



Australian Government

Department of Industry, Science, Energy and Resources

Department of the Prime Minister and Cabinet

Grant Opportunity Guidelines

Black Summer Bushfire Recovery Grants Program

Opening date:	22 July 2021
Closing date and time:	5.00pm Australian Eastern Standard Time on 2 September 2021 Please take account of time zone differences when submitting your application.
Commonwealth policy entity:	National Recovery and Resilience Agency
Administering entity:	Department of Industry, Science, Energy and Resources
Enquiries:	If you have any questions, contact us on BSBR@industry.gov.au or 13 28 46.
Date guidelines released:	1 July 2021
Type of grant opportunity:	Open competitive

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1. Black Summer Bushfire Recovery Grants processes

The Black Summer Bushfire Recovery Grants program is designed to achieve Australian Government objectives

This grant opportunity is part of the above grant program which contributes to the National Recovery and Resilience Agency's Outcome 1. The National Recovery and Resilience Agency works with stakeholders to plan and design the grant program according to the [Commonwealth Grants Rules and Guidelines](#)



The grant opportunity opens

We publish the grant guidelines on business.gov.au and GrantConnect.



You complete and submit a grant application

You complete the application form, addressing all the eligibility and assessment criteria in order for your application to be considered.



We assess all grant applications

We review the applications against eligibility criteria and notify you if you are not eligible. We assess eligible applications against the assessment criteria including an overall consideration of value with relevant money and compare it to other eligible applications.



We make grant recommendations

We provide advice to the decision maker on the merits of each application.



Grant decisions are made

The decision maker decides which applications are successful.



We notify you of the outcome

We advise you of the outcome of your application. We may not notify unsuccessful applicants until grant agreements have been executed with successful applicants.



We enter into a grant agreement

We will enter into a grant agreement with successful applicants. The type of grant agreement is based on the nature of the grant and proportional to the risks involved.



Delivery of grant

You undertake the grant activity as set out in your grant agreement. We manage the grant by working with you, monitoring your progress and making payments.



Evaluation of the Black Summer Bushfires Recovery Grants Program

We evaluate the specific grant activity and Black Summer Bushfire Recovery Grants program as a whole. We base this on information you provide to us and that we collect from various sources.

2. About the National Bushfire Recovery Fund

The Australian Government has committed over \$2 billion to the National Bushfire Recovery Fund to support communities impacted by the 2019-20 bushfires. As part of this support, the \$276 million Black Summer Bushfire Recovery Grants program will address community priorities for recovery.

2.1. About the Black Summer Bushfire Recovery grant opportunity

These guidelines contain information about the Black Summer Bushfire Recovery Grants program grant opportunity that will run from 2021-22 to 2023-24.

The objective of this grant opportunity is to support the recovery efforts of communities in eligible Local Government Areas (LGAs) affected by the 2019-20 bushfires and enables them to apply for projects that address community recovery needs within their own timeframes.

The Australian Government will directly fund successful applicants to conduct a range of projects designed to support the social and economic recovery, and restoration of the built environment in those communities.

The objectives of the grant opportunity are to:

- support recovery and resilience of communities impacted by the 2019-20 bushfires, and
- build stronger communities by supporting social, economic and built environment recovery.

The intended outcomes of the grant opportunity are to:

- empower local communities to address bushfire recovery priorities, including through creation of jobs, sustainable infrastructure and community investment targeted at the specific needs of the community, and
- rebuild and grow the economy of the local communities impacted by the bushfires.

The Black Summer Bushfire Recovery Grants program will complement and build on bushfire recovery activities implemented by communities since the 2019-20 bushfires, including projects supported through Local Economic Recovery funding.

Projects previously submitted for funding under other programs, but have not been successful in receiving funding, may apply for support under this grant opportunity.

This document sets out:

- the eligibility and assessment criteria
- how we consider and assess grant applications
- how we notify applicants and enter into grant agreements with grantees
- how we monitor and evaluate grantees' performance
- responsibilities and expectations in relation to the opportunity.

The Department of Industry, Science, Energy and Resources (the department) is responsible for administering this grant opportunity on behalf of the National Recovery and Resilience Agency.

We have defined key terms used in these guidelines in the glossary at Section 15.

You should read this document carefully before you fill out an application.

We administer the program according to the [Commonwealth Grants Rules and Guidelines](#) (CGRGs)¹.

¹ <https://www.finance.gov.au/government/commonwealth-grants/commonwealth-grants-rules-guidelines>

3. Grant amount and grant period

For this grant opportunity approximately \$276 million is available over three years from 2021-22 to 2023-24.

3.1. Grants available

The grant amount will be up to 100 per cent of eligible project expenditure (grant percentage).

- The minimum grant amount is \$20,000.
- The maximum grant amount is \$10 million.

You may seek additional contributions from third parties for your project. These do not count toward the minimum or maximum grant amount.

We cannot fund your project if it has already received funding from another Commonwealth, state, territory or local government grant for the same activities. You can apply for funding under other programs but if you are successful, you need to decide under which program you wish to be funded.

3.2. Project Period

You must complete your project by 31 March 2024.

4. Eligible locations

4.1. Eligible Local Government Areas

You can only undertake eligible activities in the Local Government Areas (LGAs) listed at Appendix A. These LGAs have been declared as eligible for assistance under the Disaster Recovery Funding Arrangements for the 2019-20 bushfires.

Each eligible LGA has the opportunity to receive a share of the funding based on the relative impact of, and economic exposure associated with, the 2019-20 bushfires.

While many LGAs that have been impacted by the 2019-20 bushfires have also been impacted by other disasters including COVID-19 and floods, the Black Summer Bushfire Recovery Grants are intended to address community bushfire recovery priorities. Other programs may be available to support recovery from COVID-19 and other natural disasters.

4.2. Funding per eligible Local Government Area

A funding envelope has been allocated to each eligible LGA to ensure all LGAs have the opportunity to receive funding. Each eligible LGA has been assigned to one of two categories based on the impact of the bushfires on the LGA (also at Appendix A):

- Category 1: a funding envelope of up to \$4.5 million per LGA.
- Category 2: a funding envelope of up to \$1.6 million per LGA.

This allocation will ensure equity between applicants and eligible LGAs as well as geographical spread from the order of ranking.

The highest ranked project(s) in each LGA will be recommended for funding until the funding envelope is reached. Projects may not receive the full grant amount requested.

If an LGA does not have sufficient meritorious applications within the funding envelope, unallocated funding will be pooled. Remaining meritorious projects will be recommended for funding from the pool in order of ranking until grant funds are exhausted, this could include providing additional

funding for projects already approved for another LGA where the maximum funding has not been reached.

If the project is located in multiple LGAs the amount of funding assigned to the LGA would be commensurate with the cost of activities being undertaken within the LGA.

5. Eligibility criteria

We cannot consider your application if you do not satisfy all eligibility criteria.

5.1. Who is eligible to apply for a grant?

To be eligible you must:

- have an Australian Business Number (ABN)

and be one of the following entities:

- an entity incorporated in Australia
- a company limited by guarantee
- an incorporated association
- an incorporated not for profit organisation
- a non-distributive co-operative
- an incorporated trustee on behalf of a trust
- an Aboriginal and/or Torres Strait Islander Corporation registered under the [Corporations \(Aboriginal and Torres Strait Islander\) Act 2006](#)
- an Australian local governing agency or body as defined in Section 15 (for example, a Council)
- an Australian Capital Territory government agency or body.

Joint applications are acceptable, provided you have a lead organisation who is the main driver of the project and is eligible to apply. For further information on joint applications, refer to Section 8.2.

5.2. Additional eligibility requirements

Project activities must be undertaken in an LGA that has been declared as eligible for assistance under the Disaster Recovery Funding Arrangements (DRFA) for the 2019-20 bushfires. Individual projects may include activities that are undertaken in multiple eligible LGAs. Eligible LGAs are listed in Appendix A.

We cannot waive the eligibility criteria under any circumstances.

5.3. Who is not eligible?

You are not eligible to apply if you are:

- an entity not included in Section 5.1
- an individual
- a partnership
- a trust (however, an incorporated trustee may apply on behalf of a trust)
- a Commonwealth or state government agency or body (including government business enterprises) with the exception of those entities referred to in Section 5.1
- a Regional Development Australia Committee

- an organisation, or your project partner is an organisation, included on the National Redress Scheme's website on the list of 'Institutions that have not joined or signified their intent to join the Scheme' (www.nationalredress.gov.au)
- an organisation that has been named by the Workplace Gender Equality Agency as an organisation that has not complied with [Workplace Gender Equality Act 2012](#).

5.4. What qualifications or skills are required?

If you are successful, relevant personnel working on the project must maintain relevant registration/checks appropriate to the project, such as the following:

- Working with Children check
- Working with Vulnerable People registration.

6. What the grant money can be used for

6.1. Eligible activities

To be eligible for a grant your project must:

- be aimed at supporting community recovery or resilience from the 2019-20 bushfires
- be delivered in one or more eligible LGAs listed in Appendix A
- include eligible activities consistent with project activities listed below
- have at least \$20,000 in eligible expenditure.

Your project must address one or more of the following kinds of recovery or resilience needs:

- **social recovery and resilience** - for example, community development programs and activities to help affected individuals and communities to reconnect and support mental and physical wellbeing and recovery from the immediate effects of the bushfires
- **economic recovery and resilience** - for example, projects that help the community (and not just an individual business) to recover from the immediate economic impact of the bushfires by boosting employment and industries in eligible LGAs impacted by the fires
- **recovery and resilience of the built environment** - for example, projects to rebuild infrastructure damaged by the bushfires.

Your project must satisfy one or more of the following criteria in order to receive funding:

- address an urgent and unmet need resulting directly from the 2019-20 bushfires
- enhance the cultural life of the community
- preserve or increase employment
- help to mitigate climate-related risk and damage
- address the health impacts of the bushfires
- benefit of Indigenous people or communities
- protect or promote interstate and overseas trade and commerce, such as tourism related activities or rebuilding infrastructure between states and territories to facilitate commercial activities.
- be delivered through a relevant communications service such as the delivery of an online counselling service or business advisory service to local businesses affected by the bushfires

- involve meteorological observations or statistical collection and analysis, this can include the design of early warning or risk-monitoring systems or research into bushfire recovery.
- relate to insurance, such as projects involving mitigating or resilience activities to reduce the risk of bush fire damage in the community or an activity with a clear commitment from your insurer that the project may improve insurance affordability
- run by a local council
- undertaken in the Australian Capital Territory.

For further details regarding eligible projects, refer to Appendix B.

6.2. Eligible expenditure

You can only spend grant funds on eligible expenditure you have incurred on an agreed project as defined in your grant agreement.

To be eligible, expenditure must:

- be a direct cost of the project
- be incurred by you for required project audit activities.

You must incur the project expenditure between the project start and end date for it to be eligible unless stated otherwise.

Eligible expenditure items may include:

- purchase (or hire or lease) of equipment and materials to support eligible project activities for example, building materials, ICT cabling, fit out of the infrastructure, fixed furniture, landscaping
- salaries and on-costs for personnel directly employed in delivering the project activities (this should be calculated on a pro-rata basis relative to their time commitment). This excludes project management or project co-ordination costs which are covered under administrative support below
- staff training that directly supports the achievement of project outcomes (maximum 5 per cent of the grant)
- contract expenditure, the cost of any agreed project activities that you contract to others directly relating to the program objectives
- external labour and external consulting expenditure to cover the cost of contracting others to undertake core elements of the project related to construction and may include architect services, design services, project management, quantity surveying and building services
- workshops and conferences, including venue hire, catering and networking costs
- community events, including exhibitions and cultural heritage events
- building modifications where you own the modified asset and the modification is required to undertake the project
- contingency costs up to a maximum of 10 per cent of the eligible project costs. Note that we make payments based on actual costs incurred
- domestic travel to and from the on-ground location limited to the reasonable cost of accommodation and transportation required to conduct the agreed project activities
- administrative support and overheads additional to the normal day to day running costs of the organisation, including project management or project co-ordination (maximum 10 per cent of the grant)

- costs you incur in order to obtain planning, environmental or other regulatory approvals during the project period. However, associated fees paid to the Commonwealth, state, territory and local governments are not eligible
- financial auditing of project expenditure
- reporting on project outcomes (maximum 5 per cent of the grant).

You are encouraged to use local materials, suppliers and labourers, where possible.

We may update the guidance on eligible and ineligible expenditure from time to time. If your application is successful, the version in place when you submitted your application applies to your project.

If your application is successful, we may ask you to verify project costs that you provided in your application. You may need to provide evidence such as quotes for major costs.

Not all expenditure on your project may be eligible for grant funding. The Program Delegate (who is a manager within the department with responsibility for the program) makes the final decision on what is eligible expenditure and may give additional guidance on eligible expenditure if required.

You may elect to commence your project from the date we notify you that your application is successful. We are not responsible for any expenditure you incur until such time as a grant agreement is executed. The Commonwealth will not be liable, and should not be held out as being liable, for any activities undertaken before the grant agreement is executed.

6.3. What you cannot use the grant for

Expenditure items that are not eligible include:

- projects that replace, restore, or improve the natural environment including wildlife and habitat
- purchase of land or existing infrastructure, including the costs associated with sub-division of land
- repair or replacement of existing infrastructure where there is no demonstrated significant increase in benefit to the community
- purchase and installation of manufacturing equipment
- ongoing operating costs, including utilities
- ICT equipment, including software or hardware that is not an integral part of the funded infrastructure project
- payment of salaries for the applicant's employees where the activity is not directly related to the project
- project overhead items including office equipment, vehicles or mobile capital equipment. Examples include trucks and earthmoving equipment and the applicant's internal plant operating costs
- business case development and feasibility studies
- costs related to registered training organisation training activities
- business as usual operational expenses, including communications, accommodation, office computing facilities, printing and stationery, postage, legal and accounting fees and bank charges
- writing the application and reporting for the grant
- making donations, gifts and sponsorships

- pre-construction activities, including architect services, design, surveying, planning, environmental or other regulatory approvals, that exceed 20 per cent of the total eligible project expenditure
- fees paid to the Commonwealth, state, territory and local governments to obtain planning, environmental or other regulatory approvals.

This list is not exhaustive and applies only to the expenditure of the grant funds. Other costs may be ineligible where the Program Delegate determines they do not directly support the achievement of the planned outcomes for the project or, they are contrary to the objective of the program.

You must ensure you have adequate funds to meet the costs of any ineligible expenditure associated with the project.

7. The assessment criteria

You must address all assessment criteria in your application. We will then assess your application based on the assessment criteria below.

The application form asks questions that relate to the assessment criteria below. The amount of detail and supporting evidence you provide in your application should be relative to the project size, complexity and grant amount requested. You should provide evidence to support your answers. The application form displays word and size (of file) limits for answers.

We will only consider funding applications that score at least 50 per cent against each assessment criterion, as these represent best value for money.

7.1. Assessment criterion 1

How your project will assist in community recovery from the 2019-20 bushfires (50 points)

You must demonstrate this by describing:

- a. how your project addresses the recovery or resilience needs of the community directly related to impacts of the 2019-20 bushfires through the adoption of/or investment in one or more of the following:
 - **social recovery and resilience needs** of the local community may include supporting mental and physical wellbeing and recovery, improving community connections and social inclusion through community development activities, cultural events and workshops, protecting local heritage and addressing disadvantage within the community, preserving Aboriginal cultural heritage and supporting Indigenous communities through activities, workshops and events.
 - **economic recovery and resilience needs** of the region may include job creation, new businesses, tourism and supporting local producers and suppliers. Projects must support communities, not just individual businesses or organisations.
 - **recovery and resilience of the built environment needs** may include the improvement or extension of existing infrastructure in a manner that drives economic growth, creates jobs and makes the affected LGA or broader region a more attractive place to live or visit.
- b. how your project complements, builds on and does not duplicate existing or planned 2019-20 bushfire recovery efforts in the community.
- c. the broader benefits that your project will deliver for the region and the community.

7.2. Assessment criterion 2

Capacity, capability and resources to deliver the project (50 points)

You should demonstrate this by identifying:

- a. your track record managing similar projects and access to personnel and/or partners with the right skills and experience
- b. sound project planning to manage and monitor the project, including scope, implementation methodology, timeframes, budget and risk management planning (including mitigation of health risks associated with the current COVID-19 pandemic).

8. How to apply

Before applying you should read and understand these guidelines, the sample [application form](#) and the sample [grant agreement](#) published on [business.gov.au](#) and GrantConnect.

The National Recovery and Resilience Agency will arrange support for potential applicants. This could include local workshops and webinars delivered across bushfire-affected regions. We will publish further information on this support on [business.gov.au](#) and the National Recovery and Resilience Agency website.

To apply, you must:

- complete the online [application form](#) via [business.gov.au](#)
- provide all the information requested
- address all eligibility and assessment criteria (including by explaining why your proposed project is an eligible activity)
- include all necessary attachments.

You can view and print a copy of your submitted application on the portal for your own records.

You are responsible for making sure your application is complete and accurate. Giving false or misleading information is a serious offence under the *Criminal Code Act 1995* (Cth). If we consider that you have provided false or misleading information we may not progress your application. If you find an error in your application after submitting it, you should call us immediately on 13 28 46.

If we find an error or information that is missing, we may ask for clarification or additional information from you that will not change the nature of your application. However, we can refuse to accept any additional information from you that would change your submission after the application closing time.

If you need further guidance around the application process, or if you are unable to submit an application online, [contact us](#) at [business.gov.au](#) or by calling 13 28 46.

8.1. Attachments to the application

You must provide the following documents with your application:

- a project plan, including risk assessment
- project budget, including any third party contributions
- evidence of community support (such as letters of support or testimonials)
- evidence of land ownership, where the proposed project site/s are not owned or managed by you, written consent is required from the property owner and/or property manager that allows for the implementation of the proposed project on each project site (where applicable)
- trust deed (where applicable).

