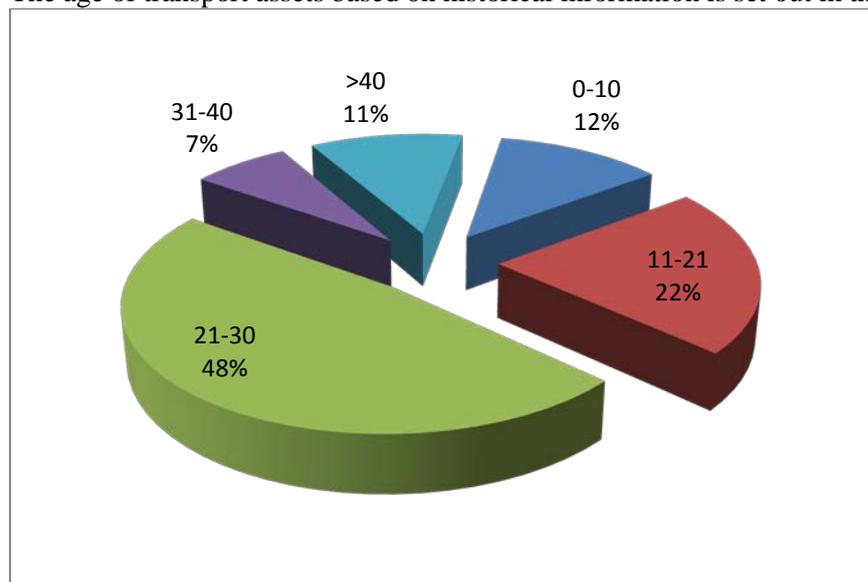
To aid with the preparation of this TAM Plan, an independent report from Moloney Asset Management Systems (the source of Council’s condition assessment methodology) was commissioned. The strategies contained in this Plan align with those recommended by the Moloney assessment.

### 5.1 Background Data

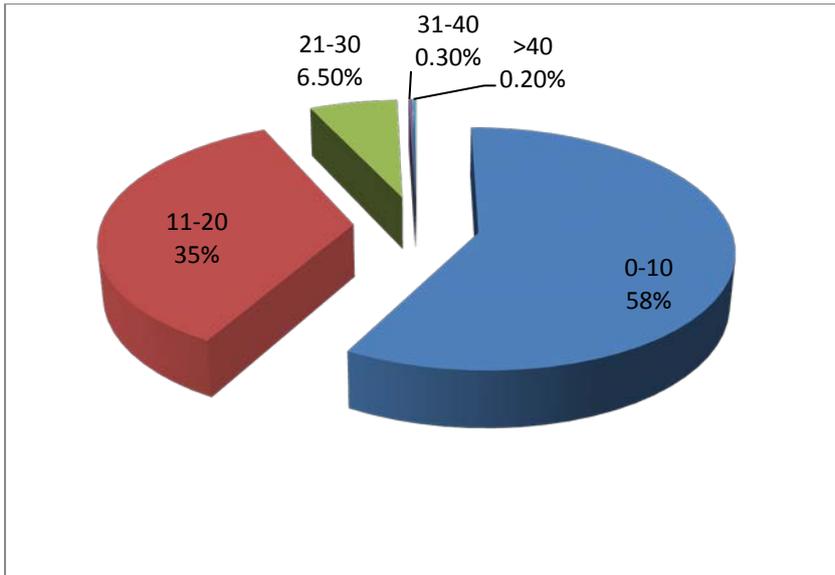
The scope of sealed road assets under Council’s care and control was set out in section 2.4.

#### 5.1.1 Age

The age of transport assets based on historical information is set out in the figure below.



Road pavements



Sealed surfaces

### 5.1.2 General Characteristics of the Sealed Road Network

Whilst roads classified as distributor and collector roads under Council’s road hierarchy are generally built to relevant design standards, many local roads associated with development have been built to minimal standards in previous years in terms of pavement depths, road widths, drainage, etc.

As a consequence, in addition to the higher level of service expectations from residents (i.e. the desire for upgraded asset-related services), these roads present a future liability in terms of maintaining current levels of service. Strengthening of pavements by providing deeper gravel depths will be required. The addition of agents such as lime has limited benefits given that the underlying subgrade materials are poor, and cannot form part of the pavement.

A related problem is that local gravels of Argillite have often been utilised for road pavement materials. This breaks down over time, and many road pavements are deteriorating as a result. In this case, the addition of additives such as lime can strengthen the pavement.

One of the most important factors in the management of the sealed road network is the climate in Coffs Harbour. With a mean average rainfall of just over 1.7m per year, water ingress, which weakens the pavement and speeds up deterioration, is a key issue. It was well said that the three rules of road design are drainage, drainage and drainage.

### 5.1.3 Asset Capacity and Performance

The problems noted above with regards to lower design standards is an issue in terms of asset capacity and performance.

The current (inadequate) levels of funding for maintenance and renewal of the sealed road network is a fundamental barrier to optimising performance of assets in terms of ensuring assets reach (or exceed) their design life and thus minimising lifecycle costs.

Because maintenance programs are reactive rather than proactive, opportunities to improve performance (by extending the life of assets, the time to renewal) have not been realised.

Capacity issues associated with increasing demand due to population growth were discussed in section 4.3.

### 5.1.4 Asset Condition

The condition of sealed road pavements and surfacing is generally assessed every 2 to 3 years, with the most recent inspection being completed in 2011. The development of an asset condition inspection schedule is ACTION 3 in the Asset Management Strategy.

Unfortunately, surveys before 2011 did not separately rate the condition of pavements and surfaces, so it is impossible to compare “apples with apples” and so understand the deterioration over time.

The latest survey was delayed due to resourcing issues, but is due for completion in 2014. As discussed in section 5.1.6 deterioration of the network over the period between surveys will be assessed at this time, as per ACTION 5 of the Improvement Plan.

Certainly, more regular inspections of assets in poor condition are important to gauge deterioration (i.e drop in condition) and identify assets that should receive top priority for renewal. This process is further discussed in section 5.4.

#### Condition assessment methodology

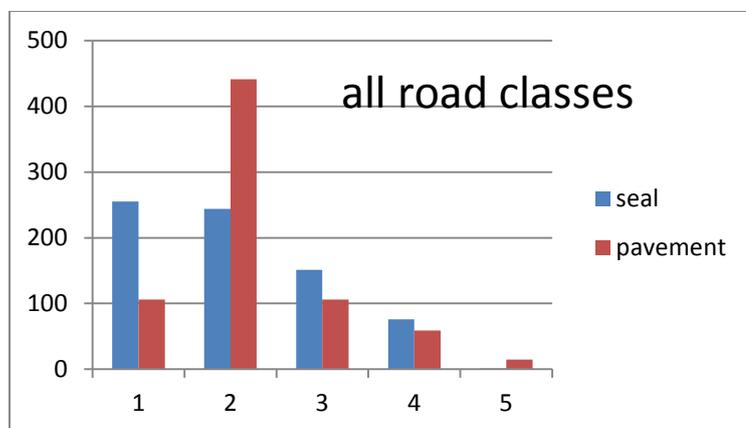
Council uses the Moloney condition assessment system, which rates pavements and surfacing on a scale of 1 to 10 (1 being good, 10 being poor). This is converted to the 1 to 5 scale utilised for the reporting of asset condition in Special Schedule 7 as follows:

| Moloney | SS7 |
|---------|-----|
| 0 -> 1  | 1   |
| 2 -> 3  | 2   |
| 4 -> 5  | 3   |
| 6 -> 7  | 4   |
| 8 -> 10 | 5   |

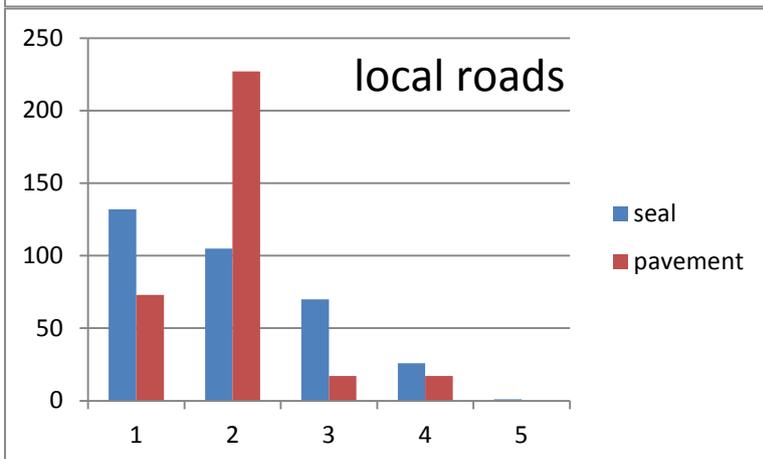
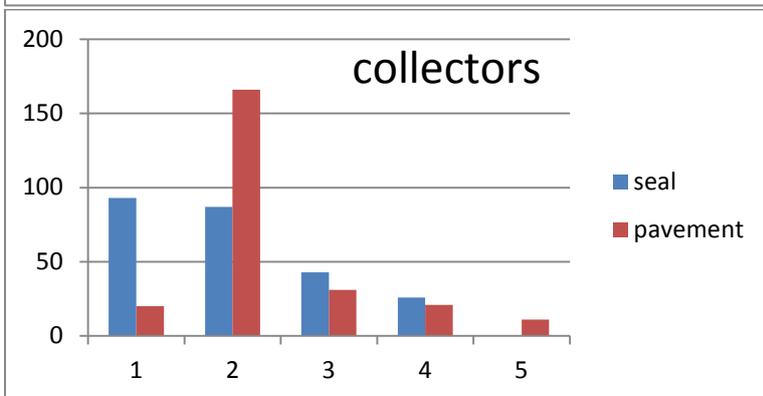
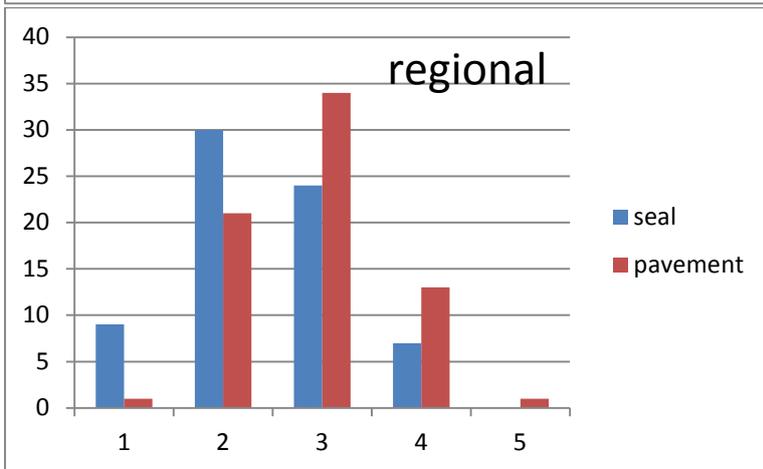
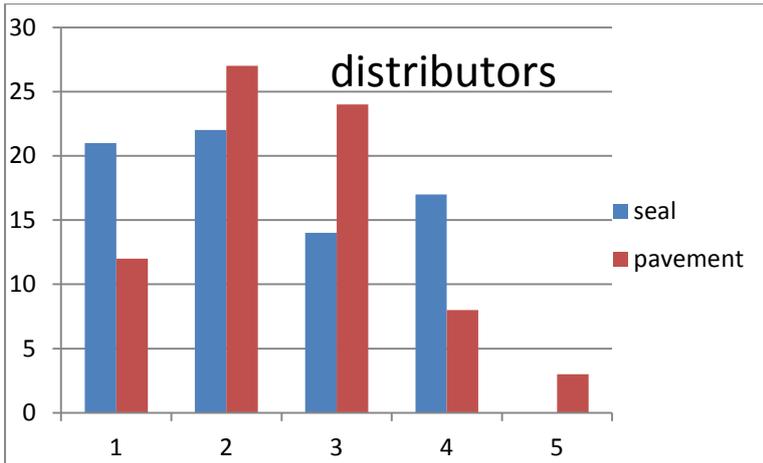
#### Current condition

The graphs below shows the latest results (from the 2011 survey) for sealed road pavements and surfaces for the network as a whole, and also based on road hierarchy.

The backlog of sealed road assets requiring renewal was calculated by determining the replacement value of roads in condition 4 and 5 as discussed in section 5.1.5.



The graphs below show condition of each road on the hierarchy



### 5.1.5 Asset Valuations and Other Calculations for Financial Reporting

Assumptions regarding valuation and useful life have a significant impact on the value of depreciation reported and also funds required / available for future work. Council utilises the IPWEA Valuation Guidelines for roads and bridges as a basis of these figures.

The table below sets out the replacement values for all asset components for sealed roads that was utilised for valuation purposes in the production of Council’s annual financial statements for the year ending 30 June 2013.

| <b>Asset component</b>               | <b>Units</b> | <b>Value / unit</b> |
|--------------------------------------|--------------|---------------------|
| Sealed pavements                     | m2           | 45                  |
| Bitumen surface                      | m2           | 4.5                 |
| Asphaltic concrete surface           | m2           | 30                  |
| Concrete pavement (includes surface) | m2           | 100                 |

As noted in section 8 (as part of the discussion regarding asset management practices), the unit rates for asset renewal utilised for valuation purposes will be reviewed each year based on actual costs of such work in works orders.

Depreciation of sealed road assets is calculated using the straight line method. It is important to distinguish between this (a financial issue) and the deterioration modelling (an asset management issue) discussed in section 5.1.6.

The useful life of an asset defines the number of years over which the expense of acquiring it needs to be spread e.g. if an asset lasts 40 years, then the depreciation expense in any one year will be one fortieth of the replacement value.

The table below defines the useful lives of all asset components of sealed roads that were utilised to determine the depreciation expenses in Council’s annual financial statements for the year ended 30 June 2013.

| <b>Asset component</b>               | <b>Useful life (years)</b> |
|--------------------------------------|----------------------------|
| Sealed pavements                     | 40                         |
| Bitumen surface                      | 18                         |
| Asphaltic concrete surface           | 22                         |
| Concrete pavement (includes surface) | 60                         |

As noted in ACTION 5 in the Improvement Plan and further discussed in section 5.1.6, an analysis of deterioration over time will assist in a refinement of the useful life of assets.

#### *Calculation of Backlog and Required Maintenance for Special Schedule 7*

In the production of Special Schedule 7 (the condition of public works) in Council’s annual financial statements, two figures are required to be determined in addition to valuation information above and the actual costs of asset movements (additions, disposals, depreciation, impairment) that are captured via the works order system (see section 8).

The first of these is the “estimated cost to bring up to a satisfactory condition / standard”, often referred to as the “infrastructure renewal backlog”. The note to the schedule nominates Council as the one who must deem what is satisfactory or not, and notes that this does not include any planned enhancements to the existing asset.

Given that no new information on the condition of sealed roads was available, the 2011 road condition survey remained valid. The figures reported for the year ended 30 June 2012 as to the cost to bring assets up to a satisfactory condition / standard were indexed by 5.6%, based on information from the IPWEA valuation guide for roads and bridges.

ACTION 14 of the Asset Management Strategy is to adopt a common methodology for the calculation of figures reported in Special Schedule 7.

It should be noted that as alternative maintenance and renewal strategies for sealed roads are formalised (noted as ACTION 6 in the Improvement Plan) it is expected that the calculation of this figure will be refined. For example, rather than calculating the estimated cost to bring up to satisfactory as the replacement value of all assets in condition 4 and 5, the cost to bring these roads up to a satisfactory standard may be the cost of heavy patching the failed sections rather than full pavement renewal.

The exploration of alternative maintenance and renewal strategies is discussed in further detail in section 5.4.

For the year ended 30 June 2013 the required annual maintenance expenditure was calculated by indexing the required annual maintenance expense reported for the year ended 30 June 2012 were indexed by 5.6%, based on information from the IPWEA valuation guide for roads and bridges.

With regards to the calculation of this figure the analysis of actual compliance with the draft maintenance response levels of service (ACTION 1 in the Improvement Plan) will include a consideration of a formal mechanism for defining the required maintenance. The required maintenance must be referenced against the level of service to be provided.

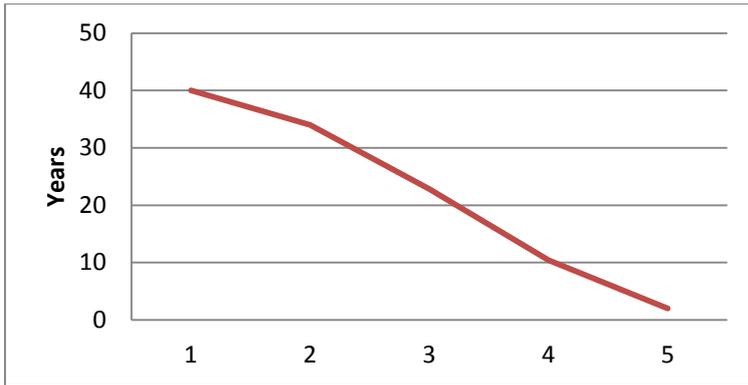
Given that Council cannot achieve the draft maintenance levels of service at all times (e.g. during periods of wet weather), the calculation will have to consider the risk level (i.e. the calculation of the priority for the repair of a maintenance defect) that is deemed serious enough to be “required” to be repaired. The cost of repairing all defects down to this risk prioritisation level will then be the figure reported as the required annual maintenance expense.

### **5.1.6 Deterioration Modelling**

As noted in section 5.1.5, the modelling of depreciation (for financial purposes) is distinct from the modelling of deterioration (for asset management purposes).

The fundamental difference is that while depreciation is a straight line (a loss of an equal portion of the total value of the asset each year), deterioration (the movement of an asset through various levels of condition – from excellent to good to average to poor to very poor, using the terminology of Special Schedule 7) is not. Even though it is close to a straight line, the principle of reviewing deterioration over time will be important in considering revision of useful lives, etc.

Moloney Asset Management Systems offer a deterioration model in addition to their condition assessment system (described in section 5.1.4). This is described in the table and chart below.



Remaining life (years) based on condition

| Condition              | 1  | 2    | 3    | 4   | 5 | Total |
|------------------------|----|------|------|-----|---|-------|
| % of life in condition | 15 | 28   | 31   | 21  | 5 | 100   |
| Years in condition     | 6  | 11.2 | 12.4 | 8.4 | 2 | 40    |

ACTION 5 in the Improvement Plan is to review the actual percentage movement in assets between the 2011 and 2014 surveys against that predicted by the model with a view to refining the model. It should be noted that other factors – such as the relatively dry weather experienced at times over this period, lower than the average median rainfall for Coffs Harbour – must also be considered.

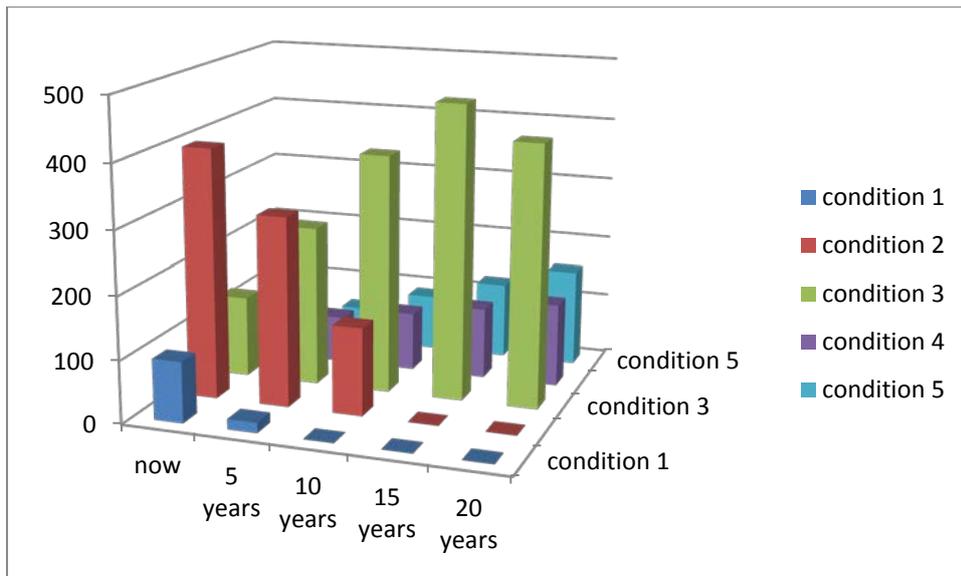
As noted in section 5.1.4, condition surveys prior to 2011 unfortunately rated pavements and surfaces together, so it is impossible to calibrate the actual deterioration over time. This makes the review of the 2014 data against 2011 more important.

Over time, as actual deterioration of assets is reconciled against predictions from the model, forecast of future condition will improve.

Based on the model as it stands and the current condition data, future asset condition has been modelled over time. This is presented in the table and chart below.

| condition | km NOW | km 5 yrs | km 10 yrs | km 15 yrs | km 20 yrs |
|-----------|--------|----------|-----------|-----------|-----------|
| 1         | 97     | 16       | 0         | 0         | 0         |
| 2         | 398    | 301      | 140       | 0         | 0         |
| 3         | 130    | 255      | 381       | 468       | 416       |
| 4         | 55     | 75       | 94        | 114       | 133       |
| 5         | 24     | 57       | 90        | 122       | 155       |
| total     | 704    | 704      | 704       | 704       | 704       |

Based on 2011 condition survey and current deterioration model



**Deterioration of condition over time (km of road in each condition)**

Note that these figures represent the future condition of the sealed road network before any capital renewal programs. Given that Council’s historical funding levels are not sustainable, and that within the next few years all available funds will need to be spent on maintenance and resealing (as discussed in section 5.1.7), this presents a reasonable forecast of future condition without the funds generated from the proposed Special Rate Variation discussed in the Resourcing Strategy.

As can be seen, the model predicts that the length of sealed roads in condition 4 (poor) and 5 (very poor) will increase from around 77km now (i.e. the current infrastructure renewal backlog), to 184km in 10 years and 288km in 20 years.

Clearly, delaying the difficult decision of increasing funding for the renewal of sealed roads will only increase the size of the problem. The community will not only face the costs of renewing the current backlog, but the additional roads that deteriorate into poor or very poor condition over the intervening period. At the same time, the cost of maintaining these roads will increase (as discussed in section 5.1.7).

### 5.1.7 Modelling pavement maintenance costs relative to asset condition

The following table describes the methodology used to estimate the costs of maintaining sealed roads of varying condition. This was based on information from Moloney and local experience.

The analysis of actual expenditure and maintenance accomplishment from Reflect (ACTION 1 of the Improvement Plan), the maintenance management system described in section 8, will enable the accuracy of the apportionment of maintenance costs for each condition level to be improved.

The actual costs of maintenance will be influenced significantly by the draft maintenance response levels of service (ACTION 1, discussed in section 3.3.2) and so will need to be reviewed following any changes to these LoS standards, and in an ongoing way as part of the reporting from the service provider (CityWorks) to the Infrastructure Program branch.

It should also be noted that the model is simplistic in that road hierarchy is not factored in, even though maintenance effort for an asset of equivalent condition is higher (i.e. due to a higher risk priority being allocated to the defect) for a road further up in the hierarchy.

| <b>Determination of Sealed Pavement Maint Costs per km.</b>      |            |              |                |                |                |                |
|--|------------|--------------|----------------|----------------|----------------|----------------|
| <b>Current Annual Expenditure on Sealed Pavement Maintenance</b> |            |              |                |                |                | \$1,330,000    |
| <b>Condition</b>   | <b>1</b>   | <b>2</b>     | <b>3</b>       | <b>4</b>       | <b>5</b>       | <b>Total</b>   |
| <b>Length of Road (km) Year 0</b>                                | 95         | 403          | 127            | 55             | 21             | <b>701</b>     |
| <b>% Apportionment of Maint.</b>                                 | 0          | 5            | 15             | 35             | 45             | <b>100</b>     |
| <b>ProRata km (km x % Maint)</b>                                 | 0          | 2017         | 1899           | 1939           | 927            | 6782           |
| <b>\$ Per Prorata Unit</b>                                       | \$196.11   |              |                |                |                |                |
| <b>Maint \$ Factored Up</b>                                      | \$0        | \$395,541    | \$372,330      | \$380,263      | \$181,867      | \$1,330,000    |
| <b>Average Maint \$/km</b>                                       | <b>\$0</b> | <b>\$981</b> | <b>\$2,942</b> | <b>\$6,864</b> | <b>\$8,825</b> | <b>\$1,897</b> |

Figure 3 – Determination of Sealed Maintenance Costs per Km

Based on these figures, the funding required to maintain current levels of service is as follows:

| <b>Forecasting Sealed Pavement Maintenance Costs</b> |          |           |             |           |           |                    |
|--|----------|-----------|-------------|-----------|-----------|--------------------|
| <b>Condition</b>                                     | <b>1</b> | <b>2</b>  | <b>3</b>    | <b>4</b>  | <b>5</b>  | <b>Total</b>       |
| <b>Length of Road (km) Year 0</b>                    | 95       | 403       | 127         | 55        | 21        | 701                |
| <b>Length of Road (km) Year 5</b>                    | 16       | 303       | 255         | 74        | 53        | 701                |
| <b>Length of Road (km) Year 10</b>                   | 0        | 141       | 383         | 92        | 86        | 701                |
| <b>Average Maint \$/km</b>                           | \$0      | \$981     | \$2,942     | \$6,864   | \$8,825   |                    |
| <b>Check Maint \$ Now</b>                            | \$0      | \$395,541 | \$372,330   | \$380,263 | \$181,867 | <b>\$1,330,000</b> |
| <b>Estimated Maint \$ at Year 5</b>                  | \$0      | \$297,320 | \$750,054   | \$504,943 | \$469,741 | <b>\$2,022,058</b> |
| <b>Estimated Maint \$ at Year 10</b>                 | \$0      | \$137,830 | \$1,125,223 | \$633,793 | \$757,567 | <b>\$2,654,412</b> |

Figure 4 – Forecast Sealed Pavement Maintenance Funding Requirements

The figure below sets out the growth in maintenance costs over time under the scenario where funding for renewals does not increase, i.e. where condition deteriorates over time.

The actual funding required to maintain service levels will be influenced significantly by those service levels and also any deterioration in asset condition.

The need for additional preventative maintenance for pavements is discussed in section 5.3 and has been factored into required increases to achieve a sustainable asset-based service provision at current service levels and minimum life cycle costs.

## 5.2 Risk Management Plan

Council has adopted a Corporate Risk Management Framework which establishes a methodology for the identification of hazards, assessment and management of risks.

Many risks associated with the sealed road network are managed by effective maintenance, as described in section 5.3.

The CityWorks Project Management System (refer section 8 for details) includes the identification, assessment and management of risks associated with operations.

Risks to sealed road assets in addition to these are set out in the following table.

| Hazard                                       | Risk   | Assessment | Controls   |
|--|--|------------|--|
| Unauthorised works undertaken on the roadway | Safety issue creates public liability risk e.g. unprotected excavation, trip hazard, blocking of traffic lanes | M          | Inspections of network to identify and rectify defects. Approval mechanisms for works on roadway (road opening permits). |
| Overloaded vehicles                          | Causes significant pavement damage   | L          | Deterrents such as road regulations are in place   |

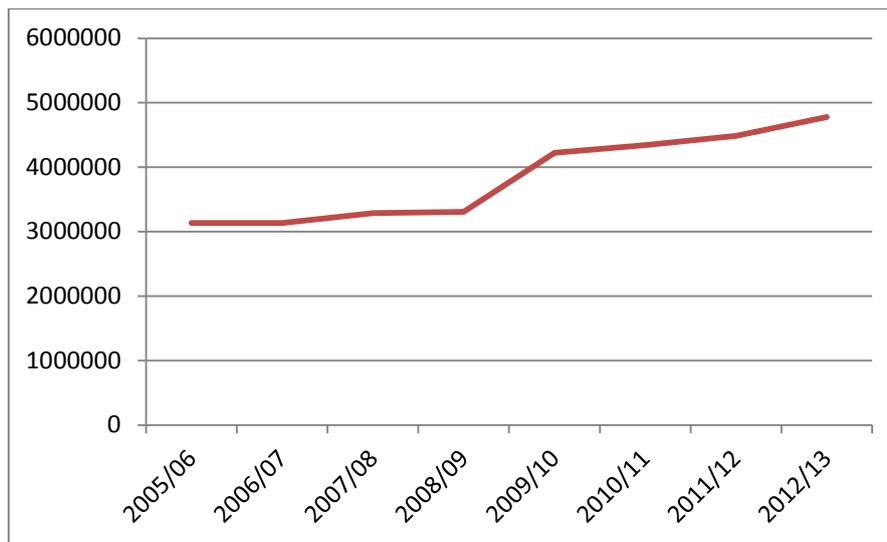
## 5.3 Routine Operations and Maintenance Management Plan

The objectives of routine operations and maintenance are to:

- Ensure the asset delivers the established level of service
- Avoid premature failure of the asset by undertaking timely maintenance, thereby delaying the cost of asset renewal and minimising life cycle costs of providing the asset.

### 5.3.1 Historical funding for sealed road maintenance

The table below sets out the value of maintenance work undertaken on sealed roads over the past eight years.



It is difficult to draw conclusions from the graph. Maintenance expenditure is often related to budgets rather than service levels. Budget increases were restricted between 2009/10 and 2011/12. Interestingly, the number of Customer Requests increased over this time (as set out in section 3.1.1). Customer requests are the best gauge of the historical acceptability of service levels.

The challenge in calculating the required annual maintenance expenditure (as reported in Special Schedule 7) was noted in section 5.1.5, as was the plan to establish a methodology for doing so following analysis of compliance with current draft Maintenance Response Levels of Service.

A factor in the significant jump in 2009/10 was the wet weather and grant funding associated with four natural disaster-declared flood events.

The jump in 2012/13 reflects an increased focus on maintenance over renewal. On 25 October 2012, Council considered a report recommending a shift away from full road reconstructions and towards more major maintenance (e.g. heavy patching) work and bitumen sealing to extend the life of the existing assets. This is discussed further in section 5.3.5 below.

As discussed in section 8, analysis of reporting of maintenance accomplished over time will be a key element of the program management function.

### 5.3.2 Routine Operations Strategy

Routine operations are undertaken to deliver an established level of service, but do not affect the life of the asset. This includes such activities as street sweeping and roadside mowing.

Whilst defects requiring rectification via these activities may require an urgent response (e.g. a major spill of material on a road needs to be swept up because it presents a significant risk), generally such defects are rectified on a cyclical basis as part of a defined “run”.

### 5.3.3 Responsive Maintenance Strategy

The majority of maintenance activities are undertaken in response to the identification of a defect in the asset. The repair of such defects is prioritised in accordance with the draft Maintenance Response Levels of Service and also having regard for Council's available funds.

#### *Defect Identification*

Defects are identified via two main channels:

- customer requests
- programmed inspection of assets specifically to identify defects (the repair may be undertaken at that time in the case of pothole patching on regular “runs”)

#### *Customer Requests*

Customer requests (CRs) are an important source of information for Council about maintenance defects that develop in between programmed inspections.

CRs received by way of phone calls, letters, emails and counter enquiries. During business hours this is generally undertaken by staff in the CityWorks operational area. After hours, phone calls are received by Council's after hours contact centre, and urgent requests referred to on call staff (Operational Coordinators participate in an on call roster).

Details of the request including the location, name of the person reporting it, etc. are recorded in Council's Electronic Content Management (ECM) system (see section 8).

Prioritisation of the repair of defects is discussed below. Note that defects identified through Customer Requests are generally prioritised in the same manner as those identified via asset maintenance inspections. Where appropriate, the customer is informed of the action taken.

#### *Asset Maintenance Inspections*

Assets are inspected in accordance with the schedules set out in the TAM Plan Summary, subject to resourcing. Higher use / more critical assets (i.e. roads higher in the hierarchy) are inspected more regularly.

Defects are recorded in the *Reflect* maintenance management system (refer section 8). Defects requiring immediate repair are also referred to maintenance staff directly.

Inspectors identify and record a defect that, because of its severity and/or extent, meets the minimum recording levels set out in the draft Maintenance Response Levels of Service.

The defect is recorded by selecting the most appropriate description from options in 'drop down' menus on a mobile computer. The location of the defect is recorded automatically via a Geographical Positioning System. The relevant asset is recorded automatically via a link to the Geographical Information System containing locations of the relevant asset. The system is discussed further in section 8.

### *Prioritisation of Defect Repair*

Council has developed a risk-based tool to prioritise the repair of defects. This is based on the Best Practice Manual – Road Network Risk Management developed by Statewide Mutual (the insurer for most NSW Councils) and utilised by the majority of NSW Councils as a means of discharging duty of care and satisfying the requirements of the Civil Liabilities (Personal Responsibility) Act, 2002.

Defects identified via a Customer Request or Asset Maintenance Inspection are assigned a Maintenance Defect Risk Score (out of 100) as a means of prioritising the repair and incorporating higher risk defects into works programs, considering the resources available to repair them. High risk defects get a high score, and low risk defects a low score.

The Maintenance Defect Risk Score is derived from a combination of a number of factors impacting the risk.

**Severity Score:** a score out of 10 which is a reflection of the severity of the defect and it's potential to cause harm. A weighting of 40% is applied to the severity score.

**Location Score:** a score out of 10 which is a reflection of the relative importance and usage of the asset of where the defect is located. A weighting of 40% is applied to the Location Score.

**Position Score:** a score out of 10 which is a reflection of the relative importance of the position of the defect within the asset. A weighting of 20% is applied to the Position Score.

The Risk Score of a particular defect is then calculated according to the following formula:

|            |   |                |   |                    |   |                |   |                    |   |                |   |                    |
|------------|---|----------------|---|--------------------|---|----------------|---|--------------------|---|----------------|---|--------------------|
| Risk Score | = | Location Score | x | Location Weighting | + | Severity Score | x | Severity Weighting | + | Position Score | x | Position Weighting |
|------------|---|----------------|---|--------------------|---|----------------|---|--------------------|---|----------------|---|--------------------|

Council has historically undertaken only very minimal work to repair of significant defects on unmade roads. Examples include repairing a bridge that is in danger of failure and gravelling a particularly steep and slippery section of road.

In the review of the draft Maintenance Response Levels of Service (ACTION 1 in the Improvement Plan), consideration will be given to adding a location score for unmade roads. Given the low importance and usage of such roads, it is expected that only defects with a very high severity score will be identified as priorities for repair.

## ***Response Times***

The draft Maintenance Response Levels of Service establish the target response times for the repair of defects. Times vary in recognition of the risk from immediate action (for defects presenting a high risk to users of the asset) to several years (for defects presenting a low risk).

It is important to note that response times are dependent upon resources available. Without urgent priorities requiring maintenance resources to be devoted elsewhere, it should be expected that the target response times will be met, however in periods of extended wet weather where sealed road assets deteriorate rapidly and maintenance resources are devoted to emergency response, the achievement of these target response times is clearly not possible.

As noted in section 3.3.2, the draft Maintenance Response Levels of Service are to be addressed as ACTION 1 in the Improvement Plan.

### **5.3.4 Emergency Response**

On occasion, Council is required to respond to emergency situations such as flooding, wind storms, landslips, oil spills, traffic accidents etc.

CityWorks large workforce not only in maintenance of sealed roads, but also operations, maintenance and construction of a wide variety of other assets means that Council has a significant capacity to respond to emergencies.

Emergency response works are undertaken with the necessary resources required, without consideration to other planned works for those resources.

### **5.3.5 Preventative Maintenance**

Preventative maintenance specifically in terms of maintenance of sealed roads is focused on to proactive inspections to identify and rectify a defect before it grows larger, and crack sealing of Asphalt surfacing to prevent water ingress.

The key “preventative” technique for sealed roads is resealing as per section 5.4.3.

Actions 9 and 12 of the Asset Management Strategy are relevant in this regard. These relate to the restructure of the general ledger and Capitalisation Policy, each of which will influence classification of works into either maintenance or capital (renewal / rehabilitation).

## 5.4 Renewal Management Plan

### 5.4.1 Target Level of Service

As noted in section 3.3.3, the renewal of road pavements has a direct impact on levels of service and this TAM Plan has been developed on the basis of maintaining current condition across the sealed road network.

This means that the number of kilometres in condition 1, 2, 3, 4 and 5 (as reported in section 5.1.4) should remain consistent (as a minimum), but the worst of these would be identified and renewed, with other roads deteriorating to condition 4 and 5 over time.

### 5.4.2 Prioritisation, Scope and Estimation of Work

A capital works program has been developed (presented in the Appendices) by identifying assets in condition 4 and 5 from the asset register, considering the usage and importance of the road (i.e. the position on the hierarchy set out in section 2.4.2) and evaluating these in the field to verify the accuracy of the information.

In addition to the renewal of pavements and surfacing, such inspections will often identify the need to undertake renewal of associated assets, particularly kerb and gutter but potentially some stormwater drainage pipes as well. As noted in section 6, failed kerb and gutter assets often create pavement and surface failures because water ponds rather than draining away.

Preliminary estimates for such work are based on a unit rate (i.e. \$ per square metre) based on the valuation of such assets in AssetMaster, which are then refined on a site-specific basis as part of the works order process discussed in section 8.

### 5.4.3 Strategy

The Report to Council's 25 October 2012 meeting noted earlier under section 5.3.5, as well as increasing the focus on maintenance, also focused Council's funding on work to extend the life of existing assets rather than renewal (building new assets) and an enhanced resurfacing program.

In summary, around \$1M per year was reallocated to increased maintenance, heavy patching and resealing.

Timely resurfacing of sealed roads is perhaps the "pivotal moment" for this asset category in terms of minimising life cycle costs.

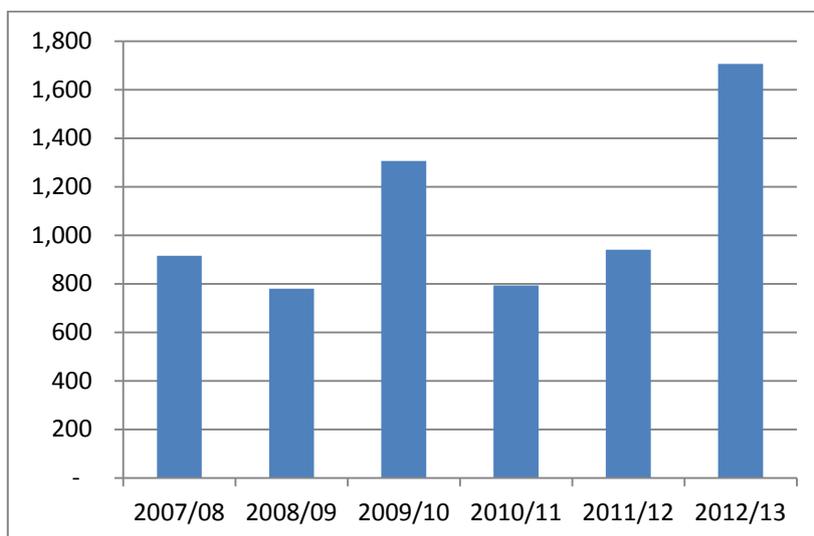
Bitumen and asphalt surfaces act to prevent water ingress into road pavements. This is critical because the wet strength of many gravels (such as those used to construct roads in the local government area – refer section 5.1.2) is far less than the dry strength (think about dry mud versus wet mud).