You must attach supporting documentation to the application form in line with the instructions provided within the form. You should only attach requested documents. The level of information provided should be commensurate with the grant amount requested. For example, we expect a short project plan for a grant amount of \$300,000 or less, but for a larger grant amount, we expect a more comprehensive project plan.

We will not consider information in attachments that we do not request.

8.2. Joint applications

We recognise that some organisations may want to join as a group to collectively deliver a project. In these circumstances, you must appoint a lead organisation. Only the lead organisation can submit the application form and enter into the grant agreement with the Commonwealth. The application should identify all other members of the proposed group and include a letter of support from each of the project partners. Each letter of support should include:

- details of the project partner
- an overview of how the project partner will work with the lead organisation and any other project partners in the group to successfully complete the project
- an outline of the relevant experience and/or expertise the project partner will bring to the group
- the roles/responsibilities the project partner will undertake, and the resources it will contribute (if any), and
- details of a nominated management level contact officer.

You must have a formal arrangement in place with all parties prior to execution of the grant agreement.

8.3. Timing of grant opportunity

You can only submit an application between the published opening and closing dates. We cannot accept late applications.

We expect that projects can start anytime from January 2022 onwards and must end by 31 March 2024.

Table 1: Expected timing for this grant opportunity

Activity	Timeframe
Assessment of applications	September 2021
Approval of outcomes of selection process	October 2021
Negotiations and award of grant agreements	November 2021
Notification to unsuccessful applicants	December 2021
Earliest start date of project	From notification that you are successful, or as agreed (if a later date is proposed)
Project completion date	31 March 2024
End date of grant commitment	30 June 2024

9. The grant selection process

We first review your application against the eligibility criteria, and determine whether it involves an eligible activity. If your application passes this stage, we will then assess it against the assessment criteria. Only eligible applications will proceed to the assessment stage.

We consider your application on its merits, based on:

- how well it meets the criteria
- how it compares to other applications
- whether it provides value with relevant money.

When assessing whether the application represents value with relevant money, we will have regard to:

- the overall objectives of the grant opportunity
- the evidence provided to demonstrate how your project contributes to meeting those objectives
- the relative value of the grant sought.

9.1. Who will assess applications?

We will assess your application against the assessment criteria and compare it to other eligible applications before providing the outcomes of this assessment to a Committee.

The Committee, chaired by the Coordinator-General of the National Recovery and Resilience Agency, will include representatives from relevant Commonwealth departments and agencies. The Committee will assess the merits of each application and have regard to the geographical spread of proposed projects in the eligible LGAs. The Committee may also seek additional advice from independent technical experts as well as local knowledge through the engagement network of the National Recovery and Resilience Agency.

The Committee will recommend which projects to fund, ensuring that projects are clearly and directly related to community recovery or resilience from the 2019-20 bushfires and align with Commonwealth responsibilities.

We may ask external experts/advisors to inform the assessment process. Any expert/advisor, who is not a Commonwealth Official, will be required/expected to perform their duties in accordance with the CGRGs.

You cannot make any material alteration or addition to your application, but if the selection process identifies unintentional errors in your application, we may contact you to correct or clarify the errors.

9.2. Who will approve grants?

The Minister for Emergency Management decides which grants to approve taking into account the recommendations of the Committee and the availability of grant funds.

The Minister's decision is final in all matters, including:

- the grant approval
- the grant funding to be awarded
- any conditions attached to the offer of grant funding.

We cannot review decisions about the merits of your application.

The Minister will not approve funding if there are insufficient program funds available across relevant financial years for the program.

10. Notification of application outcomes

We will advise you of the outcome of your application in writing. If you are successful, we will advise you of any specific conditions attached to the grant.

If you are unsuccessful, we will give you an opportunity to discuss the outcome with us. We cannot however, review decisions about your application.

11. Successful grant applications

11.1. Grant agreement

If you are successful, you will be required to enter into a legally binding grant agreement with the Commonwealth. We use two types of grant agreements in this program. Our selection will depend on the size and complexity of your project. Each grant agreement has general terms and conditions that cannot be changed. Sample [grant agreements](#) are available on [business.gov.au](#) and GrantConnect.

We must execute a grant agreement with you before we can make any payments. Execute means both you and the Commonwealth have signed the agreement. You may elect to commence your project from the date we notify you that your application is successful. We are not responsible for any expenditure you incur until a grant agreement is executed. The Commonwealth will not be liable, and should not be held out as being liable, for any activities undertaken before the grant agreement is executed.

The approval of your grant may have specific conditions determined by the assessment process or other considerations made by the Minister. We will identify these in the offer of grant funding.

If you enter an agreement under the Black Summer Bushfire Recovery Grants, you cannot receive other grants from other Commonwealth, state or territory grant programs for the specific activities of this grant agreement.

The Commonwealth may recover grant funds if there is a breach of the grant agreement.

You will have 30 days from the date of a written offer to execute this grant agreement with the Commonwealth. During this time, we will work with you to finalise details.

The offer may lapse if both parties do not sign the grant agreement within this time. Under certain circumstances, we may extend this period. We base the approval of your grant on the information you provide in your application. We will review any required changes to these details to ensure they do not impact the project as approved by the Minister.

11.2. Project/Activity specific legislation, policies and industry standards

You must comply with all relevant laws and regulations in undertaking your project. You must also comply with the specific legislation/policies/industry standards that follow. It is a condition of the grant funding that you meet these requirements. We will include these requirements in your grant agreement.

11.2.1. Child Safety Requirements

You must comply with all relevant legislation relating to the employment or engagement of anyone working on the project that may interact with children, including all necessary working with children checks.

You must implement the [National Principles for Child Safe Organisations](#)² endorsed by the Commonwealth.

You will need to complete a risk assessment to identify the level of responsibility for children and the level of risk of harm or abuse, and put appropriate strategies in place to manage those risks. You must update this risk assessment at least annually.

You will also need to establish a training and compliance regime to ensure personnel are aware of, and comply with, the risk assessment requirements, relevant legislation including mandatory reporting requirements and the National Principles for Child Safe Organisations.

You will be required to provide an annual statement of compliance with these requirements in relation to working with children.

11.2.2. Building and construction requirements

Wherever the government funds building and construction activities, the following special regulatory requirements apply.

- *Code for the Tendering and Performance of Building Work 2016* ([Building Code 2016](#))³
- Australian Government Building and Construction WHS Accreditation Scheme ([WHS Scheme](#))⁴

These regulations are subject to the level of funding you receive as outlined below.

11.2.2.1. Building Code

The Building Code is administered by relevant State and Territory administrations under relevant State or Territory legislation on behalf of the [Australian Building and Construction Commission](#).⁵

The Building Code applies to all construction projects funded by the Australian Government through grants and other programs where:

- the value of Australian Government contribution to a project is at least \$5 million and represents at least 50 per cent of the total construction project value; or

² <https://www.humanrights.gov.au/our-work/childrens-rights/national-principles-child-safe-organisations>

³ <https://www.abcc.gov.au/building-code/building-code-2016>

⁴ <http://www.fsc.gov.au/sites/fsc/needaccredited/accreditationscheme/pages/theaccreditationscheme>

⁵ <https://www.abcc.gov.au/>

- regardless of the proportion of Australian Government funding, where the Australian Government contribution to a project is \$10 million or more.

11.2.2.2. WHS Scheme

The WHS Scheme is administered by the [Office of the Federal Safety Commissioner](#)⁶.

The Scheme applies to projects that are directly or indirectly funded by the Australian Government where:

- the value of the Australian Government contribution to the project is at least \$6 million and represents at least 50 per cent of the total construction project value; or
- the Australian Government contribution to a project is \$10 million (GST inclusive) or more, irrespective of the proportion of Australian Government funding; and
- a head contract under the project includes building work of \$4 million or more (GST inclusive).

11.3. How we pay the grant

The grant agreement will state the:

- maximum grant amount we will pay
- proportion of eligible expenditure covered by the grant (grant percentage)
- any financial contribution provided by you or a third party.

We will not exceed the maximum grant amount under any circumstances. If you incur extra costs, you must meet them yourself.

We will make payments according to an agreed schedule set out in the grant agreement.

Payments are subject to satisfactory progress on the project.

For grants over \$50,000 or more, we set aside 10 per cent of the total grant funding for the final payment. We will pay this when you submit a satisfactory end of project report demonstrating you have completed outstanding obligations for the project. We may need to adjust your progress payments to align with available program funds across financial years and/or to ensure we retain a minimum 10 per cent of grant funding for the final payment.

11.4. Tax obligations

If you are registered for the Goods and Services Tax (GST), where applicable we will add GST to your grant payment and provide you with a recipient created tax invoice. You are required to notify us if your GST registration status changes during the project period. GST does not apply to grant payments to government related entities⁷.

Grants are assessable income for taxation purposes, unless exempted by a taxation law. We recommend you seek independent professional advice on your taxation obligations or seek assistance from the [Australian Taxation Office](#). We do not provide advice on tax.

12. Announcement of grants

We will publish non-sensitive details of successful projects on GrantConnect within 21 calendar days after the date of effect. We are required to do this by the [Commonwealth Grants Rules and](#)

⁶ <http://www.fsc.gov.au/sites/FSC>

⁷ See Australian Taxation Office ruling GSTR 2012/2 available at ato.gov.au

[Guidelines](#) unless otherwise prohibited by law. We may also publish this information on business.gov.au. This information may include:

- name of your organisation
- title of the project
- description of the project and its aims
- amount of grant funding awarded
- Australian Business Number
- business location
- your organisation's industry sector.

13. How we monitor your grant activity

13.1. Keeping us informed

You should let us know if anything is likely to affect your project or organisation.

We need to know of any key changes to your organisation or its business activities, particularly if they affect your ability to complete your project, carry on business and pay debts due.

You must also inform us of any changes to your:

- name
- addresses
- nominated contact details
- bank account details.

If you become aware of a breach of terms and conditions under the grant agreement you must contact us immediately.

You must notify us of events relating to your project and provide an opportunity for the Minister or their representative to attend.

13.2. Reporting

You must submit reports in line with the grant agreement. We will provide the requirements for these reports as appendices in the grant agreement. We will remind you of your reporting obligations before a report is due. We will expect you to report on:

- progress against agreed project milestones
- project expenditure, including expenditure of grant funds
- contributions of participants directly related to the project.

The amount of detail you provide in your reports should be relative to the project size, complexity and grant amount.

We will monitor the progress of your project by assessing reports you submit and may conduct site visits to confirm details of your reports if necessary. Occasionally we may need to re-examine claims, seek further information or request an independent audit of claims and payments.

13.2.1. Progress reports

Progress reports must:

- include details of your progress towards completion of agreed project activities
- show the total eligible expenditure incurred to date

- include evidence of expenditure
- be submitted by the report due date (you can submit reports ahead of time if you have completed relevant project activities).

We will only make grant payments when we receive satisfactory progress reports.

You must discuss any project or milestone reporting delays with us as soon as you become aware of them.

13.2.2. End of project report

When you complete the project, you must submit an end of project report.

End of project reports must:

- include the agreed evidence as specified in the grant agreement
- identify the total eligible expenditure incurred for the project
- include a declaration that the grant money was spent in accordance with the grant agreement and to report on any underspends of the grant money
- be submitted by the report due date.

13.2.3. Ad-hoc reports

We may ask you for ad-hoc reports on your project. This may be to provide an update on progress, or any significant delays or difficulties in completing the project.

13.3. Independent audits

We may ask you to provide an independent audit report. An audit report will verify that you spent the grant in accordance with the grant agreement. The audit report requires you to prepare a statement of grant income and expenditure. The financial acquittal report template is attached to the sample grant agreement available on business.gov.au and GrantConnect.

13.4. Compliance visits

We may visit you during the project period, or at the completion of your project to review your compliance with the grant agreement. We may also inspect the records you are required to keep under the grant agreement. For large or complex projects, we may visit you after you finish your project. We will provide you with reasonable notice of any compliance visit.

13.5. Grant agreement variations

We recognise that unexpected events may affect project progress. In these circumstances, you can request a variation to your grant agreement, including:

- changing project milestones
- extending the timeframe for completing the project up until 31 March 2024.
- changing project activities

The program does not allow for an increase of grant funds.

If you want to propose changes to the grant agreement, you must put them in writing before the grant agreement end date. We can provide you with a variation request template.

If a delay in the project causes milestone achievement and payment dates to move to a different financial year, you will need a variation to the grant agreement. We can only move funds between financial years if there is enough program funding in the relevant year to allow for the revised payment schedule. If we cannot move the funds, you may lose some grant funding.

You should not assume that a variation request will be successful. We will consider your request based on factors such as:

- how it affects the project outcome
- consistency with the program policy objective, grant opportunity guidelines and any relevant policies of the department
- changes to the timing of grant payments
- availability of program funds.

13.6. Evaluation

The National Recovery and Resilience Agency may use information from your application and project reports to evaluate the grant opportunity and to measure how well the outcomes and objectives have been achieved. They may also interview you, or ask you for more information to better understand how the grant assisted you and to evaluate how effective the program was in achieving its outcomes.

They may contact you up to two years after you finish your project for more information to assist with this evaluation.

13.7. Grant acknowledgement

If you make a public statement about a project funded under the program, including in a brochure or publication, you must acknowledge the grant by using the following:

‘This project received grant funding from the Australian Government.’

If you erect signage in relation to the project, the signage must contain an acknowledgement of the grant.

14. Probity

We will make sure that the grant opportunity process is fair, according to the published guidelines, incorporates appropriate safeguards against fraud, unlawful activities and other inappropriate conduct and is consistent with the CGRGs.

14.1. Conflicts of interest

Any conflicts of interest could affect the performance of the grant opportunity or program. There may be a conflict of interest, or perceived conflict of interest, if our staff, any member of a committee or advisor and/or you or any of your personnel:

- has a professional, commercial or personal relationship with a party who is able to influence the application selection process, such as an Australian Government officer or member of an external panel
- has a relationship with or interest in, an organisation, which is likely to interfere with or restrict the applicants from carrying out the proposed activities fairly and independently or
- has a relationship with, or interest in, an organisation from which they will receive personal gain because the organisation receives a grant under the grant program/ grant opportunity.

As part of your application, we will ask you to declare any perceived or existing conflicts of interests or confirm that, to the best of your knowledge, there is no conflict of interest.

If you later identify an actual, apparent, or perceived conflict of interest, you must inform us in writing immediately.

Conflicts of interest for Australian Government staff are handled as set out in the Australian [Public Service Code of Conduct \(Section 13\(7\)\)](#)⁸ of the *Public Service Act 1999* (Cth). Committee members and other officials including the decision maker must also declare any conflicts of interest.

We publish our [conflict of interest policy](#)⁹ on the department's website. The Commonwealth policy entity also publishes a conflict of interest policy on its website.

14.2. How we use your information

Unless the information you provide to us is:

- confidential information as per 14.2.1, or
- personal information as per 14.2.3,

we may share the information with other government agencies for a relevant Commonwealth purpose such as:

- to improve the effective administration, monitoring and evaluation of Australian Government programs
- for research
- to announce the awarding of grants.

14.2.1. How we handle your confidential information

We will treat the information you give us as sensitive and therefore confidential if it meets all of the following conditions:

- you clearly identify the information as confidential and explain why we should treat it as confidential
- the information is commercially sensitive
- disclosing the information would cause unreasonable harm to you or someone else
- you provide the information with an understanding that it will stay confidential.

14.2.2. When we may disclose confidential information

We will not be in breach of any confidentiality agreement if the information is disclosed to:

- to the committee and other Commonwealth employees and contractors, to help us manage the program effectively
- employees and contractors of our department so we can research, assess, monitor and analyse our programs and activities
- employees and contractors of other Commonwealth agencies for any purposes, including government administration, research or service delivery
- other Commonwealth, state, territory or local government agencies in program reports and consultations
- to the Auditor-General, Ombudsman or Privacy Commissioner
- to the responsible Minister or Assistant Minister

⁸ <https://www.legislation.gov.au/Details/C2019C00057>

⁹ https://www.industry.gov.au/sites/default/files/July%202018/document/pdf/conflict-of-interest-and-insider-trading-policy.pdf?acsf_files_redirect

- to a House or a Committee of the Australian Parliament.

We may also disclose confidential information if

- we are required or authorised by law to disclose it
- you agree to the information being disclosed, or
- someone other than us has made the confidential information public.

The grant agreement may also include any specific requirements about special categories of information collected, created or held under the grant agreement.

14.2.3. How we use your personal information

We must treat your personal information according to the [Australian Privacy Principles](#) (APPs) and the [Privacy Act 1988](#) (Cth). This includes letting you know:

- what personal information we collect
- why we collect your personal information
- to whom we give your personal information.

We may give the personal information we collect from you to our employees and contractors, the committee, and other Commonwealth employees and contractors, so we can:

- manage the program
- research, assess, monitor and analyse our programs and activities.

We, or the Minister, may:

- announce the names of successful applicants to the public
- publish personal information on the National Recovery and Resilience Agency's websites.

You may read our [Privacy Policy](#)¹⁰ on the department's website for more information on:

- what is personal information
- how we collect, use, disclose and store your personal information
- how you can access and correct your personal information.

14.2.4. Freedom of information

All documents in the possession of the Australian Government, including those about the program, are subject to the [Freedom of Information Act 1982](#) (Cth) (FOI Act).

The purpose of the FOI Act is to give members of the public rights of access to information held by the Australian Government and its entities. Under the FOI Act, members of the public can seek access to documents held by the Australian Government. This right of access is limited only by the exceptions and exemptions necessary to protect essential public interests and private and business affairs of persons in respect of whom the information relates.

If someone requests a document under the FOI Act, we will release it (though we may need to consult with you and/or other parties first) unless it meets one of the exemptions set out in the FOI Act.