Bitumen and asphalt surfaces need to be renewed because the bituminous components oxidise over time, making the surface brittle, subject to cracking, which then permits water ingress.

When the figures in section 5.1.5 are considered, and when it is borne in mind that timely resurfacing of a road pavement (currently the useful life is taken to be 18 years, however this is being re-evaluated with a view to increasing the frequency of resealing) will ensure it reaches its design life (40 years) and that the cost of surfacing is far less than pavement rehabilitation / renewal, it is clearly a good investment.

Council often receives queries about “why are they sealing my road – there is nothing wrong with it!”, however this is the reason.

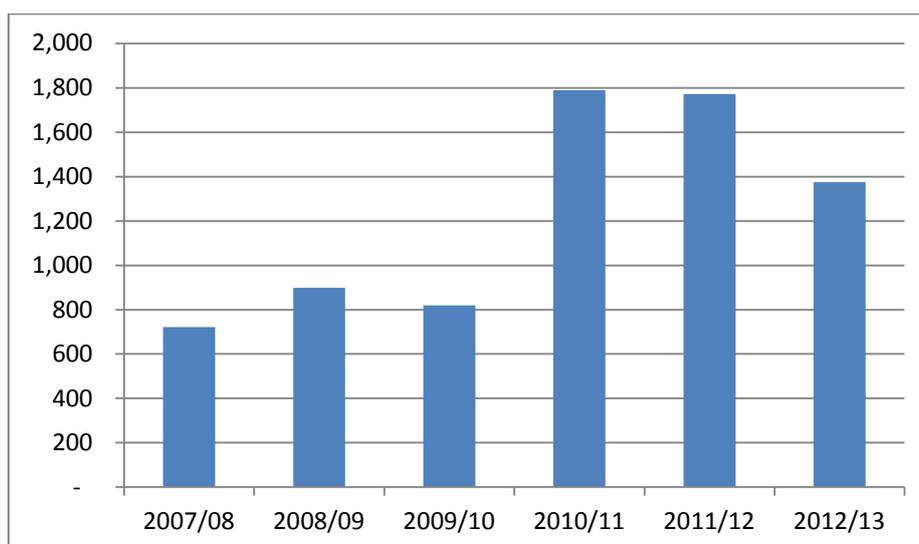
Historical information on resurfacing expenditure is presented in the chart below. It should be noted that the expenditure in this and the pavement renewals is inter-related, with funds transferring between the two, depending on priorities. Prior to 2010/11, significant grant funds were focused on replacing timber bridges given the priorities in this area.



As alternative maintenance and renewal strategies are formulated for sealed roads, the inability to seal those roads requiring a reseal but with pavement in poor condition needs to be considered. Often, this will mean that rehabilitation or renewal of the pavement must occur before resealing.

#### 5.4.4 Renewal of pavements

Historical expenditure on pavement renewal is shown in the chart below.



Proposed capital works (with the aim of maintaining current asset condition across the network) are set out in the Appendices.

A large proportion of the additional \$2M in road renewal expenditure arising from the Special Rate Variation will be focused on renewal of pavements, because this has had to be left (based on the limited funds) to ensure that adequate maintenance was carried out (to maintain service levels and keep roads safe) and to increase resealing programs (to keep water out of pavements).

Over time, a key focus area for the Roads Program Engineer will be on the optimisation of such programs using a variety of treatments to extend the useful life of existing assets in preference to building new ones. ACTION 6 in the Improvement Plan is the review of Maintenance and Renewal Strategies for Sealed Roads.

## **5.5 Creation / acquisition / upgrade Plan**

Council acquires new transport assets primarily from development.

Forecast acquisitions from development are set out in the table below.

An analysis of acquisitions from previous years will be provided in future updates of this TAM Plan.

| \$,000                              | 2013/14     | 2014/15     | 2015/16     | 2016/17     | 2017/18     | 2018/19     | 2019/20     | 2020/21     | 2021/22     | 2022/23     | Total        |
|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| Old Easements & Road Matters        | 5           | 5           | 5           | 5           | 6           | 6           | 6           | 6           | 6           | 6           | 56           |
| Dust Sealing                        |             |             | 186         | 191         | 197         | 203         | 209         | 215         | 222         | 228         | 1651         |
| Corindi Roads Upgrades              | 163         |             |             |             |             |             |             |             |             |             | 163          |
| Newmans Road Highway Intersection   |             |             | 800         |             |             |             |             |             |             |             | 800          |
| Moonee Collector Road               | 160         | 165         | 180         | 170         | 165         | 160         | 160         | 160         | 160         | 160         | 1640         |
| West Korora Road Upgrade            |             | 550         |             |             |             |             |             |             |             |             | 550          |
| Park Beach Traffic Calming          | 57          |             |             |             |             |             |             |             |             |             | 57           |
| West Coffs Collector Roads          | 250         | 500         |             |             |             | 500         |             |             |             |             | 1250         |
| N Boambee Valley Collector Roads    | 250         |             |             | 500         |             |             | 500         |             |             |             | 1250         |
| N Bonville Valley Collector Roads   |             | 250         |             |             |             |             |             |             |             |             | 250          |
| Hearnes Lake Collector Roads        | 350         |             |             | 450         |             |             |             |             |             |             | 800          |
| South Coffs Collector Roads         |             |             | 250         |             |             |             |             |             |             |             | 250          |
| Hogbin Drive intersections          |             | 300         |             |             | 300         |             |             |             |             |             | 600          |
| Local roads from subdivisions       | 1400        | 1442        | 1485        | 1530        | 1576        | 1623        | 1672        | 1722        | 1773        | 1827        | 16049        |
| Footpaths Construction              | 200         | 206         | 212         | 219         | 225         | 232         | 239         | 246         | 254         | 261         | 2294         |
| Cycleways Construction              | 500         | 515         | 530         | 546         | 563         | 580         | 597         | 615         | 633         | 652         | 5732         |
| Bus Shelter Construction            | 11          | 11          | 12          | 12          | 12          | 13          | 13          | 13          | 14          | 14          | 125          |
| Woolgoolga Car Parking Construction |             | 300         |             |             |             | 50          |             |             |             |             | 350          |
| Jetty Area Car parking Construction |             |             | 200         |             |             | 250         |             |             |             |             | 450          |
| Roads Survey/Acquisition            | 30          | 31          | 32          | 33          | 34          | 35          | 36          | 37          | 38          | 39          | 346          |
| Roads & Traffic Signs - New         | 21          | 22          | 22          | 23          | 24          | 24          | 25          | 26          | 27          | 27          | 241          |
| Traffic Facilities - Council Roads  | 16          | 16          | 17          | 17          | 18          | 19          | 19          | 20          | 20          | 21          | 182          |
| Traffic Safety Improvements         | 21          | 22          | 22          | 23          | 24          | 24          | 25          | 26          | 27          | 27          | 241          |
| Traffic Infrastructure Improvements | 21          | 22          | 22          | 23          | 24          | 24          | 25          | 26          | 27          | 27          | 241          |
| <b>Total</b>                        | <b>3455</b> | <b>4357</b> | <b>3976</b> | <b>3742</b> | <b>3167</b> | <b>3743</b> | <b>3526</b> | <b>3111</b> | <b>3200</b> | <b>3291</b> | <b>35568</b> |

Forecast acquisitions – Transport Assets

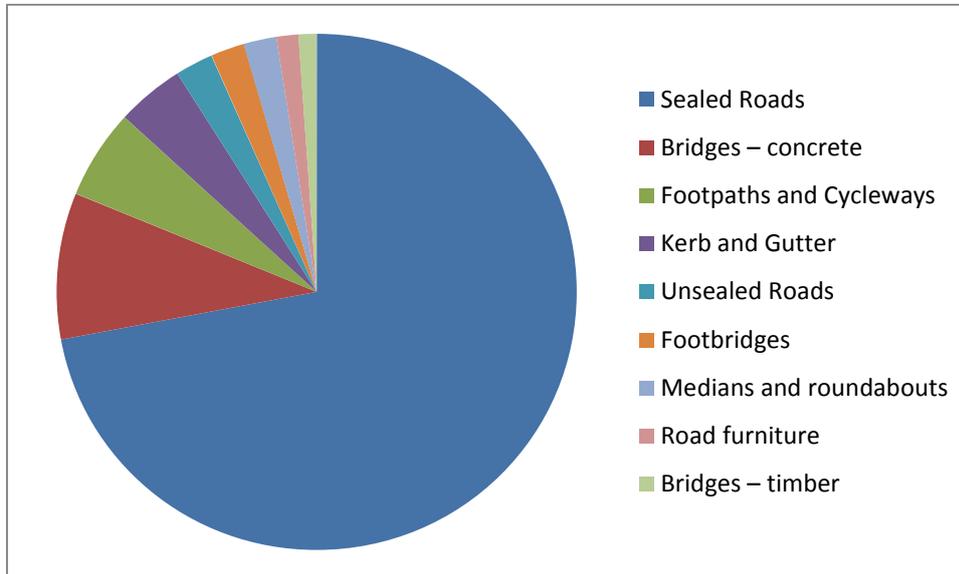
## 5.6 Disposal plan

Generally, old road assets are disposed of when they are renewed. The assets disposed of are identified as part of the Works Order process involving renewal of assets as per section 8.

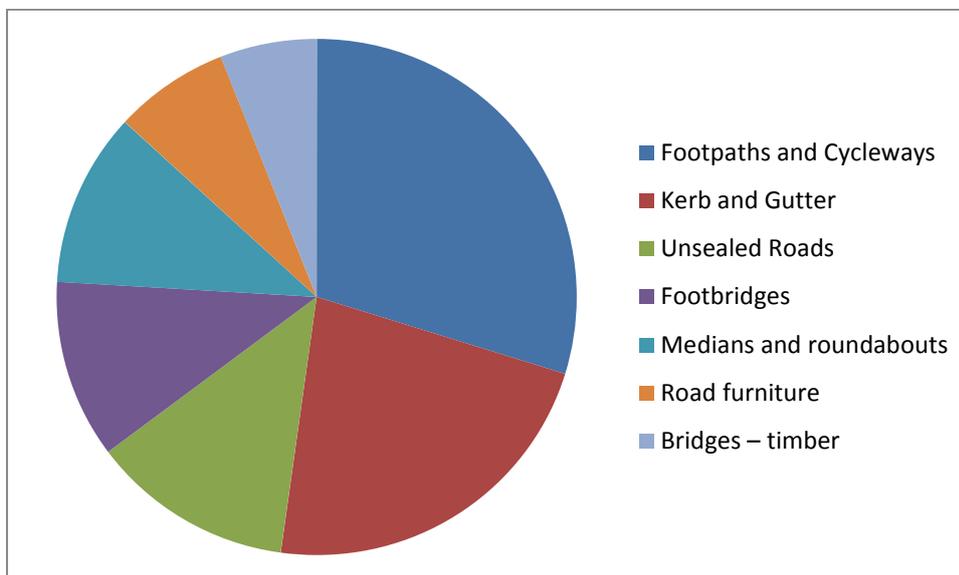
## 6. Lifecycle Management Plan for Other Transport Assets

### 6.1 Scope

The replacement value of other transport assets is very small in comparison to sealed road assets as shown in the chart below (the order has been arranged in descending value).



When sealed roads (lifecycle management plan considered in section 5) and the next largest asset class, concrete bridges are eliminated (these assets have a useful life of 100 years) the remaining value of assets is as follows.



Whilst significant, the same degree of rigour has not yet been applied to developing lifecycle management plans for these asset categories in view of limited resources to do so. Together, these other transport assets represent \$117M or 19% of the total value of transport assets. The broad principles of lifecycle management for these asset categories are set out in section 6.3.

## 6.2 Identification and prioritisation of defects

Inspections carried out as part of road maintenance defect inspections (refer section 5.3.3) cover most other transport assets apart from bridges and footpaths, each of which are inspected in specific programs.

Assets requiring renewal are also identified during specific inspections to determine asset condition as opposed to maintenance defects. Note that action 3 of the Asset Management Strategy involves development of a 5 year asset inspection program.

Often, as noted in section 5.4 above, kerb and gutter defects are rectified as part of renewal works on sealed road pavements.

## 6.3 Lifecycle Management for other Transport Assets

The key principles of lifecycle management for each asset class to minimise costs and meet current service levels are discussed below.

### Concrete bridges

Critical to achieving design life for those assets within the tidal zone is cathodic protection. This is installed on all such bridges, and includes a periodic testing to ensure this is still working.

Otherwise, maintenance involves clearing of scuppers (drain holes) and accumulated flood debris as required.

### Footpaths and Cycleways

Responsive maintenance required is generally grinding of trip hazards, and clearing of vegetation on high-use cycleways.

### Kerb and Gutter

Street sweeping operations (5.3.1) clean debris to reduce litter flowing to the environment after rain, but otherwise little maintenance is required. Council is increasingly installing subsoil drainage as a means of draining water from beneath kerb and/or in the adjacent pavement to prevent failure from wetting up of pavements. Garbage trucks are the biggest source of kerb failure, as these regularly drive on the edge of pavements. Also, buses do similar damage.

### Unsealed Roads

Council undertakes regular grading programs to re-establish effective drainage on unsealed roads. This is important to shed water from the gravel surface (thus avoiding faster erosion of the gravel pavement) and restore acceptable ride quality to the road surface. Drainage maintenance (table drains) and restoration of guideposts are usually undertaken in conjunction with this work.

### Footbridges (including boardwalks)

Footbridges are maintained similar to trafficable bridges, depending on the material of construction. Work includes securing timber planks, cleaning scuppers, debris, etc.

## **Medians and Roundabouts**

Medians and roundabouts constructed as per sealed pavements were included in section 5. Other material types are maintained to respond to defects as required.

## **Road furniture**

Council has an extensive number of road signs and street furniture. A large proportion of signs (around 527) and around 200m of guardrail is identified as being in need of renewal as of 2011.

## **Timber Bridges**

Timber bridges are often a vital link for rural areas with one way in and one way out of a valley. A Special Rate Variation specifically for timber bridges was commenced in 2008 which has enabled Council to replace several timber bridges each year with concrete.

Maintenance works include repairing loose planks and clearing flood debris. Often, individual members are replaced rather than the entire structure.

## **8. Asset Management Practices**

### **Asset Tasks and Duties**

The Asset Tasks and Duties Procedure describes the key processes associated with Asset Management generally.

### **Service Level Agreement**

A Service Level Agreement has been prepared setting out the roles, responsibilities and key processes between branches in the City Infrastructure Services division.

### **Monthly Reporting**

Monthly reporting systems for reporting of maintenance accomplishment and cost are to be developed for reporting from the Service Provider (CityWorks) to the Infrastructure Program Management Branch. ACTION 7 in the Improvement Plan.

These reports will be reviewed by the Roads Program Engineer, who is responsible for reporting on progress in the implementation of Council's Delivery Program regarding transport assets to Council as part of normal corporate (six monthly) reporting processes.

### **Standards**

Council has adopted AusSpec specification and documentation (as amended) as the standard to which it constructs and maintains its civil infrastructure, including infrastructure acquired through a development process.

Where the AusSpec documentation does not address a relevant work activity, industry practice as well as the Australian Standards form the basis of the standard for that activity.

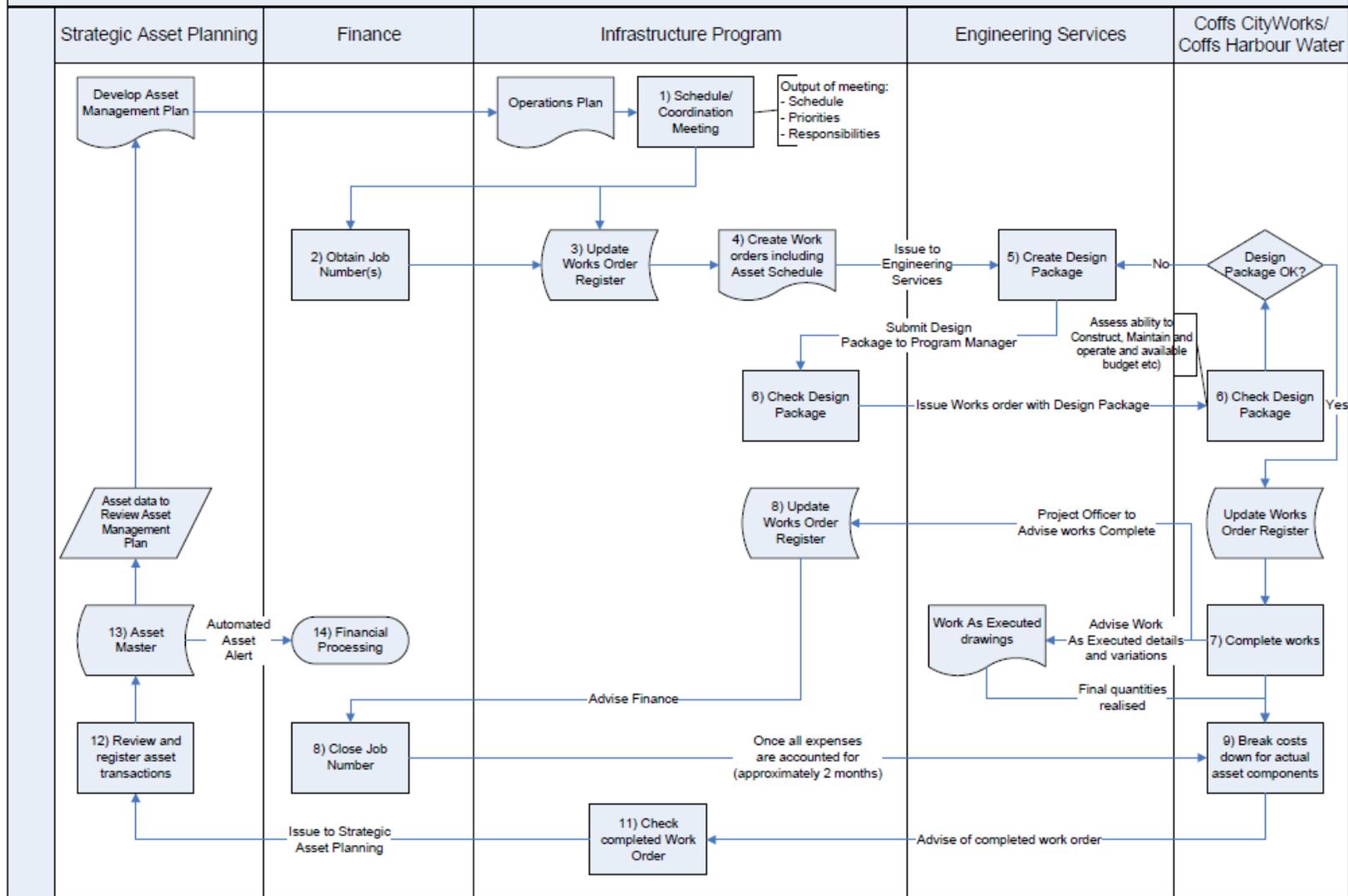
### **Works Orders**

The attached flowchart details the Works Order process utilised for capital works. This process ensures:

- Works are accurately scoped and estimated prior to commencement
- Details of asset creation (asset category, quantities and cost) is collected to enable updating of Council's asset register
- Details of each asset disposed of (by asset ID) is recorded.

Current status of works orders is an agenda item at Asset Accounting Team Meetings.

# Asset Work Order Process



## 9. Improvement Plan

The improvement actions identified throughout the Plan are summarised in the table below.

| Action | Section                 | Details  | Who                                    | When           |
|--------|-------------------------|--|--|----------------|
| 1      | 3.3.2<br>5.1.7<br>5.3.3 | Review capacity to achieve draft Maintenance Response Levels of Service (for adoption by Council in updated TAM Plan), including the costs of maintaining assets of varying condition and add a location score for unmade roads  | Roads Program Engineer                 | September 2014 |
| 2      | 4.3.2                   | Continued advocacy for the commencement of the Coffs Harbour bypass  | Council                                | Ongoing        |
| 3      | 4.3.2                   | Seek a commitment from RMS for ongoing monitoring of peak hour traffic flows and consideration of implementation of peak hour clearways if required  | Executive Manager Engineering Services | May 2014       |
| 4      | 4.3.2                   | Seek RMS commitment to undertake traffic modelling of options such as provision of service roads and revised controls at critical intersections, with a view to formulating a program of works to improve traffic flows. This network simulation model should be updated and consultation undertaken on Pacific Highway traffic management and land-use options for the short, medium and long term. | Executive Manager Engineering Services | May 2014       |
| 5      | 5.1.4<br>5.1.6          | Compare deterioration of road assets from 2011 and 2014 road condition surveys and compare against deterioration model   | Manager Strategic Asset Planning       | February 2015  |
| 6      | 5.1.5<br>5.4.4          | Review of maintenance and renewal strategies for sealed roads  | Roads Program Engineer                 | August 2014    |
| 7      | 8                       | Development of monthly reports on accomplishment, cost and compliance with levels of service for transport assets  | Roads Program Engineer                 | May 2014       |

As this TAM Plan is reviewed and improved, formal performance measures will be developed.

## Appendices

1. Proposed Capital Works Program - Roads
2. Proposed Capital Works Program - Other Transport Assets

## **Appendix 1 – Proposed Capital Works Program – Roads**

# Appendix 1

## 10 year road renewal program

| Road or Street Name   | District Location | Estimated Rehab. Cost (\$) | Program Year | Rate per sq metre | increased maintenance costs | available rehab funds | cumulative cost \$ |
|---|-------------------|----------------------------|--------------|-------------------|-----------------------------|-----------------------|--------------------|
| BONVILLE ST : From : RALEIGH ST To : CURACOA ST             | COFFS HARBOUR     | 32,190                     | 2014-15      | Year 1 \$50.00    | 200,000                     | 692,000               | 32,190             |
| MULLAWAY : From : SH 10 To : ARRAWARRA RD                   | NTH BEACHES       | 192,700                    | 2014-15      |                   |                             |                       | 224,890            |
| JORDAN : From : CAMPERDOWN ST To : BOAT RAMP ENT            | COFFS HARBOUR     | 198,660                    | 2014-15      |                   |                             |                       | 423,550            |
| JORDAN : From : 556M To : END                               | COFFS HARBOUR     | 188,000                    | 2014-15      |                   |                             |                       | 611,550            |
| BORONIA : From : PARK To : END                              | SAWTELL           | 66,000                     | 2014-15      |                   |                             |                       | 66,000             |
| NEWMAN ST: From : BULTITUDE ST To : END OF NEWMAN ST        | WOOLGOOLGA        | 25,750                     | 2014-15      |                   |                             |                       | 91,750             |
| MARKET : From : NIGHTINGALE ST To : QUEEN ST                | WOOLGOOLGA        | 198,380                    | 2014-15      |                   |                             |                       | 290,130            |
| BEACH : From : HEADLAND RD To : LAKESIDE DR                 | SAPPHIRE          | 104,160                    | 2014-15      |                   |                             |                       | 394,290            |
| BEACH : From : LAKESIDE DR To : END                         | SAPPHIRE          | 42,900                     | 2014-15      |                   |                             |                       | 437,190            |
| HIBISCUS : From : LAKESIDE DR To : END                      | SAPPHIRE          | 38,540                     | 2014-15      |                   |                             |                       | 475,730            |
| POINCIANNA : From : LAKESIDE DR To : END                    | SAPPHIRE          | 36,900                     | 2014-15      |                   |                             |                       | 512,630            |
| LAKESIDE : From : POINCIANNA AVE To : END                   | SAPPHIRE          | 66,010                     | 2014-15      |                   |                             |                       | 578,640            |
| FITZGERALD : From : 86M To : END                            | COFFS HARBOUR     | 82,875                     | 2014-15      |                   |                             |                       | 661,515            |
| ELEVENTH : From : ELIZABETH ST To : FIRST AVE               | SAWTELL           | 60,480                     | 2014-15      |                   |                             |                       | 722,000            |
| HARRISON : From : KEN PL To : BAYLDON RD                    | SAWTELL           | 83,790                     | 2014-15      |                   |                             |                       | 805,790            |
| HARRISON : From : MEDIUM To : KEN PL                        | SAWTELL           | 55,860                     | 2014-15      | 861,650           |                             |                       |                    |
| HARRISON : From : LYONS RD To : MEDIUM                      | SAWTELL           | 61,200                     | 2014-15      | 922,850           |                             |                       |                    |
| <b>TOTAL FOR 2014-15</b>                                    |                   | <b>1,534,395</b>           |              |                   |                             |                       |                    |
| BOULTWOOD ST : From : OCEAN PDE To : HOGBIN DR NTH          | COFFS HARBOUR     | 115,607                    | 2015-16      | Year 2 \$51.50    | 892,000                     | -                     | 0                  |
| PIPECLAY : From : MACDOUGALL ST To : END                    | CORINDI           | 80,943                     | 2015-16      |                   |                             |                       | 80,943             |
| ELSWICK : From : ISLES DR To : END                          | COFFS HARBOUR     | 99,900                     | 2015-16      |                   |                             |                       | 180,843            |
| GUNDAGAI : From : HIGH ST To : END                          | COFFS HARBOUR     | 54,508                     | 2015-16      |                   |                             |                       | 235,351            |
| KORORA SCHOOL : From : JAMES SMALL DR To : SCOUR VALVE      | KORORA            | 48,328                     | 2015-16      |                   |                             |                       | 283,679            |
| KORORA SCHOOL : From : SCOUR VALVE To : HIGHWAY             | KORORA            | 152,363                    | 2015-16      |                   |                             |                       | 436,042            |
| JAMES SMALL : From : KORORA SCHOOL DR To : START CONCRETE F | KORORA            | 103,453                    | 2015-16      |                   |                             |                       | 539,495            |
| JAMES SMALL : From : START CONCRETE F/P To : END KERB       | KORORA            | 84,831                     | 2015-16      |                   |                             |                       | 624,326            |
| JAMES SMALL : From : NORMAN HILL DR To : PLANTAIN RD        | KORORA            | 91,928                     | 2015-16      |                   |                             |                       | 716,254            |
| HARBOUR : From : SALAMANDER ST To : HARDACRE ST             | COFFS HARBOUR     | 82,977                     | 2015-16      |                   |                             |                       | 799,231            |
| HARBOUR : From : HOGBIN DR To : DIBBS ST                    | COFFS HARBOUR     | 319,218                    | 2015-16      |                   |                             |                       | 1,118,449          |
| MULLAWAY : From : RAINBOW AVE EAST To : THE BOULEVARDE      | NTH BEACHES       | 47,390                     | 2015-16      |                   |                             |                       | 1,165,839          |
| MULLAWAY : From : ARRAWARRA RD To : DARKUM RD               | NTH BEACHES       | 229,422                    | 2015-16      |                   |                             |                       | 1,395,261          |
| EMERALD HEIGHTS : From : ANSELMO CL To : STEFAN CL          | EMERALD BEACH     | 95,852                     | 2015-16      |                   |                             |                       | 1,491,113          |
| WATERLOO : From : NIGHTINGALE ST To : QUEEN ST              | WOOLGOOLGA        | 77,466                     | 2015-16      |                   |                             |                       | 1,568,579          |
| AUBREY : From : END DIVIDED RD To : THOMPSONS RD            | COFFS HARBOUR     | 279,182                    | 2015-16      | 1,847,761         |                             |                       |                    |
| CHARLOTTE : From : END A/C To : END                         | COFFS HARBOUR     | 23,031                     | 2015-16      | 1,870,792         |                             |                       |                    |
| GROSS MICHEL : From : NORMAN HILL DR To : END               | KORORA            | 22,413                     | 2015-16      | 1,893,205         |                             |                       |                    |
| HEADLAND : From : BEACH RD To : ELOURA DR                   | SAPPHIRE          | 67,980                     | 2015-16      | 1,961,185         |                             |                       |                    |
| HURLEY : From : RAY MCCARTHY DR To : END                    | COFFS HARBOUR     | 55,744                     | 2015-16      | 2,016,929         |                             |                       |                    |
| RAY MCCARTHY : From : HURLEY DR NTH To : HURLEY DR STH      | COFFS HARBOUR     | 207,339                    | 2015-16      | 2,224,268         |                             |                       |                    |
| <b>TOTAL FOR 2015-16</b>                                    |                   | <b>2,339,872</b>           |              |                   |                             |                       |                    |
| GORDON : From : VERNON ST To : COFF ST                      | COFFS HARBOUR     | 269,575                    | 2016-17      | Year 3 \$53.05    |                             |                       |                    |
| RIVER : From : BEACH ST To : GORDON ST                      | WOOLGOOLGA        | 90,898                     | 2016-17      |                   |                             |                       | 90,898             |
| TURON : From : BULTITUDE ST (STH) To : KIM CL               | WOOLGOOLGA        | 270,911                    | 2016-17      |                   |                             |                       | 361,809            |
| WINGARA : From : FRASER DVE To : FRASER DVE (NTH)           | COFFS HARBOUR     | 129,356                    | 2016-17      |                   |                             |                       | 491,165            |
| WINGARA : From : O'KEEFE DVE To : COOK DVE                  | COFFS HARBOUR     | 98,833                     | 2016-17      |                   |                             |                       | 589,998            |
| OCEAN : From : PRINCE ST To : BOULTWOOD ST                  | COFFS HARBOUR     | 99,104                     | 2016-17      |                   |                             |                       | 689,102            |
| WOODHOUSE : From : RUSHTON AVE To : END DIVIDED ROAD        | MOONEE            | 14,587                     | 2016-17      |                   |                             |                       | 703,689            |
| WOOLGOOLGA CREEK : From : 1095 To : 1497                    | WOOLGOOLGA        | 179,122                    | 2016-17      |                   |                             |                       | 882,811            |
| COMBINE : From : ELIZABETH ST To : GARDINER AVE             | COFFS HARBOUR     | 58,997                     | 2016-17      |                   |                             |                       | 941,808            |
| COMBINE : From : GRAFTON ST To : ELIZABETH ST               | COFFS HARBOUR     | 30,565                     | 2016-17      |                   |                             |                       | 972,373            |
| MATHIE : From : CORNISH ST To : START PAVERS                | COFFS HARBOUR     | 23,616                     | 2016-17      |                   |                             |                       | 995,989            |
| ROBERT GARRETT : From : REID DR To : LOUDEN CL              | COFFS HARBOUR     | 223,627                    | 2016-17      |                   |                             |                       | 1,219,616          |
| CORNISH : From : END PAVERS To : REID DR                    | COFFS HARBOUR     | 74,857                     | 2016-17      |                   |                             |                       | 1,294,473          |
| CORNISH : From : START PAVERS To : END PAVERS NO1           | COFFS HARBOUR     | 5,347                      | 2016-17      |                   |                             |                       | 1,300,000          |
| CORNISH : From : START PAVERS To : END PAVERS NO5           | COFFS HARBOUR     | 14,258                     | 2016-17      |                   |                             |                       | 1,314,258          |
| REID : From : START PAVERS To : END PAVERS                  | COFFS HARBOUR     | 4,350                      | 2016-17      |                   |                             |                       | 1,318,608          |
| CORNISH : From : START PAVERS To : END PAVERS NO7           | COFFS HARBOUR     | 5,347                      | 2016-17      |                   |                             |                       | 1,323,955          |
| REID : From : THOMPSONS RD To : ROBERT GARRETT ST           | COFFS HARBOUR     | 63,803                     | 2016-17      |                   |                             |                       | 1,387,758          |
| BULTITUDE : From : BEACH ST To : TURON PDE                  | WOOLGOOLGA        | 89,710                     | 2016-17      |                   |                             |                       | 1,477,468          |
| SAFETY BEACH : From : SCHOFIELD DR To : SCHOFIELD DR        | NTH BEACHES       | 198,951                    | 2016-17      |                   |                             |                       | 1,676,419          |
| HOWSETT : From : CHRISTMAS BELLS RD To : START DUST SEAL    | COFFS HARBOUR     | 15,447                     | 2016-17      |                   |                             |                       | 1,691,866          |
| HOWARD : From : END OF KERB To : END OF SERVICE RD          | COFFS HARBOUR     | 130,618                    | 2016-17      |                   |                             |                       | 1,822,484          |
| LAWSON : From : LAWSON CRES (EAST) To : CREEK END           | COFFS HARBOUR     | 79,939                     | 2016-17      |                   |                             |                       | 1,902,423          |

from year 5 there will be no funds available for road rehabilitation as all the road to recovery funds will be needed for road maintenance

## Appendix 1

|   |               |                  |         |                |
|---|---------------|------------------|---------|----------------|
| NINE LANE : From : GORDON ST To : END                         | COFFS HARBOUR | 19,096           | 2016-17 |                |
| NORTHSIDE : From : YORK ST To : END KERB                      | COFFS HARBOUR | 36,468           | 2016-17 |                |
| PARK AVENUE LANE : From : EARL ST To : START OF KERB & GUTTER | COFFS HARBOUR | 38,962           | 2016-17 |                |
| SMITH ST : From : END KERB To : CRABBE ST                     | WOOLGOOLGA    | 50,923           | 2016-17 |                |
| THREE : From : BRODIE DR To : VOST ST                         | COFFS HARBOUR | 28,856           | 2016-17 |                |
| WESTSIDE : From : KING ST To : END                            | COFFS HARBOUR | 61,617           | 2016-17 |                |
| CAVANBA : From : WOLLONGBA PL To : JEFFRESS PL                | TOORMINA      | 57,575           | 2016-17 |                |
| GARDINER : From : COMBINE ST To : TO END                      | COFFS HARBOUR | 27,955           | 2016-17 |                |
| HOWARD LANE : From : DIBBS ST To : BARRIE ST (HOWARD LANE)    | COFFS HARBOUR | 17,346           | 2016-17 |                |
| MCIVER : From : ALEXANDER ST To : START DUSTSEAL              | WOOLGOOLGA    | 12,476           | 2016-17 |                |
| HARBOUR : From : EARL ST To : CURACOA ST                      | COFFS HARBOUR | 289,201          | 2016-17 |                |
| HOWARD : From : SERVICE RD To : END OF KERB                   | COFFS HARBOUR | 234,332          | 2016-17 |                |
| <b>TOTAL FOR 2016-17</b>                                      |               | <b>3,046,624</b> |         |                |
| RED ROCK RD : From : 50KM SIGN To : LAWSON ST                 | CORINDI       | 218,622          | 2017-18 | Year 4 \$54.64 |
| MARCIA : From : CORAL AVE To : JUNE ST                        | COFFS HARBOUR | 131,734          | 2017-18 |                |
| CORAL : From : MARCIA ST To : PRINCE JAMES AVE                | COFFS HARBOUR | 82,610           | 2017-18 |                |
| PRINCE JAMES : From : BAILEY AVE To : CORAL AVE               | COFFS HARBOUR | 219,835          | 2017-18 |                |
| KORORA BAY : From : MIRANDA PL To : SANDY BEACH DR            | KORORA        | 45,108           | 2017-18 |                |
| BEACON : From : TAYLOR CL To : LIGHTS ST                      | EMERALD BEACH | 78,966           | 2017-18 |                |
| SCHAFFER : From : FORD ST To : RED ROCK RD                    | RED ROCK      | 70,481           | 2017-18 |                |
| MACKAYS : From : END OF KERB To : BRAY ST                     | COFFS HARBOUR | 46,026           | 2017-18 |                |
| COMBINE : From : DYER ROAD To : MURPHY CRES                   | COFFS HARBOUR | 57,324           | 2017-18 |                |
| PIPE CLAY : From : OLD HIGHWAY To : 257                       | NTH BEACHES   | 120,757          | 2017-18 |                |
| SCARBOROUGH : From : BEACH ST To : SHORT ST                   | WOOLGOOLGA    | 66,438           | 2017-18 |                |
| CROSSMAGLEN : From : BAKES RD To : END                        | BONVILLE      | 659,734          | 2017-18 |                |
| CORNISH : From : START PAVERS To : END PAVERS NO3             | COFFS HARBOUR | 15,298           | 2017-18 |                |
| EUGOURIE : From : MURRAY DR To : END                          | COFFS HARBOUR | 36,224           | 2017-18 |                |
| KNOX : From : KNOX ST To : NASH LNE                           | WOOLGOOLGA    | 21,111           | 2017-18 |                |
| PARK AVENUE LANE : From : START OF KERB & GUTT To : GORDON ST | COFFS HARBOUR | 31,962           | 2017-18 |                |
| HULBERTS : From : BUCKMAN CL To : WALLIS AVE                  | TOORMINA      | 166,073          | 2017-18 |                |
| WAKELANDS : From : HIGHWAY To : FAIRVIEW RD                   | MOONEE        | 147,070          | 2017-18 |                |
| CREEK TOWERS : From : ELBOW ST To : CONCRETE                  | COFFS HARBOUR | 20,674           | 2017-18 |                |
| BONVILLE WATERS : From : LYONS RD To : CUNNINGHAM CR          | TOORMINA      | 57,805           | 2017-18 |                |
| WEST ARGYLL : From : END K@G To : JOYCE ST                    | COFFS HARBOUR | 149,878          | 2017-18 |                |
| SHORT : From : BEACH ST To : SCARBOROUGH ST                   | WOOLGOOLGA    | 94,849           | 2017-18 |                |
| ROBERT GARRETT : From : LOUDEN CL To : CORNISH ST             | COFFS HARBOUR | 53,199           | 2017-18 |                |
| ORLANDO LANE : From : ORLANDO ST To : START A/C               | COFFS HARBOUR | 16,391           | 2017-18 |                |
| LEA : From : MEADOW ST To : END                               | COFFS HARBOUR | 47,588           | 2017-18 |                |
| KANE : From : HUGHES CL To : GRANT CL                         | COFFS HARBOUR | 70,678           | 2017-18 |                |
| MARCIA : From : ROSE AVE To : END KERB & GUTTER               | COFFS HARBOUR | 69,956           | 2017-18 |                |
| RICHMOND : From : MACLEAY PL To : BRUNSWICK AVE               | COFFS HARBOUR | 24,056           | 2017-18 |                |
| RICHMOND : From : MACAULEYS HDL DR To : MANNING AVE           | COFFS HARBOUR | 63,990           | 2017-18 |                |
| RICHMOND : From : MANNING AVE To : MACLEAY PL                 | COFFS HARBOUR | 29,329           | 2017-18 |                |
| <b>TOTAL FOR 2017-18</b>                                      |               | <b>2,913,767</b> |         |                |
| CHRISTMAS BELLS : From : AVIATION DR To : A/C BORAL GAS       | COFFS HARBOUR | 542,642          | 2018-19 | Year 5 \$56.28 |
| ANDREWS : From : OCEAN ST To : END                            | CORINDI       | 57,097           | 2018-19 |                |
| CIRCULAR : From : NTH BELLGROVE ST To : BELLGROVE ST (NTH)    | SAWTELL       | 140,604          | 2018-19 |                |
| PARK BEACH : From : BURKE ST To : PHILLIP ST                  | COFFS HARBOUR | 229,975          | 2018-19 |                |
| WERAMBIE : From : LALAGULI DVE To : TURBILL ST                | TOORMINA      | 98,797           | 2018-19 |                |
| NEWCASTLE : From : 410M To : END                              | TOORMINA      | 38,830           | 2018-19 |                |
| CIRCULAR : From : BELLGROVE ST (STH) To : BELLGROVE ST (NTH)  | SAWTELL       | 195,568          | 2018-19 |                |
| HUBBARD : From : PULLEN ST To : SARE ST                       | WOOLGOOLGA    | 44,908           | 2018-19 |                |
| WILLIAM : From : START OF KERB To : CALTOWIE PL               | COFFS HARBOUR | 30,546           | 2018-19 |                |
| TOLHURST : From : THOMPSONS RD To : END                       | COFFS HARBOUR | 112,371          | 2018-19 |                |
| WERAMBIE : From : TURBILL ST To : MINORIE DVE                 | TOORMINA      | 87,655           | 2018-19 |                |
| BRUNSWICK : From : RICHMOND DRIVE To : KARUAH AVE             | COFFS HARBOUR | 223,864          | 2018-19 |                |
| LAKE RUSSELL : From : 580 To : 900                            | EMERALD BEACH | 154,870          | 2018-19 |                |
| TINDARA : From : LYONS RD To : DIRRIGEREE CR (STH)            | TOORMINA      | 57,739           | 2018-19 |                |
| HOGBIN DRIVE BOATRAMP : From : HI TECH DR To : END            | COFFS HARBOUR | 171,055          | 2018-19 |                |
| BRODIE : From : ANDERTON ST To : ORLANDO ST (EAST)            | COFFS HARBOUR | 76,450           | 2018-19 |                |
| RICHMOND : From : DIGGERS BEACH RD To : CLARENCE CR           | COFFS HARBOUR | 49,162           | 2018-19 |                |
| MARTIN : From : GALE ST To : END                              | CORAMBA       | 39,258           | 2018-19 |                |
| ELIZABETH : From : COMBINE ST To : 94.3                       | COFFS HARBOUR | 39,145           | 2018-19 |                |
| PARK BEACH : From : PHILLIP ST To : HOGBIN DR NTH             | COFFS HARBOUR | 232,457          | 2018-19 |                |
| BORONIA : From : EIGHTH AVE To : SEVENTH AVE                  | SAWTELL       | 99,540           | 2018-19 |                |
| BORONIA : From : ELIZABETH ST To : CONCRETE FOOT PAVE         | SAWTELL       | 51,999           | 2018-19 |                |
| BORONIA : From : SEVENTH AVE To : ELIZABETH ST                | SAWTELL       | 126,282          | 2018-19 |                |
| COLUMBUS : From : SAN FRANCISCO AVE To : PACIFIC AVE          | COFFS HARBOUR | 46,596           | 2018-19 |                |
| DIRRIGEREE : From : TINDARRA DR (STH) To : GILLIBRI CR        | TOORMINA      | 59,877           | 2018-19 |                |
| GREEN LEA : From : ROSEDALE RD (NTH) To : JOYCE ST (NTH)      | COFFS HARBOUR | 57,097           | 2018-19 |                |

# Appendix 1

|   |               |                  |         |        |         |
|---|---------------|------------------|---------|--------|---------|
| KARUAH : From : NAMBUCCA AVE To : BRUNSWICK AVE             | COFFS HARBOUR | 49,939           | 2018-19 |        |         |
| <b>TOTAL FOR 2018-19</b>                                    |               | <b>3,114,322</b> |         |        |         |
| RICHMOND : From : CLARENCE CR To : MACAULEYS HDL DR         | COFFS HARBOUR | 74,252           | 2019-20 | Year 6 | \$57.96 |
| TURBILL : From : WERAMBIE ST To : END                       | TOORMINA      | 27,915           | 2019-20 |        |         |
| FRASER : From : WINGARA DR(STH) To : WINGARA DR(NTH)        | COFFS HARBOUR | 437,881          | 2019-20 |        |         |
| PETERSON : From : PITT SQUARE To : PRIVATE RD               | COFFS HARBOUR | 26,663           | 2019-20 |        |         |
| VALLEY : From : PALM ST To : 54.2                           | COFFS HARBOUR | 31,926           | 2019-20 |        |         |
| REID : From : START A/C To : 80M                            | COFFS HARBOUR | 57,500           | 2019-20 |        |         |
| ENGLANDS : From : HIGHWAY To : 1520                         | BOAMBEE       | 757,702          | 2019-20 |        |         |
| REID : From : CARTEN CL To : 119.0                          | COFFS HARBOUR | 85,531           | 2019-20 |        |         |
| REID : From : FERAN CRES To : CARTEN CL                     | COFFS HARBOUR | 104,937          | 2019-20 |        |         |
| REID : From : ROBERT GARRETT ST To : FERAN CRES             | COFFS HARBOUR | 76,906           | 2019-20 |        |         |
| MACCUES : From : ROAD NARROWS To : STATE FOREST             | MOONEE        | 202,873          | 2019-20 |        |         |
| HUGHES : From : KANE CRES To : END                          | COFFS HARBOUR | 105,819          | 2019-20 |        |         |
| MCGREGOR : From : LINDEN AVE To : END                       | TOORMINA      | 139,855          | 2019-20 |        |         |
| ORLANDO : From : LAWSON CRES (EAST) To : LAWSON CRES<br>AV  | COFFS HARBOUR | 88,453           | 2019-20 |        |         |
| ORLANDO : From : GDT SECCOMBE CL To : HIGHWAY               | COFFS HARBOUR | 254,577          | 2019-20 |        |         |
| DIBBS LANE : From : DIBBS ST To : BARRIE ST (NTH VICTORIA   | COFFS HARBOUR | 57,500           | 2019-20 |        |         |
| SAWTELL : From : PACIFIC HWY To : HAMILTON DR               | SAWTELL       | 355,781          | 2019-20 |        |         |
| TOORMINA : From : ELIZABETH ST To : END                     | COFFS HARBOUR | 80,825           | 2019-20 |        |         |
| RIDING : From : VERNON ST. To : COFF ST.                    | COFFS HARBOUR | 69,255           | 2019-20 |        |         |
| LINDEN : From : MCGREGOR CL To : BRYANT CL                  | TOORMINA      | 60,317           | 2019-20 |        |         |
| <b>TOTAL FOR 2019-20</b>                                    |               | <b>3,096,467</b> |         |        |         |
| BAILEY : From : ZARA PL To : CORAL AVE                      | COFFS HARBOUR | 369,285          | 2020-21 | Year 7 | \$59.70 |
| BOUNDARY : From : BEACH ST To : END OF BOUNDARY ST          | WOOLGOOLGA    | 180,003          | 2020-21 |        |         |
| BRYANT : From : LINDEN AVE To : END                         | TOORMINA      | 49,434           | 2020-21 |        |         |
| SAN FRANCISCO : From : COLUMBUS CIRC To : PACIFIC AVE       | COFFS HARBOUR | 85,673           | 2020-21 |        |         |
| BEACH : From : QUEEN ST To : CARRINGTON ST                  | WOOLGOOLGA    | 168,505          | 2020-21 |        |         |
| HIGH ST : From : START KERB & GUTTER To : FAWCETT ST        | WOOLGOOLGA    | 421,262          | 2020-21 |        |         |
| LOWER BUCCA : From : 3988 To : 5070                         | MOONEE        | 555,545          | 2020-21 |        |         |
| KRATZ : From : NARROW RD To : 245M                          | COFFS HARBOUR | 122,868          | 2020-21 |        |         |
| LINDEN : From : END CONCRETE To : MOSELEY DR                | TOORMINA      | 30,090           | 2020-21 |        |         |
| OCEAN : From : 55M To : END                                 | CORINDI       | 90,402           | 2020-21 |        |         |
| SECOND : From : ARRAWARRA RD To : THIRD AVE                 | NTH BEACHES   | 110,330          | 2020-21 |        |         |
| THIRD : From : ARRAWARRA RD To : SECOND AVE                 | NTH BEACHES   | 146,271          | 2020-21 |        |         |
| FAIRVIEW : From : WAKELANDS ROAD To : 436                   | MOONEE        | 218,655          | 2020-21 |        |         |
| OKEEFE : From : COOK DR To : 186.0                          | COFFS HARBOUR | 157,687          | 2020-21 |        |         |
| PALMER : From : 1038.5 To : 1118                            | WOOLGOOLGA    | 41,505           | 2020-21 |        |         |
| MELITTAS : From : START OF KERB To : HIGHWAY                | COFFS HARBOUR | 34,974           | 2020-21 |        |         |
| VALLEY : From : GORDON ST To : PALM ST                      | COFFS HARBOUR | 38,210           | 2020-21 |        |         |
| FRANCES : From : ALEXANDER ST To : GUNDAGAI ST              | COFFS HARBOUR | 172,588          | 2020-21 |        |         |
| MACKAYS : From : VERA DR To : END SEAL                      | COFFS HARBOUR | 42,413           | 2020-21 |        |         |
| MANNING : From : RICHMOND DR To : NAMBUCCA AVE              | COFFS HARBOUR | 177,818          | 2020-21 |        |         |
| THEO : From : MELITTAS AVE To : END                         | COFFS HARBOUR | 50,258           | 2020-21 |        |         |
| KIDD : From : BORONIA ST To : SECOND AVE                    | SAWTELL       | 68,849           | 2020-21 |        |         |
| LINKS : From : BELLEVUE DR To : KOTARA PL                   | KORORA        | 51,046           | 2020-21 |        |         |
| <b>TOTAL FOR 2020-21</b>                                    |               | <b>3,383,670</b> |         |        |         |
| MCIVER : From : END DUSTSEAL To : ARTHUR ST                 | WOOLGOOLGA    | 18,983           | 2021-22 | Year 8 | \$61.49 |
| KURRAJONG : From : BRADLEY ST To : RAYMOND ST               | COFFS HARBOUR | 146,945          | 2021-22 |        |         |
| OCEAN : From : CARRINGTON ST To : ARTHUR ST                 | WOOLGOOLGA    | 133,527          | 2021-22 |        |         |
| HOWARD : From : BARRIE ST To : SERVICE RD                   | COFFS HARBOUR | 200,236          | 2021-22 |        |         |
| MINORIE : From : DAY CARE CENTRE To : TOORMINA RD           | TOORMINA      | 62,502           | 2021-22 |        |         |
| EMERALD HEIGHTS : From : STEFAN CL To : 470 (END KERB)      | EMERALD BEACH | 88,649           | 2021-22 |        |         |
| HULBERTS : From : NEWCASTLE DR To : END OF KERB &<br>GUTTER | TOORMINA      | 50,806           | 2021-22 |        |         |
| BLACKER : From : SHEPHERDS LNE To : END                     | COFFS HARBOUR | 45,382           | 2021-22 |        |         |
| HULBERTS : From : END OF K & G To : BUCKMAN CL              | TOORMINA      | 99,202           | 2021-22 |        |         |
| NORTH BOAMBEE : From : 3170 To : END                        | COFFS HARBOUR | 390,141          | 2021-22 |        |         |
| NORTH BOAMBEE : From : 245 To : 1090                        | COFFS HARBOUR | 659,920          | 2021-22 |        |         |
| NORTH BOAMBEE : From : 2250 To : 3170                       | COFFS HARBOUR | 554,427          | 2021-22 |        |         |
| MURRAY : From : EUGOURIE CL To : HILLVIEW CRES (EAST)       | COFFS HARBOUR | 38,261           | 2021-22 |        |         |
| OCEAN : From : NO23 OCEAN PARADE To : VINCENT ST            | COFFS HARBOUR | 41,299           | 2021-22 |        |         |
| ORCHID : From : MULLAWAY DR WEST To : SUN ST                | NTH BEACHES   | 185,059          | 2021-22 |        |         |
| OCEAN : From : PARK BEACH RD To : END KERB                  | COFFS HARBOUR | 336,985          | 2021-22 |        |         |
| LOWER BUCCA : From : MCCRAES BRIDGE WEST To : 6224          | MOONEE        | 231,216          | 2021-22 |        |         |
| TWEED : From : KARUAH AVE To : END                          | COFFS HARBOUR | 39,258           | 2021-22 |        |         |
| <b>TOTAL FOR 2021-22</b>                                    |               | <b>3,322,799</b> |         |        |         |
| SHERWOOD CREEK : From : SH10 To : 2000M                     | CORINDI       | 988,081          | 2022-23 | Year 9 | \$63.34 |
| SHERWOOD CREEK : From : 2000M To : 4000M                    | CORINDI       | 988,081          | 2022-23 |        |         |
| EGGINS : From : ARRAWARRA BEACH ROAD To : 1954              | NTH BEACHES   | 1,064,366        | 2022-23 |        |         |
| THREE : From : PACIFIC ST To : WHARF ST                     | WOOLGOOLGA    | 39,333           | 2022-23 |        |         |

# Appendix 1

|  |               |                  |         |         |         |
|--|---------------|------------------|---------|---------|---------|
| LINDSAYS : From : CABA CL To : MIDDLE BOAMBEE RD           | BOAMBEE       | 311,245          | 2022-23 |         |         |
| WHARF : From : BEACH ST To : END OF KERB & GUTTER          | WOOLGOOLGA    | 92,804           | 2022-23 |         |         |
| MERINO : From : RIPPON CL To : START AC                    | COFFS HARBOUR | 120,597          | 2022-23 |         |         |
| ORLANDO : From : END BRIDGE To : VOST ST                   | COFFS HARBOUR | 17,975           | 2022-23 |         |         |
| <b>TOTAL FOR 2022-23</b>                                   |               | <b>3,622,481</b> |         |         |         |
| SHERWOOD CREEK : From : 4000M To : 5898M                   | CORINDI       | 965,819          | 2023-24 | Year 10 | \$65.24 |
| COMBINE : From : GARDINER AVE To : HILL ST                 | COFFS HARBOUR | 59,445           | 2023-24 |         |         |
| SOLITARY : From : VICTORIA ST To : JARRETT ST              | COFFS HARBOUR | 72,754           | 2023-24 |         |         |
| LOWANNA : From : 560 To : CAVANAGHS RD                     | LOWANNA       | 1,265,760        | 2023-24 |         |         |
| SAWTELL : From : END OF KERB To : START OF KERB            | SAWTELL       | 575,405          | 2023-24 |         |         |
| SECOND : From : FIRST AVE To : FOURTH AVE                  | SAWTELL       | 82,436           | 2023-24 |         |         |
| DALLEY : From : ALBANY ST To : LITTLE ST                   | COFFS HARBOUR | 83,532           | 2023-24 |         |         |
| CENTRAL BUCCA : From : 5881 To : END                       | BUCCA         | 151,484          | 2023-24 |         |         |
| CROSSMAGLEN : From : VALERY RD To : BRIDGE                 | BONVILLE      | 244,280          | 2023-24 |         |         |
| BIG BANANA ACCESS : From : ISLANDVIEW CL To : END A/C      | COFFS HARBOUR | 135,201          | 2023-24 |         |         |
| FIRST : From : ARRAWARRA RD To : END                       | NTH BEACHES   | 70,823           | 2023-24 |         |         |
| HASTINGS : From : RIVER ST To : END OF KERB                | WOOLGOOLGA    | 28,477           | 2023-24 |         |         |
| HOOD : From : MILDURA ST To : END                          | COFFS HARBOUR | 30,499           | 2023-24 |         |         |
| <b>TOTAL FOR 2023-24</b>                                   |               | <b>3,765,915</b> |         |         |         |
| JAMES SMALL : From : END KERB To : NORMAN HILL DR          | KORORA        | 44,349           | 2024-25 | Year 11 | \$67.20 |
| LAKESIDE : From : BEACH RD To : HIBISCUS AVE               | SAPPHIRE      | 38,785           | 2024-25 |         |         |
| LOADERS : From : CORAMBA RD To : START KERB                | COFFS HARBOUR | 172,156          | 2024-25 |         |         |
| MCCANN : From : GOODENOUGH TCE To : END                    | COFFS HARBOUR | 26,247           | 2024-25 |         |         |
| NASH LANE (NO 1) : From : NASH ST To : 142M (NTH KNOX )    | WOOLGOOLGA    | 44,846           | 2024-25 |         |         |
| PUNNET : From : STRAWBERRY PL To : END                     | WOOLGOOLGA    | 17,558           | 2024-25 |         |         |
| RED ROCK RD : From : CHANGE SEAL To : 50KM SIGN            | CORINDI       | 367,534          | 2024-25 |         |         |
| RED ROCK RD : From : CORAL ST To : CHANGE SEAL             | CORINDI       | 2,404,737        | 2024-25 |         |         |
| BRAY : From : JOYCE ST To : DIANNE CL                      | COFFS HARBOUR | 310,109          | 2024-25 |         |         |
| HOFMEIER : From : PACIFIC ST To : END                      | WOOLGOOLGA    | 67,418           | 2024-25 |         |         |
| BONVILLE : From : EARL ST To : GORDON ST                   | COFFS HARBOUR | 154,282          | 2024-25 |         |         |
| OCEAN : From : VINCENT ST To : PRINCE ST                   | COFFS HARBOUR | 126,342          | 2024-25 |         |         |
| <b>TOTAL FOR 2024-25</b>                                   |               | <b>3,774,362</b> |         |         |         |
| BAYLDON : From : GOLF CLUB ENT To : LYONS RD (NTH)         | SAWTELL       | 175,742          | 2025-26 | Year 12 | \$69.21 |
| MCIVER : From : ARTHUR ST To : CARRINGTON ST               | WOOLGOOLGA    | 90,653           | 2025-26 |         |         |
| CORNISH : From : THOMPSONS RD To : ROBERT GARRETT ST       | COFFS HARBOUR | 84,383           | 2025-26 |         |         |
| LOWANNA : From : ULONG RD To : 560                         | LOWANNA       | 325,572          | 2025-26 |         |         |
| CRAMPTON : From : ST. ANDREWS DRIVE To : END               | WOOLGOOLGA    | 91,027           | 2025-26 |         |         |
| ROBIN : From : HIGH ST To : BRIDGE                         | COFFS HARBOUR | 285,955          | 2025-26 |         |         |
| BRAY : From : NORFOLK CR (EAST) To : JOYCE ST              | COFFS HARBOUR | 90,114           | 2025-26 |         |         |
| HERMANN RIECK : From : CAVENDISH PL To : NORMAN HILL DR    | KORORA        | 56,850           | 2025-26 |         |         |
| HERMANN RIECK : From : PLANTAIN RD To : CAVENDISH PL       | KORORA        | 36,876           | 2025-26 |         |         |
| LAWSON : From : ORLANDO ST (EAST) To : 300.0 M             | COFFS HARBOUR | 290,689          | 2025-26 |         |         |
| NIOKA : From : TALOUMBI RD To : END                        | COFFS HARBOUR | 87,705           | 2025-26 |         |         |
| TOORMINA : From : MIRROOLA CR To : KINTORIE CR             | TOORMINA      | 183,134          | 2025-26 |         |         |
| KATHERINE : From : BRAY ST To : END                        | COFFS HARBOUR | 109,188          | 2025-26 |         |         |
| DOUG KNIGHT : From : HOGBIN DR To : 48M                    | COFFS HARBOUR | 54,483           | 2025-26 |         |         |
| CORNISH : From : ROBERT GARRETT ST To : START PAVERS       | COFFS HARBOUR | 12,306           | 2025-26 |         |         |
| HARBOUR DR : FROM : R-A-B to GORDON ST                     | COFFS HARBOUR | 133,371          | 2025-26 |         |         |
| BOAMBEE : From : START OF KERB & GUTT To : TWENTY FIFTH    | SAWTELL       | 19,490           | 2025-26 |         |         |
| MEADOW : From : AZALEA AVE To : LEA CL                     | COFFS HARBOUR | 95,415           | 2025-26 |         |         |
| PARK BEACH PLAZA ENT ST : From : PARK BEACH RD To : END    | COFFS HARBOUR | 41,714           | 2025-26 |         |         |
| SECOND : From : ELIZABETH ST To : FIRST AVE                | SAWTELL       | 99,416           | 2025-26 |         |         |
| NIGHTINGALE : From : TRAFALGAR ST To : NELSON ST           | WOOLGOOLGA    | 100,994          | 2025-26 |         |         |
| ONEILS : From : START DUSTSEAL To : END DUSTSEAL           | CORAMBA       | 79,732           | 2025-26 |         |         |
| JOYCE : From : JACK LADD ST To : GREEN LEA CRES (STH)      | COFFS HARBOUR | 206,472          | 2025-26 |         |         |
| LAWSON : From : LAWSON CRES (WEST) To : ORLANDO ST AVE     | COFFS HARBOUR | 280,031          | 2025-26 |         |         |
| BOAMBEE : From : END OF KERB & GUTTER To : START OF KERB   | SAWTELL       | 26,411           | 2025-26 |         |         |
| DIRRIGEREE : From : BANOOL ST To : GILLIBRI CR (NTH)       | TOORMINA      | 127,350          | 2025-26 |         |         |
| DIRRIGEREE : From : GILLIBRI CR To : BANOOL ST             | TOORMINA      | 273,801          | 2025-26 |         |         |
| GILLIBRI : From : DIRRIGEREE CR (EAST) To : END            | TOORMINA      | 44,572           | 2025-26 |         |         |
| GRAFF : From : BREWIS CL To : END                          | TOORMINA      | 119,183          | 2025-26 |         |         |
| HEADLAND : From : ELOUERA DR To : END                      | SAPPHIRE      | 143,960          | 2025-26 |         |         |
| KARUAH : From : MANNING AVE To : TWEED CL                  | COFFS HARBOUR | 98,613           | 2025-26 |         |         |
| KARUAH : From : TWEED CL To : NAMBUCCA AVE                 | COFFS HARBOUR | 62,623           | 2025-26 |         |         |
| <b>TOTAL FOR 2025-26</b>                                   |               | <b>3,927,826</b> |         |         |         |
| NORMAN HILL : From : GROSS MICHEL RD To : RESERVE BOUNDARY | KORORA        | 40,549           | 2026-27 | Year 13 | \$71.29 |
| WALLIS : From : HULBERTS RD To : END                       | TOORMINA      | 145,855          | 2026-27 |         |         |
| ALLEENA : From : NARIAH CR To : END FOOT PAVE              | TOORMINA      | 53,751           | 2026-27 |         |         |
| FAWCETT : From : GORDON ST To : HIGH ST                    | WOOLGOOLGA    | 53,894           | 2026-27 |         |         |
| FOUR : From : HARBOUR DR(JETTY DIVE) To : START BITUMEN    | COFFS HARBOUR | 43,913           | 2026-27 |         |         |

## Appendix 1

|   |               |                  |         |
|---|---------------|------------------|---------|
| BEACH : From : RIVER ST To : SHORT ST                     | WOOLGOOLGA    | 111,765          | 2026-27 |
| MOUNT BROWNE : From : 2970 To : 4200                      | KARANGI       | 587,485          | 2026-27 |
| NASH LANE(NO 1) : From : NASH ST To : 287 STH KNOX ST     | WOOLGOOLGA    | 69,563           | 2026-27 |
| PACIFIC : From : LAKES RD To : HOFMEIER CL                | WOOLGOOLGA    | 39,985           | 2026-27 |
| LOWER BUCCA : From : CHANGE SEAL 52M TO : CHANGE SEAL 625 | MOONEE        | 396,918          | 2026-27 |
| POLARIS : From : APOLLO DR To : END                       | COFFS HARBOUR | 104,594          | 2026-27 |
| PITT : From : PETERSON RD To : PITT SQUARE (NORTH)        | COFFS HARBOUR | 116,171          | 2026-27 |
| COLLISON : From : ISLES DR To : END                       | COFFS HARBOUR | 147,110          | 2026-27 |
| BRODIE : From : END OF KERB & GUTTER To : GLYNN ST        | COFFS HARBOUR | 150,525          | 2026-27 |
| PALM : From : VALLEY ST To : END OF RD                    | COFFS HARBOUR | 33,534           | 2026-27 |
| VALLEY : From : 54.2 To : RIDGE ST                        | COFFS HARBOUR | 52,069           | 2026-27 |
| BENNETTS : From : CORAMBA RD To : 100                     | COFFS HARBOUR | 81,268           | 2026-27 |
| GRAHAM : From : S.H. 10 NTH To : DIAMOND HEAD DR          | SANDY BEACH   | 1,215,290        | 2026-27 |
| MORGANS : From : GRAHAM DR To : 700M                      | SANDY BEACH   | 429,154          | 2026-27 |
| HASKINS LANE : From : NELSON ST To : GORDON ST            | WOOLGOOLGA    | 96,667           | 2026-27 |
| LAKE VIEW : From : SAFETY BEACH AVE To : PANORAMA PDE     | NTH BEACHES   | 134,777          | 2026-27 |
| <b>TOTAL FOR 2026-27</b>                                  |               | <b>4,104,837</b> |         |
| MOONEE : From : HIGH ST To : SCARBA ST                    | COFFS HARBOUR | 122,720          |         |
| NILE : From : MOORE ST To : JARRETT ST                    | COFFS HARBOUR | 44,770           |         |
| BANKSIA : From : TURPENTINE AVE To : END                  | SANDY BEACH   | 33,600           |         |
| BEACH : From : BOUNDARY ST To : FAWCETT ST                | WOOLGOOLGA    | 86,625           |         |
| LOWER BUCCA : From : 3470 To : 3988                       | MOONEE        | 249,600          |         |
| DIAMOND HEAD : From : MAPLE RD To : IRONBARK AVE          | SANDY BEACH   | 103,400          |         |
| ELIZABETH : From : BELLGROVE ST To : ELEVENTH AVE         | SAWTELL       | 113,520          |         |
| HEADLAND : From : SH10 To : BEACH RD                      | SAPPHIRE      | 71,250           |         |
| KIDD : From : SECOND AVE To : ELEVENTH AVE                | SAWTELL       | 60,420           |         |
| POLLACK : From : ARTHUR ST To : ALEXANDER ST              | WOOLGOOLGA    | 91,560           |         |
| SCHAFER : From : LAWSON ST To : CUL DE SAC                | RED ROCK      | 45,760           |         |
| MOUNT BROWNE : From : (JABOH CL) 1240 To : 1780           | KARANGI       | 226,800          |         |
| PARK BEACH : From : PARK BEACH PLAZA ENT To : BURKE ST    | COFFS HARBOUR | 106,575          |         |
| GRAHAM : From : DIAMOND HEAD DR To : JOHNSONS RD          | SANDY BEACH   | 251,450          |         |
| NINE LANE: From : EARL ST To : GORDON ST                  | COFFS HARBOUR | 57,855           |         |
| BAILEY : From : CORAL AVE To : LUCAS AVE                  | COFFS HARBOUR | 270,600          |         |
| FORD : From : CORFE ST To : MARTIN ST                     | RED ROCK      | 171,100          |         |
| MOUNT BROWNE : From : 2790 To : 2970                      | KARANGI       | 71,100           |         |
| SHEARER : From : 160 To : 708                             | WOOLGOOLGA    | 235,640          |         |
| ELEVENTH : From : MAY ST To : ELIZABETH ST                | SAWTELL       | 150,640          |         |
| GREAVES : From : LINDEN AVE To : END                      | TOORMINA      | 76,220           |         |
| HULBERTS : From : RAILWAY LINE To : SEVENTEENTH AVE       | TOORMINA      | 126,825          |         |
| KNOX : From : HIGHWAY To : NASH ST                        | WOOLGOOLGA    | 193,200          |         |
| THE BOULEVARDE : From : STAR ST To : DARKUM RD            | NTH BEACHES   | 54,400           |         |
| TRAFALGA LANE : From : FAWCETT ST To : NIGHTINGALE ST     | WOOLGOOLGA    | 26,325           |         |
| LOWER BUCCA : From : 1990 To : 3195 CENTRAL BUCCA         | MOONEE        | 536,225          |         |
| DALGETY : From : NASH ST To : END                         | WOOLGOOLGA    | 9,875            |         |
| EIGHT : From : HARDACRE ST To : NORTH ST                  | COFFS HARBOUR | 40,890           |         |
| LINDSAYS : From : MIDDLE BOAMBEE RD To : BLIGH DR         | BOAMBEE       | 115,710          |         |
| BEACH : From : SHORT ST To : BULTITUDE ST                 | WOOLGOOLGA    | 82,280           |         |
| EMERALD HEIGHTS : From : GRAHAM DR To : ANSELMO CL        | EMERALD BEACH | 74,120           |         |
| SEAVIEW : From : 23.5 To : 116                            | KORORA        | 27,435           |         |
| CAVANBA : From : JEFFRESS PL To : NARIAH CR               | TOORMINA      | 74,580           |         |
| CORAMBARA : From : LALAGULI DR To : MINORIE DR            | TOORMINA      | 182,400          |         |
| PACIFIC : From : CORAL ST To : TASMAN ST                  | CORINDI       | 66,670           |         |
| BEACH : From : FAWCETT ST To : GANDERTON ST               | WOOLGOOLGA    | 65,520           |         |
| BENNETTS : From : 1140 To : END                           | COFFS HARBOUR | 354,460          |         |
| BUCHANANS : From : CORAMBA RD To : 200M                   | COFFS HARBOUR | 74,000           |         |
| GRAHAM : From : JOHNSONS RD To : S.H. 10 STH              | SANDY BEACH   | 414,000          |         |
| DIAMOND HEAD : From : TI To : TREE RD - SANDYS BEACH DR   | SANDY BEACH   | 36,935           |         |
| FIDDAMAN : From : PACIFIC HWY To : LIGHTS ST              | EMERALD BEACH | 122,320          |         |
| MATHEWS : From : SIMON ST To : DAMLEN ST                  | CORINDI       | 149,910          |         |
| SALAMANDER : From : ALBANY ST To : VICTORIA ST            | COFFS HARBOUR | 198,320          |         |
| SEVENTH : From : ELIZABETH ST To : BORONIA ST             | SAWTELL       | 83,820           |         |
| SHORT : From : BENT ST To : VICTORIA ST                   | COFFS HARBOUR | 92,130           |         |
| SOUTH : From : SCARBOROUGH ST To : FAWCETT ST             | WOOLGOOLGA    | 69,600           |         |
| PRINCE : From : HOGBIN DR NTH To : PHILLIP ST             | COFFS HARBOUR | 131,250          |         |
| LAKESIDE : From : HIBISCUS AVE To : POINCIANNA AVE        | SAPPHIRE      | 35,260           |         |
| STADIUM : From : HOGBIN DR To : SEWER MANHOLE             | COFFS HARBOUR | 344,350          |         |
| CAVANAGHS : From : LOWANNA RD To : TIMMS MILL RD          | LOWANNA       | 300,800          |         |
| DAIRYVILLE : From : START D/S To : END D/S 7453-7767      | UPPER ORARA   | 84,780           |         |
| BENNETTS : From : 100 To : 1140                           | COFFS HARBOUR | 540,800          |         |
| ZARA : From : BAILEY AVENUE To : END                      | COFFS HARBOUR | 125,895          |         |

## **Appendix 2 – Proposed Capital Works Program - Other Transport Assets**

## Appendix 2

### other road assets renewal program

|                          | current vote | proposed srv |         |         |
|--------------------------|--------------|--------------|---------|---------|
|                          |              | year 1       | year 2  | year 3  |
| kerbs                    | 29,700       | 100,000      | 200,000 | 250,000 |
| car parks                | 5,000        | 30,000       | 60,000  | 85,000  |
| footpaths &<br>cycleways | -            | 50,000       | 100,000 | 150,000 |
| guard rail               | -            | 30,000       | 60,000  | 110,000 |
|                          | 34,700       | 210,000      | 420,000 | 595,000 |

Note: for breakdown see  
other tabs

## Appendix 2

### 10 year kerb renewal program

Cond. 0 - Good

Cond. 10 - Poor

| Location | STREET NAME  | Cond |        | renewal cost \$ | available srv \$ | year   |
|----------|--|------|--------|-----------------|------------------|--------|
|          |  | 0-10 | length |                 |                  |        |
|          | ROBIN ST TO AZALEA AVE                               | 9    | 3      | 360             | 100,000          | year 1 |
|          | YORK ST TO RICHMOND DR                               | 9    | 4      | 480             |                  |        |
|          | EDINBURGH ST TO HOOD ST                              | 9    | 3      | 360             |                  |        |
|          | START KERB TO ROYAL PALMS DR                         | 9    | 20     | 2400            |                  |        |
|          | ROBIN ST TO AZALEA AVE                               | 9    | 10     | 1200            |                  |        |
|          | BULTITUDE ST TO SCARBOROUGH ST                       | 9    | 22     | 2640            |                  |        |
|          | RIVER ST TO SHORT ST                                 | 9    | 15     | 1800            |                  |        |
|          | RIVER ST TO SHORT ST                                 | 9    | 20     | 2400            |                  |        |
|          | O'KEEFE DR TO WINGARA DR                             | 9    | 1      | 120             |                  |        |
|          | ORLANDO ST (EAST) TO 300.0 M                         | 9    | 3      | 360             |                  |        |
|          | TURON PDE (NTH) TO NEWMAN ST                         | 9    | 15     | 1800            |                  |        |
|          | SHORT ST TO ROAD NARROWS                             | 9    | 20     | 2400            |                  |        |
|          | CURACOA ST TO END                                    | 9    | 10     | 1200            |                  |        |
|          | BRAY ST TO BERNE CL                                  | 9    | 4      | 480             |                  |        |
|          | MOONEE BEACH RD TO DAWN DVE                          | 9    | 6      | 720             |                  |        |
|          | TURON PDE (NTH) TO NEWMAN ST                         | 9    | 5      | 600             |                  |        |
|          | CORAL AVE TO JUNE ST                                 | 9    | 1      | 120             |                  |        |
|          | JACK LADD ST TO GREEN LEA CRES (STH)                 | 9    | 50     | 6000            |                  |        |
|          | BULTITUDE ST TO SCARBOROUGH ST                       | 9    | 10     | 1200            |                  |        |
|          | BULTITUDE ST TO SCARBOROUGH ST                       | 9    | 10     | 1200            |                  |        |
|          | JOYCE ST TO DIANNE CL                                | 9    | 3      | 360             |                  |        |
|          | JOYCE ST TO DIANNE CL                                | 9    | 5      | 600             |                  |        |
|          | PETER CL TO OXLEY PL                                 | 9    | 2      | 240             |                  |        |
|          | GORDON ST TO EARL ST                                 | 9    | 15     | 1800            |                  |        |
|          | AMAROO CR TO BANGALEE CR                             | 9    | 5      | 600             |                  |        |
|          | HULBERTS RD TO MIRROOLA CR                           | 9    | 2      | 240             |                  |        |
|          | REID DR TO GREENLINKS AVE                            | 9    | 3      | 360             |                  |        |
|          | PLANTATION AVE TO ANN ST                             | 9    | 10     | 1200            |                  |        |
|          | SEVENTH AVE TO ELIZABETH ST                          | 9    | 3      | 360             |                  |        |
|          | GORDON ST TO EARL ST                                 | 9    | 3      | 360             |                  |        |
|          | END ROUNDABOUT EARL ST TO START ROUNDABOUT GORDON ST | 9    | 3      | 360             |                  |        |
|          | BEACH ST TO TURON PDE                                | 9    | 3      | 360             |                  |        |
|          | SHORT ST TO BULTITUDE ST                             | 9    | 5      | 600             |                  |        |
|          | BEACH ST TO SHORT ST                                 | 9    | 8      | 960             |                  |        |
|          | BEACH ST TO SHORT ST                                 | 9    | 14     | 1680            |                  |        |
|          | SECOND AVE TO BELLGROVE ST                           | 9    | 8      | 960             |                  |        |
|          | TOORMINA RD TO NARIAH CR                             | 9    | 6      | 720             |                  |        |
|          | TOORMINA RD TO NYAH PL                               | 9    | 20     | 2400            |                  |        |
|          | ALKINA ST TO MERINDA AVE                             | 9    | 22     | 2640            |                  |        |
|          | CANOMIE ST TO HEADLAND RD                            | 9    | 9      | 1080            |                  |        |
|          | RICHMOND DR TO NAMBUCCA AVE                          | 9    | 10     | 1200            |                  |        |
|          | NYMBOIDA CL TO KARUAH AVE                            | 9    | 3      | 360             |                  |        |
|          | MANNING AVE TO TWEED CL                              | 9    | 3      | 360             |                  |        |
|          | DEBORAH CL TO RAYMOND ST                             | 9    | 45     | 5400            |                  |        |
|          | JACK LADD ST TO GREEN LEA CRES (STH)                 | 9    | 15     | 1800            |                  |        |
|          | BAILEY AVE TO JACK LADD ST                           | 9    | 22     | 2640            |                  |        |
|          | BERYL ST TO BAILEY AVE                               | 9    | 9      | 1080            |                  |        |
|          | MEADOW ST. TO COMBINE ST.                            | 9    | 9      | 1080            |                  |        |
|          | PET PORPOISE POOL TO START BRIDGE                    | 9    | 4      | 480             |                  |        |
|          | BRODIE DR TO SERVICE RD                              | 9    | 8      | 960             |                  |        |
|          | SERVICE RD TO END OF KERB                            | 9    | 6      | 720             |                  |        |
|          | HOGBIN DR TO DIBBS ST                                | 9    | 4      | 480             |                  |        |
|          | MOONEE ST TO GRAFTON ST                              | 9    | 5      | 600             |                  |        |
|          | SHORT ST TO BULTITUDE ST                             | 9    | 2      | 240             |                  |        |
|          | END OF KERB TO MILDURA ST                            | 9    | 4      | 480             |                  |        |
|          | START KERB TO END KERB                               | 9    | 10     | 1200            |                  |        |
|          | HULBERTS RD TO MIRROOLA CR                           | 9    | 1      | 120             |                  |        |
|          | NEWCASTLE DR TO END OF KERB & GUTTER                 | 9    | 3      | 360             |                  |        |
|          | TOLHURST PL TO AUBREY CR                             | 9    | 0.5    | 60              |                  |        |
|          | COMBINE ST. TO MCLEAN ST.                            | 9    | 2      | 240             |                  |        |
|          | NIMBIN PL TO GRAFTON ST                              | 9    | 5      | 600             |                  |        |
|          | SCARBOROUGH ST TO BOUNDRY ST                         | 9    | 10     | 1200            |                  |        |
|          | KORORA SCHOOL DR TO START CONCRETE F                 | 9    | 3      | 360             |                  |        |
|          | O'KEEFE DR TO WINGARA DR                             | 9    | 15     | 1800            |                  |        |