¹⁰ <https://www.industry.gov.au/data-and-publications/privacy-policy>

14.3. Enquiries and feedback

For further information or clarification, you can contact us on 13 28 46 or by [web chat](#) or through our [online enquiry form](#) on business.gov.au.

We may publish answers to your questions on our website as Frequently Asked Questions.

Our [Customer Service Charter](#) is available at business.gov.au. We use customer satisfaction surveys to improve our business operations and service.

If you have a complaint, call us on 13 28 46. We will refer your complaint to the appropriate manager.

If you are not satisfied with the way we handle your complaint, you can contact:

Chief Finance Officer
Department of Industry, Science, Energy and Resources
GPO Box 2013
CANBERRA ACT 2601

You can also contact the [Commonwealth Ombudsman¹¹](#) with your complaint (call 1300 362 072). There is no fee for making a complaint, and the Ombudsman may conduct an independent investigation.

¹¹ <http://www.ombudsman.gov.au/>

15. Glossary

Term	Definition
Administering entity	When an entity that is not responsible for the policy, is responsible for the administration of part or all of the grant administration processes.
Affected or eligible LGA	Disaster-declared Local Government Areas activated by the Australian and relevant State or Territory Government for Disaster Recovery Funding Arrangements (DRFA) assistance as a result of the 2019-20 bushfires. For the avoidance of doubt, these are provided at Appendix A.
Assessment criteria	Are the specified principles or standards, against which applications will be judged. These criteria are also used to assess the merits of proposals and, in the case of a competitive grant opportunity, to determine application rankings.
CGRGs	Commonwealth Grants Rules and Guidelines
Commencement date	The expected start date for the grant activity.
Completion date	The expected date that the grant activity must be completed and the grant spent by.
Committee	The body established by the Department to consider and assess eligible applications and make recommendations to the Minister for funding under the program.
Date of effect	Can be the date on which a grant agreement is signed or a specified starting date. Where there is no grant agreement, entities must publish information on individual grants as soon as practicable.
Department	The Department of Industry, Science, Energy and Resources
DRFA	Disaster Recovery Funding Arrangements
Eligibility criteria	Refer to the mandatory criteria which must be met to qualify for a grant. Assessment criteria may apply in addition to eligibility criteria.
Eligible activities	The activities undertaken by a grantee in relation to a project that are eligible for funding support as set out in 6.1, 6.2 and 6.3.
Eligible application	An application for grant funding under the program that the Program Delegate has determined is eligible for assessment in accordance with these guidelines.
Eligible expenditure	The expenditure incurred by a grantee on a project and which is eligible for funding support as set out in 6.4.2.

Term	Definition
Grant agreement	A legally binding contract between the Commonwealth and a grantee for the grant funding.
grant activity/activities	Refers to the project/tasks/services that the grantee is required to undertake.
Grant funding or grant funds	The funding made available by the Commonwealth to grantees under the program.
GrantConnect	The Australian Government's whole-of-government grants information system, which centralises the publication and reporting of Commonwealth grants in accordance with the Commonwealth Grants Rules and Guidelines.
Grantee	The recipient of grant funding under a grant agreement.
Guidelines	Guidelines that the Minister gives to the department to provide the framework for the administration of the program, as in force from time to time.
Local Government Area (LGA)	For the purposes of the program, eligible Local Government Areas are those listed in Appendix A of the grant opportunity guidelines.
Local government agency or body	A local governing body as defined in the <i>Local Government (Financial Assistance) Act 1995 (Cth)</i> , such as a Council.
Minister or Minister for Emergency Management	Minister for Agriculture, Drought and Emergency Management
National Recovery and Resilience Agency	Established in 2021 to provide strategic leadership and coordination for Commonwealth supported recovery and resilience of communities affected by natural disasters.
Personal information	<p>Has the same meaning as in the <i>Privacy Act 1988 (Cth)</i> which is:</p> <p>Information or an opinion about an identified individual, or an individual who is reasonably identifiable:</p> <ol style="list-style-type: none"> a. whether the information or opinion is true or not; and b. whether the information or opinion is recorded in a material form or not.
Program Delegate	A manager within the department with responsibility for the program.
Program funding or Program funds	The funding made available by the Commonwealth for the program.
Project	A project described in an application for grant funding under the program.

Appendix A. Eligible Local Government Areas (LGAs)

Category 1

State	LGA	Category
ACT	ACT unincorporated ¹²	1
NSW	Armidale	1
NSW	Bega Valley	1
NSW	Blue Mountains	1
NSW	Clarence Valley	1
NSW	Eurobodalla	1
NSW	Glen Innes	1
NSW	Hawkesbury	1
NSW	Kempsey	1
NSW	Lithgow	1
NSW	Mid Coast	1
NSW	Nambucca	1
NSW	Port Macquarie-Hastings	1
NSW	Queanbeyan-Palerang	1
NSW	Richmond Valley	1
NSW	Shoalhaven	1
NSW	Snowy Monaro	1
NSW	Snowy Valleys	1
NSW	Tenterfield	1
NSW	Wollondilly	1
QLD	Livingstone	1
QLD	Lockyer Valley	1
QLD	Scenic Rim	1
QLD	Somerset	1
QLD	Southern Downs	1
SA	Kangaroo Island	1

¹² ACT has been deemed Category 1 to recognise the different governance arrangements in place in the ACT, without distinct local councils, as well as the impact of the 2019-20 bushfires.

State	LGA	Category
VIC	Alpine	1
VIC	East Gippsland	1
VIC	Indigo	1
VIC	Mansfield	1
VIC	Towong	1
VIC	Wangaratta	1
VIC	Wellington	1
VIC	Wodonga	1

Eligible Local Government Areas (LGAs)

Category 2

State	LGA	Category
NSW	Ballina	2
NSW	Bellingen	2
NSW	Byron	2
NSW	Central Coast	2
NSW	Cessnock	2
NSW	Coffs Harbour	2
NSW	Cootamundra-Gundagai	2
NSW	Dungog	2
NSW	Goulburn-Mulwaree	2
NSW	Greater Hume	2
NSW	Gwydir	2
NSW	Inverell	2
NSW	Ku-ring-gai	2
NSW	Kyogle	2
NSW	Lake Macquarie	2
NSW	Lismore	2
NSW	Mid Western	2
NSW	Muswellbrook	2
NSW	Narrabri	2

State	LGA	Category
NSW	Oberon	2
NSW	Penrith	2
NSW	Singleton	2
NSW	Sutherland Shire	2
NSW	Tamworth	2
NSW	Tweed	2
NSW	Upper Hunter	2
NSW	Upper Lachlan	2
NSW	Uralla	2
NSW	Wagga Wagga	2
NSW	Walcha	2
NSW	Wingecarribee	2
QLD	Brisbane	2
QLD	Bundaberg	2
QLD	Cook	2
QLD	Fraser Coast	2
QLD	Gladstone	2
QLD	Gold Coast	2
QLD	Gympie	2
QLD	Ipswich City	2
QLD	Mareeba Shire	2
QLD	Noosa Shire	2
QLD	North Burnett	2
QLD	Redland	2
QLD	Rockhampton	2
QLD	South Burnett	2
QLD	Sunshine Coast	2
QLD	Toowoomba	2
QLD	Townsville	2
QLD	Whitsunday	2
SA	Adelaide Hills	2

State	LGA	Category
SA	Lower Eyre Peninsula	2
SA	Mid Murray	2
SA	Mount Barker	2
SA	Murray Bridge	2
SA	Playford	2
SA	Southern Mallee	2
SA	The Coorong	2
SA	Yorke Peninsula	2
SA	Kingston	2
TAS	Break O'Day	2
TAS	Central Highlands	2
TAS	Flinders	2
TAS	Glamorgan/Spring Bay	2
TAS	Southern Midlands	2
VIC	Alpine Resorts (including the Falls Creek, Mount Hotham, Mount Buller and Mount Stirling alpine resort areas only)	2
VIC	Ararat	2
VIC	Ballarat	2
VIC	Campaspe	2
VIC	Glenelg	2
VIC	Golden Plains	2
VIC	Greater Bendigo	2
VIC	Moyne	2
VIC	Northern Grampians	2
VIC	Pyrenees	2
VIC	Southern Grampians	2
VIC	Strathbogie	2

Appendix B. Eligible Projects

Your project must satisfy one or more of the following criteria in order to receive funding:

- **Urgent recovery projects** - your project may be eligible for funding if it addresses an immediate recovery need that:
 - remains unmet
 - needs to be addressed on an urgent basis
 - results directly from the 2019-20 bushfires.

For example, your project might involve:

- making urgent repairs to, or replacing, community utilities or infrastructure damaged or destroyed in the bushfires
- giving urgent assistance to members of the community who continue to suffer the effects of having been displaced by the bushfires.

If your project addresses a need that is not sufficiently urgent to qualify under this criterion, you might still be able to rely on another of the criteria listed below. These criteria can support projects with a lesser degree of urgency

- **Projects undertaken in the Australian Capital Territory** - your project may be eligible for funding if it involves bushfire recovery or resilience activities that will be carried out wholly in the Australian Capital Territory.
- **Projects run by local councils** - your project may be eligible for funding if you are local governing body established by or under a law of a State (other than a body whose sole or principal function is to provide a particular service, such as the supply of electricity or water).
- **Projects for the benefit of Indigenous people or communities** - your project may be eligible for funding if it is to be conducted for the benefit of Indigenous people or communities. For instance, your project might:
 - provide employment opportunities specifically to Indigenous Australians, or
 - restore Indigenous cultural sites that were damaged by the bushfires.

The project must be specifically and predominantly for the benefit of Indigenous people or communities. It is not enough that Indigenous people or communities might benefit from the project in common with others.

- **Projects that protect or promote interstate and overseas trade and commerce** - your project may be eligible for funding if it will protect, foster or encourage:
 - trade or commerce between Australia and places outside Australia
 - trade or commerce between the states, or
 - trade or commerce between a state or territory, or between two territories.

For example, this might involve:

- measures designed to revive tourism to affected areas - eg, by building an attraction, hosting an event or upgrading existing tourist facilities in affected areas, so as to attract tourism from other states, territories or countries
- projects to rebuild infrastructure that facilitates trade and commerce between the affected area and other states, territories or countries

- projects to assist businesses located in affected areas to preserve or expand their trading operations with other states, territories or countries with so as to bolster employment in the affected area.

This does not extend to projects that focus on trade and commerce within a single state. Your project could only be funded under this criterion if it is directed predominantly at a kind of trade or commerce outlined above.

- **Projects that are delivered through a relevant communications service** - your project may be eligible for funding if it will be delivered online or by telephone. For instance, this might involve delivering online financial counselling or business advisory services to local businesses affected by the bushfires.
- **Projects that enhance the cultural life of the community** - your project may be eligible for funding if it will help fire-affected individuals or communities to participate in cultural life. This could, for instance, include projects to facilitate community participation in sporting, musical or artistic workshops or events that will restore community morale and cohesion following the 2019-20 bushfires.
- **Projects that preserve or increase employment** - your project may be eligible for funding if it will help to preserve or boost employment in fire-affected communities. This might, for instance, involve:
 - providing training to people who have lost their jobs as a result of the fires to assist them to gain new employment
 - undertaking activities designed to generate employment in affected LGA communities, or that help existing businesses to generate employment.
- **Projects that help to mitigate climate-related risk and damage** - your project may be eligible for funding if it will help the community to adapt to bushfire risks induced by climate change - that is, to address issues or manage risks that the community faces as a result of any enhanced bushfire risk resulting from climate change. This might, for instance, include projects to increase the bushfire resilience of infrastructure, or to strengthen the capacity of the local economy to survive the disruptions caused by bushfires.
- **Projects that address the health impacts of the bushfires** - your project may be eligible for funding if is designed to treat, prevent or manage the mental or physical health impacts of the bushfires. This could, for instance, include projects to provide counselling to people who have, or are at risk of developing, mental health issues in the aftermath of the bushfires.
- **Projects that involve meteorological observations or statistical collection and analysis** - your project may be eligible for funding if it centres on:
 - the making of meteorological observations, or
 - statistical collection and analysis.
 This might, for instance, include:
 - the design of early warning or risk-monitoring systems for the community in respect of bushfire risks arising from extreme weather conditions
 - research into bushfire recovery that revolves around statistical collection and analysis.
- **Projects relating to insurance** - your project may be eligible for funding if it will assist with the insurance of bushfire-related risks. Specifically:

- your project would need to involve mitigation or resilience activities that will reduce the risk of bushfire damage in the community (eg, by increasing the bushfire resilience of community infrastructure)
- your application would need to be accompanied by a clear and verifiable commitment from the insurer that the project would improve insurance affordability (ie, that the insurer would lower a premium or otherwise reduce the cost of the insurance if the project were completed), and
- the relevant insurance must not be insurance provided by the state (including a business owned or controlled by the state).

PARTNERSHIP AGREEMENT

Between **Service NSW** (ABN 37 552 837 401) and the **LOCAL GOVERNMENT** (the '**Council**)
(the '**Parties**')

Last Updated: 9th July 2021

1. Purpose

1.1. The purpose of this Agreement is to:

- A. Provide the services of Service NSW for Business, which is a division of Service NSW with a mandate of being the one front door for businesses in NSW to access government information and services.
- B. Provide the framework within which Services will be delivered
- C. Document the responsibilities of Service NSW and the Council on the provision of Services
- D. Provide mechanisms to manage the relationship between the Parties
- E. Promote a collaborative approach to working together in a timely and effective manner and to act in good faith

This Agreement is not legally binding.

2. Background

- 1) Service NSW is a Division of the Government Service established under the Service Act. The functions of Service NSW include the exercise of customer service functions, within the meaning of the Service Act; other functions conferred by statute; and other functions relating to the delivery of Government services, as directed by the Minister responsible for Service NSW.
- 2) Section 7 of the Service Act makes provision for customer service functions to be delegated by other NSW Government agencies to the Chief Executive Officer ('**CEO**').
- 3) The functions of the CEO are exercised by the staff of Service NSW.
- 4) Section 8 of the Service Act enables the CEO to enter into Agreements with local government agencies for the exercise of a non-statutory customer service function of the agency; or with respect to the exercise of a customer service function delegated to the CEO.
- 5) Subsection 8(4) of the Service Act provides that an Agreement with a council, a county council or a joint organisation within the meaning of the *Local Government Act 1993* must be approved by a resolution of the council, county council or joint organisation, must be approved before it is entered into.
- 6) SNSW partners with the Council to promote and deliver the services of SNSW for Business to businesses across NSW.

7) the purpose of this collaboration is to ensure awareness and access to Government services to all businesses in NSW.

8) the services of SNSW for Business are free for the Council and for customers.

9) The PPIP Act and the HRIP Act set out information handling principles that apply to public sector agencies (as defined in section 3 of the PPIP Act). As public sector agencies, the parties must not do anything, or engage in any practice, that contravenes a privacy principle that applies to them.

10) Section 14 of the Service Act makes provision for the disclosure and use of information, including personal information, for the purposes of the exercise of customer service functions by the CEO. Section 14 has effect despite the provisions of any other Act, including the PPIP Act and the HRIP Act.

11) Section 15 of the Service Act makes provision for the collection of personal information for the purposes of the PPIP Act and the HRIP Act, by Service NSW.

12) Section 16 of the Service Act enables an Agreement made under the Service Act, or a delegation of a customer service function by an agency to the CEO, to provide for the exercise by Service NSW of functions relating to access to information under the Government information (Public Access) Act 2009 and functions relating to the State Records Act 1998, in connection with the functions of the council concerned. The responsibilities of Agencies under the *State Records Act 1998* include making and keeping full and accurate records of their office.

13) The Parties have agreed to enter into an Agreement under section 8 of the Service Act, incorporating these Standard Terms of Engagement.

3. Guiding Principles

3.1. The Parties will:

- A. Work collaboratively and in good faith in a timely and effective manner, with open communication to achieve shared objectives
- B. Facilitate a partnership relationship that promotes and achieves continuous improvement and accountability
- C. Ensure that each of its Personnel complies with this AGREEMENT and all applicable laws and policies relating to the Services, including the *Work Health and Safety Act 2011*
- D. Comply with the agreed timelines for meeting obligations to ensure efficient and effective delivery of Services
- E. Work together to identify and manage shared risks
- F. Work together to prioritise initiatives and enhancements, particularly where there are limitations on time and resources; and
- G. Work together to respond to the media, advise Ministers, and consult each other when developing communications that impact on Services.

4. Roles and Responsibilities

4.1. Service NSW will:

- A. Provide the Services in accordance with this Agreement Standard Terms, subject to any Change Request
- B. Exercise the required standard of skill, care and diligence in its performance of the Services and ensure that its Personnel have appropriate qualifications and skills to provide the Services
- C. Take responsibility for the management of records it creates or holds as a result of the exercise of a customer service function, where required; and
- D. Take responsibility for performing necessary maintenance of its systems and data managing the impact on customers from Service NSW system outages and working in conjunction with the Council.

4.2. The Council will:

- A. Provide Service NSW with all information, inputs, resources and subject matter expertise in a timely manner as required to enable Service NSW to provide the Services as set out in the Agreement
- B. Take responsibility for the management of records it receives or holds following the exercise of a customer service function by Service NSW.

4.3. The Parties undertake to maintain open channels of communication by:

- A. Making available Personnel, data, reports and computer systems for the purposes of resolving customer issues
- B. Appointing a Relationship Manager with responsibility for managing the contractual and operational aspects of the Services. The Relationship Manager may be varied.

5. Services

A. Service NSW will:

- (i) provide the relevant information and contacts to Council to ensure its local businesses are aware and can access the SNSW for Business services
- (ii) provide a single point of contact for Council to ensure it can access SNSW for Business services.