note: without the srv, kerb could only be removed using maintenance funds

## Appendix 2

|                                      |   |    |      |         |        |
|--------------------------------------|---|----|------|---------|--------|
| HIGHWAY TO START OF KERB             | 9 | 2  | 240  |         |        |
| THIRTEENTH AVE TO MAY ST             | 9 | 5  | 600  |         |        |
| THIRTEENTH AVE TO MAY ST             | 9 | 4  | 480  |         |        |
| NEWCASTLE DR TO END OF KERB & GUTTER | 9 | 6  | 720  |         |        |
| LONG ST TO ALEXANDER ST              | 9 | 8  | 960  |         |        |
| PLANTATION AVE TO ANN ST             | 9 | 10 | 1200 |         |        |
| PLANTATION AVE TO ANN ST             | 9 | 8  | 960  |         |        |
| PLANTATION AVE TO ANN ST             | 9 | 6  | 720  |         |        |
| KATHERINE CL TO FREDERICK ST         | 9 | 35 | 4200 |         |        |
| START A/C TO SHEPHARDS LANE          | 9 | 10 | 1200 |         |        |
| COFF ST TO HIGH ST                   | 9 | 1  | 120  |         |        |
| JACK LADD ST TO GREEN LEA CRES (STH) | 9 | 60 | 7200 |         |        |
| DAMLEN ST TO START AC                | 9 | 10 | 1200 |         |        |
| DYER ROAD TO MURPHY CRES             | 9 | 3  | 360  |         |        |
| MEADOW ST. TO COMBINE ST.            | 9 | 3  | 360  |         |        |
| BRODIE DR TO SERVICE RD              | 9 | 5  | 600  |         |        |
| ORLANDO ST (EAST) TO 300.0 M         | 9 | 5  | 600  |         |        |
| HOOD ST TO EDGAR ST                  | 9 | 3  | 360  |         |        |
| EDGAR ST TO ORLANDO ST               | 9 | 10 | 1200 |         |        |
| COLLINGWOOD ST TO EDINBURGH ST       | 9 | 3  | 360  |         |        |
| CORAMBA RD TO MCCANN'S BRIDGE        | 9 | 5  | 600  |         |        |
| WOODHOUSE RD TO WANSBOROUGH AVE      | 9 | 6  | 720  |         |        |
| HIGH ST TO COLLINGWOOD ST            | 9 | 3  | 360  |         |        |
| PARK AVE TO ALBANY ST                | 9 | 3  | 360  |         |        |
| NELSON ST TO WATERLOO ST             | 9 | 5  | 600  |         |        |
| BEACH ST TO TURON PDE                | 9 | 25 | 3000 |         |        |
| BEACH ST TO SCARBOROUGH ST           | 9 | 8  | 960  |         |        |
| START KERB TO SIMON ST               | 9 | 17 | 2040 | 200,000 | year 2 |
| BELMGROVE ST (STH) TO BELMGROVE ST ( | 9 | 5  | 600  |         |        |
| RAMORNIE DR TO KINTORIE CR           | 9 | 12 | 1440 |         |        |
| RAMORNIE DR TO KINTORIE CR           | 9 | 7  | 840  |         |        |
| LAKESIDE DR TO END                   | 9 | 4  | 480  |         |        |
| LINKS AVE TO END                     | 9 | 3  | 360  |         |        |
| PARKES DR (STH) TO ARDEN ST          | 9 | 16 | 1920 |         |        |
| PACIFIC AVE TO YORK ST               | 9 | 6  | 720  |         |        |
| KING ST TO END                       | 9 | 5  | 600  |         |        |
| ARTHUR ST TO COLUMBUS CIRCUIT        | 9 | 6  | 720  |         |        |
| ARTHUR ST TO COLUMBUS CIRCUIT        | 9 | 1  | 120  |         |        |
| ANTARIES AVE (NTH) TO ABEL TASMAN DR | 9 | 3  | 360  |         |        |
| WARRAWEE ST TO ALKINA ST             | 9 | 4  | 480  |         |        |
| MERINDA AVE TO NARDIE ST             | 9 | 6  | 720  |         |        |
| MERINDA AVE TO NARDIE ST             | 9 | 7  | 840  |         |        |
| TURON PDE STH TO TURON PDE NTH       | 9 | 1  | 120  |         |        |
| TURON PDE (NTH) TO NEWMAN ST         | 9 | 1  | 120  |         |        |
| LAUREL ST TO BELLEVUE DR             | 9 | 4  | 480  |         |        |
| ARDEN ST TO KORORA BAY DR            | 9 | 15 | 1800 |         |        |
| ARDEN ST TO KORORA BAY DR            | 9 | 25 | 3000 |         |        |
| ELM ST TO MAPLE ST                   | 9 | 4  | 480  |         |        |
| ELM ST TO MAPLE ST                   | 9 | 2  | 240  |         |        |
| VERA DR (NTH) TO VERA DR (STH)       | 9 | 1  | 120  |         |        |
| ANTARIES AVE (STH) TO PERRY DR       | 9 | 1  | 120  |         |        |
| YORK ST TO PHILLIP ST                | 9 | 1  | 120  |         |        |
| VINCENT ST TO PRINCE ST              | 9 | 3  | 360  |         |        |
| CAR PARK ENTRANCE TO START AC        | 9 | 1  | 120  |         |        |
| MOORE ST TO NILE ST                  | 9 | 1  | 120  |         |        |
| GORDON ST TO EARL ST                 | 9 | 5  | 600  |         |        |
| AVENUE ST TO CURACOA ST              | 9 | 20 | 2400 |         |        |
| AVENUE ST TO CURACOA ST              | 9 | 5  | 600  |         |        |
| ROBERT GARRETT ST TO FERAN CRES      | 9 | 1  | 120  |         |        |
| MORRISON CL TO REID DR (SOUTH)       | 9 | 1  | 120  |         |        |
| RIDGE ST TO DIVIDED RD               | 9 | 5  | 600  |         |        |
| FIFTEENTH AVE TO SEVENTEENTH AVE     | 9 | 2  | 240  |         |        |
| LONG ST TO HILLVIEW CRES (WEST)      | 9 | 4  | 480  |         |        |
| ZARA PL TO CORAL AVE                 | 9 | 3  | 360  |         |        |
| CORFE ST TO MARTIN ST                | 9 | 30 | 3600 |         |        |
| JEMALONG CRES TO RAMORNIE DR         | 9 | 2  | 240  |         |        |
| HIGH ST TO COLLINGWOOD ST            | 9 | 5  | 600  |         |        |
| SERVICE RD TO END OF KERB            | 9 | 10 | 1200 |         |        |
| MEADOW ST. TO COMBINE ST.            | 9 | 1  | 120  |         |        |
| MEADOW ST. TO HILL ST.               | 9 | 3  | 360  |         |        |
| ALBANY ST TO LITTLE ST               | 9 | 3  | 360  |         |        |
| EDINBURGH ST TO HOOD ST              | 9 | 8  | 960  |         |        |

## Appendix 2

|                                       |   |     |      |
|---------------------------------------|---|-----|------|
| JOYCE ST (STH) TO ROSEDALE RD (STH)   | 9 | 15  | 1800 |
| JACK LADD ST TO GREEN LEA CRES (STH)  | 9 | 10  | 1200 |
| CORAL AVE TO LUCAS AVE                | 9 | 5   | 600  |
| RIDGE ST TO DIVIDED RD                | 9 | 6   | 720  |
| RIDGE ST TO DIVIDED RD                | 9 | 5   | 600  |
| COMBINE ST TO PETERSON RD             | 9 | 5   | 600  |
| BEACH ST TO SHORT ST                  | 9 | 25  | 3000 |
| SPICER CL TO KINGFISHER CL            | 9 | 2   | 240  |
| BONVILLE WATERS DR TO CUL DE SAC      | 9 | 1   | 120  |
| TOM ALBERT PL TO MOLLER DR            | 9 | 2   | 240  |
| TOM ALBERT PL TO MOLLER DR            | 9 | 10  | 1200 |
| GILLIBRI CR (NTH) TO TINDARRA DR (NT) | 9 | 1   | 120  |
| MERINDA AVE TO NARDIE ST              | 9 | 7   | 840  |
| NEPEAN CL TO KARUAH AVE               | 9 | 12  | 1440 |
| BRADLEY ST TO RAYMOND ST              | 9 | 6   | 720  |
| ELM ST TO BRADLEY ST                  | 9 | 2   | 240  |
| ELM ST TO BRADLEY ST                  | 9 | 2   | 240  |
| BRADLEY ST TO DEBORAH CL              | 9 | 3   | 360  |
| HIGHWAY TO ELM ST                     | 9 | 20  | 2400 |
| JOYCE ST TO ZARA PL                   | 9 | 5   | 600  |
| JOYCE ST (STH) TO ROSEDALE RD (STH)   | 9 | 2   | 240  |
| ROSEDALE RD (STH) TO CALALA PL        | 9 | 28  | 3360 |
| GREEN LEA CRES (STH) TO JACKSON PL    | 9 | 9   | 1080 |
| DYER ROAD TO MURPHY CRES              | 9 | 23  | 2760 |
| MEADOW ST. TO COMBINE ST.             | 9 | 5   | 600  |
| NORTH BOAMBEE DR TO KEONA CRC         | 9 | 2   | 240  |
| ROBERT GARRETT ST TO FERAN CRES       | 9 | 2   | 240  |
| MOORE ST TO NILE ST                   | 9 | 12  | 1440 |
| MEADOW ST TO END                      | 9 | 5   | 600  |
| FIRST AVE TO FOURTH AVE               | 9 | 8   | 960  |
| GALE ST TO KEEVERS CL                 | 9 | 3   | 360  |
| GALE ST TO KEEVERS CL                 | 9 | 3   | 360  |
| THOMPSONS RD TO GREENLINKS AVE        | 9 | 3   | 360  |
| CORIEDALE DR TO ROMNEY CL             | 9 | 2   | 240  |
| BICKNELL DR TO END                    | 9 | 3   | 360  |
| TALOUMBI RD TO END                    | 9 | 3   | 360  |
| DIGGERS BCH RD TO COCKLE COURT        | 9 | 2   | 240  |
| BAY DR TO SH10                        | 9 | 10  | 1200 |
| ARDEN ST TO PARKES DR (NTH)           | 9 | 3   | 360  |
| WARRAWEE ST TO ELOUERA DR             | 9 | 15  | 1800 |
| WOODHOUSE RD TO END                   | 9 | 3   | 360  |
| ARRAWARRA RD TO END                   | 9 | 4   | 480  |
| NTH BELLGROVE ST TO BELLGROVE ST (NT) | 9 | 2   | 240  |
| PLAYFORD AVE TO DUNCAN CL             | 9 | 2   | 240  |
| LINKS AVE TO END                      | 9 | 5   | 600  |
| FIRST AVE TO FOURTH AVE               | 9 | 0.3 | 36   |
| 86M TO END                            | 9 | 2   | 240  |
| HIGH ST TO END                        | 9 | 6   | 720  |
| PACIFIC ST TO 364M                    | 9 | 3   | 360  |
| PACIFIC ST TO 364M                    | 9 | 6   | 720  |
| HUBBARD ST TO BARNES ST               | 9 | 5   | 600  |
| SARE ST TO SMAILS CL                  | 9 | 3   | 360  |
| MATHEWS PARADE TO NILAND CRS          | 9 | 8   | 960  |
| MATHEWS PARADE TO END                 | 9 | 2   | 240  |
| PACIFIC ST TO 364M                    | 9 | 20  | 2400 |
| ARGYLL ST (EST) TO ARGYLL ST (WST)    | 9 | 3   | 360  |
| ARGYLL ST TO END                      | 9 | 1   | 120  |
| ARGYLL ST TO END                      | 9 | 4   | 480  |
| BRAY ST TO KURRAJONG ST               | 9 | 8   | 960  |
| BICKNELL DR TO END                    | 9 | 1   | 120  |
| TALOUMBI RD TO WILGA PL               | 9 | 25  | 3000 |
| FIRMAN DR TO BAY DR                   | 9 | 1   | 120  |
| COLUMBUS CIRCUIT TO PARK BEACH RD     | 9 | 2   | 240  |
| GENTLE ST TO START A\C                | 9 | 1   | 120  |
| BRODIE DR (NTH) TO LEE ST             | 9 | 1   | 120  |
| JARRETT ST TO SHORT ST                | 9 | 1   | 120  |
| 218 TO END                            | 9 | 1   | 120  |
| MASONARY RD TO A/C                    | 9 | 1   | 120  |
| ROBY CL TO TOORMINA RD                | 9 | 1.5 | 180  |
| RAMORNIE DR TO KINTORIE CR            | 9 | 1   | 120  |
| ALVERSON CL TO LADY BELLMORE DR       | 9 | 2   | 240  |
| MAY ST TO CIRCULAR AVE (WEST)         | 9 | 25  | 3000 |

## Appendix 2

|   |          |            |              |  |               |
|---|----------|------------|--------------|--|---------------|
| DIRRIGEREE CR (STH) TO DIRRIGEREE CR                            | 9        | 6          | 720          |  |               |
| DIRRIGEREE CR (STH) TO DIRRIGEREE CR                            | 9        | 5          | 600          |  |               |
| JARRETT ST TO VICTORIA ST                                       | 9        | 3          | 360          |  |               |
| DIRRIGEREE CR (STH) TO DIRRIGEREE CR                            | 9        | 15         | 1800         |  |               |
| BAILEY AVENUE TO END  | 9        | 10         | 1200         |  |               |
| MCLEAN ST. TO HIGH ST.  | 9        | 5          | 600          |  |               |
| GREENLINKS AVE. TO END OF RD.                                   | 9        | 4          | 480          |  |               |
| HIGH ST TO BRIDGE   | 9        | 5          | 600          |  |               |
| PETERSON RD TO PITT SQUARE (NORTH)                              | 9        | 5          | 600          |  |               |
| START KERB TO SIMON ST  | 9        | 6          | 720          |  |               |
| HUBBARD ST TO BARNES ST   | 9        | 12         | 1440         |  |               |
| NOTORIS PL TO ALVERSON CL                                       | 9        | 1          | 120          |  |               |
| SARE ST TO SMAILS CL  | 9        | 6          | 720          |  |               |
| SIMON ST TO DAMLEN ST   | 9        | 3          | 360          |  |               |
| TASMAN ST TO CARAVAN PARK ENT                                   | 9        | 25         | 3000         |  |               |
| TASMAN ST TO CARAVAN PARK ENT                                   | 9        | 15         | 1800         |  |               |
| TASMAN ST TO CARAVAN PARK ENT                                   | 9        | 25         | 3000         |  |               |
| MARTIN ST TO FLAHERTY ST  | 9        | 10         | 1200         |  |               |
| MARTIN ST TO FLAHERTY ST  | 9        | 3          | 360          |  |               |
| HOWEA CRT TO END  | 9        | 15         | 1800         |  |               |
| BONVILLE WATERS DR TO DAVID WATT CL                             | 9        | 4          | 480          |  |               |
| DIRRIGEREE CR (STH) TO DIRRIGEREE CR                            | 9        | 4          | 480          |  |               |
| KERB & GUTTER TO LALAGULI DR                                    | 9        | 15         | 1800         |  |               |
| WARRAWEE ST TO ELOUERA DR                                       | 9        | 6          | 720          |  |               |
| BLUE WATER PL TO END  | 9        | 7          | 840          |  |               |
| KORORA BAY DR TO END  | 9        | 4          | 480          |  |               |
| LINKS AVE TO END  | 9        | 5          | 600          |  |               |
| JAMES SMALL DR TO END   | 9        | 1          | 120          |  |               |
| JAMES SMALL DR TO END   | 9        | 6          | 720          |  |               |
| DIGGERS BCH RD TO COCKLE COURT                                  | 9        | 6          | 720          |  |               |
| RICHMOND DR TO END  | 9        | 5          | 600          |  |               |
| RICHMOND DR TO END  | 9        | 5          | 600          |  |               |
| RICHMOND DR TO HIGHWAY  | 9        | 7          | 840          |  |               |
| SAN FRANCISCO AVE TO PACIFIC AVE                                | 9        | 2          | 240          |  |               |
| FINCH CRES (STH) TO FINCH CRES (NTH)                            | 9        | 3          | 360          |  |               |
| BRAY ST (WEST) TO BRAY ST (EAST)                                | 9        | 4          | 480          |  |               |
| MALOUF CL TO END  | 9        | 3          | 360          |  |               |
| BRAY ST TO END  | 9        | 2          | 240          |  |               |
| BAILEY AVENUE TO END  | 9        | 3          | 360          |  |               |
| BAILEY AVENUE TO END  | 9        | 7          | 840          |  |               |
| END K&G TO JOYCE ST   | 9        | 35         | 4200         |  |               |
| GREEN LEA CR (STH) TO GREEN LEA CR (                            | 9        | 3          | 360          |  |               |
| GREEN LEA CR (STH) TO GREEN LEA CR (                            | 9        | 2          | 240          |  |               |
| CORAL AVE TO PLANTATION AVE                                     | 9        | 6          | 720          |  |               |
| BAILEY AVE TO CORAL AVE   | 9        | 8          | 960          |  |               |
| BAILEY AVE TO CORAL AVE   | 9        | 5          | 600          |  |               |
| MARCIA ST TO PRINCE JAMES AVE                                   | 9        | 30         | 3600         |  |               |
| BERYL ST TO CHURINGA PL   | 9        | 4          | 480          |  |               |
| MURRAY DR (EAST) TO MURRAY DR (WEST)                            | 9        | 15         | 1800         |  |               |
| MURRAY DR (EAST) TO MURRAY DR (WEST)                            | 9        | 5          | 600          |  |               |
| TASMAN AVE TO END   | 9        | 6          | 720          |  |               |
| COMBINE ST TO END   | 9        | 6          | 720          |  |               |
| ORMAN CL TO COMBINE ST (WEST)                                   | 9        | 3          | 360          |  |               |
| ORMAN CL TO COMBINE ST (WEST)                                   | 9        | 4          | 480          |  |               |
| KING ST TO END  | 9        | 5          | 600          |  |               |
| AZALEA AVE TO LEA CL  | 9        | 15         | 1800         |  |               |
| MEADOW ST TO END  | 9        | 2          | 240          |  |               |
| SAND ST. TO END OF RD.  | 9        | 6          | 720          |  |               |
| CASSANDRA CL TO END OF RD                                       | 9        | 6          | 720          |  |               |
| NILE ST TO JARRETT ST   | 9        | 5          | 600          |  |               |
|   |          |            | 0            |  |               |
|   |          |            | 0            |  |               |
|   |          |            | 0            |  |               |
| <b>AVENUE : From : 118.6 To : EARL ST</b>                       | <b>9</b> | <b>13</b>  | <b>1560</b>  |  |               |
| <b>BELMGROVE : From : CIRCULAR AVE (EAST) To : ELIZABETH ST</b> | <b>9</b> | <b>81</b>  | <b>9720</b>  |  |               |
| <b>BELMGROVE : From : CIRCULAR AVE (EAST) To : ELIZABETH ST</b> | <b>9</b> | <b>81</b>  | <b>9720</b>  |  |               |
| <b>BELMGROVE : From : CIRCULAR AVE (WEST) To : CIRCULAR AVE</b> | <b>9</b> | <b>164</b> | <b>19680</b> |  |               |
| <b>BELMGROVE : From : CIRCULAR AVE (WEST) To : CIRCULAR AVE</b> | <b>9</b> | <b>164</b> | <b>19680</b> |  |               |
| <b>BELMGROVE : From : MAY ST To : CIRCULAR AVE (WEST)</b>       | <b>9</b> | <b>83</b>  | <b>9960</b>  |  | <b>year 3</b> |
| <b>BELMGROVE : From : MAY ST To : CIRCULAR AVE (WEST)</b>       | <b>9</b> | <b>83</b>  | <b>9960</b>  |  |               |
| <b>MCALPINE : From : SYMONS AVE To : YARAD PL</b>               | <b>9</b> | <b>205</b> | <b>24600</b> |  |               |
| <b>MCALPINE : From : YARAD PL To : END DISH CROSSING</b>        | <b>9</b> | <b>94</b>  | <b>11280</b> |  |               |

## Appendix 2

|   |   |     |       |        |
|---|---|-----|-------|--------|
| BORONIA : From : THIRTEENTH AVE To : MAY ST                 | 8 | 115 | 13800 |        |
| CIRCULAR : From : BELLGROVE ST (STH) To : BELLGROVE ST (    | 8 | 362 | 43440 |        |
| CIRCULAR : From : BELLGROVE ST (STH) To : BELLGROVE ST (    | 8 | 362 | 43440 |        |
| CIRCULAR : From : NTH BELLGROVE ST To : BELLGROVE ST (NT    | 8 | 263 | 31560 |        |
| CIRCULAR : From : NTH BELLGROVE ST To : BELLGROVE ST (NT    | 8 | 263 | 31560 |        |
| PACIFIC : From : SAN FRANCISCO AVE To : COLUMBUS CIRC       | 8 | 263 | 31560 |        |
| PACIFIC : From : SAN FRANCISCO AVE To : COLUMBUS CIRC       | 8 | 263 | 31560 | year 4 |
| RICHMOND : From : DIGGERS BEACH RD To : CLARENCE CR         | 8 | 78  | 9360  |        |
| WESTSIDE : From : KING ST To : END                          | 8 | 88  | 10560 |        |
| WESTSIDE : From : KING ST To : END                          | 8 | 88  | 10560 |        |
| ALBANY ST : From : CURACOA ST To : START ROUNDABOUT EARL ST | 7 | 205 | 24600 |        |
| ALBANY ST : From : CURACOA ST To : START ROUNDABOUT EARL ST | 7 | 205 | 24600 |        |
| ALKINA : From : WARRAWEE ST To : ELOUERA DR                 | 7 | 206 | 24720 |        |
| ALKINA : From : WARRAWEE ST To : ELOUERA DR                 | 7 | 206 | 24720 |        |
| ANN ST : From : PLANTATION AVE To : BERYL ST                | 7 | 87  | 10440 |        |
| BEACH : From : HEADLAND RD To : LAKESIDE DR                 | 7 | 248 | 29760 |        |
| BEACH : From : LAKESIDE DR To : END                         | 7 | 110 | 13200 |        |
| BEACH : From : LAKESIDE DR To : END                         | 7 | 110 | 13200 |        |
| BOULTWOOD : From : OCEAN PDE To : HOGBIN DR NTH             | 7 | 184 | 22080 |        |
| BOULTWOOD : From : OCEAN PDE To : HOGBIN DR NTH             | 7 | 184 | 22080 | year 5 |
| BRAY : From : KATHERINE CL To : FREDERICK ST                | 7 | 94  | 11280 |        |
| CANOMIE : From : WARRAWEE ST To : ELOUERA DR                | 7 | 230 | 27600 |        |
| CANOMIE : From : WARRAWEE ST To : ELOUERA DR                | 7 | 230 | 27600 |        |
| COLUMBUS : From : PACIFIC AVE To : YORK ST                  | 7 | 91  | 10920 |        |
| COLUMBUS : From : PACIFIC AVE To : YORK ST                  | 7 | 91  | 10920 |        |
| COLUMBUS : From : SAN FRANCISCO AVE To : PACIFIC AVE        | 7 | 90  | 10800 |        |
| COLUMBUS : From : SAN FRANCISCO AVE To : PACIFIC AVE        | 7 | 90  | 10800 |        |
| COOK : From : O'KEEFE DR To : WINGARA DR                    | 7 | 359 | 43080 |        |
| COOK : From : O'KEEFE DR To : WINGARA DR                    | 7 | 359 | 43080 |        |
| CORAL : From : MARCIA ST To : PRINCE JAMES AVE              | 7 | 108 | 12960 |        |
| CORAL : From : MARCIA ST To : PRINCE JAMES AVE              | 7 | 108 | 12960 |        |
| EDGAR : From : MILDURA ST To : END OF KERB                  | 7 | 235 | 28200 | year 6 |
| EIGHTH : From : BORONIA ST To : ELIZABETH ST                | 7 | 220 | 26400 |        |
| EIGHTH : From : BORONIA ST To : ELIZABETH ST                | 7 | 220 | 26400 |        |
| ELOUERA : From : ALKINA ST To : MERINDA AVE                 | 7 | 92  | 11040 |        |
| ELOUERA : From : ALKINA ST To : MERINDA AVE                 | 7 | 92  | 11040 |        |
| ELOUERA : From : CANOMIE ST To : HEADLAND RD                | 7 | 83  | 9960  |        |
| ELOUERA : From : CANOMIE ST To : HEADLAND RD                | 7 | 83  | 9960  |        |
| ELOUERA : From : MERINDA AVE To : NARDIE ST                 | 7 | 125 | 15000 |        |
| ELOUERA : From : MERINDA AVE To : NARDIE ST                 | 7 | 125 | 15000 |        |
| ELOUERA : From : NARDIE ST To : CANOMIE ST                  | 7 | 103 | 12360 |        |
| ELOUERA : From : NARDIE ST To : CANOMIE ST                  | 7 | 103 | 12360 |        |
| ELOUERA : From : WARRAWEE ST To : ALKINA ST                 | 7 | 220 | 26400 |        |
| ELOUERA : From : WARRAWEE ST To : ALKINA ST                 | 7 | 220 | 26400 |        |
| EUGOURIE : From : MURRAY DR To : END                        | 7 | 65  | 7800  |        |
| EUGOURIE : From : MURRAY DR To : END                        | 7 | 65  | 7800  | year 7 |
| HEADLAND : From : BEACH RD To : ELOURA DR                   | 7 | 165 | 19800 |        |
| HILLVIEW : From : MURRAY DR (EAST) To : MURRAY DR (WEST)    | 7 | 293 | 35160 |        |
| HILLVIEW : From : MURRAY DR (EAST) To : MURRAY DR (WEST)    | 7 | 293 | 35160 |        |
| JOYCE : From : BAILEY AVE To : JACK LADD ST                 | 7 | 36  | 4320  |        |
| KORORA BAY : From : LINKS AVE To : MIRANDA PL               | 7 | 82  | 9840  |        |
| KORORA BAY : From : LINKS AVE To : MIRANDA PL               | 7 | 82  | 9840  |        |
| LAKESIDE : From : POINCIANNA AVE To : END                   | 7 | 161 | 19320 |        |
| LINKS : From : ARDEN ST To : KORORA BAY DR                  | 7 | 76  | 9120  |        |
| LINKS : From : ARDEN ST To : KORORA BAY DR                  | 7 | 76  | 9120  |        |
| LINKS : From : BELLEVUE DR To : KOTARA PL                   | 7 | 75  | 9000  |        |
| LINKS : From : BELLEVUE DR To : KOTARA PL                   | 7 | 75  | 9000  |        |
| LINKS : From : KOTARA PL To : ARDEN ST                      | 7 | 14  | 1680  |        |
| LINKS : From : KOTARA PL To : ARDEN ST                      | 7 | 14  | 1680  |        |
| LINKS : From : LAUREL ST To : BELLEVUE DR                   | 7 | 64  | 7680  |        |
| LINKS : From : LAUREL ST To : BELLEVUE DR                   | 7 | 64  | 7680  |        |
| LINKS : From : START OF KERB & GUTT To : LAUREL ST          | 7 | 78  | 9360  |        |
| LINKS : From : START OF KERB & GUTT To : LAUREL ST          | 7 | 78  | 9360  |        |
| MAPLE : From : ARGYLL ST To : END                           | 7 | 153 | 18360 |        |
| MAPLE : From : ARGYLL ST To : END                           | 7 | 153 | 18360 |        |
| MAY : From : BELLGROVE ST To : ELEVENTH AVE                 | 7 | 105 | 12600 | year 8 |
| MAY : From : BORONIA ST To : BELLGROVE ST                   | 7 | 133 | 15960 |        |
| MEADOW : From : AZALEA AVE To : LEA CL                      | 7 | 113 | 13560 |        |
| MERINDA : From : WARRAWEE ST To : ELOUERA DR                | 7 | 238 | 28560 |        |
| MERINDA : From : WARRAWEE ST To : ELOUERA DR                | 7 | 238 | 28560 |        |
| MIRROOLA : From : TOORMINA RD To : NYAH PL                  | 7 | 95  | 11400 |        |

## Appendix 2

|  |   |     |       |         |
|--|---|-----|-------|---------|
| MOONEE : From : ELBOW ST To : END ROAD                     | 7 | 157 | 18840 |         |
| MOONEE : From : ELBOW ST To : END ROAD                     | 7 | 157 | 18840 |         |
| MURRAY DR : From : LONG ST To : HILLVIEW CRES (WEST)       | 7 | 90  | 10800 |         |
| MURRAY DR : From : LONG ST To : HILLVIEW CRES (WEST)       | 7 | 90  | 10800 |         |
| NARDIE ST : From : WARRAWEE ST To : ELOUERA DR             | 7 | 258 | 30960 |         |
| NARDIE ST : From : WARRAWEE ST To : ELOUERA DR             | 7 | 258 | 30960 |         |
| NORMAN HILL : From : JAMES SMALL DR To : CREEK             | 7 | 36  | 4320  |         |
| OKEEFE : From : WINGARA DR To : END                        | 7 | 72  | 8640  |         |
| ORLANDO : From : BRODIE DR To : SERVICE RD                 | 7 | 143 | 17160 | year 9  |
| PARK AVENUE LANE : From : START OF KERB & GUTT To : GORDON | 7 | 90  | 10800 |         |
| PARKES : From : ARDEN ST To : PARKES DR (NTH)              | 7 | 331 | 39720 |         |
| PARKES : From : ARDEN ST To : PARKES DR (NTH)              | 7 | 331 | 39720 |         |
| PARKES : From : PARKES DR (STH) To : ARDEN ST              | 7 | 88  | 10560 |         |
| PARKES : From : PARKES DR (STH) To : ARDEN ST              | 7 | 88  | 10560 |         |
| POINCIANNA : From : LAKESIDE DR To : END                   | 7 | 90  | 10800 |         |
| POINCIANNA : From : LAKESIDE DR To : END                   | 7 |     | 0     |         |
| PRINCE JAMES : From : BAILEY AVE To : CORAL AVE            | 7 | 479 | 57480 |         |
| PRINCE JAMES : From : BAILEY AVE To : CORAL AVE            | 7 | 479 | 57480 |         |
| PRINCE JAMES : From : CORAL AVE To : PLANTATION AVE        | 7 | 274 | 32880 | year 10 |
| PRINCE JAMES : From : CORAL AVE To : PLANTATION AVE        | 7 | 274 | 32880 |         |
| SCARBOROUGH : From : BEACH ST To : SHORT ST                | 7 | 128 | 15360 |         |
| SCARBOROUGH : From : BEACH ST To : SHORT ST                | 7 | 128 | 15360 |         |
| SECOND : From : ELIZABETH ST To : FIRST AVE                | 7 | 114 | 13680 |         |
| SECOND : From : ELIZABETH ST To : FIRST AVE                | 7 | 114 | 13680 |         |
| SECOND : From : FIRST AVE To : FOURTH AVE                  | 7 | 78  | 9360  |         |
| SECOND : From : FIRST AVE To : FOURTH AVE                  | 7 | 78  | 9360  |         |
| SHELLCOVE : From : SANDY BEACH RD To : END                 | 7 | 188 | 22560 |         |
| SHELLCOVE : From : SANDY BEACH RD To : END                 | 7 | 188 | 22560 |         |
| ZARA : From : BAILEY AVENUE To : END                       | 7 | 231 | 27720 |         |

## Appendix 2

### 10 year carpark renewal program

| Seg    | ROAD OR                                   |                |         |            |        |           |         | available  |          | without srv   |
|--------|---|----------------|---------|------------|--------|-----------|---------|------------|----------|---------------|
| I.D.   | STREET                                    |                | Cost of | Repair +   | Reseal | Treatment |         | funds with | with srv | only \$5,000  |
| No.    | NAME                                      | Blanks - rural | repairs | Seal Costs | Costs  | Year      |         | srv        | year     | available per |
| 235064 | CAR PARK BOAMBEE CREEK                    | are Rural      | 4,437   | 10,053     | 5,616  | 2014/15   |         | 30,000     | year 1   | year 1        |
| 235128 | CAR PARK KORORA                           | KORORA         | 6,719   | 15,224     | 8,505  | 2014/15   |         |            |          | year 6        |
| 235119 | CAR PARK JORDON ESPLANADE NO1             | COFFS HARBOUR  | 8,959   | 20,299     | 11,340 | 2015/16   | 60,000  |            | year 2   | year 11       |
| 235067 | CAR PARK BONVILLE HEADLAND                | SAWTELL        | 2,634   | 5,969      | 3,335  | 2015/16   |         |            |          |               |
| 235073 | CAR PARK SURF CLUB                        | COFFS HARBOUR  |         | -          |        | 2015/16   |         |            |          |               |
| 235068 | CAR PARK BONVILLE CREEK                   | SAWTELL        | 6,470   | 14,660     | 8,190  | 2015/16   |         |            |          |               |
| 235072 | CAR PARK PORPOISE POOL                    | COFFS HARBOUR  |         | 17,150     | 17,150 | 2015/16   |         |            |          |               |
| 235120 | CAR PARK JORDON ESPLANADE NO2             | COFFS HARBOUR  | 4,479   | 10,149     | 5,670  | 2016/17   | 90,000  |            | year 3   |               |
| 235129 | CAR PARK KORORA                           | KORORA         | 4,693   | 10,633     | 5,940  | 2016/17   |         |            |          |               |
| 235075 | CAR PARK PARK BEACH                       | COFFS HARBOUR  | 4,998   | 11,325     | 6,327  | 2016/17   |         |            |          |               |
| 110261 | CAR PARK SQUASH COURTS                    | COFFS HARBOUR  | 4,437   | 10,053     | 5,616  | 2016/17   |         |            |          |               |
| 235071 | CAR PARK BEACON HIL LOOKOUTL              | COFFS HARBOUR  | 5,972   | 13,532     | 7,560  | 2016/17   |         |            |          |               |
| 110273 | CAR PARK DUKE STREET                      | COFFS HARBOUR  | 9,954   | 22,554     | 12,600 | 2017/18   | 90,000  |            | year 4   |               |
| 110268 | CAR PARK FISHING CLUB CARPARK             | COFFS HARBOUR  | 17,519  | 39,695     | 22,176 | 2017/18   |         |            |          |               |
| 235080 | CAR PARK BRAY STREET                      | COFFS HARBOUR  | 5,631   | 12,759     | 7,128  | 2017/18   |         |            |          |               |
| 235131 | CAR PARK AIRPORT                          | COFFS HARBOUR  |         | 5,382      | 5,382  | 2017/18   |         |            |          |               |
| 235065 | CAR PARK BOAMBEE CREEK (first left)       | SAWTELL        | 2,880   | 6,525      | 3,645  | 2018/19   | 90,000  |            | year 5   |               |
| 235070 | CAR PARK INTERNATIONAL STADIUM NO1        | COFFS HARBOUR  | 48,234  | 109,290    | 61,056 | 2018/19   |         |            |          |               |
| 235081 | CAR PARK BOTANIC GARDENS                  | COFFS HARBOUR  | 9,407   | 21,314     | 11,907 | 2019/20   | 105,000 |            | year 6   |               |
| 235062 | CAR PARK EARL ST                          | COFFS HARBOUR  | 3,583   | 8,119      | 4,536  | 2019/20   |         |            |          |               |
| 235074 | CAR PARK PARK BEACH No1 (OCEAN PARADE/VII | COFFS HARBOUR  |         | 3,060      | 3,060  | 2019/20   |         |            |          |               |
| 110260 | CAR PARK WOOLWORTHS CARPARK               | COFFS HARBOUR  | 10,754  | 24,367     | 13,613 | 2019/20   |         |            |          |               |
| 110259 | CAR PARK BIG W CARPARK NO2                | COFFS HARBOUR  | 912     | 2,066      | 1,154  | 2019/20   |         |            |          |               |
| 110263 | CAR PARK ELBOW STREET                     | COFFS HARBOUR  |         | 12,393     | 12,393 | 2019/20   |         |            |          |               |
| 235124 | CAR PARK SEVENTEENTH AVE                  | SAWTELL        |         | 7,560      | 7,560  | 2019/20   |         |            |          |               |
| 235123 | CAR PARK MULLAWAY                         | NTH BEACHES    |         | 8,978      | 8,978  | 2019/20   |         |            |          |               |
| 235063 | CAR PARK BRELSFORD PARK                   | COFFS HARBOUR  |         | 2,318      | 2,318  | 2019/20   |         |            |          |               |
| 235078 | CAR PARK DIGGERS BEACH                    | COFFS HARBOUR  |         | 7,200      | 7,200  | 2019/20   |         |            |          |               |
| 235077 | CAR PARK DIGGERS BEACH                    | COFFS HARBOUR  |         | 6,534      | 6,534  | 2019/20   |         |            |          |               |
| 235125 | CAR PARK CENTENARY DRIVE                  | WOOLGOOLGA     |         | 5,382      | 5,382  | 2019/20   |         |            |          |               |
| 235066 | CAR PARK BOAMBEE HEADLAND                 | SAWTELL        |         | 5,292      | 5,292  | 2019/20   |         |            |          |               |
| 235134 | CAR PARK AIRPORT                          | COFFS HARBOUR  |         | 6,584      | 6,584  | 2019/20   |         |            |          |               |
| 235121 | CAR PARK JETTY FORESHORE                  | COFFS HARBOUR  | 8,560   | 19,396     | 10,836 | 2020/21   | 100,000 |            | year 7   |               |
| 235136 | CAR PARK AIRPORT                          | COFFS HARBOUR  |         | 15,795     | 15,795 | 2020/21   |         |            |          |               |
| 235076 | CAR PARK MACAULEYS HEADLAND               | COFFS HARBOUR  | 5,670   | 12,848     | 7,178  | 2020/21   |         |            |          |               |
| 110262 | CAR PARK GORDON STREET                    | COFFS HARBOUR  |         | 11,160     | 11,160 | 2020/21   |         |            |          |               |
| 110270 | CAR PARK MARKET STREET NO1                | WOOLGOOLGA     |         | 4,050      | 4,050  | 2020/21   |         |            |          |               |
| 235069 | CAR PARK INTERNATIONAL STADIUM NO2        | COFFS HARBOUR  | 19,240  | 43,594     | 24,354 | 2020/21   |         |            |          |               |
| 235135 | CAR PARK AIRPORT                          | COFFS HARBOUR  | 21,757  | 49,297     | 27,540 | 2021/22   | 100,000 |            |          |               |
| 110258 | CAR PARK BIG W CARPARK NO1                | COFFS HARBOUR  | 15,016  | 34,024     | 19,008 | 2021/22   |         |            |          |               |
| 110265 | CAR PARK LYSTER STREET                    | COFFS HARBOUR  |         | 22,995     | 22,995 | 2021/22   |         |            |          |               |
| 235126 | CAR PARK TOORMINA ROAD                    | SAWTELL        |         | 1,566      | 1,566  | 2021/22   |         |            |          |               |
| 235122 | CAR PARK HERMAN REICK AVE                 | KORORA         | 8,667   | 19,638     | 10,971 | 2022/23   | 95,000  |            | year 8   |               |
| 235137 | CAR PARK AIRPORT                          | COFFS HARBOUR  | 725     | 1,643      | 918    | 2022/23   |         |            |          |               |
| 235133 | CAR PARK AIRPORT                          | COFFS HARBOUR  | 4,922   | 11,152     | 6,230  | 2022/23   |         |            |          |               |
| 235130 | CAR PARK AIRPORT                          | COFFS HARBOUR  |         | 7,524      | 7,524  | 2022/23   |         |            |          |               |
| 110272 | CAR PARK COFFS STREET                     | COFFS HARBOUR  |         | 3,870      | 3,870  | 2022/23   |         |            |          |               |
| 235127 | CAR PARK MURRAY DRIVE                     | COFFS HARBOUR  |         | 20,223     | 20,223 | 2022/23   |         |            |          |               |
| 110264 | CAR PARK ADVOCATE                         | COFFS HARBOUR  |         | 3,263      | 3,263  | 2022/23   |         |            |          |               |
| 235132 | CAR PARK AIRPORT                          | COFFS HARBOUR  |         | 4,032      | 4,032  | 2022/23   |         |            |          |               |
| 110269 | CAR PARK FOURTH AVENUE                    | SAWTELL        |         | 3,002      | 3,002  | 2022/23   |         |            |          |               |
| 110271 | CAR PARK MARKET STREET NO2                | WOOLGOOLGA     |         | 4,275      | 4,275  | 2022/23   |         |            |          |               |
| 110274 | CAR PARK NANA GLEN POOL                   |                |         | 2,862      | 2,862  | 2022/23   |         |            |          |               |
| 110266 | CAR PARK SCARBA STREET                    | COFFS HARBOUR  |         | 8,910      | 8,910  | 2022/23   |         |            |          |               |
| 235079 | CAR PARK SEALEY LOOKOUT                   | COFFS HARBOUR  |         | 5,850      | 5,850  | 2022/23   |         |            |          |               |
|        |   |                |         | 767,388    |        |           |         | 760,000    |          |               |