B. the Council will:

- (i) refer eligible customers to the Program
- (ii) provide guidance to Service NSW staff to assist in responding to inquiries
- (iii) inform customers and Service NSW of the outcome of relevant applications in line with privacy requirements
- (iv) provide updates on changes to local government policies, guidelines or other matters which may affect the Program
- (v) identify local opportunities to inform customers of the program
- (vi) provide Service NSW with feedback on the effectiveness and performance of the Program.

6. Liability

- 6.1. To the full extent permitted by law, neither Council or Service NSW will be liable to the customer for the customer's actions or responsible for any liability, loss or cost suffered directly or indirectly by the business in connection with the Service NSW for Business service.

7. Data and Data Security

- 7.1. Each party retains ownership of its Data.

- 7.2. Except as required by law, neither party must ensure that its Personnel will not:
- A. use the Data belonging to the other party for any purpose other than the performance of its obligations under this Agreement
 - B. sell, commercially exploit, let for hire, assign rights in or otherwise dispose of any Data; or

Each party must establish and maintain safeguards against the destruction, loss or alteration of either party's Data in the possession or control of that party which are consistent with and no less rigorous than those maintained by either party to secure its own data; and comply with all applicable laws and policies.

In particular, the Parties will ensure the secure transmission and storage of data, at standards no less than those recommended by Cyber Security NSW.

8. Confidential Information

- 8.1. The Parties must, in respect of any Confidential Information:

- A. Keep the Confidential Information confidential and not disclose that information to any person without the prior written consent of the disclosing party, other than to its Personnel, professional advisors or contractors requiring access to the Confidential Information in connection with providing the Services
- B. Use the Confidential Information solely for the purpose of carrying out its obligations
- C. Not permit the Confidential Information to be reproduced except to the extent reasonably required to carry out its obligations
- D. Not do anything that would cause the disclosing party or its Personnel to breach their obligations under Privacy Law; and
- E. Notify the other party as soon as possible upon becoming aware of any breach of this clause.

9. Privacy

- 9.1 Each party and its Personnel must:
- A. Comply with Privacy Laws; and

- B. Do all that is reasonably necessary to enable the other party to comply with Privacy Laws, including the development of documentation to demonstrate compliance with Privacy Laws, as agreed between the parties

9.2. In particular, Service NSW acknowledges that:

- A. The collection of personal or health information will take place in compliance with the Privacy Laws, as modified by section 15 of the Service Act; and
- B. the use, disclosure, storage and retention of such information will be in accordance with the Privacy Laws, and in accordance with applicable policies.

Schedule 3 documents the respective responsibilities of Service NSW and the Council in relation to the collection, storage, use, retention and disclosure of personal information.

9.4 Personal and health Information collected, used, disclosed or retained between the parties will be managed and retained by the parties in accordance with the *State Records Act 1998* (NSW) and all other applicable laws, including Privacy Laws.

9.5 Once either of the Parties has reasonable grounds to believe there has been unauthorised access to, unauthorised disclosure of, or a loss of Personal or Health Information, dealt with in connection with this Agreement (**'Data Incident'**):

- A. The party must immediately (but in any event, no later than 72 hours of becoming aware of the Data Incident) notify the other party of that contravention together with all relevant information relating to the contravention
- B. Consult with the other party as to which party should have primary responsibility for investigating and dealing with the breach or possible breach
- C. Consider, having regard to the scope of the Data Incident and the nature of the personal or health information involved, together with any other relevant factors, whether the Data Incident is serious.
- D. The party with primary responsibility for the breach must notify the Privacy Commissioner as soon as practicable that a serious Data Incident has occurred; and
- E. The parties must co-operate and collaborate in relation to assessment and investigation of the Data Incident, and action required to prevent future Data Incidents.

9.6 If either of the Parties receives a complaint or request for an internal review of conduct in relation to a breach or alleged breach of a Privacy Law, including under section 53 of the PPIP Act, (a **'Complaint'**), the following will apply:

- A. It is the responsibility of the party that receives the Complaint to perform a preliminary investigation to determine the party responsible for the conduct
- B. If responsibility lies wholly with the party that received the Complaint, then that party is responsible for responding to the complaint or conducting the internal review of conduct
- C. If, after performing the investigation, the relevant party reasonably considers that the Complaint should be transferred to the other party, it will (after obtaining the consent of the customer) promptly transfer the Complaint and any further information obtained by the party from its preliminary investigation to the other party, no later than 20 days after receipt of the original Complaint
- D. If the Complaint relates jointly to the conduct of both parties, then the party that received the Complaint will (after obtaining the consent of the Customer) notify the other party no later than 20 days after its receipt of the original Complaint and provide any further information obtained by that party from its preliminary investigation. The parties will then work together to coordinate a joint response from the parties within 60 days of receipt of

the Complaint. This response may include an internal review of conduct.

10. Intellectual Property

- 10.1 Each party will retain the Intellectual Property Rights in its Existing Material.
- 10.2 Each party agrees to grant to the other party a non-exclusive and royalty free licence to use, sublicense, adapt, or reproduce:
 - A. Their Existing Material; and
 - B. All methodologies, processes, techniques, ideas, concepts and know-how embodied in their Existing Material,
 - C. To the extent their Existing Material is required for use by the other party, solely in connection with provision of the Services.
- 10.3 Each party represents and warrants to the other party that it has all required rights and consents for its Existing Material to be used for the Services.
- 10.4 Intellectual Property Rights in all New Contract Material will vest in the Council.
- 10.5 The Council grants a perpetual, worldwide, irrevocable and royalty free licence to the Intellectual Property Rights in all New Contract Material to Service NSW for the purpose of performing the Services.
- 10.6 Subject to clauses 10.1 and 10.4, Service NSW will own all Intellectual Property Rights in the provision of the Services, including any solution and service design.

11. Performance Management and Continuous Improvement

- 11.1 Service NSW for Business does not require any provisions in relation to performance management
- 11.2 Service NSW for Business will work collaboratively with Council to ensure continuous improvement of its services to Council
- 11.3 Any future extension of this Agreement by Service NSW with Council will specify the relevant performance management and continuous improvement provisions required.

12. Reporting

- 12.1 Service NSW for Business does not require any reporting arrangements
- 12.2 Any future arrangements that require reporting will be outlined in a Schedule to this Agreement.

13. Change Management

- 13.1 Each party will comply with the Change Management Process set out in Schedule 4.
- 13.2 The parties agree to complete a Change Request in the form set out in Schedule 4 to add to or vary the Services.

14. Governance

14.1 The parties agree to comply with the Governance Framework.

15. Business Continuity and Disaster Recovery

15.1 Each party will maintain Business Continuity and Disaster Recovery Plan arrangements to ensure that each party is able to continue to perform its obligations under this Agreement, or where performance is not possible, resume performance as soon as reasonably practicable in the event of a Disaster.

16. Dispute Resolution

- **16.1** In the event of a dispute between the parties, a party will:
- Raise the dispute with the other party's Relationship Manager and use best efforts to resolve the dispute
- If the dispute is not resolved within a reasonable period, the Chief Executive of the Council or their delegate will meet with the Chief Executive Officer of Service NSW (or their delegate) with a view to resolving the dispute.
- If the dispute is not resolved under clauses 16.1(b) within a reasonable period, attempt to resolve any dispute in accordance with the Premier's Memorandum M1997-26.
- **16.2** Despite the existence of a dispute, each party must continue to perform its obligations.

17. Termination

- 17.1 Either party may terminate this Agreement in whole or in part by giving the other party 90 days written notice or as otherwise agreed.
- 17.2 On notice of termination or where Service NSW is otherwise required to cease to perform some or all of the Program, the parties will work together in good faith to finalise and agree a transition out plan to facilitate smooth and orderly transition of the relevant Program to the Council or the Council's nominated third party. Where the parties cannot agree, the dispute resolution provisions in clause 16 will apply.
- 17.3 Upon termination, each party agrees to return all Data and property belonging to the other party within 30 days of the termination date and comply with the transition out plan agreed under clause 17.2.

18. Miscellaneous

18.1 Entire Agreement

This Agreement supersedes all previous Agreements, understandings, negotiations, representations and warranties and embodies the entire Agreement between the Parties about its subject matter.

18.2 Survival

The following clauses survive termination or expiry of the Agreement: Clauses 4, 6, 7, 8, 9, 14, 15, 16, 17, 18, 19 and any other clause which by its nature is intended to survive termination or expiry of the Agreement.

18.3 Notices

A notice under this Agreement Standard Terms must be in writing and delivered to the address or email address of the recipient party.

18.4 Variation

All variations to this Agreement and all consents, approvals and waivers made under this Agreement must be evidenced in writing and variations signed by both parties.

18.5 Waiver

If a party does not exercise (or delays in exercising) any of its rights, that failure or delay does not operate as a waiver of those rights.

10.6. Applicable law

The Agreement is governed by, and is to be construed in accordance with, the laws in force in NSW.

18.7 Counterparts

The Agreement may consist of a number of counterparts and if so, the counterparts taken together constitute one and the same instrument.

19. Execution

Tenterfield Shire Council has reviewed and accepts this Agreement

Signed for and on behalf of Tenterfield Shire Council by its authorised signatory	Signed for and on behalf of Service NSW by its authorised signatory
Name:	Name:
Title:	Title:
Date:	Date:
Signature:	Signature:
Witness:	Witness:
Signature:	Signature:

Schedules

Schedule 1 - Definitions

In these Standard Terms, except where a contrary intention appears:

Business Continuity and Disaster Recovery Plan means a business continuity and disaster recovery plan which documents the back-up and response actions each of the parties will take to continue its obligations if a Disaster occurs

Change Request means the request for a change to the scope of Services in the form set out in Schedule 2

Commencement Date means the date of start of this Agreement.

Confidential Information of a party means any written or oral information of a technical, business or financial nature disclosed to the other party, including its employees or agents, by the disclosing Party (whether orally or in writing) whether before or after the Commencement Date, that:

- A. is by its nature confidential; or
- B. is designated as confidential; or
- C. the other party knows or ought to know is confidential,
- D. but does not include information which:
 - a. is or becomes public knowledge other than by breach of these Standard Terms; or
 - b. is in the lawful possession of the Party without restriction in relation to disclosure before the date of receipt of the information; or
 - c. is required to be disclosed by Law, government policy or legal process.

Contact Centre has the meaning set out in Schedule 1

Continuous Improvement Principles have the meaning set out in Schedule 1

Continuous Improvement Process has the meaning set out in Schedule 1

Data means the data of each party and all data and information relating to their operations, Personnel, assets, customers and systems in whatever form that may exist, including Confidential Information

Disaster means an event that causes, or is likely to cause, a material adverse effect on the provision of the Services that cannot be managed within the context of normal operating procedures including interruption, destruction or other loss of operational capacity

Existing Material means any material that is developed prior to entering into a Project Agreement or Service Agreement, or developed independently of a Project Agreement or Service Agreement, and includes any enhancements and modifications to its Existing Material created as part of a Project Agreement or Service Agreement

Governance Framework means the governance arrangements set out in the Service Agreement

HRIP Act means the *Health Records and Information Privacy Act 2002* (NSW);

Instrument of Delegation means the instruments of delegation (including its terms and conditions) made by the Council in relation to the Delegated Functions.

Intellectual Property Rights includes patent, knowhow, copyright, moral right, design, semiconductor, or circuit layout rights, trademark, trade, business or company names or other proprietary rights and any rights to registration of such rights, whether created before or after the Commencement Date, in Australia or elsewhere

Middle Office has the meaning set out in Schedule 1

Moral Rights means the right of integrity of authorship and the right not to have authorship falsely attributed, as confined by the *Copyright Act 1968* (Cth) and the rights of similar nature anywhere in the world, whether in existence before or after the Commencement Date

New Contract Material means new data created, other than the solution or service design

Personal Information has the meaning given to it in the Privacy Laws, as amended from time to time

Personnel means the person or persons employed or otherwise contracted by either party under these Standard Terms, as the context requires

PPIP Act means the *Privacy and Personal Information Protection Act 1998* (NSW)

Privacy Law means any law that applies to either or both of the parties which affect privacy or any personal information or any health information (including its collection, storage, use or processing) including:

- A. the PPIP Act; and
- B. the HRIP Act.

Program means the Easy to do Business program

Quarterly Forecast has the meaning set out in Schedule 1

Relationship Manager means the nominated relationship managers of either party, as set out in the Service Agreement, or as otherwise nominated by a party from time to time

- A. **Service Act** means the *Service NSW (One-stop Access to Government Services) Act 2013* (NSW);

Service Centre has the meaning set out in Schedule 1

Service NSW Standard Operating Conditions means the standard operating conditions met by Service NSW in the usual course of its performance of the Services set out in Schedule 1

Service Levels means the service levels, operating conditions and service levels relating to the Services as set out in the Service Agreement

Standard Terms of Engagement or **Standard Terms** means these terms and conditions and includes Schedules 1 and 2

Subcontractor means a third party to which Service NSW has subcontracted the performance or supply of any Services

Schedule 2

1. Service NSW Standard Operating Conditions

In addition to the Project Agreement, Service Agreement or Research Agreement, this section covers the standard omnichannel service inclusions.

1.1. Service Centre

Similar services as those available at Service Centres may be offered through Mobile Service Centres. The Mobile Service Centre timetable is published regularly on the Service NSW website.

Inclusion	Description
Concierge and digital assisted services	A Service NSW Concierge will greet and direct customers to the appropriate channel and dispense a ticket where applicable. If the transaction can be completed online, a Digital Service Representative will assist the customer to complete the transaction
Customer sentiment surveys	Before leaving the centre, customers will be offered the option of leaving feedback via a digital terminal

1.2. Contact Centre

Similar services (to that of phone-based) may be offered through a web chat feature accessible via the Service NSW website.

Inclusion	Description
Virtual hold call back system	During high volume periods, customers will be offered the option of leaving their details with an Interactive Voice Response (IVR) auto attendant. Customers can hang up while holding their place in the queue. Their call will be returned by the next available operator
Inbound number	Service NSW will answer all inbound enquiries on 13 77 88 as 'Service NSW'
Call coding	A Customer Service Representative will record the customer's reason for calls and the outcome
Customer sentiment surveys	Once the call is complete, customers will be offered the option of leaving feedback via an automated IVR system

1.3. Middle Office

Inclusion	Description
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Enquiry triage	Service NSW will triage enquiries received to info@service.nsw.gov.au or via Service NSW website 'Contact Us' page and <ul style="list-style-type: none"> - Resolve these enquiries or - Refer it to the appropriate business area at the Agency
Enquiry coding	A Customer Service Representative will record the customer's reason for enquiring and the outcome

1.4. Service NSW Website and Mobile App

Inclusion	Description
Scheduled maintenance and planned outages	Service NSW will conduct regularly scheduled maintenance of the website and mobile app. 10 business days of notice will be provided regarding outages from planned and scheduled maintenance Maintenance activities with negligible impact or outage, such as enhancements to optimise for cybersecurity or performance, may occur without notification to the Agency

1.5. Service NSW for Business

Service NSW for Business provides a multi-channel service including digital, phone and face-to-face services for metro and regional businesses in NSW and develops relationships with councils and business associations to promote the offering to local businesses.

Inclusion	Description
Relationship management	Business Customer Service staff initiate and maintain relationships with councils and business associations to promote awareness and use of the service offering by such stakeholders and their local business community. It may include, but is not limited to, information sharing, regular liaison at events and stakeholder premises and issue of surveys.
Scheduled Maintenance and Planned Outages	Digital products controlled by Service NSW for Business will be regularly updated, upgraded and maintained without any outages.

1.6. Training

Service NSW will provide appropriately trained Personnel to deliver the Services.

1.7. Language

Service NSW will provide services in English and may arrange translation and interpreter services for customers from non-English speaking backgrounds if required.

1.8. Branding

Unless otherwise set out in the Project Agreement, Service Agreement or Research Agreement, Service NSW channels are singularly branded. Marketing communication is limited to Service NSW led or co-led campaigns and programs.

1.9. Contractors and Agents

Service NSW may use contractors and agents in connection with the delivery of Services. Such agents and contractors are approved persons under Part 2 Section 12 of the Service Act.

1.10. Out of Scope Services

Any item, service or deliverable that is not specified in a Project Agreement, Service Agreement or Research Agreement is deemed to be out of scope for Service NSW.

2. Operational Framework

Service NSW operational framework outlines how operations are managed on a day-to-day basis.

Operational Support	Description
Knowledge Management	Service NSW creates and maintains support material (knowledge articles) for serving customers. These will be sent to the Agency for endorsement of content accuracy bi-annually
Complaints Management	Service NSW will record complaints and its supporting information unless resolved at the outset. Service NSW will contact the Agency where assistance is required
Issues Management	<p>Issues relating to existing products and services should be raised via partnerships@service.nsw.gov.au or directly with the Relationship Manager</p> <p>The Relationship Manager will assess the issue and facilitate a resolution within Service NSW, providing regular updates</p>
Quality control framework/ compliance	<p>Service NSW has a quality control framework that governs transactional activities in line with risk assessment at the time of onboarding</p> <p>The framework includes:</p> <ul style="list-style-type: none"> - Regular review of contact centre calls, including being assessed against procedure and process used by the agent during the call - Daily quality checks of transactions undertaken by the service centre - Quarterly compliance reviews and certifications provided by all service delivery channels

2.1. IT Operations & Support

Service NSW runs a 24/7, 365 days a year service desk. Unplanned interruptions or degradations in quality of service should be raised to the Service NSW Service Desk on 1300 697 679 (option 2)

or servicedesk@service.nsw.gov.au

Incident response times in our production environment are prioritised based upon urgency and impact, with associated response and resolution times.

Priority Code	Service Level Target Response/Resolution Time
P1 - Critical	Response: Immediate response, action/update within 15 minutes Resolution: 2 hours
P2 - High	Response: Immediate response, action/update within 30 minutes Resolution: 4 hours
P3 - Medium	Response: 8 hours Target Resolution: 10 working days
P4 - Low	Response: Email notification of call being logged within 2 days. Response by email or phone within 2 working days Target Resolution: 20 working days

Where vendors or other government platforms are involved, Service NSW utilises a best practice vendor governance framework for service level Agreements and for priority 1 and 2 incidents.

2.2. System and Security Maintenance

Service NSW complies with the NSW Government Cyber Security Policy and operates an information security management system that is certified against ISO 27001. These engagement Terms do not extend the certification scope to the Agency's specific activities.

3. Customer Payments

Service NSW will collect payments from customers for transactions set out in the Service Agreement. Cash, cheque, money order, credit or debit card may be accepted and merchant fees plus GST will be recovered.

Service NSW will provide remittances and reconciliation files to the Agency which include:

- A. Credit T+2 value for cash, cheques* and bank card payments
- B. Credit T+2 value for AMEX payments
- C. Debit any cheques dishonoured
- D. Debit any card payment chargebacks
- E. Debit any refunds processed on behalf of the Agency

Cheque payments received over \$50,000 will be remitted back to the Agency once the funds clear the Service NSW remitting bank account.

4. Business Continuity and Disaster Recovery

Service NSW will maintain an Enterprise Risk Management Framework focused on managing risks to Service NSW, including mitigation of the likelihood and impact of an adverse event occurring. As a function of risk management, business continuity management will enable Service NSW to minimise disruptive risks and restore and recover its business-critical services within acceptable predefined timeframes should an adverse event or other major business disruption occur.

Recovery and timeframes may be impacted when events or disruptions are related to dependencies on partner Agencies. The Parties will agree on Recovery Point Objectives and Recovery Time Objectives and associated charges prior to designing the system and will periodically review these objectives.

All systems and technology provided by Service NSW internally and through third-party vendors, operate through multiple data centres to achieve high availability. Service NSW systems are architected, where practicable and possible, to ensure continuity of service in the event of a data centre disruption or outage.

Definitions

Recovery Point Objectives means the age of files that must be recovered from backup storage for normal operations to resume if a computer, system, or network goes down because of a hardware, program, or communications failure.

Recovery Time Objectives means the targeted duration of time and a service level within which a business process must be restored after a disaster (or disruption) to avoid unacceptable consequences associated with a break in business continuity.

5. Continuous Improvement

Service NSW regularly reviews improvement ideas from employees and customers. We will provide you with any ideas relevant to your agency for consideration.

'Continuous Improvement' refers to identifying a process, system or policy opportunities that will deliver a benefit for our people, our customers or the NSW government. These improvements may be delivered in house where possible or by engaging our partnering agencies where further input or decisions are required under policy or legislation. A Continuous Improvement:

- A. Puts the customer first
- B. Makes the customer service job easier
- C. Improves a step in a process
- D. Changes the way a task is completed so that it doesn't take as long
- E. Reduces handling time and is cost effective
- F. Allows others to benefit from best practices
- G. Allows us to do things better locally, regionally or organisation-wide
- H. Is a low-investment process change and not a policy change
- I. Improves accountability within the various stages of the process
- J. Removes steps that don't add any value to a process

Service NSW will consider several factors such as cost to implement, cost savings, customer experience, team member experience and operational efficiency in prioritising continuous improvements.

5.1. Continuous Improvement Process

The parties will identify new continuous improvement initiatives on an annual basis, with a 6-monthly check-in on ongoing continuous improvement initiatives.

When establishing a new continuous improvement initiative, the parties will classify the initiative based on whether it can be implemented as:

- A. part of the ongoing 'business as usual' services (cost and resourcing to be absorbed by Service NSW); or

B. a new project initiative (cost and resourcing to be agreed by the parties).

A prioritisation process will be agreed upon between the parties to prioritise initiatives (for Service NSW, this will be performed by the Partnerships team).

The Agency may be required to effect policy, system or regulatory changes to assist in delivering the service process improvement, as agreed with Service NSW. Where a review of Agency policy, system or regulatory changes is requested by Service NSW from the Agency, these should be conducted within timeframes agreed between the respective Relationship Managers.

Schedule 3 – Privacy and Data Security

(a) General

(i) Service NSW may collect, use, disclose, store and retain personal information when exercising functions for the Council:

(iv) Where Service NSW exercises functions for the Council, Service NSW can share information it obtains with the Council without separately requesting the customer's consent. Service NSW can also share the information it obtains with any person that the Council is authorised or required to disclose the information to in accordance with the Service Act.

(c) Collection of information

(i) Service NSW will collect the following information when exercising functions for the Council: Richmon

(ii) Service NSW will take reasonable steps to ensure that the personal or health information it collects on behalf of the Council is accurate, up-to-date and complete.

(iii) Service NSW will provide a privacy collection notice to customers whenever it collects their information.

(iv) If Service NSW collects personal information for its own internal purposes, when exercising functions for the Council, it will ensure that the privacy collection notice meets the requirements of section 10 of the *PIIP Act* in light of section 15(3) of the *Service Act*.

(v) The notice will address each of the matters that a privacy collection notice is, by law, required to address. Service NSW will develop the content of the notice in consultation with Tenterfield Shire Council.

(d) Internal records maintained by Service NSW

(i) Under the *Service Act*, Service NSW is permitted to collect, maintain and use the following records for its internal administrative purposes, including for the purposes of its interactions with customers for whom functions are exercised:

- Details of transactions between customers and Service NSW
- The preferences of customers for transacting matters with Service NSW and Tenterfield Shire Council, and
- Other information about customers.

(ii) Service NSW collects, maintains and uses the following information for its internal administrative purposes:

- Details of transactions between customers and Service NSW
- The preferences of customers for transacting matters with Service NSW and Tenterfield Shire Council, and
- Other information about customers.

(e) Use of information

- (i) Service NSW can use information in accordance with the *Service Act*, PPIP Act and HRIP Act.

(f) Disclosure

- (i) Service NSW can disclose information in accordance with the *Service Act*, PPIP Act and HRIP Act.
- (ii) Where Service NSW performs a transaction for a customer, when exercising functions for the Council, it will ask the customer for consent before sharing that information with a different agency, unless there is another legal basis for Service NSW sharing the information.

(g) Privacy Management plans

The parties agree to update and periodically review their privacy management plans or other relevant policy documents so that any person can ascertain whether Service NSW or the Council holds personal information relating to that person and if so, the nature of the information, the main purposes for which it is used and the person's entitlement to access the information, in relation to the services covered by this Agreement.

(h) Access to and amendment of

- (i) Service NSW agrees that it will provide any individual who requests it with access to their own personal information without excessive delay and without any expense, in relation to information it holds as a result of exercising functions for the Council.

(i) Privacy Officer

The parties have nominated a Privacy Officer who is the point of contact for dealing with complaints, applications for internal reviews, data breaches, employee education and other privacy matters.

Privacy Officers can be contacted as follows:

Service NSW:

Privacy Officer
Service NSW
2-24 Rawson Place, Sydney NSW 2000
Phone: 13 77 88
Email: privacy@service.nsw.gov.au

Tenterfield Shire Council

Road Asset Management Plan



Department of Engineering Services

Tenterfield Shire Council

July 2021

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Road Asset Management Plan

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Introduction

1.1 Scope

Council is the Roads Authority for an extensive network of roads. Most of these roads are public roads as defined by the Roads Act 1993. Within the Shire there are also public and non-public roads and are not maintained by Council, but which provide public access to properties.

This Road Network Management Plan provides guidelines for determining whether a road is included in the Council-maintained road network. If a road meets the eligibility criteria, then it will be classified into the Council-maintained road network and thereafter managed by Council.

It is very important to understand that Council has limited resources. The standards included within this plan are the targeted outcomes for our road network and do not necessarily reflect the existing situation. This plan will assist in establishing a consistent standard and serviceability for a safe road network.

1.2 Objectives of the plan

Within the limit of available resources and in accordance with Council's Policies and adopted priorities, this plan outlines the strategies by which Council aims to provide:

- a reasonable standard of access for local and through traffic in rural, urban and village areas of Tenterfield Shire;
- a consistent and robust methodology for the inclusion/exclusion of roads and streets to be maintained;
- a road network which performs at an adequate functional level of service, consistent with road category and usage;
- a consistent and robust methodology to imposing road improvement charges or works in respect of development activities;
- an asset network that meets service requirements in a sustainably funded budgetary program.

This plan provides Council with:

- a management tool to assist in the compliance with Council's duty of care obligations in the road network;
- strategies to minimise Council's exposure to litigation through a program of affirmative action with regards inspecting, monitoring, assessing and responding to the condition of roads assets.

1.3 Outcomes

It is expected that the Road Network Management Plan will achieve the following outcomes:

- Establish road maintenance strategies which provide maximum serviceable life for each different road class given available resources.
- Effective lobbying of government sources for additional road funding through reliable and accurate data;
- A program to gradually increase the proportion of Council roads positioned within public road reserves;

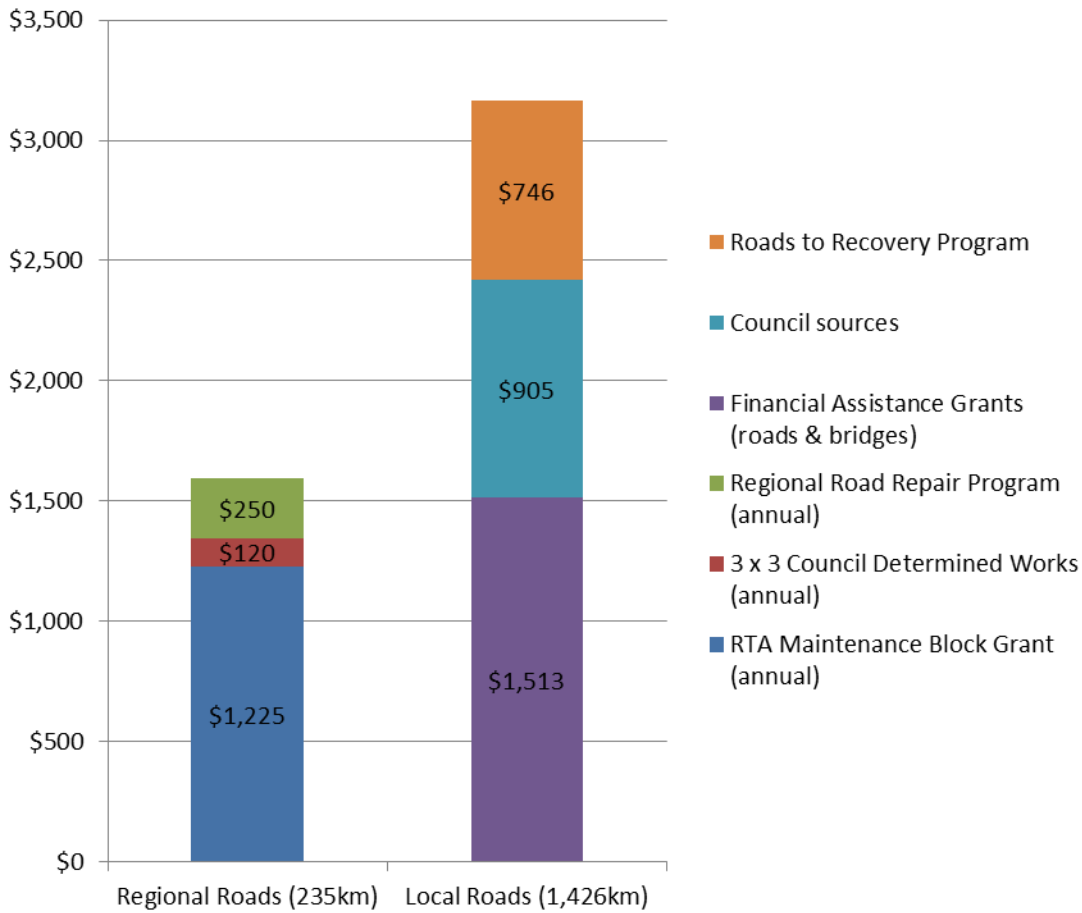
- Delivery of an evidence based roads program for the maintenance, renewal and upgrade based on a skilled stable local workforce supplemented with quality local contractors.

It is intended that this Road Asset Management Plan will be a living document. In order to achieve this, the Road Asset Management Plan should be reviewed at least once per Council term.

1.4 Funding

Council receives funding for road maintenance and construction from many sources. An indication of the typical funding sources can be seen in Figure 0-1.

Figure 0-1 Annual road funding for local and regional roads



Council determines the road program as part of its development of the annual Operations Plan based upon the funding available each year. As a general guide, priority for funding of roadworks will be given to:

1. Maintaining the existing road, street and bridge network including reseals;
2. Providing safety related improvements;
3. Gravel re-sheeting program;
4. Heavy patching and pavement rehabilitation of sealed roads;

The available funding for local roads is distributed between rural and urban roads to maintain service levels as best as is possible with available resources (

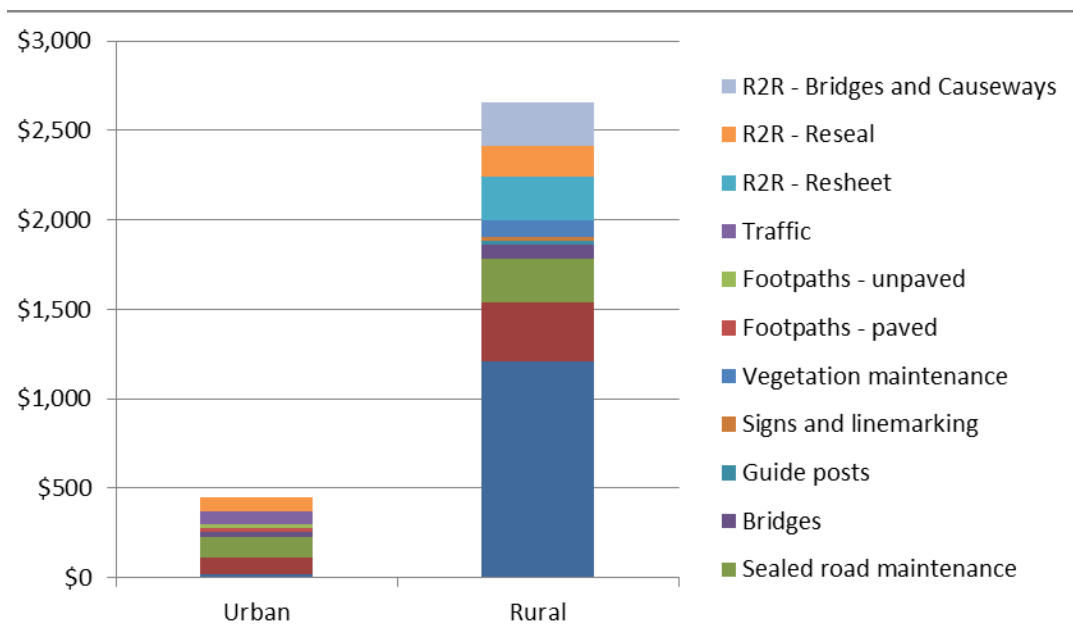
Figure 0-2 / Table 1-1). The large bias towards rural road funding is largely due to the size of the asset when compared to the urban road network.

Table 1-1 Distribution of local road funding

Activity	%
Unsealed maintenance	39%
Road drainage maintenance	13%
Sealed road maintenance	11%
Bridges	3%
Guide posts	1%
Signs and linemarking	1%
Vegetation maintenance	3%
Flood Remediation	2%
Footpaths - paved	1%
Footpaths - unpaved	1%
Traffic	2%
R2R - Resheet	8%
R2R - Reseal	8%
R2R - Bridges and Causeways	8%

Total

Figure 0-2 Distribution of local road funding



1.5 Road Hierarchy

The development of a **Road Hierarchy** recognises the relative importance of individual roads. It provides a mechanism for setting inspection frequencies, intervention levels, response times, construction standards, maintenance frequency and performance criteria, including such things as levels of flood immunity. The class of a road within the Road Hierarchy determines:

- target design standards for new road construction or rehabilitation – width, surface type, pavement thickness, drainage structures, etc;

- levels of service – how often a road is maintained and to what standard;
- inspection regime – how often inspected, intervention levels and response times for defects;

This Road Network Management Plan incorporates a Road Hierarchy where roads have been classified in accordance with a number of clearly defined and measurable criteria. It is anticipated that the most difficult decisions and the ones which will give rise to the most disputes will be about road classification. For this reason it is very important to have a way of determining a road's classification which is based on measurable criteria. These criteria must then be applied consistently throughout the Shire. This will ensure that the process can be presented to the community as fair, equitable and defensible.

1.5.1 How the class of roads is determined

All roads in the road schedule (Appendix A-C) have been classified using recorded data (e.g. traffic counts), and where data is not yet recorded, best estimates for each criteria. As more measurement takes place with time, and/or circumstances change, the classification for a road or a portion of a road may change. For longer roads, it is likely that different sections may have a different classification as the level of traffic changes and/or additional factors such as the presence of a school bus run impacts usage. Some roads may be classified at a higher grade where their potential to contribute to economic growth is identified. The case for any roads meeting these criteria is outlined in this plan.

1.5.2 Road network classification review

The road schedule is reviewed when the road asset management plan is revised.

1.5.3 The different road classes

The road classes in the hierarchy are:

Rural

- Class A – Regional Roads
- Class B – Primary Rural
- Class C – Secondary Rural
- Class D – Local Access
- Class E – Other Rural Roads

Urban

- Class A – Arterial (State Highways)
- Class B – Sub-Arterial (Regional Roads)
- Class C – Collector
- Class D – Local Access
- Class E – Lanes

The criteria for classifying roads are described in Sections 3 and 4.

1.6 Relevant legislation and legal considerations

The primary legislation defining the responsibilities of local and state authorities with regards to roads is the Roads Act 1993 although there are a number of additional pieces of legislation that impact on Council's responsibilities and powers.