## Appendix 2

### 10 year footpath and cycleway renewal program

| Asset ID | Location            | Location Description                                   | Location Type 3 | Unit of Measure | Renewal Costs \$ | available srv funds \$ | year   |
|----------|---------------------|--|-----------------|-----------------|------------------|------------------------|--------|
| 236462   | NANA ST (33.3m)     | FROM: Crn Of Church St TO: To First Driveway No 16     | NANA GLEN       | m2              | 300              | 50,000                 | year1  |
| 236809   | BEACH ST (171.6m)   | FROM: Scarborough St TO: Short St                      | WOOLGOOLGA      | m2              | 150              |                        |        |
| 236956   | GORDON ST (248.9m)  | FROM: House No 5/7 TO: Albany St                       | COFFS HARBOUR   | m2              | 750              |                        |        |
| 237070   | EARL ST (51.8m)     | FROM: Park Avenue TO: Park Avenue lane                 | COFFS HARBOUR   | m2              | 150              |                        |        |
| 236909   | FIRST AVE (347m)    | FROM: Second Ave TO: Third Ave                         | SAWTELL         | m2              | 150              |                        |        |
| 236650   | PACIFIC ST (905.1m) | FROM: Crn Of Gordon St TO: Crn Of Grafton St Northside | COFFS HARBOUR   | m2              | 8,250            |                        |        |
| 236967   | GALE ST (23.7m)     | FROM: House No 13 TO: House No 17                      | CORAMBA         | m2              | 1,050            |                        |        |
| 236964   | GALE ST (51.3m)     | FROM: House No 37 TO: House No 45                      | CORAMBA         | m2              | 150              |                        |        |
| 236964   | GALE ST (51.3m)     | FROM: House No 37 TO: House No 45                      | CORAMBA         | m2              | 150              |                        |        |
| 236964   | GALE ST (51.3m)     | FROM: House No 37 TO: House No 45                      | CORAMBA         | m2              | 150              |                        |        |
| 236965   | GALE ST (41.3m)     | FROM: House No 33 TO: House No 37                      | CORAMBA         | m2              | 900              |                        |        |
| 236965   | GALE ST (41.3m)     | FROM: House No 33 TO: House No 37                      | CORAMBA         | m2              | 150              |                        |        |
| 236963   | GALE ST (161m)      | FROM: Duncan Bridge Rd TO: Eastern Side Of Bridge      | CORAMBA         | m2              | 1,200            |                        |        |
| 236827   | BEACH ST (63.3m)    | FROM: Wharf St TO: To House No 51                      | WOOLGOOLGA      | m2              | 7,500            |                        |        |
| 236826   | WHARF ST (55.3m)    | FROM: House No 19 TO: Toward Beach St                  | WOOLGOOLGA      | m2              | 600              |                        |        |
| 236827   | BEACH ST (63.3m)    | FROM: Wharf St TO: To House No 51                      | WOOLGOOLGA      | m2              | 1,200            |                        |        |
| 236439   | MARKET/ BEACH (55m) | FROM: Next To No 5 Market St TO: No 58 Beach St Woolg  | WOOLGOOLGA      | m2              | 7,500            |                        |        |
| 237360   | BEACH ST (126.2m)   | FROM: No 25 Beach St TO: End Boundary St               | WOOLGOOLGA      | m2              | 150              |                        |        |
| 237360   | BEACH ST (126.2m)   | FROM: No 25 Beach St TO: End Boundary St               | WOOLGOOLGA      | m2              | 150              |                        |        |
| 236812   | BEACH ST (74.5m)    | FROM: Start of House No 46 TO: To Nightingale St       | WOOLGOOLGA      | m2              | 2,700            |                        |        |
| 236439   | MARKET/ BEACH (55m) | FROM: Next To No 5 Market St TO: No 58 Beach St Woolg  | WOOLGOOLGA      | m2              | 300              |                        |        |
| 236824   | RIVER ST (53.9m)    | FROM: House No 58 TO: House No 60                      | WOOLGOOLGA      | m2              | 300              |                        |        |
| 237419   | RIVER ST (335.8m)   | FROM: House No 15 TO: House No 61                      | WOOLGOOLGA      | m2              | 450              |                        |        |
| 237419   | RIVER ST (335.8m)   | FROM: House No 15 TO: House No 61                      | WOOLGOOLGA      | m2              | 300              |                        |        |
| 237419   | RIVER ST (335.8m)   | FROM: House No 15 TO: House No 61                      | WOOLGOOLGA      | m2              | 300              |                        |        |
| 237419   | RIVER ST (335.8m)   | FROM: House No 15 TO: House No 61                      | WOOLGOOLGA      | m2              | 900              |                        |        |
| 237419   | RIVER ST (335.8m)   | FROM: House No 15 TO: House No 61                      | WOOLGOOLGA      | m2              | 450              |                        |        |
| 237419   | RIVER ST (335.8m)   | FROM: House No 15 TO: House No 61                      | WOOLGOOLGA      | m2              | 600              |                        |        |
| 236809   | BEACH ST (171.6m)   | FROM: Scarborough St TO: Short St                      | WOOLGOOLGA      | m2              | 600              |                        |        |
| 236809   | BEACH ST (171.6m)   | FROM: Scarborough St TO: Short St                      | WOOLGOOLGA      | m2              | 300              |                        |        |
| 237430   | SCARBA ST (272.1m)  | FROM: Crn Of Moonee St TO: House No 19 North Side      | COFFS HARBOUR   | m2              | 150              |                        |        |
| 237003   | MOONEE ST (103.1m)  | FROM: Crn Of West High St TO: Crn Of Scarba St         | COFFS HARBOUR   | m2              | 3,000            |                        |        |
| 237058   | HIGH ST W (15.5m)   | FROM: House No 99 TO: Crn Of Murdock St                | COFFS HARBOUR   | m2              | 600              |                        |        |
| 237058   | HIGH ST W (15.5m)   | FROM: House No 99 TO: Crn Of Murdock St                | COFFS HARBOUR   | m2              | 300              |                        |        |
| 237040   | PACIFC HWY (110m)   | FROM: Crn Of West High St TO: Crn Of Moonee St         | COFFS HARBOUR   | m2              | 750              |                        |        |
| 237048   | COX LN (191.8m)     | FROM: West High St TO: To Elbow St                     | COFFS HARBOUR   | m2              | 450              |                        |        |
| 236582   | SALAMENDER ST (22m) | FROM: House No 3 TO: House No 5                        | COFFS HARBOUR   | m2              | 450              |                        |        |
| 236883   | ALBANY ST (96.5m)   | FROM: Bellingen rd TO: Nimbin pl                       | COFFS HARBOUR   | m2              | 450              |                        |        |
| 236757   | ALBANY ST (204.9m)  | FROM: Gordon Street TO: Earl Street                    | COFFS HARBOUR   | m2              | 450              |                        |        |
| 236884   | HARBOUR DR (214.5m) | FROM: Earl St Southern Side TO: Curacoa St             | COFFS HARBOUR   | m2              | 150              |                        |        |
| 237016   | HIGH ST (41m)       | FROM: Crn Of Gordon St TO: House No 183                | COFFS HARBOUR   | m2              | 300              |                        |        |
| 237072   | HIGH ST (167.3m)    | FROM: House No 183 TO: Crn Of Earl St                  | COFFS HARBOUR   | m2              | 300              |                        |        |
| 237072   | HIGH ST (167.3m)    | FROM: House No 183 TO: Crn Of Earl St                  | COFFS HARBOUR   | m2              | 300              |                        |        |
| 236941   | HARBOUR DR (13.2m)  | FROM: House No 230 TO: House No 230                    | COFFS HARBOUR   | m2              | 450              |                        |        |
| 237017   | HIGH ST (47.9m)     | FROM: Crn Of Gordon St TO: House No 216                | COFFS HARBOUR   | m2              | 300              |                        |        |
| 237017   | HIGH ST (47.9m)     | FROM: Crn Of Gordon St TO: House No 216                | COFFS HARBOUR   | m2              | 600              |                        |        |
| 236821   | PARK AVE (64.9m)    | FROM: House No 29 TO: House No 33                      | COFFS HARBOUR   | m2              | 750              |                        |        |
| 237027   | GORDON ST (51.8m)   | FROM: Park Avenue TO: To Lane Way Near Car Yard        | COFFS HARBOUR   | m2              | 450              |                        |        |
| 237066   | GORDON ST (34.7m)   | FROM: House No 30 TO: House No 30                      | COFFS HARBOUR   | m2              | 75               |                        |        |
| 236946   | GORDON ST (202.6m)  | FROM: Coff St TO: Vernon St Western Side               | COFFS HARBOUR   | m2              | 3,000            |                        |        |
| 236946   | GORDON ST (202.6m)  | FROM: Coff St TO: Vernon St Western Side               | COFFS HARBOUR   | m2              | 750              | 100,000                | year 2 |
| 236988   | CASTLE ST (28.4m)   | FROM: Start Vernon St TO: 28m Up Castle St             | COFFS HARBOUR   | m2              | 300              |                        |        |
| 237439   | VERNON ST (46.3m)   | FROM: Crn Of Castle St TO: RSL Car Park Heading West   | COFFS HARBOUR   | m2              | 750              |                        |        |
| 237439   | VERNON ST (46.3m)   | FROM: Crn Of Castle St TO: RSL Car Park Heading West   | COFFS HARBOUR   | m2              | 600              |                        |        |
| 236984   | VERNON ST (50.7m)   | FROM: Crn Of Riding Lane TO: Crn Of Gordon St          | COFFS HARBOUR   | m2              | 450              |                        |        |
| 236984   | VERNON ST (50.7m)   | FROM: Crn Of Riding Lane TO: Crn Of Gordon St          | COFFS HARBOUR   | m2              | 1,800            |                        |        |
| 236943   | LITTLE ST (89.4m)   | FROM: Crn Of Market St TO: Crn Of Dalley St            | COFFS HARBOUR   | m2              | 1,200            |                        |        |
| 237421   | GORDON ST (108.7m)  | FROM: Park Avenue Western Side TO: Albany St           | COFFS HARBOUR   | m2              | 900              |                        |        |
| 237421   | GORDON ST (108.7m)  | FROM: Park Avenue Western Side TO: Albany St           | COFFS HARBOUR   | m2              | 750              |                        |        |
| 237421   | GORDON ST (108.7m)  | FROM: Park Avenue Western Side TO: Albany St           | COFFS HARBOUR   | m2              | 300              |                        |        |
| 236323   | SECOND AVE (45.9m)  | FROM: Crn Of First Ave South Side TO: Head East Toward | SAWTELL         | m2              | 600              |                        |        |
| 236461   | NANA ST (249.6m)    | FROM: Crn Of Church St TO: Crn Of Grafton St           | NANA GLEN       | m               | 150              |                        |        |
| 236461   | NANA ST (249.6m)    | FROM: Crn Of Church St TO: Crn Of Grafton St           | NANA GLEN       | m2              | 300              |                        |        |
| 237552   | DORRIGO ST (89m)    | FROM: House No 63 Dorrigo St TO: Short St              | CORAMBA         | m2              | 300              |                        |        |
| 236967   | GALE ST (23.7m)     | FROM: House No 13 TO: House No 17                      | CORAMBA         | m               | 150              |                        |        |
| 236966   | GALE ST (104.3m)    | FROM: House No 17 TO: House No 31                      | CORAMBA         | m2              | 1,500            |                        |        |
| 236964   | GALE ST (51.3m)     | FROM: House No 37 TO: House No 45                      | CORAMBA         | m2              | 150              |                        |        |
| 236969   | GALE ST (48.7m)     | FROM: House No 2 Duncan Bridge Rd TO: House No 1 Ga    | CORAMBA         | m               | 150              |                        |        |
| 237547   | CORAMBA RD (96.4m)  | FROM: The Church TO: Martin St                         | CORAMBA         | m2              | 600              |                        |        |
| 236904   | BEACH ST (137.2m)   | FROM: Start 12mtrs in wharf st TO: End At Caravan Park | WOOLGOOLGA      | m2              | 300              |                        |        |

## Appendix 2

|                                    |   |               |       |       |
|------------------------------------|---|---------------|-------|-------|
| 236904 BEACH ST (137.2m)           | FROM: Start 12mtrs in wharf st TO: End At Caravan Park  | WOOLGOOLGA    | m2    | 300   |
| 237360 BEACH ST (126.2m)           | FROM: No 25 Beach St TO: End Boundary St                | WOOLGOOLGA    | m     | 150   |
| 236811 BEACH ST (70.1m)            | FROM: Start At No 42 TO: Finishes at 44 At corner block | WOOLGOOLGA    | m2    | 1,500 |
| 236811 BEACH ST (70.1m)            | FROM: Start At No 42 TO: Finishes at 44 At corner block | WOOLGOOLGA    | m2    | 300   |
| 236811 BEACH ST (70.1m)            | FROM: Start At No 42 TO: Finishes at 44 At corner block | WOOLGOOLGA    | m2    | 450   |
| 236824 RIVER ST (53.9m)            | FROM: House No 58 TO: House No 60                       | WOOLGOOLGA    | m2    | 300   |
| 237419 RIVER ST (335.8m)           | FROM: House No 15 TO: House No 61                       | WOOLGOOLGA    | m2    | 750   |
| 237419 RIVER ST (335.8m)           | FROM: House No 15 TO: House No 61                       | WOOLGOOLGA    | m2    | 750   |
| 236809 BEACH ST (171.6m)           | FROM: Scarborough St TO: Short St                       | WOOLGOOLGA    | hours | 150   |
| 237101 PACIFIC HWY (167.7m)        | FROM: Crn Of James Small Dr Head South TO: Toward Br    | KORORA        | m2    | 7,500 |
| 236870 ROBIN ST (190.7m)           | FROM: House No 33 West High St TO: 11 Mtrs Past House   | COFFS HARBOUR | m2    | 600   |
| 237458 ROBIN ST (82.8m)            | FROM: School Gate Head South TO: 11 Mtrs Short Of Ho    | COFFS HARBOUR | m2    | 3,750 |
| 237458 ROBIN ST (82.8m)            | FROM: School Gate Head South TO: 11 Mtrs Short Of Ho    | COFFS HARBOUR | m2    | 150   |
| 237458 ROBIN ST (82.8m)            | FROM: School Gate Head South TO: 11 Mtrs Short Of Ho    | COFFS HARBOUR | m2    | 150   |
| 237458 ROBIN ST (82.8m)            | FROM: School Gate Head South TO: 11 Mtrs Short Of Ho    | COFFS HARBOUR | m2    | 300   |
| 237457 ROBIN ST (28.8m)            | FROM: School Gate Head North TO: Toward Bridge Opp      | COFFS HARBOUR | m2    | 1,200 |
| 236822 BRAY ST (150.8m)            | FROM: Joyce St TO: To School Bus Shelter                | COFFS HARBOUR | m2    | 1,200 |
| 237528 JOYCE ST (111.7m)           | FROM: Crn Of West Argyll St TO: House No 18             | COFFS HARBOUR | m2    | 300   |
| 237342 JOYCE ST (103.6m)           | FROM: Crn Of West Argyll St TO: Crn Of Jackson Place    | COFFS HARBOUR | m2    | 900   |
| 236859 JOYCE ST (324.5m)           | FROM: Crn Of Jackson Place TO: 7 Mtrs Short Of Bray St  | COFFS HARBOUR | m2    | 300   |
| 236859 JOYCE ST (324.5m)           | FROM: Crn Of Jackson Place TO: 7 Mtrs Short Of Bray St  | COFFS HARBOUR | m2    | 450   |
| 236900 MACKAYS RD (76.7m)          | FROM: From Hospital Head North TO: Ends At Drive Way    | COFFS HARBOUR | m2    | 750   |
| 236900 MACKAYS RD (76.7m)          | FROM: From Hospital Head North TO: Ends At Drive Way    | COFFS HARBOUR | m2    | 1,200 |
| 236900 MACKAYS RD (76.7m)          | FROM: From Hospital Head North TO: Ends At Drive Way    | COFFS HARBOUR | m2    | 150   |
| 236920 BRAY ST (370.4m)            | FROM: Hooson St TO: To Apollo Dr                        | COFFS HARBOUR | m2    | 600   |
| 236920 BRAY ST (370.4m)            | FROM: Hooson St TO: To Apollo Dr                        | COFFS HARBOUR | m2    | 600   |
| 236920 BRAY ST (370.4m)            | FROM: Hooson St TO: To Apollo Dr                        | COFFS HARBOUR | m2    | 600   |
| 236920 BRAY ST (370.4m)            | FROM: Hooson St TO: To Apollo Dr                        | COFFS HARBOUR | m2    | 600   |
| 236589 HARBOUR DR (95.3m)          | FROM: Edinburgh St TO: Start Of Post Office             | COFFS HARBOUR | m2    | 450   |
| 236582 SALAMENDER ST (22m)         | FROM: House No 3 TO: House No 5                         | COFFS HARBOUR | m2    | 300   |
| 236703 SALAMANDER ST (184m)        | FROM: Crn Of Harbour Dr TO: North Of House No 5         | COFFS HARBOUR | m2    | 300   |
| 236703 SALAMANDER ST (184m)        | FROM: Crn Of Harbour Dr TO: North Of House No 5         | COFFS HARBOUR | m2    | 900   |
| 380416 HOGBIN DRIVE (415.2m)       | FROM: Crn Of Harbour Dr TO: TAFE Front Gates            | COFFS HARBOUR | m2    | 750   |
| 236579 GLENREAGH ST (202.7m)       | FROM: Crn Of Harbour Dr TO: TAFE Front Gates            | COFFS HARBOUR | m2    | 600   |
| 236883 ALBANY ST (96.5m)           | FROM: Bellingen rd TO: Nimbin pl                        | COFFS HARBOUR | m2    | 150   |
| 236758 ALBANY ST (278.2m)          | FROM: Gordon Street TO: 25m East of Nimbin Pl           | COFFS HARBOUR | m2    | 150   |
| 237016 HIGH ST (41m)               | FROM: Crn Of Gordon St TO: House No 183                 | COFFS HARBOUR | m2    | 1,200 |
| 237072 HIGH ST (167.3m)            | FROM: House No 183 TO: Crn Of Earl St                   | COFFS HARBOUR | m2    | 300   |
| 237072 HIGH ST (167.3m)            | FROM: House No 183 TO: Crn Of Earl St                   | COFFS HARBOUR | m2    | 300   |
| 237018 HIGH ST (35.3m)             | FROM: House No 218 TO: House No 218                     | COFFS HARBOUR | m2    | 300   |
| 237018 HIGH ST (35.3m)             | FROM: House No 218 TO: House No 218                     | COFFS HARBOUR | m2    | 300   |
| 236877 GORDON ST-PATHWAYS (145.7m) | FROM: Crn Of Albany St Park TO: Gordon St Park          | COFFS HARBOUR | m2    | 900   |
| 236946 GORDON ST (202.6m)          | FROM: Coff St TO: Vernon St Western Side                | COFFS HARBOUR | m2    | 750   |
| 236946 GORDON ST (202.6m)          | FROM: Coff St TO: Vernon St Western Side                | COFFS HARBOUR | m2    | 600   |
| 236946 GORDON ST (202.6m)          | FROM: Coff St TO: Vernon St Western Side                | COFFS HARBOUR | m2    | 750   |
| 237063 CASTLE ST (188.1m)          | FROM: Vernon St Carpark Side TO: 17 Mtrs Short of Coff  | COFFS HARBOUR | m2    | 1,200 |
| 237063 CASTLE ST (188.1m)          | FROM: Vernon St Carpark Side TO: 17 Mtrs Short of Coff  | COFFS HARBOUR | m2    | 600   |
| 237063 CASTLE ST (188.1m)          | FROM: Vernon St Carpark Side TO: 17 Mtrs Short of Coff  | COFFS HARBOUR | m2    | 600   |
| 236990 CASTLE ST (95.7m)           | FROM: Start Coff St RSL Side TO: 96Mtrs Up Castle St    | COFFS HARBOUR | m2    | 1,200 |
| 237079 GRAFTON ST (150.7m)         | FROM: Coff St TO: 20 Mtrs Short of Vernon St            | COFFS HARBOUR | m2    | 300   |
| 237079 GRAFTON ST (150.7m)         | FROM: Coff St TO: 20 Mtrs Short of Vernon St            | COFFS HARBOUR | m2    | 300   |
| 237439 VERNON ST (46.3m)           | FROM: Crn Of Castle St TO: RSL Car Park Heading West    | COFFS HARBOUR | m2    | 600   |
| 236986 VERNON ST (119.3m)          | FROM: Crn Of HWY TO: Southern Side Of Road 15Mtrs Pa    | COFFS HARBOUR | m2    | 750   |
| 237047 VERNON ST (94.3m)           | FROM: Crn Of HWY Northern Side TO: Down Towards Par     | COFFS HARBOUR | m2    | 900   |
| 236943 LITTLE ST (89.4m)           | FROM: Crn Of Market St TO: Crn Of Dalley St             | COFFS HARBOUR | m2    | 300   |
| 237421 GORDON ST (108.7m)          | FROM: Park Avenue Western Side TO: Albany St            | COFFS HARBOUR | m2    | 150   |
| 237034 LITTLE ST (72.6m)           | FROM: From Lane Way TO: Up Lane Way To Car Park Sta     | COFFS HARBOUR | m     | 300   |
| 237029 PARK AVE (43.9m)            | FROM: Crn Of Gordon St TO: House No 24 Western Side     | COFFS HARBOUR | m2    | 150   |
| 237421 GORDON ST (108.7m)          | FROM: Park Avenue Western Side TO: Albany St            | COFFS HARBOUR | m2    | 150   |
| 236404 CAVANBA RD (622.1m)         | FROM: Jeffress Pl TO: To Armstrong Rd                   | TOORMINA      | m2    | 300   |
| 236404 CAVANBA RD (622.1m)         | FROM: Jeffress Pl TO: To Armstrong Rd                   | TOORMINA      | m2    | 300   |
| 236405 CAVANBA RD (57.9m)          | FROM: End of Bus Bay TO: Toormina High School Gate      | TOORMINA      | m2    | 600   |
| 236909 FIRST AVE (347m)            | FROM: Second Ave TO: Third Ave                          | SAWTELL       | m2    | 300   |
| 236910 FIRST AVE (392m)            | FROM: Second Ave TO: Eleventh Ave                       | SAWTELL       | m2    | 150   |
| 236935 FIRST AVE (198.5m)          | FROM: Second Ave TO: Boronia St Western side            | SAWTELL       | m2    | 450   |
| 236911 SECOND AVE (57.3m)          | FROM: Crn Of First Ave TO: To Kidd Lane                 | SAWTELL       | m2    | 1,500 |
| 236323 SECOND AVE (45.9m)          | FROM: Crn Of First Ave South Side TO: Head East Toward  | SAWTELL       | m2    | 150   |
| 236322 FIRST AVE (203.6m)          | FROM: Boronia St TO: Second Ave Eastern Side            | SAWTELL       | m2    | 750   |
| 236322 FIRST AVE (203.6m)          | FROM: Boronia St TO: Second Ave Eastern Side            | SAWTELL       | m2    | 1,500 |
| 236322 FIRST AVE (203.6m)          | FROM: Boronia St TO: Second Ave Eastern Side            | SAWTELL       | m2    | 1,500 |
| 236323 SECOND AVE (45.9m)          | FROM: Crn Of First Ave South Side TO: Head East Toward  | SAWTELL       | m2    | 300   |
| 236927 SECOND AVE (28.6m)          | FROM: Crn Of Fourth Ave TO: RSL Car Park Driveway       | SAWTELL       | m2    | 900   |
| 236771 HOGBIN DR (1593.2m)         | FROM: Crn Of Airport Dr TO: Crn Of Doug Knight Dr       | COFFS HARBOUR | m2    | 1,200 |
| 236772 HOGBIN DR (1483.3m)         | FROM: Crn Of Doug Knight Dr TO: To Start Of Bridge Saw  | COFFS HARBOUR | m2    | 600   |

## Appendix 2

|                                     |   |                   |       |       |
|-------------------------------------|---|-------------------|-------|-------|
| 236772 HOGBIN DR (1483.3m)          | FROM: Crn Of Doug Knight Dr TO: To Start Of Bridge Saw  | COFFS HARBOUR     | m2    | 600   |
| 236429 HOGBIN DR (711m)             | FROM: Crn Of Rex Hardarce Lane TO: Head North Towarc    | TOORMINA          | m2    | 300   |
| 236429 HOGBIN DR (711m)             | FROM: Crn Of Rex Hardarce Lane TO: Head North Towarc    | TOORMINA          | m2    | 300   |
| 236429 HOGBIN DR (711m)             | FROM: Crn Of Rex Hardarce Lane TO: Head North Towarc    | TOORMINA          | m2    | 600   |
| 236429 HOGBIN DR (711m)             | FROM: Crn Of Rex Hardarce Lane TO: Head North Towarc    | TOORMINA          | m2    | 600   |
| 236707 BEACH ST (114.7m)            | FROM: Carrington St TO: Queen St Beach side             | WOOLGOOLGA        | m2    | 300   |
| 236707 BEACH ST (114.7m)            | FROM: Carrington St TO: Queen St Beach side             | WOOLGOOLGA        | m     | 150   |
| 237418 BEACH ST (48.3m)             | FROM: East side of Caravan park TO: 48 Mtrs into park   | WOOLGOOLGA        | m2    | 300   |
| 236810 BEACH ST (54.7m)             | FROM: Starts House No 17 TO: Ends House No 25           | WOOLGOOLGA        | m2    | 300   |
| 236811 BEACH ST (70.1m)             | FROM: Start At No 42 TO: Finishes at 44 At corner block | WOOLGOOLGA        | m2    | 300   |
| 236712 NIGHTINGALE ST (116.1m)      | FROM: Crn Of Trafalgar St TO: House No 6                | WOOLGOOLGA        | m2    | 300   |
| 337093 COWRIE CLOSE (112.8m)        |   | CORINDI BEACH     | m2    | 900   |
| 236714 SCARBOROUGH ST (254.4m)      | FROM: Crn Of Beach St Eastern Side TO: Crn Of Hastings  | WOOLGOOLGA        | m2    | 600   |
| 237278 SAYE CL (99.3m)              | FROM: School Main Gate TO: Head North Down The Hill     | SANDY BEACH       | m2    | 300   |
| 237278 SAYE CL (99.3m)              | FROM: School Main Gate TO: Head North Down The Hill     | SANDY BEACH       | m2    | 900   |
| 236831 DIAMOND HEAD DR (210.2m)     | FROM: Coral Dr TO: Mahogany Ave                         | SANDY BEACH       | m2    | 150   |
| 236831 DIAMOND HEAD DR (210.2m)     | FROM: Coral Dr TO: Mahogany Ave                         | SANDY BEACH       | m2    | 150   |
| 237270 MOONEE BEACH RD (147.1m)     | FROM: House No 4 TO: Driveway At No 2 (Pub )            | MOONEE BEACH      | m2    | 300   |
| 237270 MOONEE BEACH RD (147.1m)     | FROM: House No 4 TO: Driveway At No 2 (Pub )            | MOONEE BEACH      | m2    | 600   |
| 237268 MOONEE BEACH RD (95.7m)      | FROM: Crn Of Moonee Beach Rd TO: To Shopping Centre     | MOONEE BEACH      | m2    | 150   |
| 236548 PINE BRUSH CRES (28.5m)      | FROM: Next To House No 5 TO: Into The Res               | KORORA            | m2    | 150   |
| 237101 PACIFC HWY (167.7m)          | FROM: Crn Of James Small Dr Head South TO: Toward Br    | KORORA            | hours | 150   |
| 236731 WOOLGOOLGA RD (240.3m)       | FROM: Crn Of Bray St TO: Crn Of Argyll St               | COFFS HARBOUR     | m2    | 300   |
| 337134 PACIFC HWY (29.1m)           |   | NORTH BOAMBEE VAL | m2    | 900   |
| 236643 MT PLEASANT RD (58.6m)       | FROM: Crn Of Patmos Dr TO: House No 16                  | NORTH BOAMBEE VAL | m2    | 300   |
| 236781 PACIFIC HWY (150.1m)         | FROM: Crn Of Halls Rd TO: House No 168 (Big Windmill)   | NORTH BOAMBEE VAL | m2    | 1,350 |
| 236441 COMBINE ST (127.6m)          | FROM: Elizabeth St TO: to Hill St                       | COFFS HARBOUR     | m2    | 150   |
| 236801 ADELINES WAY (85.5m)         | FROM: Wrong Address TO:                                 | COFFS HARBOUR     | m2    | 150   |
| 236857 WILLS ST/ORIANA ST (121.8m)  | FROM: House No 23 Wills St TO: House No 24 Oriana St    | COFFS HARBOUR     | m2    | 300   |
| 236860 BERYL ST/JACK LADD S (87.7m) | FROM: Beryl St At House No 116 TO: Outside No 25 Jackl  | COFFS HARBOUR     | m2    | 300   |
| 236858 JEAN ST (64.7m)              | FROM: House No 11 TO: House No 23                       | COFFS HARBOUR     | m2    | 150   |
| 236868 CORAMBA RD (249.9m)          | FROM: Robin St TO: Hosue No 34                          | COFFS HARBOUR     | m2    | 150   |
| 236866 CORAMBA RD (298.4m)          | FROM: House No 42 TO: Lane Way 100 East Of Shephard     | COFFS HARBOUR     | m2    | 150   |
| 237458 ROBIN ST (82.8m)             | FROM: School Gate Head South TO: 11 Mtrs Short Of Ho    | COFFS HARBOUR     | m2    | 600   |
| 237458 ROBIN ST (82.8m)             | FROM: School Gate Head South TO: 11 Mtrs Short Of Ho    | COFFS HARBOUR     | m2    | 1,200 |
| 237458 ROBIN ST (82.8m)             | FROM: School Gate Head South TO: 11 Mtrs Short Of Ho    | COFFS HARBOUR     | m2    | 600   |
| 236822 BRAY ST (150.8m)             | FROM: Joyce St TO: To School Bus Shelter                | COFFS HARBOUR     | m2    | 900   |
| 236822 BRAY ST (150.8m)             | FROM: Joyce St TO: To School Bus Shelter                | COFFS HARBOUR     | m2    | 1,050 |
| 237528 JOYCE ST (111.7m)            | FROM: Crn Of West Argyll St TO: House No 18             | COFFS HARBOUR     | m     | 150   |
| 237342 JOYCE ST (103.6m)            | FROM: Crn Of West Argyll St TO: Crn Of Jackson Place    | COFFS HARBOUR     | m2    | 750   |
| 236859 JOYCE ST (324.5m)            | FROM: Crn Of Jackson Place TO: 7 Mtrs Short Of Bray St  | COFFS HARBOUR     | m2    | 300   |
| 236626 JOYCE ST (173.2m)            | FROM: Crn Of Greenlea Cr North TO: 7 Mtrs Short Of Bray | COFFS HARBOUR     | m2    | 900   |
| 236920 BRAY ST (370.4m)             | FROM: Hooson St TO: To Apollo Dr                        | COFFS HARBOUR     | m2    | 300   |
| 236920 BRAY ST (370.4m)             | FROM: Hooson St TO: To Apollo Dr                        | COFFS HARBOUR     | m2    | 600   |
| 236920 BRAY ST (370.4m)             | FROM: Hooson St TO: To Apollo Dr                        | COFFS HARBOUR     | m2    | 300   |
| 237138 COFFS CK WALKWAY (61.2m)     |   | COFFS HARBOUR     | m2    | 750   |
| 237224 JORDAN ESP (563.1m)          | FROM: 20Mtrs South Of Sun Dial TO: Boat Ramp Car Park   | COFFS HARBOUR     | m2    | 750   |
| 236561 PACIFIC HWY (565.5m)         | FROM: Crn Of Macauley Headland Dr TO: Head South Tov    | COFFS HARBOUR     | m2    | 750   |
| 237461 PACIFC HWY (184.1m)          | FROM: Crn Of Orlando St TO: Crn Of Park Beach Rd        | COFFS HARBOUR     | m2    | 6,000 |
| 236999 GRAFTON ST (149.3m)          | FROM: Opp Beryl St North Facing TO: Towards Showgrou    | COFFS HARBOUR     | m2    | 300   |
| 236747 OCEAN PDE (173.6m)           | FROM: From Train Bridge North TO: Till Corner In Road   | COFFS HARBOUR     | m2    | 300   |
| 237366 HOOD ST (79.7m)              | FROM: House No 357 TO: Down To Harbour Dr Crossing      | COFFS HARBOUR     | m2    | 2,250 |
| 237366 HOOD ST (79.7m)              | FROM: House No 357 TO: Down To Harbour Dr Crossing      | COFFS HARBOUR     | m2    | 600   |
| 237222 CAMPERDOWN ST (42.1m)        | FROM: Hosue No 10 TO: House No 8                        | COFFS HARBOUR     | m2    | 150   |
| 236748 HARBOUR DR (132m)            | FROM: Crn Of Curacao St TO: North St                    | COFFS HARBOUR     | m2    | 450   |
| 236579 GLENREAGH ST (202.7m)        | FROM: Crn Of Harbour Dr TO: TAFE Front Gates            | COFFS HARBOUR     | m2    | 900   |
| 236581 HARBOUR DR (104.6m)          | FROM: House No 219 TO: Hardarce St                      | COFFS HARBOUR     | m2    | 450   |
| 236581 HARBOUR DR (104.6m)          | FROM: House No 219 TO: Hardarce St                      | COFFS HARBOUR     | m2    | 450   |
| 236760 GORDON ST (114.8m)           | FROM: Bonville St TO: Albany st                         | COFFS HARBOUR     | m2    | 150   |
| 236758 ALBANY ST (278.2m)           | FROM: Gordon Street TO: 25m East of Nimbin Pl           | COFFS HARBOUR     | m2    | 300   |
| 237314 EARL ST (52m)                | FROM: Park Avenue TO: South To Preschool                | COFFS HARBOUR     | m     | 150   |
| 236971 COFF ST (25.8m)              | FROM: From 27/29 Coff Street TO: To Duke St             | COFFS HARBOUR     | m2    | 750   |
| 237007 PACIFC HWY (133.8m)          | FROM: Crn Of Park Ave TO: Crn Of Little St              | COFFS HARBOUR     | m2    | 150   |
| 236343 ANDERSON ST (224.7m)         | FROM: Hobbs Cr South side TO: To Hobbs Cr South side    | TOORMINA          | m2    | 150   |
| 236338 HOBBS CR (277.3m)            | FROM: Crn Of Courtney Close TO: Crn Of Hamey Close      | TOORMINA          | m2    | 150   |
| 236384 WHIPBIRD PL (76.9m)          | FROM: Next To House No 5 TO: House No 39 Wedgetail C    | BOAMBEE EAST      | m2    | 900   |
| 236382 WEDGETAIL CRES (43.5m)       | FROM: Next To House No 13 TO: Into The Res              | BOAMBEE EAST      | m2    | 7,500 |
| 236353 LOWERY ST (198.4m)           | FROM: House No 2 TO: Toormina Rd                        | TOORMINA          | m2    | 150   |
| 236405 CAVANBA RD (57.9m)           | FROM: End of Bus Bay TO: Toormina High School Gate      | TOORMINA          | m2    | 1,500 |
| 236406 CAVANBA RD (114.7m)          | FROM: Toormina High School Gate TO: HN 2 Alleena Driv   | TOORMINA          | m2    | 600   |
| 236406 CAVANBA RD (114.7m)          | FROM: Toormina High School Gate TO: HN 2 Alleena Driv   | TOORMINA          | m2    | 600   |
| 237397 TOORMINA RD (336.4m)         | FROM: Crn Of Mirroola Crs TO: 15 Mtrs South Of House N  | TOORMINA          | m2    | 150   |
| 237180 DEWS AVE (12.5m)             |   | TOORMINA          | m2    | 225   |
| 237398 TOORMINA RD (836.1m)         | FROM: Crn Of Linden Ave TO: 15Mtrs South Of House No    | TOORMINA          | m2    | 150   |