A key consideration in the management of the road network is of course Council's potential liability to the travelling public. The current position is described by the Civil Liability Act 2002

Civil Liability Amendment (Personal Responsibilities) Act 2002

The Civil Liability Act 2002 (the Act) was passed by NSW Parliament on 20 November 2002.

The Act makes important changes to the way that courts deal with claims against public authorities including road authorities such as Councils. These changes recognise that services provided to the community by Councils are not provided for commercial gain but for the public good. The Act does not sanction a public authority to act in a negligent or unsafe way but will require the courts to take into account principles relating to the financial and other resources available to the authority, the general responsibilities of the authority, and its compliance with general practices and applicable standards.

The Act protects regulatory and roads authorities if they could have done something to avoid a risk but did not do so. Public authorities carry out what is often a limitless task with necessarily limited resources. The Act provides immunity for a public authority for breach of statutory duty unless it acted irrationally. A roads authority that has not exercised a discretionary power to mend a pothole will not be liable unless it actually knew about the particular risk that led to the injury. If the roads authority did know about the particular risk, it will still be able to rely on the general "resources" protection of the Act for public authorities.

The sections of the Act affecting the liability of Public Authorities are contained in Part 5 and particularly clauses 42 to 46 inclusive.

Section 42 requires Courts to weigh up a Council's resources and competing responsibilities when determining whether it owes, or has breached, a legal duty of care. In the process, it clarifies that the principles extend to all functions of a Council, not just those in the nature of a road authority.

Section 43 provides that a Council cannot be sued for breach of statutory duty unless the act or omission alleged is grossly unreasonable.

Section 44 provides that a Council is not liable for failing to exercise functions to regulate other parties activities, unless the Plaintiff would have had standing in other proceedings to compel Council to exercise that power. Section 44 provides immunity beyond that which exists at common Law but the immunity is confined to specific circumstances.

Section 45 is an attempt to codify the non-feasance immunity which existed at common law for roads authorities prior to 31 May 2001. The section states that a roads authority is immune from suit where the harm arises from a failure to carry out, or consider carrying out, road work unless at the time the authority had actual knowledge of the particular risk which caused the harm. Importantly, the section clarifies that liability does not arise just because the authority had knowledge of the risk.

Section 46 has twin intentions to ensure that where a Council exercise a function:

- It does not attract greater liability than if it had not exercised the function at all, and
- It is not to be taken as an indication the function should have been exercised previously, in that fashion.

For example, where a Council filled a pothole which tripped a claimant, that action cannot, of itself be taken as evidence of the action the Council should have taken prior to the fall. It is now much more difficult for courts to conclude that the post-accident exercise of a function constitutes evidence of negligence.

2. Public Road Management

Under the Roads Act 1993, Council only has a maintenance responsibility for public roads that have been dedicated to Council. In practice Council manages and maintains roads where this is not necessarily the case. This occurs because the legal status is not clearly defined for some roads, others are not on public road reserves, or sit on public road reserve for only part of their length and many are in crown reserves that have not been dedicated to Council.

Public roads have been created in the past, in numerous ways, under many different pieces of legislation. It is not always clear whether a road is or is not a public road, and at times it may be necessary to carry out extensive searches to determine the status of a road.

This plan assumes that all roads currently on the road register (Appendix A-C) are public roads. However, there are a number of public roads of varying legal status. These include:

- Roads owned by other authorities eg. Crown and State Forests; and
- Roads or sections of roads where the physical road is not contained within the legal road reserve.

Council is working progressively towards the dedication of all roads maintained by Council. However, where existing roads have minor deviations outside the Public Road Reserve, no action will be taken to correct the situation unless reconstruction of that section is planned to be undertaken or development applications are submitted for adjacent land. In the latter case, the developer will be responsible for the correct gazettal of the road only so far as the development allotments relate to the affected road reserve. Boundary adjustments will only apply to those adjusted lots that have to be redefined by survey.

2.1 Opening Public Roads

Part 2 of the Roads Act 1993 provides the legislative framework for the opening of public roads. The procedure to be followed by a roads authority for the opening of a public road is as follows:

- A plan of subdivision or other plan that bears a statement of intention to dedicate specified land as a public road is registered with the Registrar-General and becomes public road upon registration of the plan (section 9);
- Council may, by notice published in the Government Gazette, dedicate any land held by it as a public road (section 10);

2.2 Closing Public Roads

Part 4 of the Roads Act 1993 provides the legislative framework for the closing of public roads. The procedure to be followed by a roads authority to close a public road is as follows:

- Application by the roads authority (Council) to the Minister to close the public road (clause 34);
- Minister must advertise the road closure in a local newspaper calling for submissions within 28 days (clause 35);
- Consent issued by the roads authority (section 37);
- Minister publishes notice in Gazette closing the public road (section 37);

- Upon publication of notice, the road ceases to be public road and rights of passage and access are extinguished

2.3 Naming of Public Roads

Section 162 of the Roads Act 1993 provides for Council to name and number all public roads for which it is the roads authority. Roads include rural roads and town streets. Council must obtain the concurrence of the Transport for New South Wales in the case of a classified road. Council cannot proceed with a proposal to name or rename a road against an objection made by Australia Post, Department of Lands or the Asset (in the case of a classified road) except with the approval of the Minister.

The process for naming roads will be in accordance with the requirements of the NSW Address Policy, NSW Addressing User Manual, and NSW Retrospective Address Policy Guidelines released by the Geographical Names Board (GNB) of NSW and NSW Land & Property Information.

The GNB of NSW adopted and endorsed the NSW Address Policy, NSW Addressing User Manual and NSW Retrospective Address Policy on 31 March 2015. Where an update to the above documents is released by the GNB of NSW, the updated documents will supersede the requirements of the 31 March 2015 documentation.

2.4 Adding/deleting roads or streets to the road network

The following matters will be considered in determining whether a road/street not currently included the Road Hierarchy is eligible for inclusion:

- Is the road/street a “public road” as defined by the Roads Act 1993?
- How many properties does the road/street serve?
- Does the road/street meet the standards for the appropriate Road Class in Council’s hierarchy?
- Have all Development Consent conditions, where applicable, been fulfilled by the developer in respect of the road/access to allotments/development site?

A road/street which meets all of the criteria described below will become eligible for consideration by Council for inclusion in the Road Asset Management Plan. Council may, at its discretion, include any road/street that does not meet these criteria and set a Classification for the road/street in accordance with the guidelines provided in this document.

2.4.1 Procedure

When an application is received to include a road/street in Council’s Road Asset Management Plan, a report to Council will determine whether the road/street meets the eligibility criteria detailed below. Council may then consider all implications of including a section of road such a financial and liability issues.

Only if a section of road is included, Council will allocate resources from the time of inclusion of the road/street in Road Asset Management Plan towards the future management and maintenance of the road/street.

All new road/street lengths included to Council's Road Asset Management Plan will be noted on Council's asset database with the length included in subsequent Grants Commission Returns.

2.4.2 Eligibility Criteria

The following criteria must be met for a road to be added to Council's Road Asset Management Plan:

- the road must serve more than one property in different ownership; and
- the road must have the legal status as a "public road" as defined by the Roads Act 1993; and
- the road must meet the standards for the appropriate Road Class in Council's hierarchy; and
- where applicable, all Development Consent conditions must have been fulfilled by the developer in respect of the road/access.

All costs associated with achieving the above requirements shall be borne by the applicants seeking the inclusion of the road in Council's Road Asset Management Plan.

2.4.3 Properties Served

Public roads which provide access to two properties with different ownership will only be eligible for the lowest classification under Council's road hierarchy system. In any event, Council shall only maintain any no-through-road to, at most, the property boundary of the last property.

Council will not accept any maintenance or improvement responsibility for internal access roads, regardless of the legal status of such access roads.

2.4.4 Existing maintenance arrangements

Where a public road only serves a single property but is included on the road register due to historical maintenance arrangements, Council may either continue its inclusion on the register as the lowest class of road, or remove it from the register at its discretion.

2.5 Roads Ineligible for Inclusion in Road Network

Those roads that are not being maintained by Council at the time this Plan is adopted will not be admitted to the road register unless the conditions listed in Section 2.4 are met and Council resolved to add them.

Roads not currently maintained and managed by Council include:

- Dedicated public roads or part thereof, which Council has chosen not to maintain;
- Public Roads which have not been constructed.

3. Rural roads

With respect to rural roads, this Plan deals only with roads classified as Regional and Local and therefore under the control of Council as a roads authority. The major roads of the New England Highway and the Bruxner Highway to the East of Tenterfield are state highways and under the control of TfNSW. The Road Hierarchy is as described below in Table 3-1.

Table 3-1 Rural Road Classifications

Road Class	Description of Class
A – Regional Roads	Regional roads form part of the State-wide Regional network of roads, providing transport links between major towns and cities. They are roads classified in accordance with the NSW State Government’s classification system and are included in the calculation of Council’s annual Block Grant for Regional Roads.
B – Primary Rural	Primary Rural roads are the highest priority rural local roads and carry higher traffic volumes greater than 75 vehicles per day. Historically continuous school bus routes and roads which carry greater than 3% heavy vehicles are eligible for classification as Primary Rural.
C – Secondary Rural	Secondary Rural roads principally provide access from abutting properties to through roads (class A, B and C roads). These roads are non-through roads that service at least 10 properties in different ownership. These roads carry traffic volumes greater than 50 vehicles per day may include a school bus route.
D – Local Access	Local Access roads principally provide access from abutting properties to through roads (Class A, B or C). They are non-through roads that provide access to between 3 and 10 abutting properties in different ownership with approved residential dwellings. These roads carry lower volumes of traffic that Class C roads.
E – Other Rural Roads	Other Rural Roads provide access to secondary access roads or through roads (class A, B, C, D and E). They are non-through road that provide access for up to 2 properties in different ownership often without full time residences. These roads carry very low volumes of traffic. Maintenance occurs on a risk based needs approach.

3.1 Road Safety

Maintenance work necessary to ensure a road is safe will be carried out as and when required, irrespective of the class of road or the maintenance strategy for that class of road. Priority shall also be given to enhancement work that is assessed by the appropriately qualified technical people as required to rectify road safety problems.

Council uses a risk management approach to the maintenance of safety on the road network through a system of formal inspections, evaluation of the risk to road users and control of the risk by the use of appropriate maintenance activities. The risk evaluation is based on a rating system, with high risk problems prioritised.

3.1.1 Inspections

Regular inspections of the road network are made to identify defects and risks to motorists. These inspections are applied to both sealed and unsealed roads and are designed to identify potential defects likely to cause damage to the roadway or vehicle. Roads principally provide access from abutting properties to through roads (class A, B and C roads). These roads are non-through roads that service at least 10 properties in different ownership. These roads carry traffic volumes greater than 50 vehicles per day may include a school bus route.

Roads may be inspected by recording camera video of the travelled way as a record of condition and safety at the time of that inspection.

Inspections identify defects such as the following:

- potholes, corrugations, rutting & other pavement defects;
- edge break & shoulder scouring;
- objects/debris on road;
- vegetation causing sight distance problems.

which affect:

- roads;
- guideposts & signs;
- bridges and approaches;
- table drains;
- shoulders;
- roadside vegetation;
- drainage structures;
- traffic barriers.

Inspections are also carried out at night to check:

- reflectivity of signs and delineators;
- location & spacing of guideposts;
- condition & effectiveness of line marking & other traffic devices.

Inspections will be undertaken upon receipt of a public complaint, or as part of the regular inspection process. The following table identifies the minimum frequency of inspections to be undertaken based on road class. Inspections may occur at any time during the maintenance cycle, but are targeted to occur after half of the maintenance cycle has expired.

Table 3-2 Inspection Frequency

Inspection Type	Road Class				
	Regional	Primary Rural	Secondary Rural	Local Access	Other Rural Roads
Safety & Road	6 mths	12 mths	12 mths	2 years	4 yrs
Night	12 mths	2 yrs	Nil	Nil	Nil

3.1.2 Risk Evaluation

Risk evaluation will be undertaken using a rating formula considering the type of the observed defect and the likelihood of it causing a problem for traffic. Scores for the likelihood of occurrence and common types of defects are described in Appendix F: .

The likelihood of a hazard causing an accident or damage is largely a value judgement by the inspector and should consider;

- The volume of traffic on the road
- The location of the hazard relative to the travelling lane
- The nature of the hazard
- The road alignment – both horizontal and vertical curves (crests).

The risk score is calculated as the product of the likelihood of occurrence and hazard type.

Figure 3-1 Risk score matrix

		Likelihood of problem				
		1	2	3	4	5
Hazard Type	1	1	2	3	4	5
	2	2	4	6	8	10
	3	3	6	9	12	15
	4	4	8	12	16	20
	5	5	10	15	20	25

3.1.3 Risk Control

The type and style of control technique adopted to address identified risks will depend on the resources, facilities and expertise available, although there are some basic control measures that are generally implemented:

- Use of warning signs and lights to alert road user of the potential hazard that exists up ahead;
- Erection of temporary barriers or barricades and lights around the area until it can be repaired;
- Effecting repair of the damaged area; and/or

- Planning and allocating resources for the long term rectification of the defect.

The factor that is common to all of the above control measures is the time to respond. Table 3-3 sets out the response times for various Road Risk Ratings.

Table 3-3 Target Road Risk Action Response Times

RISK RATING	PRIORITY	CONTROL MECHANISM	RESPONSE TIME
Up to 4	Low	Monitor	N/A
5 - 9	Medium	Inspect and make safe Effect repair	Within 2 weeks Within 3 months
10-14	High	Inspect and make safe Effect repair	Within 1 week Within 3 months
15-19	Very High	Inspect and make safe Effect repair	Within 2 working days Within 1 month
20+	Urgent	Inspect and make safe Effect repair	Within 1 working day Within 2 working days

All response times are subject to accessibility of crews to attend safely and undertake any works in regard to safety of the crew and the public. Some extreme situations may prohibit response on the basis of safety, ie wet weather flooding and storm events.

3.2 Maintenance and renewal

The following sections detail specific maintenance and renewal activities applicable to all sealed and unsealed roads. Both sealed and unsealed roads are subject to two different categories of maintenance – planned and unplanned. Planned maintenance and renewal is that which occurs as part of Council’s asset management schedule and most commonly involves the grading of gravel roads and resealing of sealed roads. Unplanned maintenance is reactive and occurs in response to dangerous conditions, or significant degradation of the surface to the point that it is well below a serviceable standard.

Renewal of the network is where major works are undertaken to restore sections of road to a new or near new standard. These works may include:

- Gravel resheeting;
- Road resealing, reconstruction or rehabilitation;
- Replacement of drainage structures;
- Replacement of bridges and causeways.

Where insufficient funds are available to enable the work identified in the maintenance and renewal schedules, the unfunded amount will be identified in the Road Network Asset Management Plan as “Backlog” works.

3.2.1 Unsealed Roads

Council has over 1200 km of unsealed roads for which it has accepted maintenance responsibility. The annual budget for the maintenance of these roads includes routine grading, drainage and capital renewal through the gravel resheeting programme.

The maintenance of unsealed roads must deal with dynamic situations in which road conditions change significantly due to climatic conditions (usually heavy rainfall) and traffic changes over a very short period of time. Planned maintenance activities are primarily aimed at restoring the riding surface to an acceptable condition (e.g. repairing potholes, corrugations, ravelling, etc), and correcting the drainage system to preserve the pavement on a regular basis. Unplanned maintenance may involve filling of significant potholes, removal of significant corrugations or fill in of wash outs in response to identified serviceability or safety issues.

3.2.1.1 Planned Maintenance

Maintenance Grading

Unsealed roads require regular grader maintenance due to the effects of weather and passing traffic on the exposed aggregated surface.

Planned Maintenance Grading is designed to restore the shape of the road, remove potholes and ruts, remove corrugations, repair and clean out drainage and compact the running surface. The type of grading will depend on the site conditions and the condition of the road and will range from surface correction with a light grade, watering and rolling to the scarifying of the surface to the depth of the pothole, rut or corrugation generally up to 100 mm. Compaction is essential and is achieved by application of water (water cart) and compaction using a roller.

On completion of maintenance grading, the road surface will be shaped to a crown with crossfalls of 3-6% on straights or to a uniform one-way crossfall of 3-6% depending on road class and horizontal curvature. This crossfall will allow water to shed from the pavement as quickly as possible to minimise the formation of potholes.

Tenterfield Shire has been split into 3 sectors with approximately equal lengths of unsealed roads. Details of the roads in each sector including the order that roads will be maintained can be found in **Error! Reference source not found.** It is important to note that the maintenance register show the progression of roads in the cycle, not precise dates by which dates will be maintained. It is likely that the start dates for maintenance on individual roads will be later than that listed due to weather, or upgrades to selected roads. Further, not every road is maintained every year. D Class roads are maintained on a bi-annual basis and their inclusion in the schedule for the year does not mean they will be graded if it is not their turn that year.

The sectors have approximately 400 km of unsealed roads each. Each sector has been assigned a gravel road maintenance gang consisting of a grader and watercart. Each gang has either a roller attachment for the grader, or a separate roller.

The maintenance of each class of road occurs on a cycle in accordance with Table 3-4 below.

Table 3-4 Target Maintenance cycle

Class	Description	Planned Maintenance
A	Regional Roads	6 monthly
B	Primary Rural	12 month cycle
C	Secondary Rural	18 month cycle
D	Local Access	3 year cycle
E	Other Rural Road	On risk based analysis.

Resheeting

Part of the process for maintaining a running surface on unsealed roads is the addition of material to replace material lost through wear, erosion or grading. As many roads in Tenterfield are built on and from granite soils, this material can sometimes be sourced locally from the road alignment, or alternatively by recovering material previously lost to the verges. However, where clay or other unsuitable road foundation soils exist, roads may require resheeting using imported gravels.