150,000 year 3

## Appendix 2

|                              |  |        |        |
|------------------------------|--|--------|--------|
| 236327 TOORMINA RD (202.4m)  | FROM: Crossing Outside School Head North TO: Up To Pri TOORMINA      | metres | 150    |
| 236327 TOORMINA RD (202.4m)  | FROM: Crossing Outside School Head North TO: Up To Pri TOORMINA      | m2     | 180    |
| 236328 TOORMINA RD (318.2m)  | FROM: Crossing Outside School Head North TO: To Playfo TOORMINA      | metres | 150    |
| 236365 WALSH CL (41.8m)      | FROM: Next To House No 7 TO: Into the Res TOORMINA                   | m2     | 150    |
| 236358 LYONS RD (435.7m)     | FROM: Crn Of Mcfadyn St TO: School Front Gate TOORMINA               | metres | 150    |
| 236358 LYONS RD (435.7m)     | FROM: Crn Of Mcfadyn St TO: School Front Gate TOORMINA               | m2     | 225    |
| 236358 LYONS RD (435.7m)     | FROM: Crn Of Mcfadyn St TO: School Front Gate TOORMINA               | m2     | 450    |
| 236355 BANGALOW TCE (92.4m)  | FROM: Beside No 9 Bangalow Tce TO: Lyons rd SAWTELL                  | m2     | 150    |
| 236910 FIRST AVE (392m)      | FROM: Second Ave TO: Eleventh Ave SAWTELL                            | metres | 150    |
| 337107 GRAFTON ST L (480.5m) | NANA GLEN  | m2     | 300    |
| 236521 PACIFC HWY (206.7m)   | FROM: Crn Of Deans Rd TO: To Bridge Western Side BOAMBEE             | item   | 150    |
| 236517 PACIFC HWY (136.6m)   | FROM: Lindsay Rd Southern end Near Servo TO: To Bridg BOAMBEE        | item   | 750    |
| 236514 PACIFC HWY (336.3m)   | FROM: 290Mtrs South Of Bruce King Dr TO: 20Mtrs Past EBOAMBEE EAST   | item   | 150    |
| 236514 PACIFC HWY (336.3m)   | FROM: 290Mtrs South Of Bruce King Dr TO: 20Mtrs Past EBOAMBEE EAST   | m2     | 3,750  |
| 236514 PACIFC HWY (336.3m)   | FROM: 290Mtrs South Of Bruce King Dr TO: 20Mtrs Past EBOAMBEE EAST   | m2     | 300    |
| 236515 PACIFC HWY (970.9m)   | FROM: Crn Of Lyons Rd Head North TO: 20Mtrs Short Of BOAMBEE         | item   | 150    |
| 236515 PACIFC HWY (970.9m)   | FROM: Crn Of Lyons Rd Head North TO: 20Mtrs Short Of BOAMBEE         | m2     | 7,500  |
| 236515 PACIFC HWY (970.9m)   | FROM: Crn Of Lyons Rd Head North TO: 20Mtrs Short Of BOAMBEE         | m2     | 3,750  |
| 236515 PACIFC HWY (970.9m)   | FROM: Crn Of Lyons Rd Head North TO: 20Mtrs Short Of BOAMBEE         | item   | 150    |
| 236515 PACIFC HWY (970.9m)   | FROM: Crn Of Lyons Rd Head North TO: 20Mtrs Short Of BOAMBEE         | item   | 150    |
| 236515 PACIFC HWY (970.9m)   | FROM: Crn Of Lyons Rd Head North TO: 20Mtrs Short Of BOAMBEE         | m2     | 1,500  |
| 236515 PACIFC HWY (970.9m)   | FROM: Crn Of Lyons Rd Head North TO: 20Mtrs Short Of BOAMBEE         | m2     | 7,500  |
| 236515 PACIFC HWY (970.9m)   | FROM: Crn Of Lyons Rd Head North TO: 20Mtrs Short Of BOAMBEE         | m2     | 150    |
| 236515 PACIFC HWY (970.9m)   | FROM: Crn Of Lyons Rd Head North TO: 20Mtrs Short Of BOAMBEE         | m2     | 150    |
| 236515 PACIFC HWY (970.9m)   | FROM: Crn Of Lyons Rd Head North TO: 20Mtrs Short Of BOAMBEE         | m2     | 150    |
| 236515 PACIFC HWY (970.9m)   | FROM: Crn Of Lyons Rd Head North TO: 20Mtrs Short Of BOAMBEE         | m2     | 150    |
| 236515 PACIFC HWY (970.9m)   | FROM: Crn Of Lyons Rd Head North TO: 20Mtrs Short Of BOAMBEE         | m2     | 150    |
| 236515 PACIFC HWY (970.9m)   | FROM: Crn Of Lyons Rd Head North TO: 20Mtrs Short Of BOAMBEE         | m2     | 150    |
| 236515 PACIFC HWY (970.9m)   | FROM: Crn Of Lyons Rd Head North TO: 20Mtrs Short Of BOAMBEE         | m2     | 150    |
| 236509 PACIFC HWY (427.7m)   | FROM: Sporting Fields Entrance South TO: Down Sawtell BOAMBEE        | m2     | 1,500  |
| 236509 PACIFC HWY (427.7m)   | FROM: Sporting Fields Entrance South TO: Down Sawtell BOAMBEE        | item   | 150    |
| 236509 PACIFC HWY (427.7m)   | FROM: Sporting Fields Entrance South TO: Down Sawtell BOAMBEE        | m2     | 750    |
| 236509 PACIFC HWY (427.7m)   | FROM: Sporting Fields Entrance South TO: Down Sawtell BOAMBEE        | m2     | 150    |
| 236509 PACIFC HWY (427.7m)   | FROM: Sporting Fields Entrance South TO: Down Sawtell BOAMBEE        | m2     | 2,250  |
| 236509 PACIFC HWY (427.7m)   | FROM: Sporting Fields Entrance South TO: Down Sawtell BOAMBEE        | m2     | 3,750  |
| 236509 PACIFC HWY (427.7m)   | FROM: Sporting Fields Entrance South TO: Down Sawtell BOAMBEE        | m2     | 300    |
| 236508 PACIFC HWY (1482.5m)  | FROM: Crn Of Stadium Dr South TO: Sporting Fields Entr COFFS HARBOUR | m2     | 3,750  |
| 236508 PACIFC HWY (1482.5m)  | FROM: Crn Of Stadium Dr South TO: Sporting Fields Entr COFFS HARBOUR | m2     | 3,750  |
| 236508 PACIFC HWY (1482.5m)  | FROM: Crn Of Stadium Dr South TO: Sporting Fields Entr COFFS HARBOUR | m2     | 3,750  |
| 236508 PACIFC HWY (1482.5m)  | FROM: Crn Of Stadium Dr South TO: Sporting Fields Entr COFFS HARBOUR | m2     | 7,500  |
| 236508 PACIFC HWY (1482.5m)  | FROM: Crn Of Stadium Dr South TO: Sporting Fields Entr COFFS HARBOUR | m2     | 15,000 |
| 236508 PACIFC HWY (1482.5m)  | FROM: Crn Of Stadium Dr South TO: Sporting Fields Entr COFFS HARBOUR | m2     | 7,500  |
| 236508 PACIFC HWY (1482.5m)  | FROM: Crn Of Stadium Dr South TO: Sporting Fields Entr COFFS HARBOUR | item   | 300    |
| 236508 PACIFC HWY (1482.5m)  | FROM: Crn Of Stadium Dr South TO: Sporting Fields Entr COFFS HARBOUR | m2     | 150    |
| 236508 PACIFC HWY (1482.5m)  | FROM: Crn Of Stadium Dr South TO: Sporting Fields Entr COFFS HARBOUR | item   | 150    |
| 236508 PACIFC HWY (1482.5m)  | FROM: Crn Of Stadium Dr South TO: Sporting Fields Entr COFFS HARBOUR | item   | 300    |
| 236508 PACIFC HWY (1482.5m)  | FROM: Crn Of Stadium Dr South TO: Sporting Fields Entr COFFS HARBOUR | item   | 300    |
| 236508 PACIFC HWY (1482.5m)  | FROM: Crn Of Stadium Dr South TO: Sporting Fields Entr COFFS HARBOUR | item   | 150    |
| 236508 PACIFC HWY (1482.5m)  | FROM: Crn Of Stadium Dr South TO: Sporting Fields Entr COFFS HARBOUR | m2     | 300    |
| 236508 PACIFC HWY (1482.5m)  | FROM: Crn Of Stadium Dr South TO: Sporting Fields Entr COFFS HARBOUR | m2     | 600    |
| 236508 PACIFC HWY (1482.5m)  | FROM: Crn Of Stadium Dr South TO: Sporting Fields Entr COFFS HARBOUR | m2     | 300    |
| 236769 HOGBIN DR (360.2m)    | FROM: Crn Of Christmas Bell Rd TO: Crn Of Howard St COFFS HARBOUR    | m2     | 600    |
| 236769 HOGBIN DR (360.2m)    | FROM: Crn Of Christmas Bell Rd TO: Crn Of Howard St COFFS HARBOUR    | m2     | 600    |
| 236769 HOGBIN DR (360.2m)    | FROM: Crn Of Christmas Bell Rd TO: Crn Of Howard St COFFS HARBOUR    | m2     | 450    |
| 236770 HOGBIN DR (1337m)     | FROM: Crn Of Christmas Bell Rd TO: Crn Of Airport Dr COFFS HARBOUR   | m2     | 150    |
| 236770 HOGBIN DR (1337m)     | FROM: Crn Of Christmas Bell Rd TO: Crn Of Airport Dr COFFS HARBOUR   | m2     | 300    |
| 236770 HOGBIN DR (1337m)     | FROM: Crn Of Christmas Bell Rd TO: Crn Of Airport Dr COFFS HARBOUR   | m2     | 2,250  |
| 236770 HOGBIN DR (1337m)     | FROM: Crn Of Christmas Bell Rd TO: Crn Of Airport Dr COFFS HARBOUR   | m2     | 600    |
| 236770 HOGBIN DR (1337m)     | FROM: Crn Of Christmas Bell Rd TO: Crn Of Airport Dr COFFS HARBOUR   | m2     | 600    |
| 236770 HOGBIN DR (1337m)     | FROM: Crn Of Christmas Bell Rd TO: Crn Of Airport Dr COFFS HARBOUR   | m2     | 600    |
| 236770 HOGBIN DR (1337m)     | FROM: Crn Of Christmas Bell Rd TO: Crn Of Airport Dr COFFS HARBOUR   | m2     | 600    |
| 236770 HOGBIN DR (1337m)     | FROM: Crn Of Christmas Bell Rd TO: Crn Of Airport Dr COFFS HARBOUR   | m2     | 600    |
| 236770 HOGBIN DR (1337m)     | FROM: Crn Of Christmas Bell Rd TO: Crn Of Airport Dr COFFS HARBOUR   | m2     | 2,250  |
| 236770 HOGBIN DR (1337m)     | FROM: Crn Of Christmas Bell Rd TO: Crn Of Airport Dr COFFS HARBOUR   | m2     | 2,250  |
| 236770 HOGBIN DR (1337m)     | FROM: Crn Of Christmas Bell Rd TO: Crn Of Airport Dr COFFS HARBOUR   | m2     | 3,750  |
| 236770 HOGBIN DR (1337m)     | FROM: Crn Of Christmas Bell Rd TO: Crn Of Airport Dr COFFS HARBOUR   | m2     | 600    |
| 236770 HOGBIN DR (1337m)     | FROM: Crn Of Christmas Bell Rd TO: Crn Of Airport Dr COFFS HARBOUR   | m2     | 600    |
| 236770 HOGBIN DR (1337m)     | FROM: Crn Of Christmas Bell Rd TO: Crn Of Airport Dr COFFS HARBOUR   | m2     | 600    |
| 236770 HOGBIN DR (1337m)     | FROM: Crn Of Christmas Bell Rd TO: Crn Of Airport Dr COFFS HARBOUR   | m2     | 600    |
| 236770 HOGBIN DR (1337m)     | FROM: Crn Of Christmas Bell Rd TO: Crn Of Airport Dr COFFS HARBOUR   | m2     | 1,200  |
| 236770 HOGBIN DR (1337m)     | FROM: Crn Of Christmas Bell Rd TO: Crn Of Airport Dr COFFS HARBOUR   | m2     | 600    |
| 236770 HOGBIN DR (1337m)     | FROM: Crn Of Christmas Bell Rd TO: Crn Of Airport Dr COFFS HARBOUR   | m2     | 1,800  |
| 236770 HOGBIN DR (1337m)     | FROM: Crn Of Christmas Bell Rd TO: Crn Of Airport Dr COFFS HARBOUR   | m2     | 600    |
| 236770 HOGBIN DR (1337m)     | FROM: Crn Of Christmas Bell Rd TO: Crn Of Airport Dr COFFS HARBOUR   | m2     | 600    |
| 236770 HOGBIN DR (1337m)     | FROM: Crn Of Christmas Bell Rd TO: Crn Of Airport Dr COFFS HARBOUR   | m2     | 600    |



## Appendix 2

|                                    |  |               |        |         |        |
|------------------------------------|--|---------------|--------|---------|--------|
| 236772 HOGBIN DR (1483.3m)         | FROM: Crn Of Doug Knight Dr TO: To Start Of Bridge Saw COFFS HARBOUR | m2            | 1,200  |         |        |
| 236772 HOGBIN DR (1483.3m)         | FROM: Crn Of Doug Knight Dr TO: To Start Of Bridge Saw COFFS HARBOUR | m2            | 1,200  |         |        |
| 236772 HOGBIN DR (1483.3m)         | FROM: Crn Of Doug Knight Dr TO: To Start Of Bridge Saw COFFS HARBOUR | m2            | 33,000 |         |        |
| 236772 HOGBIN DR (1483.3m)         | FROM: Crn Of Doug Knight Dr TO: To Start Of Bridge Saw COFFS HARBOUR | m2            | 3,000  | 150,000 | year 5 |
| 236772 HOGBIN DR (1483.3m)         | FROM: Crn Of Doug Knight Dr TO: To Start Of Bridge Saw COFFS HARBOUR | m2            | 60,000 |         |        |
| 236772 HOGBIN DR (1483.3m)         | FROM: Crn Of Doug Knight Dr TO: To Start Of Bridge Saw COFFS HARBOUR | m2            | 300    |         |        |
| 236772 HOGBIN DR (1483.3m)         | FROM: Crn Of Doug Knight Dr TO: To Start Of Bridge Saw COFFS HARBOUR | m2            | 2,250  |         |        |
| 236772 HOGBIN DR (1483.3m)         | FROM: Crn Of Doug Knight Dr TO: To Start Of Bridge Saw COFFS HARBOUR | m2            | 300    |         |        |
| 236772 HOGBIN DR (1483.3m)         | FROM: Crn Of Doug Knight Dr TO: To Start Of Bridge Saw COFFS HARBOUR | m2            | 600    |         |        |
| 236772 HOGBIN DR (1483.3m)         | FROM: Crn Of Doug Knight Dr TO: To Start Of Bridge Saw COFFS HARBOUR | m2            | 600    |         |        |
| 236429 HOGBIN DR (711m)            | FROM: Crn Of Rex Hardarce Lane TO: Head North Towarc TOORMINA        | m2            | 600    |         |        |
| 236429 HOGBIN DR (711m)            | FROM: Crn Of Rex Hardarce Lane TO: Head North Towarc TOORMINA        | m2            | 1,500  |         |        |
| 236429 HOGBIN DR (711m)            | FROM: Crn Of Rex Hardarce Lane TO: Head North Towarc TOORMINA        | m2            | 600    |         |        |
| 236429 HOGBIN DR (711m)            | FROM: Crn Of Rex Hardarce Lane TO: Head North Towarc TOORMINA        | m2            | 1,200  |         |        |
| 236429 HOGBIN DR (711m)            | FROM: Crn Of Rex Hardarce Lane TO: Head North Towarc TOORMINA        | m2            | 600    |         |        |
| 236429 HOGBIN DR (711m)            | FROM: Crn Of Rex Hardarce Lane TO: Head North Towarc TOORMINA        | m2            | 600    |         |        |
| 236429 HOGBIN DR (711m)            | FROM: Crn Of Rex Hardarce Lane TO: Head North Towarc TOORMINA        | m2            | 600    |         |        |
| 236429 HOGBIN DR (711m)            | FROM: Crn Of Rex Hardarce Lane TO: Head North Towarc TOORMINA        | m2            | 600    |         |        |
| 236429 HOGBIN DR (711m)            | FROM: Crn Of Rex Hardarce Lane TO: Head North Towarc TOORMINA        | m2            | 1,200  |         |        |
| 236429 HOGBIN DR (711m)            | FROM: Crn Of Rex Hardarce Lane TO: Head North Towarc TOORMINA        | m2            | 1,200  |         |        |
| 236429 HOGBIN DR (711m)            | FROM: Crn Of Rex Hardarce Lane TO: Head North Towarc TOORMINA        | m2            | 600    |         |        |
| 236429 HOGBIN DR (711m)            | FROM: Crn Of Rex Hardarce Lane TO: Head North Towarc TOORMINA        | m2            | 600    |         |        |
| 236429 HOGBIN DR (711m)            | FROM: Crn Of Rex Hardarce Lane TO: Head North Towarc TOORMINA        | m2            | 600    |         |        |
| 236429 HOGBIN DR (711m)            | FROM: Crn Of Rex Hardarce Lane TO: Head North Towarc TOORMINA        | m2            | 1,200  |         |        |
| 236429 HOGBIN DR (711m)            | FROM: Crn Of Rex Hardarce Lane TO: Head North Towarc TOORMINA        | m2            | 1,200  |         |        |
| 236429 HOGBIN DR (711m)            | FROM: Crn Of Rex Hardarce Lane TO: Head North Towarc TOORMINA        | m2            | 600    |         |        |
| 236429 HOGBIN DR (711m)            | FROM: Crn Of Rex Hardarce Lane TO: Head North Towarc TOORMINA        | m2            | 600    |         |        |
| 236429 HOGBIN DR (711m)            | FROM: Crn Of Rex Hardarce Lane TO: Head North Towarc TOORMINA        | m2            | 1,500  |         |        |
| 236429 HOGBIN DR (711m)            | FROM: Crn Of Rex Hardarce Lane TO: Head North Towarc TOORMINA        | m2            | 1,500  |         |        |
| 236429 HOGBIN DR (711m)            | FROM: Crn Of Rex Hardarce Lane TO: Head North Towarc TOORMINA        | m2            | 600    |         |        |
| 236429 HOGBIN DR (711m)            | FROM: Crn Of Rex Hardarce Lane TO: Head North Towarc TOORMINA        | m2            | 600    |         |        |
| 236428 HOGBIN DR (202.1m)          | FROM: Crn Of Rex Hardarce Lane TO: Head South TOORMINA               | m2            | 600    |         |        |
| 236428 HOGBIN DR (202.1m)          | FROM: Crn Of Rex Hardarce Lane TO: Head South TOORMINA               | m2            | 600    |         |        |
| 236428 HOGBIN DR (202.1m)          | FROM: Crn Of Rex Hardarce Lane TO: Head South TOORMINA               | m2            | 600    |         |        |
| 236428 HOGBIN DR (202.1m)          | FROM: Crn Of Rex Hardarce Lane TO: Head South TOORMINA               | m2            | 600    |         |        |
| 236428 HOGBIN DR (202.1m)          | FROM: Crn Of Rex Hardarce Lane TO: Head South TOORMINA               | m2            | 600    |         |        |
| 236428 HOGBIN DR (202.1m)          | FROM: Crn Of Rex Hardarce Lane TO: Head South TOORMINA               | m2            | 600    |         |        |
| 236428 HOGBIN DR (202.1m)          | FROM: Crn Of Rex Hardarce Lane TO: Head South TOORMINA               | m2            | 600    |         |        |
| 236428 HOGBIN DR (202.1m)          | FROM: Crn Of Rex Hardarce Lane TO: Head South TOORMINA               | m2            | 600    |         |        |
| 236427 HOGBIN DR (381.2m)          | FROM: Crn Of Barcoo Court TO: Start Of Football Oval TOORMINA        | m2            | 300    |         |        |
| 236427 HOGBIN DR (381.2m)          | FROM: Crn Of Barcoo Court TO: Start Of Football Oval TOORMINA        | m2            | 300    |         |        |
| 337107 GRAFTON ST L (480.5m)       |  |               |        |         |        |
| 337100 PACIFC HWY W (233.2m)       |  |               |        |         |        |
| 337101 PACIFC HWY W (253.3m)       |  |               |        |         |        |
| 337101 PACIFC HWY W (253.3m)       |  |               |        |         |        |
| 337101 PACIFC HWY W (253.3m)       |  |               |        |         |        |
| 337101 PACIFC HWY W (253.3m)       |  |               |        |         |        |
| 237495 CARRINGTON ST (449m)        | FROM: Carrington St End Grass Road TO: Through Reserv                | WOOLGOOLGA    | item   | 150     |        |
| 236713 WHARF ST (101.8m)           | FROM: House No 19 TO: House No 29                                    | WOOLGOOLGA    | m2     | 300     |        |
| 236710 MARKET ST (198.1m)          | FROM: Northern Side Of Market St TO: Corner To Corner                | WOOLGOOLGA    | m2     | 900     |        |
| 236823 BEACH ST (90.4m)            |  | WOOLGOOLGA    | m2     | 7,500   |        |
| 237393 NIGHTINGALE ST (68.5m)      | FROM: Crn Of Nelson St TO: Crn Of Waterloo St                        | WOOLGOOLGA    | m2     | 300     |        |
| 236711 NIGHTINGALE ST (130.2m)     | FROM: Crn Of Market St TO: Crn Of Trafalgar St                       | WOOLGOOLGA    | m2     | 300     |        |
| 236710 MARKET ST (198.1m)          | FROM: Northern Side Of Market St TO: Corner To Corner                | WOOLGOOLGA    | m2     | 300     |        |
| 236710 MARKET ST (198.1m)          | FROM: Northern Side Of Market St TO: Corner To Corner                | WOOLGOOLGA    | m2     | 600     |        |
| 236710 MARKET ST (198.1m)          | FROM: Northern Side Of Market St TO: Corner To Corner                | WOOLGOOLGA    | m2     | 1,500   |        |
| 236710 MARKET ST (198.1m)          | FROM: Northern Side Of Market St TO: Corner To Corner                | WOOLGOOLGA    | m2     | 150     |        |
| 380476 ADMIRALTY DRIVE (229.3m)    | ADMIRALTY DRIVE  | SAFETY BEACH  |        | 450     |        |
| 380472 ADMIRALTY DRIVE (104.5m)    | ADMIRALTY DRIVE  | SAFETY BEACH  | hours  | 300     |        |
| 337076 SALTWATER CRESCENT (81m)    |  | CORINDI BEACH | m2     | 150     |        |
| 337071 PACIFIC STREET (233m)       |  | CORINDI BEACH | m2     | 600     |        |
| 236656 JABIRU WAY (164.8m)         | FROM: House No 9 Macdougall St TO: House No 15                       | CORINDI BEACH | m2     | 300     |        |
| 236656 JABIRU WAY (164.8m)         | FROM: House No 9 Macdougall St TO: House No 15                       | CORINDI BEACH | m2     | 300     |        |
| 236654 GOLDEN PENDA DR (121.9m)    | FROM: Tasman St TO: Lomandra Crt                                     | CORINDI BEACH | m2     | 300     |        |
| 236654 GOLDEN PENDA DR (121.9m)    | FROM: Tasman St TO: Lomandra Crt                                     | CORINDI BEACH | m2     | 300     |        |
| 337083 SIMON ST (289.3m)           |  | CORINDI BEACH | m2     | 150     |        |
| 337083 SIMON ST (289.3m)           |  | CORINDI BEACH | m2     | 300     |        |
| 237139 MATHEWS PDE (238.3m)        | FROM: House No 87 TO: House No 59                                    | CORINDI BEACH | m2     | 300     |        |
| 237139 MATHEWS PDE (238.3m)        | FROM: House No 87 TO: House No 59                                    | CORINDI BEACH | m2     | 150     |        |
| 337083 SIMON ST (289.3m)           |  | CORINDI BEACH | m2     | 1,200   |        |
| 337074 SALTWATER CRESCENT (401.5m) |  | CORINDI BEACH | m2     | 600     |        |
| 337074 SALTWATER CRESCENT (401.5m) |  | CORINDI BEACH | m2     | 150     |        |
| 236650 PACIFIC ST (905.1m)         | FROM: Crn Of Coral St TO: House No 95                                | CORINDI BEACH | m2     | 150     |        |
| 236651 CORAL ST (223.6m)           | FROM: Pacific St TO: Red Rock Rd                                     | CORINDI BEACH | m2     | 600     |        |
| 236650 PACIFIC ST (905.1m)         | FROM: Crn Of Coral St TO: House No 95                                | CORINDI BEACH | m2     | 900     |        |
| 236650 PACIFIC ST (905.1m)         | FROM: Crn Of Coral St TO: House No 95                                | CORINDI BEACH | m2     | 600     |        |
| 236714 SCARBOROUGH ST (254.4m)     | FROM: Crn Of Beach St Eastern Side TO: Crn Of Hastings               | WOOLGOOLGA    | m2     | 600     |        |

## Appendix 2

|                                    |   |                   |       |       |         |        |
|------------------------------------|---|-------------------|-------|-------|---------|--------|
| 236714 SCARBOROUGH ST (254.4m)     | FROM: Crn Of Beach St Eastern Side TO: Crn Of Hastings  | WOOLGOOLGA        | m2    | 300   |         |        |
| 236716 SHORT ST (128.5m)           | FROM: Crn Of Beach St North Side TO: Crn Of Scarborough | WOOLGOOLGA        | m2    | 150   |         |        |
| 337102 BEACH ST W (401.2m)         |   | WOOLGOOLGA        | m2    | 150   |         |        |
| 337102 BEACH ST W (401.2m)         |   | WOOLGOOLGA        | m2    | 150   |         |        |
| 237358 SAYE CL (17.9m)             | FROM: Same Number TO:                                   | SANDY BEACH       | m2    | 600   |         |        |
| 236454 DIAMOND HEAD DR (370.1m)    | FROM: Pacific Hwy TO: No 100 Diamond Head Dr            | SANDY BEACH       | m2    | 150   |         |        |
| 237282 SANDY BEACH DR (66.7m)      | FROM: Opp House No 100 TO: Down To Boat Ramp            | SANDY BEACH       | hours | 450   |         |        |
| 236831 DIAMOND HEAD DR (210.2m)    | FROM: Coral Dr TO: Mahogany Ave                         | SANDY BEACH       | m2    | 300   |         |        |
| 236831 DIAMOND HEAD DR (210.2m)    | FROM: Coral Dr TO: Mahogany Ave                         | SANDY BEACH       | m2    | 150   |         |        |
| 236831 DIAMOND HEAD DR (210.2m)    | FROM: Coral Dr TO: Mahogany Ave                         | SANDY BEACH       | m2    | 600   |         |        |
| 236487 BLUFF RD (135.8m)           | FROM: Outside House No 70 TO: Outside House No 76       | EMERALD BEACH     | m2    | 1,050 |         |        |
| 236487 BLUFF RD (135.8m)           | FROM: Outside House No 70 TO: Outside House No 76       | EMERALD BEACH     | m2    | 750   |         |        |
| 236438 FIDDAMAN RD (195.2m)        | FROM: Crn Of Islandview St TO: Crn Of Fishermans Dr     | EMERALD BEACH     | m2    | 150   |         |        |
| 237273 FIDDAMAN RD (12.6m)         | FROM: House No 104 TO: House No 104                     | EMERALD BEACH     | m2    | 300   |         |        |
| 104010 FIDDAMAN RD (34.7m)         |   | EMERALD BEACH     | hours | 750   |         |        |
| 236437 FIDDAMAN RD (210.7m)        | FROM: Crn Of Fishermans Dr TO: House No 117             | EMERALD BEACH     | m2    | 300   |         |        |
| 236437 FIDDAMAN RD (210.7m)        | FROM: Crn Of Fishermans Dr TO: House No 117             | EMERALD BEACH     | m2    | 300   |         |        |
| 236437 FIDDAMAN RD (210.7m)        | FROM: Crn Of Fishermans Dr TO: House No 117             | EMERALD BEACH     | m2    | 300   |         |        |
| 237265 FIRMAN DR (173.3m)          | FROM: 75 Mtrs Past Timbertops Dr North TO: Behide Hou   | COFFS HARBOUR     | m2    | 7,500 |         |        |
| 236547 FERNLEIGH/DAINTREE (63.6m)  | FROM: House No 22 Fernleight Ave TO: House No 19 Dair   | KORORA            | m2    | 7,500 |         |        |
| 236547 FERNLEIGH/DAINTREE (63.6m)  | FROM: House No 22 Fernleight Ave TO: House No 19 Dair   | KORORA            | m2    | 1,200 |         |        |
| 236829 SANDY BEACH RD (40.7m)      | FROM: House No 31 TO: Down Towards House No 33          | KORORA            | m2    | 150   |         |        |
| 237208 BREAKERS WAY (26.4m)        | FROM: House No 30 TO: 26m Into Res                      | KORORA            | m2    | 300   |         |        |
| 237213 JAMES SMALL DR (107.6m)     | FROM: House No 39 TO: House No 29                       | KORORA            | m2    | 750   |         |        |
| 236731 WOOLGOOLGA RD (240.3m)      | FROM: Crn Of Bray St TO: Crn Of Argyll St               | COFFS HARBOUR     | m2    | 300   |         |        |
| 236731 WOOLGOOLGA RD (240.3m)      | FROM: Crn Of Bray St TO: Crn Of Argyll St               | COFFS HARBOUR     | m2    | 300   |         |        |
| 236731 WOOLGOOLGA RD (240.3m)      | FROM: Crn Of Bray St TO: Crn Of Argyll St               | COFFS HARBOUR     | m2    | 150   |         |        |
| 236731 WOOLGOOLGA RD (240.3m)      | FROM: Crn Of Bray St TO: Crn Of Argyll St               | COFFS HARBOUR     | m2    | 150   |         |        |
| 236731 WOOLGOOLGA RD (240.3m)      | FROM: Crn Of Bray St TO: Crn Of Argyll St               | COFFS HARBOUR     | m2    | 300   |         |        |
| 237455 WOOLGOOLGA RD (232.5m)      | FROM: Crn Of Wentworth Ave TO: Crn Of Argyll St         | COFFS HARBOUR     | m2    | 300   |         |        |
| 237455 WOOLGOOLGA RD (232.5m)      | FROM: Crn Of Wentworth Ave TO: Crn Of Argyll St         | COFFS HARBOUR     | m2    | 900   |         |        |
| 237455 WOOLGOOLGA RD (232.5m)      | FROM: Crn Of Wentworth Ave TO: Crn Of Argyll St         | COFFS HARBOUR     | m2    | 300   |         |        |
| 236894 WOOLGOOLGA RD (323.3m)      | FROM: Crn Of Bailey Ave Along HWY TO: Rear Of House f   | COFFS HARBOUR     | m2    | 150   |         |        |
| 236893 WOOLGOOLGA RD (105.6m)      | FROM: Crn Of Bailey Ave TO: Crn Of Wentworth Ave        | COFFS HARBOUR     | m2    | 300   |         |        |
| 337133 PACIFIC HWY (303m)          |   | NORTH BOAMBEE VAL | m2    | 300   |         |        |
| 337133 PACIFIC HWY (303m)          |   | NORTH BOAMBEE VAL | m2    | 7,500 |         |        |
| 236636 ISLES DR (124.6m)           | FROM: Crn Of Englands Rd TO: House No 51 Eastern Side   | NORTH BOAMBEE VAL | m2    | 150   |         |        |
| 236636 ISLES DR (124.6m)           | FROM: Crn Of Englands Rd TO: House No 51 Eastern Side   | NORTH BOAMBEE VAL | m2    | 300   |         |        |
| 236636 ISLES DR (124.6m)           | FROM: Crn Of Englands Rd TO: House No 51 Eastern Side   | NORTH BOAMBEE VAL | m2    | 900   |         |        |
| 237205 HALLS RD (130.4m)           | FROM: House No 26 TO: House No 5 Lophostemon Dr         | NORTH BOAMBEE VAL | m2    | 300   |         |        |
| 237203 LOPHOSTEMON DR (96m)        | FROM: Crn Of House No 2 Ellis Crs TO: House No 15       | NORTH BOAMBEE VAL | m2    | 450   |         |        |
| 237204 ELLIS CRES (150m)           | FROM: Crn Of Lophostemon Sr TO: House No 14             | NORTH BOAMBEE VAL | m2    | 600   | 150,000 | year 6 |
| 237204 ELLIS CRES (150m)           | FROM: Crn Of Lophostemon Sr TO: House No 14             | NORTH BOAMBEE VAL | m2    | 300   |         |        |
| 237204 ELLIS CRES (150m)           | FROM: Crn Of Lophostemon Sr TO: House No 14             | NORTH BOAMBEE VAL | m2    | 450   |         |        |
| 236781 PACIFIC HWY (150.1m)        | FROM: Crn Of Halls Rd TO: House No 168 (Big Windmill)   | NORTH BOAMBEE VAL | m2    | 3,000 |         |        |
| 236781 PACIFIC HWY (150.1m)        | FROM: Crn Of Halls Rd TO: House No 168 (Big Windmill)   | NORTH BOAMBEE VAL | m2    | 600   |         |        |
| 237363 BELLINGEN RD (314.4m)       | FROM: House No 44 Bellingen Rd TO: Combine St           | COFFS HARBOUR     | m2    | 300   |         |        |
| 236881 ELIZABETH ST (137.2m)       | FROM: Combine St TO: Toormina Place                     | COFFS HARBOUR     | m2    | 900   |         |        |
| 236881 ELIZABETH ST (137.2m)       | FROM: Combine St TO: Toormina Place                     | COFFS HARBOUR     | m2    | 600   |         |        |
| 236881 ELIZABETH ST (137.2m)       | FROM: Combine St TO: Toormina Place                     | COFFS HARBOUR     | m2    | 1,350 |         |        |
| 236881 ELIZABETH ST (137.2m)       | FROM: Combine St TO: Toormina Place                     | COFFS HARBOUR     | m2    | 750   |         |        |
| 236881 ELIZABETH ST (137.2m)       | FROM: Combine St TO: Toormina Place                     | COFFS HARBOUR     | m2    | 300   |         |        |
| 236881 ELIZABETH ST (137.2m)       | FROM: Combine St TO: Toormina Place                     | COFFS HARBOUR     | m2    | 150   |         |        |
| 236925 AZALEA AVE (255m)           | FROM: West High St TO: To Mclean St Eastside            | COFFS HARBOUR     | m2    | 300   |         |        |
| 236925 AZALEA AVE (255m)           | FROM: West High St TO: To Mclean St Eastside            | COFFS HARBOUR     | m2    | 900   |         |        |
| 236925 AZALEA AVE (255m)           | FROM: West High St TO: To Mclean St Eastside            | COFFS HARBOUR     | m2    | 1,200 |         |        |
| 236925 AZALEA AVE (255m)           | FROM: West High St TO: To Mclean St Eastside            | COFFS HARBOUR     | m2    | 600   |         |        |
| 236467 COMBINE ST (158.1m)         | FROM: SAME TO: NUMBER                                   | COFFS HARBOUR     | m2    | 150   |         |        |
| 236599 CEANOTHUS CL (257.8m)       | FROM: House No 1 TO: House No 24                        | COFFS HARBOUR     | m2    | 300   |         |        |
| 236599 CEANOTHUS CL (257.8m)       | FROM: House No 1 TO: House No 24                        | COFFS HARBOUR     | m2    | 1,200 |         |        |
| 236601 CALLISTEMON PL (11.2m)      | FROM: No 1Ceanothus Cl TO: Callistemon Pl               | COFFS HARBOUR     | m2    | 600   |         |        |
| 237254 McENTYRE ST (263.8m)        | FROM: Crn Of Roselands Dr TO: House No 30               | COFFS HARBOUR     | m2    | 150   |         |        |
| 237254 McENTYRE ST (263.8m)        | FROM: Crn Of Roselands Dr TO: House No 30               | COFFS HARBOUR     | m2    | 750   |         |        |
| 237254 McENTYRE ST (263.8m)        | FROM: Crn Of Roselands Dr TO: House No 30               | COFFS HARBOUR     | m2    | 150   |         |        |
| 236484 SHEPHARDS LNE (374.9m)      | FROM: House No 145 TO: House No 167                     | COFFS HARBOUR     | m2    | 300   |         |        |
| 236434 HAMPSHIRE CL (67.2m)        | FROM: House No 1 TO: Crn Of Merino Dr                   | COFFS HARBOUR     | m2    | 900   |         |        |
| 236434 HAMPSHIRE CL (67.2m)        | FROM: House No 1 TO: Crn Of Merino Dr                   | COFFS HARBOUR     | m2    | 450   |         |        |
| 236434 HAMPSHIRE CL (67.2m)        | FROM: House No 1 TO: Crn Of Merino Dr                   | COFFS HARBOUR     | m2    | 750   |         |        |
| 237286 KEILAWARRA RIDGE (217.7m)   | FROM: House No 3 TO: House No 17                        | COFFS HARBOUR     | hours | 300   |         |        |
| 236799 WISTERIA CL (34.9m)         | FROM: Next To House No 11 TO: Into The Res              | COFFS HARBOUR     | m2    | 7,500 |         |        |
| 236799 WISTERIA CL (34.9m)         | FROM: Next To House No 11 TO: Into The Res              | COFFS HARBOUR     | m2    | 300   |         |        |
| 236802 ADELINES WAY (35.8m)        | FROM: Between 66 and 64 TO: Res at rear                 | COFFS HARBOUR     | m2    | 600   |         |        |
| 236855 TREE FERN CL-PATHWA (42.3m) | FROM: Next To House No 8 TO: Into The Res               | COFFS HARBOUR     | m2    | 750   |         |        |
| 237086 GREENLEA CRES (45.9m)       | FROM: House No 23 TO: Into The Res                      | COFFS HARBOUR     | m2    | 750   |         |        |