The annual gravel resheeting program is developed during the preparation of the Operational Plan with an annual budget of approximately \$250,000 which funds 12.5km. The programmed replacement period for gravel resheeting is in accordance with Table 3-5.

Table 3-5 Target Resheeting program

Class	Description	Frequency of Resheeting (years)
A	Regional Roads	10
B	Primary Rural	15
C	Secondary Rural	20
D	Local Access	None except for safety and trafficability
E	Other Rural Road	None

When unsealed roads are resheeted with gravel, the targeted compacted thickness of gravel will generally be 100 mm irrespective of their classification. This thickness is based on the requirement of 2.5 times the maximum particle size for effective compaction.

The quality of pavement materials for use in unsealed road resheeting will generally be determined by the availability of naturally occurring materials in the area of the resheet. Gravels with a CBR of at least 15 (although preferably higher) and PI between 5 and 15 will be used where available.

Prior to resheeting, the road will be shaped to the widths specified in Section 3.3. After placement of the gravel resheeting, there should be a uniform thickness of gravel.

3.2.1.2 Unplanned Maintenance

Unplanned maintenance of gravel roads is remedial work conducted to rectify an unsafe hazard, or to undertake localized remediation to damaged surfaces. Unplanned maintenance may include:

- filling potholes;
- removing corrugations;
- unblocking drains;
- replacing traffic control devices e.g. signs and guideposts
- removing obstructions including tree branches

Unplanned maintenance is often completed using different equipment to planned maintenance (usually a backhoe) and will not result in the quality of surface achieved by a grader crew. Unplanned maintenance is triggered through programmed inspections or public reports and complaints.

3.2.2 Sealed Roads

Council has over 400 km of sealed roads for which it has accepted maintenance responsibility. The annual budget for the maintenance of the surface of these roads is in the order of \$650,000 annually including drainage and reseals, or about 23% of the annual local road budget. Of this, approximately 65% is spent on rural roads.

Planned maintenance and renewal are carried out to prolong the life of sealed roads and include resurfacing, rejuvenation, reconstruction and shoulder re-sheeting. Council's limited resources mean that, although we have targets for resealing, there will be a backlog due to a lack of funds.

Unplanned maintenance activities are primarily aimed at maintaining the wearing surface to an acceptable condition and include patching potholes, heavy patching, crack sealing, repairing edge breaks, etc. Due to their extent, timing and means of execution, these types of maintenance activities are not amenable to detailed forward planning. Consequently, a reporting system for recording public reports and complaints, and a system of regular inspections (refer section 3.1.1) has been developed so that repairs can be scheduled for assignment to the sealed road maintenance gangs. Other maintenance activities completed on an "on-demand" basis include drainage (cleaning surface drains, culverts, etc), vegetation, road signs and road furniture maintenance.

This plan separates out those seals which are not part of a continuous sealed section into a register of **Orphan Seals**. Orphan seals are those seals installed for short stretches for dust abatements, floodway protection or to improve the safety of steep grades. These seals are on roads which are otherwise gravel and therefore have a much lower level of service. Orphan seals are road sections less than 1km long with gravel at

each end, and the sections less than 200m at the start of the intersection of a sealed road and an otherwise gravel road, that are generally constructed for the protection of the connecting sealed road.

Planned Maintenance

Bitumen Resealing

Bitumen resealing is undertaken to prevent further surface deterioration, to seal fine cracks, to prevent the infiltration of water into the pavement, to inhibit oxidation and hardening of the existing surface and to restore skid resistance.

The desirable bitumen resealing frequency is every 10 to 20 years. This is determined primarily by the rate of oxidation of the bitumen. Traffic volumes also affect the rate of deterioration of the sealed pavements with lower traffic volumes resulting in faster rates of oxidation and hence cracking and higher traffic volumes accelerate deterioration of the seal after it has begun to crack.

Table 3-6 Target resealing frequencies

Class	Description	Full Reseal (years)
A	Regional Roads	10
B	Primary Rural	15
C	Secondary Rural	15
D	Local Access	20 (if applicable)
E	Other Rural Road	Not applicable

3.2.2.1 Unplanned Maintenance

Heavy Patching

Heavy patching is defined as the replacement of failed pavement, including primer sealing, up to an area of 500 square metres. Heavy patching will generally be carried out where defects have been identified through inspection or public reports/complaints. Heavy patching is also carried out prior to resealing.

Shoulder Grading/Re-sheeting

Shoulder grading is required when the shape or level of the shoulder is such that the adjacent sealed pavement cannot be drained adequately because of the build-up of vegetation, where the pavement cannot be adequately supported by the shoulder material, or when the edge drop off on sealed roads reaches the intervention level. Shoulder grading will generally be carried out on sections of road where resealing is programmed as a priority and at other locations where required by inspection. Shoulder grading will involve

the use of a grader, roller and water cart as required. The crossfall of the shoulder will generally be 1-2% higher than that of the adjacent sealed surface to ensure that water does not penetrate the pavement gravel. Shoulder grading/resheeting will often require equipment such as a backhoe to complete additional drainage work.

Shoulder resheeting will be required where there is insufficient shoulder material available to provide an adequate crossfall and will be constructed to ensure the integrity of the road. This will require benching into the existing shoulder to prevent lamination, compaction with moisture adjustment and construction of a shoulder sufficiently wide to ensure the integrity of table drains.

3.2.3 Both Sealed and Unsealed Roads

3.2.3.1 Drainage

The maintenance of the road drainage system includes the cleaning out and repairing of culverts, clearing of inlet and outlet of drains, and regrading table drains.

Some of this work is carried out on gravel roads as part of the normal maintenance grading activity. The balance of this work, particularly on sealed roads, will be programmed based on Inspections. Silt and debris will be disposed of where it will not cause further silting either on batters or into stockpiles

3.2.3.2 Guide Posts

Guide posts will be installed or replaced generally on sealed roads only where there is a high component of through traffic that may be using the road at night or be unfamiliar with the road. However, because of specific hazards that may occur at other locations, guideposts will also be installed and/or replaced at the locations specified in the following table:

Table 3-7 Guide Posts

Class	Description	General	Culverts	Bridges	Causeways	Curves	Crest
A	Regional Roads	Where sealed	Req'd	Req'd	Req'd	Req'd	Req'd
B	Primary Rural	Where sealed	Req'd	Req'd	Req'd	Req'd	Req'd
C	Secondary Rural	-	Req'd	Req'd	Req'd	-	-
D	Local Access	-	Req'd	Req'd	Req'd	-	-
E	Other Rural Road	-	Not Req'd	No	Not Req'd	-	-

Where installed, guide post are spaced in accordance with the requirements of the TfNSW Road Design Guide. Guideposts shall be installed at the end of each culvert and on the approach side. Guideposts shall be installed on both edges of causeways and on approaches and departures as specified in section 5.4.4. Each guidepost will have a red and white reflector (Diamond Grade).

3.2.3.3 Signposting

Signposting will be used to warn motorists of road conditions, including consideration where appropriate for No Through Road signs at the start of terminating roads, Dry Weather Road Only and 4WD Only warning signs where appropriate.

Road name signs (fingerboard Type G5-1) will be provided at the start of all roads and at major junctions along the roads.

On sealed portions of A class roads (regional roads), “gravel road” (type W5-19), “next km” (type W8-17-1) and the sliding car symbol (type W5-20) warning signposting (or similar as appropriate for each situation) will be installed prior to the commencement of an unsealed surface. The distance will be to the next sealed section of road. Where the length of sealed surface is less than 1km, such as at dust abatements, no warning signposting will be required.

Curve warning signposting (type W1-1 to W1-7 inclusive) will be provided on the approaches to curves on class A, B, and C roads where there is a significant (at least 20km/hr) change in speed necessary to safely navigate the curve radius. No advisory speed signposting will be provided. Hazard markers (type D4-1-2 or D4-1-3) will be considered for signposted curves where the necessary change in speed is 30km/hr or more.

All causeways/floodways on class A, B and C roads will be considered for flood depth indicators and Causeway (W5-4) or Floodway (W5-7) warning signs as appropriate and Road Narrows (W4-1) when the causeway width is less than the approaching pavement width installed on each approach. Additional warning signs indicating “Road Subject to Flooding, indicators show depth” (G9-21) may be installed on both approaches to causeways/floodways on Class A, B and C roads only where there is a higher component of through traffic that may be unfamiliar with the road.

3.2.3.4 Vegetation Control

The control of vegetation on road shoulders will only be undertaken adjacent to sealed road pavements. This may take the form of slashing with a tractor slasher or chemical control using spraying. On unsealed roads, no vegetation control will be undertaken except for the control of noxious weeds as required or where it is required to resolve a specific safety issue.

In rural areas the following applies:

- 1) It is the accepted practice in Tenterfield Shire Council for owners and residents of land in rural areas to maintain the strip of land between their boundary fence and the road formation to protect and enhance their investment.
- 2) The Director Infrastructure be authorised to arrange for slashing or burning, (following consultation with the FCO or Brigade Captain as appropriate) by Council staff of these areas when they are situated in front of vacant or long term unoccupied land and present a safety or fire hazard, vermin harbour, or if it is in the public interest. Following slashing, Council does not remove the grass cuttings.

In rural areas the slashing of verges will generally be undertaken along the immediate shoulder of the road or wider to enhance safety by removing sight distance obstructions.

3) The Director Infrastructure is authorised to issue permits under Section 138 of the Roads Act 1993, to carry out activities within the Road Reserve which may include burning off or tree clearing adjacent to boundary fences or to improve sight distance at vehicular access crossings.

3.3 Enhancement

Enhancement is any work which improves a road to a higher standard than it has previously achieved and may include:

- Road rehabilitation (gravel overlay, in situ stabilisation)
- Road reconstruction
- Road realignment
- Road widening
- Sealing (including dust abatements)
- Drainage improvements
- Upgrading or replacing of bridges and causeways

This section details the standards that will be used when enhancement work is carried out on the road network.

3.3.1 Standards

3.3.1.1 Road Design Standards

Road enhancement work will be designed to the minimum design criteria in Table 3-. The road will comply with all Council standard drawings.

Table 3-8 Road Design Standards

Road Class	Description	Carriageway Type	Pavement Width	Surface Width & Type	Design Speed
A	Regional	2 lane two way	8.0	Sealed 6.5m	80 km/hr
B	Primary Rural	2 lane two way	7.0	Sealed 6m or 7m unsealed	70 km/hr
C	Secondary Rural	1 lane two way	6.0	6m unsealed	60 km/hr
D	Local Access	1 lane two way	5.0	5m unsealed	50 km/hr
E	Other Rural Road	1 lane	3.0m	unsealed	Low

New engineering infrastructure constructed by Council or others will be in accordance with Austroads guides and Australian Standards. Where further detail is required, reference to the latest revision of the Standard Drawings developed by the IPWEA may be included.

Compliance with the IPWEA standard drawings is not required when:

- A specific design requirement is described in another Council policy;
- An explicit condition of a Council Development Application conflicts with the Standard Drawings;
- Requirements of another Authority, for example Transport for New South Wales (TfNSW) conflict with the Standard Drawings;
- The Council's Director Infrastructure approves an alternative design on the basis of considerations including (but not limited to) site conditions, cost benefit or geometric restraints

3.3.1.2 Drainage Structures

Drainage improvement work will be carried out to standards in Table 3- and will be in accordance with Austroads design and Council standard drawings where applicable.

Table 3-9 Drainage standards for new roads

Class	Description	Width of Road Over Drainage Structures		
		Culvert	Causeway	Bridge
A	Regional	9.76m minimum	8.0m	8.0m
B	Primary Rural	7.2m	6.0m	8.0m
C	Secondary Rural	6.0m	6.0m	5.0m
D	Local Access	6.0m	4.0m	5.0m
E	Other Rural Road	7.3m	4.0m	N/A

3.3.1.3 Dust Abatements

Dust Abatements shall be constructed to the width for the class of road as specified previously under the Standards of Enhancement for Rural and Urban roads respectively.

Dust abatement on gravel roads is the sealing of short sections of road for the benefit of property owners with houses near the road, to reduce the effects of dust caused by passing traffic.

The principal beneficiary of the dust abatement is the property owner submitting the application. The cost of installing and maintaining sealed sections of road is higher than that for gravel roads, therefore the owner is also responsible for all costs of the seal installation and any maintenance the sealed section of road requires, including reseals.

Council will pay for all preparation to the gravel to the standard normally carried out by Council for gravel road maintenance prior to sealing.

Dust Abatements Inspections and Maintenance

Resealing is a process of applying a new seal over an existing one when the seal starts to fail, thus establishing a new surface. The property owner adjacent to the seal is responsible for ensuring the sealed section is resealed when required. Where Council's inspection of its road network identifies a deteriorating section in need of resealing, the Council may advise the owner but is under no obligation to do so.

Council may, at its discretion, undertake routine patching maintenance at no cost to the property owner if there are other works in the area, but generally the cost of patching and all reseals remains the responsibility of the property owner.

Extent of Work and Costs for Dust Abatements

The minimum length of a dust abatement section is 100 metres, the width is that specified for an equivalent sealed road of the class of road in the current approved Road Network Management Plan. The applicant is may request what length of dust abatement that is carried out, if a section greater than 100 metres in length, subject to Council concurrence. Sealing works can be completed by either a contractor approved by Council or following a request to Council for inclusion into a future works program.

Road Network Extensions

Road and stormwater infrastructure shall be constructed in accordance with Councils Standards of Enhancement – Sections 3.3.1.1 (Rural) or 4.5.2.1 (Urban) at the road hierarchy of the maximum expected usage of the proposed subdivision or road extension.

3.3.1.4 Revegetating Exposed Surfaces after Construction

Where large bare areas are created during construction works (larger than those normally created during routine maintenance), these areas shall be revegetated. Revegetating can be in the form of mulch, topsoil and seed, seeded jute mesh and bitumen emulsion or any other proprietary product that provides a revegetated surface.

4. Urban and village streets

4.1 Classification

Council has approx. 74 km of urban and village streets as described in the Urban Road Register (Appendix C:). For a street in a town or village area to be eligible for maintenance by Council, it must be included in the Urban Road Register.

4.1.1 Criteria

The criteria used in this classification system are:

- The traffic volume using the road;
- Whether the street is part of a school bus route;
- Density of homes;
- Whether the street is being used to access property or is used by traffic to pass through the area.

4.1.2 Street Classes

The Street Hierarchy has been based on the AUSTROADS publication “Guide to Traffic Engineering Practice” and provides for five classifications of street as follows:

Table 4-1 Street Classes

Class	Street description
A	Arterial
B	Sub-arterial
C	Collector
D	Local access
E	Lanes

4.1.2.1 Class A – Arterial

Arterial Streets provide principal avenues of communication and links between parts of large cities or between major towns and cities. Within the towns and villages of Tenterfield Shire, only the New England Highway and Bruxner Highway perform this function. They are roads classified as National or State in accordance with the State Government’s classification system. Maintenance on the central portion of the road is the responsibility of State and Federal Governments. However, Council has a maintenance responsibility for the parking lanes, footpaths and road reserve of these roads.

4.1.2.2 Class B – Sub – Arterial Streets

Sub-Arterial Streets are those streets which connect arterial streets to areas of development and other major areas of the town or shire. These streets carry high traffic volumes with a broad range of vehicle types. In the towns and villages of Tenterfield Shire, only the Regional Roads meet these requirements.

4.1.2.3 Class C – Collector Streets

Collector streets are those streets which provide a link for traffic from the residential street system, some rural areas, industrial areas and other trip generators to other collector streets, sub-arterial or arterial streets.

4.1.2.4 Class D – Local Access Streets

Local Access Streets are streets which principally provide access to and from property. These streets generally carry low traffic volumes and form the bulk of streets within Tenterfield Shire.

4.1.2.5 Class E – Lanes

These streets generally provide alternative access to properties. They are narrower than Class D streets and generally have very low traffic volumes.

4.2 Road Safety

4.2.1 Introduction

Maintenance work necessary to ensure a road is safe will be carried out as and when required, irrespective of the class of road or the maintenance strategy for that class of road. Priority is given to enhancement work that is assessed by the appropriately qualified technical people as required to rectify road safety problems.

Council uses a risk management approach to the maintenance of safety on the road network through a system of formal inspections, evaluation of the risk to road users and control of the risk by the use of appropriate maintenance activities. The risk evaluation is based on a rating system, with high risk problems prioritised.

4.2.2 Inspections

Various types of Inspection will be made to identify defects and risks to motorists and pedestrians. These inspections will be applied to both sealed and unsealed streets and are the same as listed in Section 3.1.1 Inspections.

The following table identifies the minimum frequency of inspections to be undertaken on town and village streets. In general, it will not be necessary to regularly inspect streets at night due to the presence of street lighting.

Table 4-2 Urban road inspection frequency

Inspection Type	Road Class				
	A	B	C	D	E
Safety & Road	6 month	1 year	1 year	1 year	2 years

4.2.3 Evaluation

Evaluation of the information collected from the above inspections will be made in accordance with section 3.1.2 Risk Evaluation.

4.2.4 Control

Generally, control measures which will be implemented on town and village streets will be the same as shown in section 3.1.3 Risk Control.

4.3 Footpath Safety

4.3.1 Inspections

In addition to the inspections detailed in section 4.2 Road Safety, inspections will also be undertaken on footpaths in town and village areas. Details of the inspections are shown in the following table:

Table 4-3 Footpath inspections

Type	Purpose	Defects to be identified	Requirements
Footpath	Identify defects likely to pose a danger or safety threat to pedestrians	<ul style="list-style-type: none"> • Trip hazards – cracks, pavers, roots, etc; • Irregular surfaces, holes, slippery, etc; • Obstructions, overhanging limbs, etc; • Sigange • Lighting – dark spots 	Walk footpaths and record defects

The minimum frequency of inspection to be undertaken will be based on footpath type and the number of pedestrians using the facility as shown in the following table. Records of inspection will be kept (refer Appendix G: - Forms) and used to determine the programmed maintenance works. Any defects that cannot be rectified within the specified response time will be listed in a Maintenance Defects Register and will become back-log maintenance works.