## Appendix 2

|                                     |   |               |       |       |
|-------------------------------------|---|---------------|-------|-------|
| 237146 GREEN LEA CR (67.1m)         |   | COFFS HARBOUR | m2    | 450   |
| 236861 WILLS ST (59.3m)             | FROM: Next To House No 18 TO: Into The Res              | COFFS HARBOUR | m2    | 750   |
| 236861 WILLS ST (59.3m)             | FROM: Next To House No 18 TO: Into The Res              | COFFS HARBOUR | m2    | 300   |
| 236868 CORAMBA RD (249.9m)          | FROM: Robin St TO: Hosue No 34                          | COFFS HARBOUR | m2    | 750   |
| 236867 CORAMBA RD (72.2m)           | FROM: House No 34 TO: House No 42                       | COFFS HARBOUR | m2    | 150   |
| 236869 CORAMBA RD (451.4m)          | FROM: Robin St TO: 30Mtrs Past House No 55              | COFFS HARBOUR | m2    | 450   |
| 236869 CORAMBA RD (451.4m)          | FROM: Robin St TO: 30Mtrs Past House No 55              | COFFS HARBOUR | m2    | 150   |
| 236869 CORAMBA RD (451.4m)          | FROM: Robin St TO: 30Mtrs Past House No 55              | COFFS HARBOUR | m2    | 150   |
| 236564 MASTRACOLAS RD (138.4m)      | FROM: Crn Of Hwy SouthernSide TO: To Roundabout Sou     | COFFS HARBOUR | m2    | 450   |
| 237349 PACIFIC HWY (157.2m)         | FROM: Turning Lane Into Homebse TO: Crn Of Mastracol    | COFFS HARBOUR | m2    | 300   |
| 337173 PACIFIC HWY (235.4m)         |   | COFFS HARBOUR | m2    | 600   |
| 337173 PACIFIC HWY (235.4m)         |   | COFFS HARBOUR | m2    | 1,500 |
| 337173 PACIFIC HWY (235.4m)         |   | COFFS HARBOUR | m2    | 1,500 |
| 337173 PACIFIC HWY (235.4m)         |   | COFFS HARBOUR | m2    | 3,750 |
| 337173 PACIFIC HWY (235.4m)         |   | COFFS HARBOUR | m2    | 900   |
| 337173 PACIFIC HWY (235.4m)         |   | COFFS HARBOUR | m2    | 7,500 |
| 236732 TALOUMBI RD (252.2m)         | FROM: House No 20 Bray St TO: House No 94 Driveway      | COFFS HARBOUR | m2    | 300   |
| 236919 HUGHES CL/GRANT CL (107.5m)  | FROM: Next To 18 Hughes Close TO: Start Of House No 3   | COFFS HARBOUR | hours | 300   |
| 236919 HUGHES CL/GRANT CL (107.5m)  | FROM: Next To 18 Hughes Close TO: Start Of House No 3   | COFFS HARBOUR | hours | 150   |
| 237344 BRAY ST (75m)                | FROM: Dianne Cl TO: To Michelle Cl                      | COFFS HARBOUR | m2    | 300   |
| 236792 BRAY ST (61m)                | FROM: Frederick St TO: East up Bray 61m                 | COFFS HARBOUR | m2    | 1,200 |
| 236928 BRAY ST (134m)               | FROM: Opp Side Of No 50 TO: Opp Side Of No 40           | COFFS HARBOUR | m2    | 300   |
| 236318 BRAY ST (135.3m)             | FROM: 15 Mtrs Pass Bridge West TO: Opp Side Of No 40    | COFFS HARBOUR | m2    | 900   |
| 236317 BRAY ST (362.7m)             | FROM: Elm St Goes West TO: 15 Mtrs Past Bridge          | COFFS HARBOUR | m2    | 300   |
| 236896 BRAY ST (276.3m)             | FROM: Norfolk Cr TO: Norfolk Cr                         | COFFS HARBOUR | m2    | 900   |
| 236896 BRAY ST (276.3m)             | FROM: Norfolk Cr TO: Norfolk Cr                         | COFFS HARBOUR | m2    | 600   |
| 237137 COFFS CK WALKWAY (212.6m)    | FROM: Start Level With Duke St In Bush TO: 60Mtrs Sho   | COFFS HARBOUR | m2    | 3,000 |
| 237137 COFFS CK WALKWAY (212.6m)    | FROM: Start Level With Duke St In Bush TO: 60Mtrs Sho   | COFFS HARBOUR | m2    | 3,000 |
| 237229 JORDAN ESP (316.1m)          | FROM: End Of Loop Near Sun Dial TO: Head North Towar    | COFFS HARBOUR | m2    | 150   |
| 237224 JORDAN ESP (563.1m)          | FROM: 20Mtrs South Of Sun Dial TO: Boat Ramp Car Park   | COFFS HARBOUR | m2    | 150   |
| 237224 JORDAN ESP (563.1m)          | FROM: 20Mtrs South Of Sun Dial TO: Boat Ramp Car Park   | COFFS HARBOUR | m2    | 150   |
| 237230 JORDAN ESP (200.9m)          | FROM: From Last Shelter North TO: To Start Of Jetty     | COFFS HARBOUR | m2    | 300   |
| 237104 ORLANDO ST (726.5m)          | FROM: From Bridge Under Train Track TO: Along Beach T   | COFFS HARBOUR | m2    | 600   |
| 237105 ORLANDO ST (55.7m)           | FROM: Car Park Train Track Side TO: Toward Creek        | COFFS HARBOUR | m2    | 750   |
| 237105 ORLANDO ST (55.7m)           | FROM: Car Park Train Track Side TO: Toward Creek        | COFFS HARBOUR | m2    | 1,500 |
| 236816 HOGBIN DR NORTH (216.1m)     | FROM: Crn Of Orlando St TO: Head North Down Hill        | COFFS HARBOUR | m2    | 750   |
| 236569 PACIFIC HWY (292.2m)         | FROM: Crn Of Park Beach Rd TO: 60Mtrs Short Of Arthur   | COFFS HARBOUR | m2    | 9,000 |
| 237405 HOGBIN DR NORTH (476.2m)     | FROM: 90Mtrs From Park Beach Rd Roundabout TO: Heac     | COFFS HARBOUR | m2    | 450   |
| 237405 HOGBIN DR NORTH (476.2m)     | FROM: 90Mtrs From Park Beach Rd Roundabout TO: Heac     | COFFS HARBOUR | m2    | 150   |
| 237405 HOGBIN DR NORTH (476.2m)     | FROM: 90Mtrs From Park Beach Rd Roundabout TO: Heac     | COFFS HARBOUR | m2    | 450   |
| 237461 PACIFC HWY (184.1m)          | FROM: Crn Of Orlando St TO: Crn Of Park Beach Rd        | COFFS HARBOUR | m2    | 7,500 |
| 237461 PACIFC HWY (184.1m)          | FROM: Crn Of Orlando St TO: Crn Of Park Beach Rd        | COFFS HARBOUR | m2    | 3,000 |
| 237461 PACIFC HWY (184.1m)          | FROM: Crn Of Orlando St TO: Crn Of Park Beach Rd        | COFFS HARBOUR | m2    | 9,000 |
| 237461 PACIFC HWY (184.1m)          | FROM: Crn Of Orlando St TO: Crn Of Park Beach Rd        | COFFS HARBOUR | m2    | 750   |
| 237461 PACIFC HWY (184.1m)          | FROM: Crn Of Orlando St TO: Crn Of Park Beach Rd        | COFFS HARBOUR | m2    | 6,000 |
| 236572 COLUMBUS CCT PWAYS (177.3m)  | FROM: End Of Colombus Crt TO: 177Mtrs Into ParkTowa     | COFFS HARBOUR | m2    | 750   |
| 236573 PARK BEACH RD PWAYS (270.8m) | FROM: Next To House No 55 TO: Into Res Heading Towar    | COFFS HARBOUR | m2    | 750   |
| 236573 PARK BEACH RD PWAYS (270.8m) | FROM: Next To House No 55 TO: Into Res Heading Towar    | COFFS HARBOUR | m2    | 600   |
| 237220 PARK BEACH RD (66.6m)        | FROM: 20Mtrs From Roundabout West TO: To MacDonald      | COFFS HARBOUR | m2    | 900   |
| 237220 PARK BEACH RD (66.6m)        | FROM: 20Mtrs From Roundabout West TO: To MacDonald      | COFFS HARBOUR | m2    | 900   |
| 236717 PARK BEACH RD (37.5m)        | FROM: Crn Of Walter Morris Close TO: South Side Back Tr | COFFS HARBOUR | m2    | 750   |
| 236717 PARK BEACH RD (37.5m)        | FROM: Crn Of Walter Morris Close TO: South Side Back Tr | COFFS HARBOUR | m2    | 300   |
| 236720 WALTER MORRIS CL (53.9m)     | FROM: House No 31 TO: House No 31                       | COFFS HARBOUR | m2    | 150   |
| 237407 PARK BEACH RD (391.4m)       | FROM: House No 71 TO: Plaza Entrance Eastern side       | COFFS HARBOUR | m2    | 1,200 |
| 237407 PARK BEACH RD (391.4m)       | FROM: House No 71 TO: Plaza Entrance Eastern side       | COFFS HARBOUR | m2    | 450   |
| 236573 PARK BEACH RD PWAYS (270.8m) | FROM: Next To House No 55 TO: Into Res Heading Towar    | COFFS HARBOUR | m2    | 1,200 |
| 237407 PARK BEACH RD (391.4m)       | FROM: House No 71 TO: Plaza Entrance Eastern side       | COFFS HARBOUR | m     | 150   |
| 237407 PARK BEACH RD (391.4m)       | FROM: House No 71 TO: Plaza Entrance Eastern side       | COFFS HARBOUR | m     | 150   |
| 236575 PARK BEACH RD (15.9m)        | FROM: From Bus Shelter Head East TO: 20 Mtrs Short Of   | COFFS HARBOUR | m2    | 600   |
| 237412 PARK BEACH RD (235.2m)       | FROM: House No 103 TO: West To Northside Shopping Cr    | COFFS HARBOUR | m2    | 750   |
| 236953 WEST HIGHT ST (581m)         | FROM: Crn Of Gundagai Place TO: House No 33             | COFFS HARBOUR | m2    | 750   |
| 236953 WEST HIGHT ST (581m)         | FROM: Crn Of Gundagai Place TO: House No 33             | COFFS HARBOUR | m2    | 1,500 |
| 236953 WEST HIGHT ST (581m)         | FROM: Crn Of Gundagai Place TO: House No 33             | COFFS HARBOUR | m2    | 150   |
| 236999 GRAFTON ST (149.3m)          | FROM: Opp Beryl St North Facing TO: Towards Showgrou    | COFFS HARBOUR | m2    | 300   |
| 236999 GRAFTON ST (149.3m)          | FROM: Opp Beryl St North Facing TO: Towards Showgrou    | COFFS HARBOUR | m2    | 450   |
| 236999 GRAFTON ST (149.3m)          | FROM: Opp Beryl St North Facing TO: Towards Showgrou    | COFFS HARBOUR | m2    | 450   |
| 237106 PACIFC HWY (332.1m)          | FROM: Crn Of Marica St Head South TO: Past Showgroun    | COFFS HARBOUR | m2    | 300   |
| 237236 OCEAN PDE (242.1m)           | FROM: Crn Of Surf Club Road Entrance TO: Head North 2   | COFFS HARBOUR | m2    | 300   |
| 236747 OCEAN PDE (173.6m)           | FROM: From Train Bridge North TO: Till Corner In Road   | COFFS HARBOUR | m2    | 300   |
| 236747 OCEAN PDE (173.6m)           | FROM: From Train Bridge North TO: Till Corner In Road   | COFFS HARBOUR | m2    | 300   |
| 236747 OCEAN PDE (173.6m)           | FROM: From Train Bridge North TO: Till Corner In Road   | COFFS HARBOUR | m2    | 150   |
| 236747 OCEAN PDE (173.6m)           | FROM: From Train Bridge North TO: Till Corner In Road   | COFFS HARBOUR | m2    | 900   |
| 236747 OCEAN PDE (173.6m)           | FROM: From Train Bridge North TO: Till Corner In Road   | COFFS HARBOUR | m2    | 450   |
| 236747 OCEAN PDE (173.6m)           | FROM: From Train Bridge North TO: Till Corner In Road   | COFFS HARBOUR | m2    | 750   |

## Appendix 2

|                                  |  |               |        |       |
|----------------------------------|--|---------------|--------|-------|
| 236596 HARBOUR DR (261.6m)       | FROM: House No 259 TO: East Towards Saltwater Park       | COFFS HARBOUR | m2     | 300   |
| 236776 THOMPSONS RD (369.3m)     | FROM: Crn Of Fairway Place TO: Crn Of Raleigh St         | COFFS HARBOUR | m2     | 600   |
| 236776 THOMPSONS RD (369.3m)     | FROM: Crn Of Fairway Place TO: Crn Of Raleigh St         | COFFS HARBOUR | m2     | 300   |
| 236776 THOMPSONS RD (369.3m)     | FROM: Crn Of Fairway Place TO: Crn Of Raleigh St         | COFFS HARBOUR | m2     | 300   |
| 236776 THOMPSONS RD (369.3m)     | FROM: Crn Of Fairway Place TO: Crn Of Raleigh St         | COFFS HARBOUR | m2     | 300   |
| 236837 JARRAH CT (104m)          | FROM: Crn Of House No 3 Redwood TO: House No 7           | COFFS HARBOUR | m      | 150   |
| 237193 THOMPSONS RD (106.1m)     | FROM: Crn Of Aubrey Crs TO: Crn Of Redwood St            | COFFS HARBOUR | m2     | 150   |
| 236741 EDINBURGH ST (201.7m)     | FROM: Nile St TO: House No 152A Eastern Side             | COFFS HARBOUR | m2     | 900   |
| 236741 EDINBURGH ST (201.7m)     | FROM: Nile St TO: House No 152A Eastern Side             | COFFS HARBOUR | m2     | 300   |
| 236741 EDINBURGH ST (201.7m)     | FROM: Nile St TO: House No 152A Eastern Side             | COFFS HARBOUR | m2     | 750   |
| 236741 EDINBURGH ST (201.7m)     | FROM: Nile St TO: House No 152A Eastern Side             | COFFS HARBOUR | m2     | 600   |
| 236741 EDINBURGH ST (201.7m)     | FROM: Nile St TO: House No 152A Eastern Side             | COFFS HARBOUR | m2     | 300   |
| 236885 VICTORIA ST (220m)        | FROM: Crn Of Dibbs St TO: Crn Of Boambee St              | COFFS HARBOUR | m2     | 750   |
| 236885 VICTORIA ST (220m)        | FROM: Crn Of Dibbs St TO: Crn Of Boambee St              | COFFS HARBOUR | m2     | 600   |
| 236885 VICTORIA ST (220m)        | FROM: Crn Of Dibbs St TO: Crn Of Boambee St              | COFFS HARBOUR | m2     | 600   |
| 236885 VICTORIA ST (220m)        | FROM: Crn Of Dibbs St TO: Crn Of Boambee St              | COFFS HARBOUR | m2     | 1,200 |
| 236885 VICTORIA ST (220m)        | FROM: Crn Of Dibbs St TO: Crn Of Boambee St              | COFFS HARBOUR | m2     | 750   |
| 236885 VICTORIA ST (220m)        | FROM: Crn Of Dibbs St TO: Crn Of Boambee St              | COFFS HARBOUR | m2     | 900   |
| 236885 VICTORIA ST (220m)        | FROM: Crn Of Dibbs St TO: Crn Of Boambee St              | COFFS HARBOUR | m2     | 600   |
| 236885 VICTORIA ST (220m)        | FROM: Crn Of Dibbs St TO: Crn Of Boambee St              | COFFS HARBOUR | m2     | 900   |
| 236885 VICTORIA ST (220m)        | FROM: Crn Of Dibbs St TO: Crn Of Boambee St              | COFFS HARBOUR | m2     | 450   |
| 236885 VICTORIA ST (220m)        | FROM: Crn Of Dibbs St TO: Crn Of Boambee St              | COFFS HARBOUR | m2     | 300   |
| 236885 VICTORIA ST (220m)        | FROM: Crn Of Dibbs St TO: Crn Of Boambee St              | COFFS HARBOUR | m2     | 450   |
| 236885 VICTORIA ST (220m)        | FROM: Crn Of Dibbs St TO: Crn Of Boambee St              | COFFS HARBOUR | m2     | 900   |
| 236585 HARBOUR DR (259.8m)       | FROM: Dibbs St TO: Boambee St                            | COFFS HARBOUR | m2     | 300   |
| 236584 HARBOUR DR (242.4m)       | FROM: Dibbs St TO: 6 Mtrs Short Of Barrie St             | COFFS HARBOUR | m      | 150   |
| 236597 HARBOUR DR (263m)         | FROM: Barrie St North Side TO: Dibbs St North Side       | COFFS HARBOUR | m2     | 150   |
| 236465 NORTH ST (63.2m)          | FROM: 5 Mtrs From Crn Of Harbour Dr TO: House No 1 L     | COFFS HARBOUR | m2     | 150   |
| 236763 EARL ST (118.5m)          | FROM: Boville St TO: Avenue St Western Side              | COFFS HARBOUR | m2     | 300   |
| 236759 GORDON ST (113.6m)        | FROM: Bonville St TO: Southern Side Of Church CarPark    | COFFS HARBOUR | m2     | 450   |
| 236924 NIMBIN PL (30m)           | FROM: Crn Of Albany St TO: House No 1                    | COFFS HARBOUR | m2     | 300   |
| 236752 EARL ST (56.4m)           | FROM: House No 6 TO: Crn Of Albany                       | COFFS HARBOUR | m2     | 450   |
| 236762 MARKET ST (112.3m)        | FROM: Crn Of Albany St Eastern Side TO: Crn Of Little St | COFFS HARBOUR | m2     | 300   |
| 236948 MARKET ST (114.7m)        | FROM: Crn Of Albany St Western Side TO: Crn Of Grafton   | COFFS HARBOUR | m2     | 600   |
| 236421 MARIAN CL (186m)          | FROM: Crn Of Sawtell Rd TO: Eastern Side Of Road To Dr   | TOORMINA      | m2     | 900   |
| 337165 CORONATION AVE (73.1m)    |  | SAWTELL       | m2     | 150   |
| 337162 ELEVENTH AVE (78.1m)      |  | SAWTELL       | m2     | 300   |
| 337162 ELEVENTH AVE (78.1m)      |  | SAWTELL       | m2     | 1,200 |
| 236470 ELIZABETH ST (387.9m)     | FROM: Eleventh Ave TO: Second Ave Eastern side           | SAWTELL       | m2     | 150   |
| 236356 ALEXANDRA CRT (94.9m)     | FROM: 5A Alexandra Crt TO: 26 Bangalow Terrace           | SAWTELL       | m2     | 6,000 |
| 236356 ALEXANDRA CRT (94.9m)     | FROM: 5A Alexandra Crt TO: 26 Bangalow Terrace           | SAWTELL       | m2     | 2,250 |
| 236356 ALEXANDRA CRT (94.9m)     | FROM: 5A Alexandra Crt TO: 26 Bangalow Terrace           | SAWTELL       | m2     | 600   |
| 236356 ALEXANDRA CRT (94.9m)     | FROM: 5A Alexandra Crt TO: 26 Bangalow Terrace           | SAWTELL       | m2     | 900   |
| 236411 AMAROO/JEMALONG (106.2m)  | FROM: 35 Amaroo Cr TO: 25 Jemalong Cr                    | TOORMINA      | m2     | 300   |
| 236411 AMAROO/JEMALONG (106.2m)  | FROM: 35 Amaroo Cr TO: 25 Jemalong Cr                    | TOORMINA      | m2     | 300   |
| 236341 ANDERSON ST (382.4m)      | FROM: Hobbs Cr TO: No 34 Anderson St                     | TOORMINA      | metres | 150   |
| 236335 HOBBS CR (151m)           | FROM: House No 46 TO: Crn Of Scott Close                 | TOORMINA      | metres | 150   |
| 237087 DEWS AVE (209.1m)         | FROM: Next To House No 59 TO: Into Res Ends Near Pres    | TOORMINA      | m2     | 750   |
| 237173 RUTLAND ST (174.1m)       | FROM: Next To House No 26 TO: 50Mtrs Short Of Paddy      | BONVILLE      | m2     | 450   |
| 236372 SUNRISE DR (76.6m)        | FROM: Next To House No 27 TO: House No 18 Kingfisher     | BOAMBEE EAST  | metres | 150   |
| 236372 SUNRISE DR (76.6m)        | FROM: Next To House No 27 TO: House No 18 Kingfisher     | BOAMBEE EAST  | m2     | 600   |
| 236378 JABIRU CT (176.4m)        | FROM: Next To House No 11 TO: House No 17 Kestrel Pla    | BOAMBEE EAST  | m2     | 900   |
| 236378 JABIRU CT (176.4m)        | FROM: Next To House No 11 TO: House No 17 Kestrel Pla    | BOAMBEE EAST  | m2     | 750   |
| 236384 WHIPBIRD PL (76.9m)       | FROM: Next To House No 5 TO: House No 39 Wedgetail       | BOAMBEE EAST  | m2     | 900   |
| 236397 TALLOWOOD/TAMARIND (77.7) | FROM: House No 4 TO: House No 3A                         | TOORMINA      | m2     | 750   |
| 236396 KINCHELA/ NILPENA (83.1m) | FROM: House No 4 TO: House No 3 Nilpena Close            | TOORMINA      | m2     | 150   |
| 236396 KINCHELA/ NILPENA (83.1m) | FROM: House No 4 TO: House No 3 Nilpena Close            | TOORMINA      | m2     | 150   |
| 236833 KINCHELA AVE (301.8m)     | FROM: House No 39 TO: House No 67                        | TOORMINA      | m2     | 300   |
| 236535 SAWTELL RD (98.7m)        | FROM: House No 19 TO: 25 Mtrs East Of House No 7         | TOORMINA      | m2     | 150   |
| 337138 SAWTELL RD (312.6m)       |  | BOAMBEE EAST  | m2     | 300   |
| 337138 SAWTELL RD (312.6m)       |  | BOAMBEE EAST  | m2     | 150   |
| 337138 SAWTELL RD (312.6m)       |  | BOAMBEE EAST  | m2     | 150   |
| 236639 BRUCE KING DR (257.2m)    | FROM: Linden Ave TO: To charkate Cl                      | BOAMBEE EAST  | m2     | 150   |
| 236639 BRUCE KING DR (257.2m)    | FROM: Linden Ave TO: To charkate Cl                      | BOAMBEE EAST  | m2     | 150   |
| 337141 WAGTAIL CL (75.3m)        |  | BOAMBEE EAST  | m2     | 150   |
| 236383 BRONZEWING PL (83.6m)     | FROM: Bronzewing Pl No 7 TO: Wedgetail Cr No 10          | BOAMBEE EAST  | m2     | 1,500 |
| 236352 EUNGELLA ST (37.1m)       | FROM: Bus Bay Western side TO: Lowery St                 | TOORMINA      | m2     | 150   |
| 236351 EUNGELLA ST (94.9m)       | FROM: House No 6 TO: House No 12                         | TOORMINA      | m2     | 150   |
| 236351 EUNGELLA ST (94.9m)       | FROM: House No 6 TO: House No 12                         | TOORMINA      | m2     | 150   |
| 237403 AMAROO CR (395.5m)        | FROM: Nariah Cr TO: To Toormina Rd                       | TOORMINA      | m2     | 150   |
| 236410 BANGALEE CR (275.2m)      | FROM: Roby Pl TO: To Toormina Rd                         | TOORMINA      | m2     | 150   |
| 236915 MINORIE DR (197.5m)       | FROM: Crn Of Wirrabilla Dr TO: House No 46               | TOORMINA      | m2     | 150   |
| 337148 TOORMINA RD (676.5m)      |  | TOORMINA      | m2     | 150   |
| 337148 TOORMINA RD (676.5m)      |  | TOORMINA      | m2     | 150   |







## Appendix 2

|                                    |   |               |       |       |
|------------------------------------|---|---------------|-------|-------|
| 236429 HOGBIN DR (711m)            | FROM: Crn Of Rex Hardarce Lane TO: Head North Towarc  | TOORMINA      | m2    | 600   |
| 236429 HOGBIN DR (711m)            | FROM: Crn Of Rex Hardarce Lane TO: Head North Towarc  | TOORMINA      | m2    | 600   |
| 236429 HOGBIN DR (711m)            | FROM: Crn Of Rex Hardarce Lane TO: Head North Towarc  | TOORMINA      | m2    | 600   |
| 236429 HOGBIN DR (711m)            | FROM: Crn Of Rex Hardarce Lane TO: Head North Towarc  | TOORMINA      | m2    | 600   |
| 236429 HOGBIN DR (711m)            | FROM: Crn Of Rex Hardarce Lane TO: Head North Towarc  | TOORMINA      | m2    | 600   |
| 236429 HOGBIN DR (711m)            | FROM: Crn Of Rex Hardarce Lane TO: Head North Towarc  | TOORMINA      | m2    | 1,200 |
| 236428 HOGBIN DR (202.1m)          | FROM: Crn Of Rex Hardarce Lane TO: Head South         | TOORMINA      | m2    | 600   |
| 236428 HOGBIN DR (202.1m)          | FROM: Crn Of Rex Hardarce Lane TO: Head South         | TOORMINA      | m2    | 600   |
| 236428 HOGBIN DR (202.1m)          | FROM: Crn Of Rex Hardarce Lane TO: Head South         | TOORMINA      | m2    | 600   |
| 236428 HOGBIN DR (202.1m)          | FROM: Crn Of Rex Hardarce Lane TO: Head South         | TOORMINA      | m     | 150   |
| 236428 HOGBIN DR (202.1m)          | FROM: Crn Of Rex Hardarce Lane TO: Head South         | TOORMINA      | m2    | 600   |
| 236428 HOGBIN DR (202.1m)          | FROM: Crn Of Rex Hardarce Lane TO: Head South         | TOORMINA      | m2    | 600   |
| 236428 HOGBIN DR (202.1m)          | FROM: Crn Of Rex Hardarce Lane TO: Head South         | TOORMINA      | m2    | 600   |
| 236428 HOGBIN DR (202.1m)          | FROM: Crn Of Rex Hardarce Lane TO: Head South         | TOORMINA      | m2    | 600   |
| 236428 HOGBIN DR (202.1m)          | FROM: Crn Of Rex Hardarce Lane TO: Head South         | TOORMINA      | m2    | 600   |
| 236427 HOGBIN DR (381.2m)          | FROM: Crn Of Barcoo Court TO: Start Of Football Oval  | TOORMINA      | m2    | 300   |
| 337107 GRAFTON ST L (480.5m)       |   | NANA GLEN     | m2    | 300   |
| 337107 GRAFTON ST L (480.5m)       |   | NANA GLEN     | m2    | 1,500 |
| 337108 GRAFTON ST L (72.2m)        |   | NANA GLEN     | m2    | 300   |
| 337108 GRAFTON ST L (72.2m)        |   | NANA GLEN     | m2    | 150   |
| 337096 VISTA CLOSE (238.1m)        |   | WOOLGOOLGA    | m2    | 300   |
| 337096 VISTA CLOSE (238.1m)        |   | WOOLGOOLGA    | m2    | 300   |
| 337096 VISTA CLOSE (238.1m)        |   | WOOLGOOLGA    | m2    | 900   |
| 337096 VISTA CLOSE (238.1m)        |   | WOOLGOOLGA    | m2    | 300   |
| 337100 PACIFC HWY W (233.2m)       |   | WOOLGOOLGA    | m2    | 1     |
| 337100 PACIFC HWY W (233.2m)       |   | WOOLGOOLGA    | m2    | 1     |
| 337106 PANDANUS PL (37.2m)         |   | WOOLGOOLGA    | m2    | 1     |
| 237495 CARRINGTON ST (449m)        | FROM: Carrington St End Grass Road TO: Through Reserv | WOOLGOOLGA    | m2    | 600   |
| 236473 OCEAN ST (148m)             | FROM: Crn Of Arthur St TO: House No 41                | WOOLGOOLGA    | m     | 150   |
| 237432 BOUNDARY ST (119.6m)        | FROM: House No 6 TO: Start Of Car park No 18          | WOOLGOOLGA    | m2    | 600   |
| 237393 NIGHTINGALE ST (68.5m)      | FROM: Crn Of Nelson St TO: Crn Of Waterloo St         | WOOLGOOLGA    | m2    | 300   |
| 237393 NIGHTINGALE ST (68.5m)      | FROM: Crn Of Nelson St TO: Crn Of Waterloo St         | WOOLGOOLGA    | m2    | 300   |
| 237393 NIGHTINGALE ST (68.5m)      | FROM: Crn Of Nelson St TO: Crn Of Waterloo St         | WOOLGOOLGA    | m2    | 300   |
| 237393 NIGHTINGALE ST (68.5m)      | FROM: Crn Of Nelson St TO: Crn Of Waterloo St         | WOOLGOOLGA    | m2    | 300   |
| 237392 NIGHTINGALE ST (129.1m)     | FROM: Crn Of Trafalgar St TO: Crn Of Nelson St        | WOOLGOOLGA    | m2    | 300   |
| 237392 NIGHTINGALE ST (129.1m)     | FROM: Crn Of Trafalgar St TO: Crn Of Nelson St        | WOOLGOOLGA    | m2    | 300   |
| 237392 NIGHTINGALE ST (129.1m)     | FROM: Crn Of Trafalgar St TO: Crn Of Nelson St        | WOOLGOOLGA    | m2    | 300   |
| 237392 NIGHTINGALE ST (129.1m)     | FROM: Crn Of Trafalgar St TO: Crn Of Nelson St        | WOOLGOOLGA    | m2    | 300   |
| 237392 NIGHTINGALE ST (129.1m)     | FROM: Crn Of Trafalgar St TO: Crn Of Nelson St        | WOOLGOOLGA    | m2    | 150   |
| 237392 NIGHTINGALE ST (129.1m)     | FROM: Crn Of Trafalgar St TO: Crn Of Nelson St        | WOOLGOOLGA    | m2    | 600   |
| 237392 NIGHTINGALE ST (129.1m)     | FROM: Crn Of Trafalgar St TO: Crn Of Nelson St        | WOOLGOOLGA    | m2    | 150   |
| 237392 NIGHTINGALE ST (129.1m)     | FROM: Crn Of Trafalgar St TO: Crn Of Nelson St        | WOOLGOOLGA    | m2    | 300   |
| 237392 NIGHTINGALE ST (129.1m)     | FROM: Crn Of Trafalgar St TO: Crn Of Nelson St        | WOOLGOOLGA    | m2    | 300   |
| 236711 NIGHTINGALE ST (130.2m)     | FROM: Crn Of Market St TO: Crn Of Trafalgar St        | WOOLGOOLGA    | m2    | 300   |
| 236711 NIGHTINGALE ST (130.2m)     | FROM: Crn Of Market St TO: Crn Of Trafalgar St        | WOOLGOOLGA    | m2    | 750   |
| 236710 MARKET ST (198.1m)          | FROM: Northern Side Of Market St TO: Corner To Corner | WOOLGOOLGA    | m2    | 600   |
| 337119 DARKUM RD (54.3m)           |   | MULLAWAY      | m2    | 6,000 |
| 380474 OUTRIGGER PLACE (130.9m)    | OUTRIGGER PLACE                                       | SAFETY BEACH  | m2    | 300   |
| 380476 ADMIRALTY DRIVE (229.3m)    | ADMIRALTY DRIVE                                       | SAFETY BEACH  | m2    | 300   |
| 380476 ADMIRALTY DRIVE (229.3m)    | ADMIRALTY DRIVE                                       | SAFETY BEACH  | m2    | 300   |
| 380476 ADMIRALTY DRIVE (229.3m)    | ADMIRALTY DRIVE                                       | SAFETY BEACH  | m2    | 300   |
| 237497 ELLEM CL (618.1m)           | FROM: Behide House No 12 In Res TO: Head North Into   | FARRAWARRA    | m2    | 600   |
| 237496 ELLEM CL (45.9m)            | FROM: Next To House No 12 TO: Into Res                | ARRAWARRA     | m2    | 300   |
| 337093 COWRIE CLOSE (112.8m)       |   | CORINDI BEACH | hours | 300   |
| 337072 PACIFIC STREET (533.7m)     |   | CORINDI BEACH | m2    | 900   |
| 337072 PACIFIC STREET (533.7m)     |   | CORINDI BEACH | m2    | 600   |
| 236537 LOMANDRA CT (185.7m)        | FROM: House No 4 TO: House No 24                      | CORINDI BEACH | m2    | 300   |
| 337083 SIMON ST (289.3m)           |   | CORINDI BEACH | m2    | 300   |
| 337083 SIMON ST (289.3m)           |   | CORINDI BEACH | m2    | 300   |
| 337095 MATTHEWS PDE (104.1m)       |   | CORINDI BEACH | m2    | 600   |
| 237139 MATHEWS PDE (238.3m)        | FROM: House No 87 TO: House No 59                     | CORINDI BEACH | m2    | 150   |
| 237139 MATHEWS PDE (238.3m)        | FROM: House No 87 TO: House No 59                     | CORINDI BEACH | m2    | 300   |
| 237139 MATHEWS PDE (238.3m)        | FROM: House No 87 TO: House No 59                     | CORINDI BEACH | m2    | 600   |
| 337074 SALTWATER CRESCENT (401.5m) |   | CORINDI BEACH | m2    | 750   |
| 337074 SALTWATER CRESCENT (401.5m) |   | CORINDI BEACH | m2    | 600   |
| 337074 SALTWATER CRESCENT (401.5m) |   | CORINDI BEACH | m2    | 750   |
| 337074 SALTWATER CRESCENT (401.5m) |   | CORINDI BEACH | m2    | 300   |
| 337074 SALTWATER CRESCENT (401.5m) |   | CORINDI BEACH | m2    | 750   |
| 337074 SALTWATER CRESCENT (401.5m) |   | CORINDI BEACH | m2    | 1,500 |
| 337074 SALTWATER CRESCENT (401.5m) |   | CORINDI BEACH | m2    | 300   |
| 337075 SALTWATER CRESCENT (219.5m) |   | CORINDI BEACH | m2    | 1,500 |
| 337075 SALTWATER CRESCENT (219.5m) |   | CORINDI BEACH | m2    | 600   |
| 237085 MATHEWS PDE (162.4m)        | FROM: Next To House No 67 TO: Onto Pacific St         | CORINDI BEACH | m2    | 300   |
| 237085 MATHEWS PDE (162.4m)        | FROM: Next To House No 67 TO: Onto Pacific St         | CORINDI BEACH | m2    | 300   |



## Appendix 2

|                                      |   |                   |                         |
|--------------------------------------|---|-------------------|-------------------------|
| 237206 BALLANTIVE DR (154.9m)        | FROM: From No 19 Ballantine Dr TO: To Tranquility Dr ThKORORA     | hours             | 150                     |
| 237206 BALLANTIVE DR (154.9m)        | FROM: From No 19 Ballantine Dr TO: To Tranquility Dr ThKORORA     | hours             | 150                     |
| 237207 BALLANTINE DR (223.5m)        | FROM: House No 1 TO: House No 19 KORORA                           | hours             | 300                     |
| 236555 DRIFTWOOD/TIMBERTOP (106m)    | FROM: House No 26 Driftwood Court TO: House No 21TinCOFFS HARBOUR | hours             | 150                     |
| 236504 PACIFC HWY (42.2m)            | FROM: Ambulance Station TO: To HWY Crossing COFFS HARBOUR         | hours             | 150                     |
| 236784 PACIFIC HWY (103.4m)          | FROM: Crn Of Cook Dr TO: House No 251A COFFS HARBOUR              | m2                | 600                     |
| 237089 PACIFIC HWY (260.8m)          | FROM: Rear Of No 10 Ray Mccarthy Dr TO: House No 251COFFS HARBOUR | m2                | 600                     |
| 237089 PACIFC HWY (260.8m)           | FROM: Rear Of No 10 Ray Mccarthy Dr TO: House No 251COFFS HARBOUR | m2                | 600                     |
| 237089 PACIFC HWY (260.8m)           | FROM: Rear Of No 10 Ray Mccarthy Dr TO: House No 251COFFS HARBOUR | m2                | 600                     |
| 337133 PACIFC HWY (303m)             |   | NORTH BOAMBEE VAL | m2 150                  |
| 337133 PACIFC HWY (303m)             |   | NORTH BOAMBEE VAL | m2 300                  |
| 337133 PACIFC HWY (303m)             |   | NORTH BOAMBEE VAL | m2 300                  |
| 337132 PACIFC HWY (80.1m)            |   | NORTH BOAMBEE VAL | m2 150                  |
| 236507 PACIFC HWY (84.1m)            | FROM: Crn Of Pacific Hwy Western Side TO: Crn Of Engla            | NORTH BOAMBEE VAL | m2 750                  |
| 237205 HALLS RD (130.4m)             | FROM: House No 26 TO: House No 5 Lophostemon Dr                   | NORTH BOAMBEE VAL | m2 300                  |
| 237205 HALLS RD (130.4m)             | FROM: House No 26 TO: House No 5 Lophostemon Dr                   | NORTH BOAMBEE VAL | m2 600                  |
| 237205 HALLS RD (130.4m)             | FROM: House No 26 TO: House No 5 Lophostemon Dr                   | NORTH BOAMBEE VAL | m2 300                  |
| 237203 LOPHOSTEMON DR (96m)          | FROM: Crn Of House No 2 Ellis Crs TO: House No 15                 | NORTH BOAMBEE VAL | m2 300                  |
| 237204 ELLIS CRES (150m)             | FROM: Crn Of Lophostemon Sr TO: House No 14                       | NORTH BOAMBEE VAL | m2 300                  |
| 237204 ELLIS CRES (150m)             | FROM: Crn Of Lophostemon Sr TO: House No 14                       | NORTH BOAMBEE VAL | m2 150                  |
| 237204 ELLIS CRES (150m)             | FROM: Crn Of Lophostemon Sr TO: House No 14                       | NORTH BOAMBEE VAL | m2 300                  |
| 237204 ELLIS CRES (150m)             | FROM: Crn Of Lophostemon Sr TO: House No 14                       | NORTH BOAMBEE VAL | m2 300                  |
| 236781 PACIFIC HWY (150.1m)          | FROM: Crn Of Halls Rd TO: House No 168 (Big Windmill)             | NORTH BOAMBEE VAL | m 450                   |
| 236781 PACIFIC HWY (150.1m)          | FROM: Crn Of Halls Rd TO: House No 168 (Big Windmill)             | NORTH BOAMBEE VAL | m2 300                  |
| 236781 PACIFIC HWY (150.1m)          | FROM: Crn Of Halls Rd TO: House No 168 (Big Windmill)             | NORTH BOAMBEE VAL | m2 1,200                |
| 236781 PACIFIC HWY (150.1m)          | FROM: Crn Of Halls Rd TO: House No 168 (Big Windmill)             | NORTH BOAMBEE VAL | m2 300                  |
| 236780 PACIFIC HWY (248.2m)          | FROM: House No 168 (Big Windmill) TO: Up The Hill                 | COFFS HARBOUR     | m2 1,350                |
| 236778 BELLINGEN RD (305.9m)         | FROM: Starts at Azalea TO: Bellingen Rd 306m                      | COFFS HARBOUR     | m2 1,200                |
| 236778 BELLINGEN RD (305.9m)         | FROM: Starts at Azalea TO: Bellingen Rd 306m                      | COFFS HARBOUR     | m2 1,200                |
| 236778 BELLINGEN RD (305.9m)         | FROM: Starts at Azalea TO: Bellingen Rd 306m                      | COFFS HARBOUR     | m2 900                  |
| 236778 BELLINGEN RD (305.9m)         | FROM: Starts at Azalea TO: Bellingen Rd 306m                      | COFFS HARBOUR     | m2 600                  |
| 237363 BELLINGEN RD (314.4m)         | FROM: House No 44 Bellingen Rd TO: Combine St                     | COFFS HARBOUR     | m2 900                  |
| 236881 ELIZABETH ST (137.2m)         | FROM: Combine St TO: Toormina Place                               | COFFS HARBOUR     | m2 750                  |
| 236881 ELIZABETH ST (137.2m)         | FROM: Combine St TO: Toormina Place                               | COFFS HARBOUR     | m2 300                  |
| 236881 ELIZABETH ST (137.2m)         | FROM: Combine St TO: Toormina Place                               | COFFS HARBOUR     | m2 300                  |
| 236881 ELIZABETH ST (137.2m)         | FROM: Combine St TO: Toormina Place                               | COFFS HARBOUR     | m2 600                  |
| 236881 ELIZABETH ST (137.2m)         | FROM: Combine St TO: Toormina Place                               | COFFS HARBOUR     | m2 300                  |
| 236881 ELIZABETH ST (137.2m)         | FROM: Combine St TO: Toormina Place                               | COFFS HARBOUR     | m2 300                  |
| 237306 MCLEAN ST (110.9m)            | FROM: Crn Of Meadow St TO: Crn Of Azalea Ave                      | COFFS HARBOUR     | m2 150                  |
| 236467 COMBINE ST (158.1m)           | FROM: SAME TO: NUMBER   | COFFS HARBOUR     | m 150                   |
| 236443 COMBINE ST (113.5m)           | FROM: Azalea Ave TO: To Meadow St                                 | COFFS HARBOUR     | m2 300                  |
| 236443 COMBINE ST (113.5m)           | FROM: Azalea Ave TO: To Meadow St                                 | COFFS HARBOUR     | m2 300                  |
| 236443 COMBINE ST (113.5m)           | FROM: Azalea Ave TO: To Meadow St                                 | COFFS HARBOUR     | m2 300                  |
| 236441 COMBINE ST (127.6m)           | FROM: Elizabeth St TO: to Hill St                                 | COFFS HARBOUR     | m2 300                  |
| 236441 COMBINE ST (127.6m)           | FROM: Elizabeth St TO: to Hill St                                 | COFFS HARBOUR     | m 150                   |
| 337156 ELIZABETH ST (295.8m)         |   | COFFS HARBOUR     | m2 150                  |
| 236852 CARDINAL CL-PAHTWAY (34.7m)   | FROM: Next To House No 7 TO: Into The Res                         | COFFS HARBOUR     | hours 300               |
| 236599 CEANOTHUS CL (257.8m)         | FROM: House No 1 TO: House No 24                                  | COFFS HARBOUR     | m2 600                  |
| 236599 CEANOTHUS CL (257.8m)         | FROM: House No 1 TO: House No 24                                  | COFFS HARBOUR     | m2 450                  |
| 237250 GILLON ST (100.2m)            | FROM: House No 11 TO: House No 19                                 | COFFS HARBOUR     | m2 600                  |
| 237253 ROSELANDS DR (178.9m)         | FROM: Crn Of Barnet Close TO: House No 60                         | COFFS HARBOUR     | m2 150                  |
| 237252 BARNET ST/CARRALL CL (184.3m) | FROM: Roselands Dr TO: To Carrall Cl                              | COFFS HARBOUR     | m2 300                  |
| 236484 SHEPHARDS LNE (374.9m)        | FROM: House No 145 TO: House No 167                               | COFFS HARBOUR     | m2 300                  |
| 236617 CORIEDALE DR (49.2m)          | FROM: House No 64 TO: House No 68 Coriedale Dr                    | COFFS HARBOUR     | m2 150                  |
| 236434 HAMPSHIRE CL (67.2m)          | FROM: House No 1 TO: Crn Of Merino Dr                             | COFFS HARBOUR     | m2 750                  |
| 236434 HAMPSHIRE CL (67.2m)          | FROM: House No 1 TO: Crn Of Merino Dr                             | COFFS HARBOUR     | m2 450                  |
| 236855 TREE FERN CL-PATHWA (42.3m)   | FROM: Next To House No 8 TO: Into The Res                         | COFFS HARBOUR     | hours 150               |
| 236846 DONN-PATTERSON DR (303.3m)    | FROM: Griffith Ave TO: Mackays St                                 | COFFS HARBOUR     | m2 300                  |
| 236860 BERYL ST/JACK LADD S (87.7m)  | FROM: Beryl St At House No 116 TO: Outside No 25 Jackl            | COFFS HARBOUR     | hours 150               |
| 236858 JEAN ST (64.7m)               | FROM: House No 11 TO: House No 23                                 | COFFS HARBOUR     | m 150                   |
| 236867 CORAMBA RD (72.2m)            | FROM: House No 34 TO: House No 42                                 | COFFS HARBOUR     | m2 150                  |
| 236869 CORAMBA RD (451.4m)           | FROM: Robin St TO: 30Mtrs Past House No 55                        | COFFS HARBOUR     | m2 300                  |
| 236866 CORAMBA RD (298.4m)           | FROM: House No 42 TO: Lane Way 100 East Of Shephard               | COFFS HARBOUR     | m 150                   |
| 236869 CORAMBA RD (451.4m)           | FROM: Robin St TO: 30Mtrs Past House No 55                        | COFFS HARBOUR     | hours 300               |
| 236869 CORAMBA RD (451.4m)           | FROM: Robin St TO: 30Mtrs Past House No 55                        | COFFS HARBOUR     | hours 300               |
| 236869 CORAMBA RD (451.4m)           | FROM: Robin St TO: 30Mtrs Past House No 55                        | COFFS HARBOUR     | m 150                   |
| 236869 CORAMBA RD (451.4m)           | FROM: Robin St TO: 30Mtrs Past House No 55                        | COFFS HARBOUR     | hours 300               |
| 237142 KORFF ST (32.9m)              | FROM: Korff St Lane TO: Down To The Bridge                        | COFFS HARBOUR     | item 150                |
| 236871 GUNDAGAI ST/SCARBA S (384.4m) | FROM: House No 22A TO: Murdock St                                 | COFFS HARBOUR     | m2 900                  |
| 380479 MARCIA STREET (224m)          | MARCIA STREET   | COFFS HARBOUR     | hours 300               |
| 236567 PACIFIC HWY (20.4m)           | FROM: Crn Of HWY TO: Cnr Of Mastracolas Rd                        | COFFS HARBOUR     | m2 150                  |
| 237349 PACIFIC HWY (157.2m)          | FROM: Turning Lane Into Homebse TO: Crn Of Mastracol              | COFFS HARBOUR     | m2 900                  |
| 237349 PACIFIC HWY (157.2m)          | FROM: Turning Lane Into Homebse TO: Crn Of Mastracol              | COFFS HARBOUR     | m2 750                  |
| 337173 PACIFIC HWY (235.4m)          |   | COFFS HARBOUR     | m2 4,200 100,000 year 9 |

## Appendix 2

|                                    |  |               |        |        |
|------------------------------------|--|---------------|--------|--------|
| 337173 PACIFIC HWY (235.4m)        |  | COFFS HARBOUR | m2     | 7,500  |
| 337173 PACIFIC HWY (235.4m)        |  | COFFS HARBOUR | m2     | 1,500  |
| 337173 PACIFIC HWY (235.4m)        |  | COFFS HARBOUR | m2     | 600    |
| 237348 TALOUMBI RD (58.3m)         | FROM: House No 92 Driveway TO: House No 94 Driveway      | COFFS HARBOUR | m2     | 300    |
| 237114 MYUNA PL (158m)             | FROM: End Of Namoi Place TO: Next To House No 18 Hu      | COFFS HARBOUR | m2     | 1,200  |
| 237345 BRAY ST (75.5m)             | FROM: Michelle Cl TO: To Katherine Cl                    | COFFS HARBOUR | hours  | 150    |
| 237345 BRAY ST (75.5m)             | FROM: Michelle Cl TO: To Katherine Cl                    | COFFS HARBOUR | m      | 150    |
| 236794 BRAY ST (77.7m)             | FROM: Katherine Cl TO: To Frederrick St                  | COFFS HARBOUR | m2     | 750    |
| 236794 BRAY ST (77.7m)             | FROM: Katherine Cl TO: To Frederrick St                  | COFFS HARBOUR | hours  | 150    |
| 236928 BRAY ST (134m)              | FROM: Opp Side Of No 50 TO: Opp Side Of No 40            | COFFS HARBOUR | m2     | 300    |
| 236928 BRAY ST (134m)              | FROM: Opp Side Of No 50 TO: Opp Side Of No 40            | COFFS HARBOUR | m2     | 300    |
| 236928 BRAY ST (134m)              | FROM: Opp Side Of No 50 TO: Opp Side Of No 40            | COFFS HARBOUR | m2     | 300    |
| 236318 BRAY ST (135.3m)            | FROM: 15 Mtrs Pass Bridge West TO: Opp Side Of No 40     | COFFS HARBOUR | m2     | 750    |
| 236318 BRAY ST (135.3m)            | FROM: 15 Mtrs Pass Bridge West TO: Opp Side Of No 40     | COFFS HARBOUR | m2     | 300    |
| 103637 PERRY DRIVE (169.3m)        | FROM: At Play Ground TO: Next To 52 Mackay Rd            | COFFS HARBOUR | item   | 150    |
| 236898 BRAY ST (180.2m)            | FROM: Peter Cl TO: Hooson St                             | COFFS HARBOUR | m      | 150    |
| 236427 HOGBIN DR (381.2m)          | FROM: Crn Of Barcoo Court TO: Start Of Football Oval     | TOORMINA      | hours  | 600    |
| 236427 HOGBIN DR (381.2m)          | FROM: Crn Of Barcoo Court TO: Start Of Football Oval     | TOORMINA      | hours  | 150    |
| 236650 PACIFIC ST (905.1m)         | FROM: Crn Of Coral St TO: House No 95                    | CORINDI BEACH | metres | 180    |
| 237090 HOWARD ST (771.9m)          | FROM: End Of Howard Near Sewage Work TO: End In Cai      | COFFS HARBOUR | m2     | 15,000 |
| 237229 JORDAN ESP (316.1m)         | FROM: End Of Loop Near Sun Dial TO: Head North Towar     | COFFS HARBOUR | m2     | 150    |
| 237224 JORDAN ESP (563.1m)         | FROM: 20Mtrs South Of Sun Dial TO: Boat Ramp Car Park    | COFFS HARBOUR | m2     | 750    |
| 237230 JORDAN ESP (200.9m)         | FROM: From Last Shelter North TO: To Start Of Jetty      | COFFS HARBOUR | m      | 600    |
| 237104 ORLANDO ST (726.5m)         | FROM: From Bridge Under Train Track TO: Along Beach T    | COFFS HARBOUR | m2     | 600    |
| 236817 HOGBIN DR NORTH (215.1m)    | FROM: 200 Mtrs North Of Roundabout TO: Crn Of Prince     | COFFS HARBOUR | m2     | 3,000  |
| 236578 HOGBIN DR NORTH (113.8m)    | FROM: Crn Of Boulwood St Head North TO: 40Mtrs Short     | COFFS HARBOUR | m2     | 7,500  |
| 237376 HOGBIN DR NORTH (124.4m)    | FROM: Prince St Roundabout Head North TO: Crn Of Boul    | COFFS HARBOUR | m2     | 600    |
| 237405 HOGBIN DR NORTH (476.2m)    | FROM: 90Mtrs From Park Beach Rd Roundabout TO: Heac      | COFFS HARBOUR | m2     | 150    |
| 237405 HOGBIN DR NORTH (476.2m)    | FROM: 90Mtrs From Park Beach Rd Roundabout TO: Heac      | COFFS HARBOUR | m2     | 150    |
| 237405 HOGBIN DR NORTH (476.2m)    | FROM: 90Mtrs From Park Beach Rd Roundabout TO: Heac      | COFFS HARBOUR | m2     | 150    |
| 236572 COLUMBUS CCT PWAYS (177.3m) | FROM: End Of Colombus Crn TO: 177Mtrs Into ParkTowa      | COFFS HARBOUR | m2     | 750    |
| 236572 COLUMBUS CCT PWAYS (177.3m) | FROM: End Of Colombus Crn TO: 177Mtrs Into ParkTowa      | COFFS HARBOUR | m2     | 750    |
| 236572 COLUMBUS CCT PWAYS (177.3m) | FROM: End Of Colombus Crn TO: 177Mtrs Into ParkTowa      | COFFS HARBOUR | m2     | 150    |
| 237407 PARK BEACH RD (391.4m)      | FROM: House No 71 TO: Plaza Entrance Eastern side        | COFFS HARBOUR | m2     | 300    |
| 236571 PARK BEACH RD (183.5m)      | FROM: Crn Of HWY North Side TO: Plaza Entrance           | COFFS HARBOUR | m2     | 150    |
| 236571 PARK BEACH RD (183.5m)      | FROM: Crn Of HWY North Side TO: Plaza Entrance           | COFFS HARBOUR | m2     | 300    |
| 237221 PARK BEACH RD (32.9m)       | FROM: East Side Of Walter Morris Cl TO: Crn Of Roundabr  | COFFS HARBOUR | m2     | 450    |
| 237407 PARK BEACH RD (391.4m)      | FROM: House No 71 TO: Plaza Entrance Eastern side        | COFFS HARBOUR | m2     | 300    |
| 237407 PARK BEACH RD (391.4m)      | FROM: House No 71 TO: Plaza Entrance Eastern side        | COFFS HARBOUR | m2     | 1,200  |
| 237407 PARK BEACH RD (391.4m)      | FROM: House No 71 TO: Plaza Entrance Eastern side        | COFFS HARBOUR | m2     | 450    |
| 237407 PARK BEACH RD (391.4m)      | FROM: House No 71 TO: Plaza Entrance Eastern side        | COFFS HARBOUR | m2     | 300    |
| 237407 PARK BEACH RD (391.4m)      | FROM: House No 71 TO: Plaza Entrance Eastern side        | COFFS HARBOUR | m2     | 600    |
| 237407 PARK BEACH RD (391.4m)      | FROM: House No 71 TO: Plaza Entrance Eastern side        | COFFS HARBOUR | m2     | 1,200  |
| 237407 PARK BEACH RD (391.4m)      | FROM: House No 71 TO: Plaza Entrance Eastern side        | COFFS HARBOUR | m2     | 300    |
| 237407 PARK BEACH RD (391.4m)      | FROM: House No 71 TO: Plaza Entrance Eastern side        | COFFS HARBOUR | m2     | 300    |
| 237412 PARK BEACH RD (235.2m)      | FROM: House No 103 TO: West To Northside Shopping Cr     | COFFS HARBOUR | m2     | 300    |
| 237412 PARK BEACH RD (235.2m)      | FROM: House No 103 TO: West To Northside Shopping Cr     | COFFS HARBOUR | m2     | 300    |
| 236952 WEST HIGHT ST (148.3m)      | FROM: Crn Of Gundagai Place TO: Crn Of Murdock St        | COFFS HARBOUR | m2     | 600    |
| 236953 WEST HIGHT ST (581m)        | FROM: Crn Of Gundagai Place TO: House No 33              | COFFS HARBOUR | m2     | 750    |
| 237049 ELBOW ST (46.9m)            | FROM: House No 100 TO: House no 100                      | COFFS HARBOUR | m2     | 3,000  |
| 237236 OCEAN PDE (242.1m)          | FROM: Crn Of Surf Club Road Entrance TO: Head North 2    | COFFS HARBOUR | m2     | 600    |
| 237111 OCEAN PDE (351.6m)          | FROM: Surf Club Road Entrance TO: To Car Park Eastern    | COFFS HARBOUR | m2     | 750    |
| 236320 ORLANDO ST (93.5m)          | FROM: Crn Of Mildura St TO: House No 15                  | COFFS HARBOUR | m2     | 150    |
| 236776 THOMPSONS RD (369.3m)       | FROM: Crn Of Fairway Place TO: Crn Of Raleigh St         | COFFS HARBOUR | m2     | 300    |
| 236776 THOMPSONS RD (369.3m)       | FROM: Crn Of Fairway Place TO: Crn Of Raleigh St         | COFFS HARBOUR | m      | 150    |
| 237422 THOMPSONS RD (188.7m)       | FROM: House No 46 TO: Crn Of Fairway Place               | COFFS HARBOUR | m2     | 300    |
| 237193 THOMPSONS RD (106.1m)       | FROM: Crn Of Aubrey Crs TO: Crn Of Redwood St            | COFFS HARBOUR | m2     | 150    |
| 236588 HARBOUR DR (60.5m)          | FROM: Moore St TO: Nile St Lane                          | COFFS HARBOUR | m2     | 600    |
| 236961 BENT ST (25.6m)             | FROM: Starts At House No 20 TO: Outside House No 20      | COFFS HARBOUR | m2     | 900    |
| 236745 VICTORIA ST (231.6m)        | FROM: House No 54 TO: House No 76                        | COFFS HARBOUR | m2     | 1,200  |
| 236885 VICTORIA ST (220m)          | FROM: Crn Of Dibbs St TO: Crn Of Boambee St              | COFFS HARBOUR | m2     | 750    |
| 236585 HARBOUR DR (259.8m)         | FROM: Dibbs St TO: Boambee St                            | COFFS HARBOUR | m2     | 225    |
| 237097 HIGH ST (63.1m)             | FROM: Crn Of Hogbin Dr TO: Crn Of Barrie St Northern S   | COFFS HARBOUR | m2     | 150    |
| 236751 CURACOA ST (98.8m)          | FROM: Harbour Dr TO: House No 19                         | COFFS HARBOUR | m2     | 750    |
| 337154 ALBANY ST (210.7m)          |  | COFFS HARBOUR | m2     | 750    |
| 236763 EARL ST (118.5m)            | FROM: Bovnille St TO: Avenue St Western Side             | COFFS HARBOUR | m2     | 300    |
| 236754 EARL ST (115.2m)            | FROM: Albany St TO: Bonville St Western Side             | COFFS HARBOUR | m2     | 750    |
| 236754 EARL ST (115.2m)            | FROM: Albany St TO: Bonville St Western Side             | COFFS HARBOUR | m2     | 1,350  |
| 236759 GORDON ST (113.6m)          | FROM: Bonville St TO: Southern Side Of Church CarPark    | COFFS HARBOUR | m2     | 150    |
| 237374 ALBANY ST (158m)            | FROM: 63 Albany TO: Corner Of Earl                       | COFFS HARBOUR | m2     | 900    |
| 236762 MARKET ST (112.3m)          | FROM: Crn Of Albany St Eastern Side TO: Crn Of Little St | COFFS HARBOUR | m      | 300    |
| 236762 MARKET ST (112.3m)          | FROM: Crn Of Albany St Eastern Side TO: Crn Of Little St | COFFS HARBOUR | m2     | 900    |
| 236764 GRAFTON ST (255m)           | FROM: Albany St TO: Market St                            | COFFS HARBOUR | m2     | 750    |
| 236761 DALLEY ST (94.5m)           | FROM: Albany St TO: Little St East Side                  | COFFS HARBOUR | m      | 150    |

## Appendix 2

|                                    |  |               |        |         |         |         |
|------------------------------------|--|---------------|--------|---------|---------|---------|
| 236761 DALLEY ST (94.5m)           | FROM: Albany St TO: Little St East Side                | COFFS HARBOUR | m2     | 450     |         |         |
| 236761 DALLEY ST (94.5m)           | FROM: Albany St TO: Little St East Side                | COFFS HARBOUR | m      | 150     |         |         |
| 236451 SAWTELL RD (285.7m)         | FROM: Crn Of Wirrabilla Dr TO: Crn Of Toormina Rd      | TOORMINA      | m2     | 300     |         |         |
| 337167 BORONIA ST (177.1m)         |  | SAWTELL       | m2     | 300     |         |         |
| 237380 FIRST AVE (165m)            | FROM: Twenty First Ave TO: Eighteenth Ave              | SAWTELL       | m2     | 750     |         |         |
| 337162 ELEVENTH AVE (78.1m)        |  | SAWTELL       | m2     | 300     |         |         |
| 236470 ELIZABETH ST (387.9m)       | FROM: Eleventh Ave TO: Second Ave Eastern side         | SAWTELL       | m2     | 150     |         |         |
| 236356 ALEXANDRA CRT (94.9m)       | FROM: 5A Alexandra Crt TO: 26 Bangalow Terrace         | SAWTELL       | metres | 150     |         |         |
| 236411 AMAROO/JEMALONG (106.2m)    | FROM: 35 Amaroo Cr TO: 25 Jemalong Cr                  | TOORMINA      | m2     | 300     |         |         |
| 236411 AMAROO/JEMALONG (106.2m)    | FROM: 35 Amaroo Cr TO: 25 Jemalong Cr                  | TOORMINA      | m2     | 300     |         |         |
| 236412 JEMALONG/KINTORIE (109.2m)  | FROM: Next To House 30 Jemalong TO: Next To 17 Kinto   | TOORMINA      | m2     | 300     |         |         |
| 236414 MIRROOLA CRES (39.3m)       | FROM: Next To House No 24 TO: Into The Res             | TOORMINA      | m2     | 450     |         |         |
| 236343 ANDERSON ST (224.7m)        | FROM: Hobbs Cr South side TO: To Hobbs Cr South side   | TOORMINA      | metres | 150     |         |         |
| 236333 HOBBS CR (196.6m)           | FROM: Crn Of Graff Ave TO: House No 44                 | TOORMINA      | metres | 150     |         |         |
| 236345 HULBERTS LN (156.9m)        | FROM: Next To House No 2 Tait Close TO: Next To House  | TOORMINA      | metres | 150     |         |         |
| 237087 DEWS AVE (209.1m)           | FROM: Next To House No 59 TO: Into Res Ends Near Pres  | TOORMINA      | m2     | 1,200   |         |         |
| 237087 DEWS AVE (209.1m)           | FROM: Next To House No 59 TO: Into Res Ends Near Pres  | TOORMINA      | m2     | 600     |         |         |
| 236367 FRIENDSHIP CL (109.7m)      | FROM: Next To House No 7 TO: House No 8 Soren Larser   | BOAMBEE EAST  | m2     | 750     |         |         |
| 236371 EGRET CL (75.4m)            | FROM: Next To House No 10 TO: Next To House No 26 H    | BOAMBEE EAST  | metres | 150     |         |         |
| 236373 SUNRISE DR (249.3m)         | FROM: Next To House No 38 TO: Head Toward Water To     | TOORMINA      | hours  | 150     |         |         |
| 236374 WOODSWALLOW CL (72.1m)      | FROM: House No 14 TO: House No 16 Kookaburra Close     | BOAMBEE EAST  | m2     | 750     |         |         |
| 236374 WOODSWALLOW CL (72.1m)      | FROM: House No 14 TO: House No 16 Kookaburra Close     | BOAMBEE EAST  | m2     | 900     |         |         |
| 236374 WOODSWALLOW CL (72.1m)      | FROM: House No 14 TO: House No 16 Kookaburra Close     | BOAMBEE EAST  | m2     | 1,200   |         |         |
| 236374 WOODSWALLOW CL (72.1m)      | FROM: House No 14 TO: House No 16 Kookaburra Close     | BOAMBEE EAST  | m2     | 1,500   |         |         |
| 236641 WORLAND DR (390.9m)         | FROM: House No 25 TO: Crn Of Lambert Rd                | BOAMBEE EAST  | m2     | 150     |         |         |
| 236380 CORDWELL GROVE (68.1m)      | FROM: Next To House No 18 TO: Into The Res             | BOAMBEE EAST  | m2     | 300     |         |         |
| 236378 JABIRU CT (176.4m)          | FROM: Next To House No 11 TO: House No 17 Kestrel Pla  | BOAMBEE EAST  | m2     | 900     |         |         |
| 236377 NIGHTJAR PL (65m)           | FROM: Next To House No 6 TO: Next To House No 5 Pitta  | BOAMBEE EAST  | m2     | 600     |         |         |
| 236377 NIGHTJAR PL (65m)           | FROM: Next To House No 6 TO: Next To House No 5 Pitta  | BOAMBEE EAST  | m2     | 750     |         |         |
| 236384 WHIPBIRD PL (76.9m)         | FROM: Next To House No 5 TO: House No 39 Wedgetail C   | BOAMBEE EAST  | m2     | 900     |         |         |
| 236384 WHIPBIRD PL (76.9m)         | FROM: Next To House No 5 TO: House No 39 Wedgetail C   | BOAMBEE EAST  | m2     | 750     |         |         |
| 337140 LILLY PILLY TCE (43.5m)     |  | BOAMBEE EAST  | m2     | 750     |         |         |
| 236402 CORRIGAN/ HESKETT (79.2m)   | FROM: Next To No 24 Corrigan Ave TO: House No 6 Hesi   | TOORMINA      | m2     | 300     |         |         |
| 236401 BARDSELEY/ MAKINSON (89.3m) | FROM: Bardsley St opp No 10 TO: Makinson Cl next to No | TOORMINA      | m2     | 300     |         |         |
| 236398 KINCHELA AVE (40.5m)        | FROM: House No 35 TO: Into The Res                     | TOORMINA      | m2     | 300     |         |         |
| 236459 DUNLOP DR (380.2m)          | FROM: House No 11 TO: House No 37 The Whole Loop       | BOAMBEE EAST  | m2     | 300     |         |         |
| 236657 BRUCE KING DR (418.1m)      | FROM: Linden Ave TO: Community Village                 | BOAMBEE EAST  | metres | 150     |         |         |
| 236657 BRUCE KING DR (418.1m)      | FROM: Linden Ave TO: Community Village                 | BOAMBEE EAST  | metres | 150     |         |         |
| 236836 LADY BELMORE DR-PATH (122.3 | FROM: Beside House No 40 TO: Into Res Past Dam To Kic  | TOORMINA      | m2     | 750     |         |         |
| 236659 LADY BELMORE DR (333.8m)    | FROM: House No 51 TO: Crn Of Linden Ave                | BOAMBEE EAST  | metres | 150     |         |         |
| 236385 SILVEREYE CL (74.6m)        | FROM: Next To House No 20 TO: Next To House No 12 Lc   | BOAMBEE EAST  | m2     | 600     |         |         |
| 236385 SILVEREYE CL (74.6m)        | FROM: Next To House No 20 TO: Next To House No 12 Lc   | BOAMBEE EAST  | m2     | 600     |         |         |
| 236383 BRONZEWING PL (83.6m)       | FROM: Bronzewing Pl No 7 TO: Wedgetail Cr No 10        | BOAMBEE EAST  | m2     | 900     |         |         |
| 236383 BRONZEWING PL (83.6m)       | FROM: Bronzewing Pl No 7 TO: Wedgetail Cr No 10        | BOAMBEE EAST  | m2     | 750     |         |         |
| 236383 BRONZEWING PL (83.6m)       | FROM: Bronzewing Pl No 7 TO: Wedgetail Cr No 10        | BOAMBEE EAST  | m2     | 750     |         |         |
| 236351 EUNGELLA ST (94.9m)         | FROM: House No 6 TO: House No 12                       | TOORMINA      | m2     | 750     |         |         |
| 236351 EUNGELLA ST (94.9m)         | FROM: House No 6 TO: House No 12                       | TOORMINA      | metres | 150     |         |         |
| 103613 JANE CIRCUIT (323.2m)       | FROM: 50Mtr Off Cavanba Rd TO: Next To House No 17     | TOORMINA      | m2     | 150     |         |         |
| 103613 JANE CIRCUIT (323.2m)       | FROM: 50Mtr Off Cavanba Rd TO: Next To House No 17     | TOORMINA      | metres | 150     |         |         |
| 237170 AMAROO CR (419.5m)          | FROM: 50M Down Nariah Northside TO: 420m In Res rear   | TOORMINA      | m2     | 300     |         |         |
| 237170 AMAROO CR (419.5m)          | FROM: 50M Down Nariah Northside TO: 420m In Res rear   | TOORMINA      | metres | 150     |         |         |
| 237170 AMAROO CR (419.5m)          | FROM: 50M Down Nariah Northside TO: 420m In Res rear   | TOORMINA      | metres | 150     |         |         |
| 236914 TOORMINA RD (93.6m)         | FROM: Crn Of Bangalee Crs TO: Crn Of Amaroo Crs        | TOORMINA      | m2     | 750     |         |         |
| 237403 AMAROO CR (395.5m)          | FROM: Nariah Cr TO: To Toormina Rd                     | TOORMINA      | metres | 150     |         |         |
| 236410 BANGALEE CR (275.2m)        | FROM: Roby Pl TO: To Toormina Rd                       | TOORMINA      | metres | 150     |         |         |
| 236913 TOORMINA RD (107.2m)        | FROM: Crn Of Coorabin Crs TO: Crn Of Bangalee Crs      | TOORMINA      | metres | 150     |         |         |
| 236916 TOORMINA RD (192.9m)        | FROM: Crn Of Minorie Dr TO: Opp House No 14            | TOORMINA      | metres | 150     |         |         |
| 237398 TOORMINA RD (836.1m)        | FROM: Crn Of Linden Ave TO: 15Mtrs South Of House No   | TOORMINA      | m2     | 300     |         |         |
| 237397 TOORMINA RD (336.4m)        | FROM: Crn Of Mirroola Crs TO: 15 Mtrs South Of House N | TOORMINA      | m2     | 300     |         |         |
| 237397 TOORMINA RD (336.4m)        | FROM: Crn Of Mirroola Crs TO: 15 Mtrs South Of House N | TOORMINA      | m2     | 225     |         |         |
| 237397 TOORMINA RD (336.4m)        | FROM: Crn Of Mirroola Crs TO: 15 Mtrs South Of House N | TOORMINA      | m2     | 300     |         |         |
| 337157 TOORMINA RD (482.3m)        |  | TOORMINA      | m2     | 150     |         |         |
| 236364 SHELTON CL (127.5m)         | FROM: Next To House No 14 TO: Lyons Rd                 | TOORMINA      | m2     | 300     |         |         |
| 236357 LYONS RD (250.5m)           | FROM: Crn Of Mcfadyn St TO: Rear Of 56 Bower Crs       | TOORMINA      | m2     | 150     |         |         |
| 236355 BANGALOW TCE (92.4m)        | FROM: Beside No 9 Bangalow Tce TO: Lyons rd            | SAWTELL       | m2     | 1,500   |         |         |
| 337019 SECOND AVE S (41m)          |  | SAWTELL       | m2     | 300     |         |         |
| 337170 LYONS RD (150.8m)           |  | SAWTELL       | m2     | 300     |         |         |
| 337170 LYONS RD (150.8m)           |  | SAWTELL       | m2     | 1,500   |         |         |
| 337170 LYONS RD (150.8m)           |  | SAWTELL       | m2     | 450     |         |         |
| 236906 BORONIA ST (34.4m)          | FROM: TO: SAME NUMBER                                  | SAWTELL       | metres | 600     |         |         |
| 337114 ARRAWARRA HDLND RD (893m)   |  | MULLAWAY      | m2     | 189,000 | 200,000 | year 10 |
| 236650 PACIFIC ST (905.1m)         | FROM: Crn Of Coral St TO: House No 95                  | CORINDI BEACH | m2     | 2,100   |         |         |
| 236651 CORAL ST (223.6m)           | FROM: Pacific St TO: Red Rock Rd                       | CORINDI BEACH | m2     | 450     |         |         |

## Appendix 2

### 10 year guardrail renewal program

| Category Name     | Asset Number | Road Name          | Condition Index | Replacement Cost | available funds with srv \$   | year    |
|-------------------|--------------|--------------------|-----------------|------------------|---|---------|
| Guard Rails (alh) | 236192       | HOGBIN DR          | 4.5             | \$10,927         | 30,000  | year 1  |
| Guard Rails (alh) | 236193       | HOGBIN DR          | 4.5             | \$13,112         |   |         |
| Guard Rails (alh) | 236245       | ISLAND LOOP RD NTH | 4.5             | \$9,179          | 60,000  | year 2  |
| Guard Rails (alh) | 236246       | ISLAND LOOP RD NTH | 4.5             | \$8,742          |   |         |
| Guard Rails (alh) | 236182       | LOWER BUCCA ROAD   | 4               | \$71,681         | 110,000   | year 3  |
| Guard Rails (alh) | 236230       | OLD BUCCA RD       | 4               | \$30,596         |   |         |
| Guard Rails (alh) | 236249       | CORAMBA RD         | 3               | \$32,344         | 110,000   | year 4  |
| Guard Rails (alh) | 236250       | CORAMBA RD         | 3               | \$158,223        |   |         |
| Guard Rails (alh) | 236151       | EASTBANK RD        | 3               | \$9,179          | 110,000   | year 5  |
| Guard Rails (alh) | 236152       | EASTBANK RD        | 3               | \$14,861         |   |         |
| Guard Rails (alh) | 236203       | FOURTH AVE         | 3               | \$3,497          |   |         |
| Guard Rails (alh) | 236167       | MANNING AVE        | 3               | \$5,682          |   |         |
| Guard Rails (alh) | 236208       | SHEPHARDS LANE     | 3               | \$20,980         |   |         |
| Guard Rails (alh) | 236125       | CORAMBA RD         | 2               | \$100,091        | 110,000   | year 6  |
| Guard Rails (alh) | 236126       | CORAMBA RD         | 2               | \$129,813        | 110,000   | year 7  |
| Guard Rails (alh) | 236204       | CORAMBA RD         | 2               | \$34,966         | 110,000   | year 8  |
| Guard Rails (alh) | 236214       | CORAMBA RD         | 2               | \$162,594        | 110,000   | year 9  |
| Guard Rails (alh) | 236215       | CORAMBA RD         | 2               | \$13,987         |   |         |
| Guard Rails (alh) | 236217       | CORAMBA RD         | 2               | \$27,973         |   |         |
| Guard Rails (alh) | 236218       | CORAMBA RD         | 2               | \$62,940         | 110,000   | year 10 |
| Guard Rails (alh) | 236221       | CORAMBA RD         | 2               | \$32,344         |   |         |
| Guard Rails (alh) | 236222       | CORAMBA RD         | 2               | \$67,310         |   |         |
| Guard Rails (alh) | 236209       | JAMES SMALL DR     | 2               | \$5,245          |   |         |
| Guard Rails (alh) | 236210       | JAMES SMALL DR     | 2               | \$5,682          |   |         |
| Guard Rails (alh) | 236144       | LOWER BUCCA ROAD   | 2               | \$10,927         | note: without the<br>srv, no guard rail<br>could be replaced<br>without grant or<br>other funding |         |
| Guard Rails (alh) | 236145       | LOWER BUCCA ROAD   | 2               | \$10,490         |   |         |
| Guard Rails (alh) | 236146       | LOWER BUCCA ROAD   | 2               | \$18,357         |   |         |
| Guard Rails (alh) | 236147       | LOWER BUCCA ROAD   | 2               | \$17,046         |   |         |
| Guard Rails (alh) | 236148       | LOWER BUCCA ROAD   | 2               | \$14,424         |   |         |
| Guard Rails (alh) | 236180       | LOWER BUCCA ROAD   | 2               | \$59,006         |   |         |
| Guard Rails (alh) | 236181       | LOWER BUCCA ROAD   | 2               | \$52,887         |   |         |
| Guard Rails (alh) | 236238       | MOUNT BROWNE RD    | 2               | \$5,245          |   |         |
| Guard Rails (alh) | 236239       | MOUNT BROWNE RD    | 2               | \$5,682          |   |         |
| Guard Rails (alh) | 236120       | PACIFC HWY         | 2               | \$6,993          |   |         |
| Guard Rails (alh) | 236121       | PACIFC HWY         | 2               | \$28,847         |   |         |
| Guard Rails (alh) | 236123       | SAWTELL RD         | 2               | \$36,278         |   |         |
| Guard Rails (alh) | 236206       | SHEPHARDS LANE     | 2               | \$2,622          |   |         |
| Guard Rails (alh) | 236168       | CENTRAL BUCCA RD   | 1               | \$14,424         |   |         |
| Guard Rails (alh) | 236169       | CENTRAL BUCCA RD   | 1               | \$13,987         |   |         |
| Guard Rails (alh) | 236170       | CENTRAL BUCCA RD   | 1               | \$3,934          |   |         |
| Guard Rails (alh) | 236171       | CENTRAL BUCCA RD   | 1               | \$3,497          |   |         |
| Guard Rails (alh) | 236172       | CENTRAL BUCCA RD   | 1               | \$27,099         |   |         |
| Guard Rails (alh) | 236173       | CENTRAL BUCCA RD   | 1               | \$34,092         |   |         |
| Guard Rails (alh) | 236174       | CENTRAL BUCCA RD   | 1               | \$17,046         |   |         |
| Guard Rails (alh) | 236175       | CENTRAL BUCCA RD   | 1               | \$79,986         |   |         |
| Guard Rails (alh) | 236198       | COFFS              | 1               | \$57,695         |   |         |
| Guard Rails (alh) | 236199       | COFFS              | 1               | \$1,748          |   |         |
| Guard Rails (alh) | 236200       | COFFS              | 1               | \$20,980         |   |         |
| Guard Rails (alh) | 236312       | COFFS              | 1               | \$20,543         |   |         |
| Guard Rails (alh) | 236127       | CORAMBA RD         | 1               | \$58,569         |   |         |
| Guard Rails (alh) | 236128       | CORAMBA RD         | 1               | \$35,403         |   |         |
| Guard Rails (alh) | 236129       | CORAMBA RD         | 1               | \$16,172         |   |         |