Table 4-4 Footpath inspection frequencies

Pedestrian Volume	Frequency
Very High (CBD)	6 months
Medium (paved)	12 months
Low (unpaved)	Nil

4.3.2 Evaluation and Control

As there are relatively few paved footpaths in Tenterfield Shire, evaluation of the information collected from the above inspections will be made on a case by case basis and any defect likely to impact on safety will have measures to make them safe and repaired implemented in accordance with Table 4-.

Table 4-5 Target Footpath Response Times

Pedestrian Volume	Response Time (Make Safe)	Response Time (Repair)
Very High	1 day	2 weeks
Medium	2 days	1 month
Low	5 days	2 months

4.4 Maintenance and renewal

The following sections detail specific maintenance activities applicable to all sealed and unsealed urban streets. Other maintenance activities which are not detailed will continue to be done for all street classes on an 'as required' basis.

Reference is made throughout this section to a visual condition rating system which is used to rate the condition of many aspects of sealed and unsealed streets.

The standard of maintenance for different classes of street and the deterioration which is allowed to occur before appropriate maintenance is carried out is based in part on the visual condition rating system. Where insufficient funds are provided to enable the identified work to be undertaken, the unfunded amount will be listed in the Maintenance Defects Register as "Backlog" works.

4.4.1 Unsealed Streets

Planned and unplanned maintenance for unsealed streets is similar to that for Class C roads as described section 3.2.1 Unsealed Roads.

4.4.2 Sealed Streets

Planned and unplanned maintenance for unsealed streets is similar to that for sealed roads as described in section 3.2.2 Sealed Roads, excepting the resealing program which is in accordance with Table 4-.

Table 4-6 Urban street reseal program

Class	Description	Reseal (years)
A	Arterial (shoulders)	20
B	Sub-arterial	12
C	Collector	15
D	Local access	15
E	Lanes	20

The Reseal Program is subject to budget funding.

4.4.3 Both Sealed and Unsealed Streets

4.4.3.1 Drainage

The maintenance of the street drainage system includes such work as cleaning out and repairing culverts; clearing the inlets and outlets of drains and pits; regrading shoulders, table drains and open channel. Some of this work is carried out on gravel streets as part of the normal maintenance grading activity. The balance of this work, particularly on sealed streets, will be programmed based on condition inspections.

4.4.3.2 Guide Posts

Guideposts are generally not required in urban or village areas where kerb and gutter exists. Guideposts will be installed on other streets where street lighting is poor and on each approach to piped accesses. Guideposts will also be installed at each culvert end.

Guide Posts, where installed, will be spaced in accordance with the TfNSW Road Design Guide.

4.4.3.3 Road Verges

The procedure for maintenance of verges shall include;

1) It is the accepted practice in Tenterfield Shire Council for owners and residents of land in urban areas to maintain the strip of land between their boundary fence and the road formation to protect and enhance their investment. Such maintenance includes, but is not limited to mowing, edging and weeding.

In urban areas vegetation control by Council may include slashing of the verge to enhance safety.

4.5 Enhancement

4.5.1 Introduction

Enhancement work is any work which increases the value of the street network. These works may include:

- Street rehabilitation;
- Street reconstruction;
- Street realignment;
- Street widening;
- Sealing;
- Drainage improvements;
- Upgrading or replacing bridges;
- Developing and upgrading footpaths/cycleways.

This section details the standards that will be used when enhancement work is carried out on the street network.

4.5.2 Standards

4.5.2.1 Street Design Standards

Street enhancement work will be carried out to the following standards excepting in the case of physical or budgetary constraints.

Table 4-7 Street Design Standards

Class	Description	Urban		Villages	
		Min. Seal	K to K	Min. Seal	K to K
A	Arterial	7 m	13 m	7 m	13 m
B	Sub-Arterial	7 m	13 m	7 m	10 m
C	Collector	7 m	11-13 m	7 m	11-13 m
D	Local Access	6 m	10 m	6 m	8 m
E	Lane	5 m	5 m	5 m	5 m

4.5.2.2 Drainage Structures

Drainage improvement work will be carried out to the following standards.

Table 4-8 Drainage Structures

Class	Description	Width of street over drainage structures	Target minimum frequency of drainage structures overtopping (yrs)
A	Arterial	8.5	10
B	Sub-Arterial	6.0	10
C	Collector	6.0	10
D	Local Access	6.0	5
E	Lanes	6.0	2

4.5.2.3 Kerb & Gutter

Where Kerb and Gutter is required, it will be constructed in accordance with the Australian Standard design.

Contributions

Contributions for kerbing and guttering will be sought from adjoining landowners in accordance with the requirements of the Roads Act 1993 at a rate of 50% of the cost of construction. The rate for this work will be set annually in the Fees and Charges. Contributions for kerbing and guttering will be sought from adjoining landowners on corner lots in accordance with Kerb and Gutter – Contributions (Corner Lots);

That contributions for kerbing and guttering along side boundaries of corner lots be charged at a concessional rate of one half the contribution rate set in Council's annual scale of Fees and Charges for normal frontages, subject to the following conditions:-

- 1) The concession shall only apply to the corner lot; and
- 2) The concession shall be applied to the shortest boundary.

Granite Gutter

Where concrete kerb and gutter works are to be undertaken to replace granite guttering blocks, such works will be undertaken in accordance with Kerb and Gutter - Replacement of Granite Gutter Blocks

That where concrete kerb and gutter works are to be undertaken to replace granite and guttering blocks, that such works will not be undertaken without prior consultation with the community, affected adjacent landowners and Council's Heritage Advisor.

Consent to proceed with the replacement of granite gutter blocks with concrete kerb and guttering will be subject to the formal approval of Council subsequent to the completion of the consultation process.

Concrete/Paved Footpath and cycleways

Council may provide concrete paving on footpaths for reasons of amenity or safety. The minimum width of footpaths will be 1.2m. Concrete footpaths are generally installed only where connected to the existing footpath network or between distinct community facilities with high volumes of pedestrian traffic.

Cycleways, will be constructed in accordance with Austroad's *Cycling Aspects of Austroads Guides 2011*.

Gutter crossings

Where Council disturbs a properly constructed gutter crossing during any works program, the cost of restoration is to be charged to the works being undertaken. In all other instances the cost of work on gutter crossings is to be paid for by the landowner.

4.5.2.4 Signposting

Signposting will be used to provide information, regulate traffic movement and warn motorists of changes in road conditions. Specifically, *No Through Road* signs will be installed at the start of dead end streets. *Dry Weather Only* and *4WD Only* warning signs will also be installed where appropriate.

Street name signs (*fingerboard Type G5-1*) may be provided at the start of all streets and at junctions along the streets, but will not necessarily appear at each junction. While streets signs are important for emergency and navigational purposes, technologies such as mobile devices and GPS units reduces the provision of signs as a priority, although there are a small number of sites where improved street signage is definitely required.

5. Bridges & large culverts

5.1 Introduction

Council has over 150 bridges and large size culverts on the regional and local road and street network. Approximately one third of these are constructed largely of timber materials.

All new structures accepted by Council to the network must be constructed of approved materials with a minimum asset life of 100 years.

The register of Tenterfield Shire Council bridges is included in 0

5.2 Safety at Bridges

All maintenance work necessary to positively provide for the safety of road users at bridges shall be carried out as and when required, irrespective of the class of road/street on which the bridge is situated. Priority shall also be given to enhancement work that is assessed by the appropriately qualified technical people as required to rectify safety problems at the bridge.

Council will take a risk management approach to the maintenance of safety at bridges. This is through the implementation of a system of defect identification through a formal inspection process, evaluation of the risk to road users and control of the risk by the use of appropriate maintenance activities. The risk evaluation is based on a rating system, where the greater the Risk Rating the greater the urgency.

5.3 Inspections

5.3.1 Safety

A visual inspection will be included in the Safety and Roadway inspection undertaken on the road or street. This will include signposting, obvious defects in the deck, handrailing and any approach guardfencing, blockage of scuppers, vegetation growth, etc. Evaluation and control of any defects noted will be undertaken in accordance with sections 3.1.2 or 4.2.3 as appropriate.

5.3.2 Structural

In addition to the safety inspection, a visual inspection will also be undertaken by a suitably qualified and experienced inspector. This inspection will be made on an annual basis for bridges on Class A - Regional Roads and for bridges in urban areas. For bridges on all other classes of road, the visual structural inspection will be undertaken on a 2 year cycle basis.

In addition, a detailed structural inspection will be undertaken on all timber bridges, irrespective of road classification, on a six yearly cycle. This inspection may include test boring of structural members to determine condition, and will be carried out by a suitably qualified and experienced inspector. Should this inspection find faults or deterioration in condition on a particular bridge, then the detailed structural

inspection will be carried out on a 5 yearly cycle for the structure or at a lesser time period as considered necessary.

Records of inspections will be kept and used to determine the programmed maintenance works (refer Appendix G: – Forms). The identified defect will be listed in a register which will be used to track completion, etc.

5.4 Maintenance of Bridges

5.4.1 Termite Treatment

Treatment of any infestations found will be carried out immediately by a suitably qualified exterminator.

5.4.2 Structural Timber

All timber supplied for the maintenance and repair of timber bridges shall comply with the requirements of TfNSW QC Specification Part 380 – Timber for Bridges.

5.4.3 Signposting

Narrow bridge warning signposting (*type W4-1*) will be incrementally erected on all bridges that are less than 6.1m wide on local roads at a distance of 2V from the bridge abutment. In addition, bridge width markers (*type D4-3*) will be installed at abutments to define the width of the bridge between kerbs. Where the bridge is likely to be overtopped, flood depth indicators will be erected in accordance with Section 3.2.3.3 Signposting.

5.4.4 Vehicle and pedestrian barriers

Except for Class A (regional roads), handrailing or structural barriers other than kerbs will not be provided on timber or concrete decked bridges. This is in recognition that most of the bridges on local roads carry low traffic volumes, the bridges are general low level structures subject to overtopping and timber handrailing is not a suitable barrier. On regional roads, any upgrades will incorporate the installation of guardrail where budgets and existing configuration of bridges permit.

5.5 Enhancement

When a timber bridge is scheduled for major repair, an economic evaluation will be undertaken to determine if a more suitable structure can be installed such as a concrete box culvert, Doolan deck, reinforced or prestressed modular concrete deck, etc. The bridge will be designed by a certified bridge design engineer.

6. Miscellaneous

6.1 Rural Addressing

Rural addressing is a simple and permanent means of identifying, locating and addressing properties in rural areas. The basic element of the system is the logically sequenced property numbers related to the distance of the property from the start of the road. Numbers increase by increment of 2 for every 20 metres of road frontage travel distance, odd numbers on the left and even numbers on the right hand side of the road in the prescribed direction of travel.

Rural addressing has been introduced in Tenterfield Shire. New rural addresses can be established through the completion of an application form and payment of the fee.

Accesses

Construction and maintenance of accesses is the responsibility of the property owner and is described in **Policy 2.130 Construction and maintenance of property access from Council roads**. Generally this places the responsibility for construction, maintenance and costs thereof with the property owner.

6.2 Road verges

Road verges other than road shoulders shall generally be the responsibility of property owners for maintenance.

6.3 Public gates and vehicle by-passes

Public gates, vehicle by-passes (grids), associated signposting and road approaches shall be maintained in accordance with **Policy No 2.162 – Public Gates and By-Passes**. Generally this places the responsibility for the installation, maintenance, and costs thereof with the permit holder(s) for the public gate.

6.4 Public utilities in road reserves

Council from time to time receives requests from various public utilities (Electricity authorities such as Essential Energy, Communications companies such as TELSTRA, etc) for the installation of plant within the road reserve. While utility authorities have powers under relevant legislation (both state and federal) to install plant, consultation is a prerequisite for construction and maintenance activities. Normally Council would raise no objections to any proposed works.

For consistency, the public utilities will be requested to take the following matters into consideration when undertaking works within the road reserve:

1. Cable/conduit/pits are to be located within defined corridors as defined in any Council development standards (urban), or as close to the property boundary as possible (rural or no corridor specified).
2. Proposed locations and depths of conduit/cable shall be actually achieved in the field and clearly marked accordingly.

3. A minimum depth of 450 mm to top of conduit within road reserves and under footpaths and a minimum 600 mm to top of conduit under table drains and road pavements is required. Where a standard drawing exists for the service, this takes priority.
4. Disturbance to the natural conditions by the operations of Public Utility equipment and staff, including any sub-contractors, is limited.
5. The removal of any trees greater than 200 mm diameter must be formally approved by Council.
6. All areas that are disturbed by the operations are to be restored to pre-existing conditions which will include, but not be limited to, levelling, compaction to prevent future sinking, topsoiling and seed with a compatible grass seed mixture (if necessary).
7. Suitable erosion and sediment control measures are implemented prior to work commencing, are maintained throughout the operations and are removed when disturbed areas have been restored.
8. Underground boring for conduits must be undertaken where it is proposed to cross a sealed road formation, to cross a concrete footpath, to cross concrete kerb and gutter and on formed footways.
9. Trenching may be allowed on gravelled roads provided backfilling and compaction of trench is achieved to prevent future consolidation;
10. Traffic control is to be provided before and during operations in accordance with the current TfNSW and Australian standards.
11. Two business days' notice is provided to Council's nominated contact person.

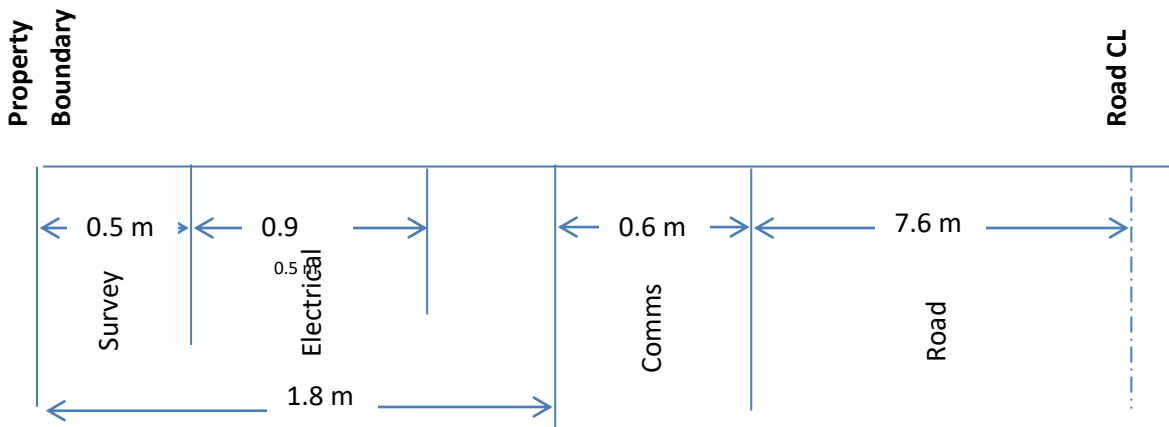
6.4.1 Utility allocations within road reserves

New and replacement utilities shall be located in allocated location as noted in the Tenterfield's standard engineering drawings for urban environments, and in accordance with Figure 6-1 for rural roads. Where the infrastructure is already in place, the allocation may be changed if there is an existing utility located within the specified zone (as identified by Dial Before You Dig). If an existing utility is located within a Service Provider's allocation consult Council's Engineer to obtain an approved alternative allocation.

Where a Utility/Service Provider wishes to encroach on space allocated to another Utility/Service Provider, it must consult and obtain a written agreement from the other. Both Utility/Service Providers shall record such encroachments on their respective mapping systems and forward a copy of the agreement to Tenterfield Shire Council for approval. Where space constraints exist, communications and electrical services may be installed in a shared corridor corresponding to the normal electrical corridor.

In cases where Council's rural roads are not located centrally within the road reserve, the Utility/Service Provider is required to locate their assets so that they do not encroach on Council's infrastructure allocation as measured from the centre of the carriageway. (Centre line to centre of table drain is 7.5m, to back of table drain is 8.0m).

Figure 6-1 Rural Road Utilities Allocations.



6.5 Road construction materials

Council utilises the existing road materials where ever feasible in the rehabilitation of existing roads. This may include improving the characteristics and quality of the existing pavement through the incorporation of additives such as cement, lime, slag or fly ash. Testing should be undertaken prior to the work to determine the appropriate materials and to design applicable blend rates.

6.6 Gravel Quarries

Council from time to time requires new road construction materials for upgrading of roads and a major component is the gravel basecourse. Testing should be undertaken to assess the material properties of the gravel prior to considering application on Council Roads. Any works on Class A Roads must comply with TfNSW specifications for base materials.

Appendix A: Regional Road Register

Class	No	Segment	Name	Origin	End Feature	Ch. Start	Ch. End	Length (km)
A	MR 290	05	Amosfield Road	State Border	Dalmoak Rd	0.000	1.009	1.009
A	MR 290	10	Amosfield Road	State Border		1.009	1.533	0.524
A	MR 290	12	Amosfield Road	State Border	Wards Ck	1.533	2.108	0.575
A	MR 290	15	Amosfield Road	State Border	Ruby Ck	2.108	3.203	1.095
A	MR 290	20	Amosfield Road	State Border		3.203	4.440	1.237
A	MR 290	25	Amosfield Road	State Border	Catarins Rd	4.440	5.878	1.438
A	MR 290	30	Amosfield Road	State Border	Herding Yard Ck Rd	5.878	7.470	1.592
A	MR 290	35	Amosfield Road	State Border	Mount Lindesay Rd	7.470	8.607	1.137
A	MR 290	05	Liston Road	Mt Lindesay Rd	Amosfield Road	0.000	0.648	0.648
A	MR462	7010	Bruxner Way	A15	Browns Ck	0	1.44	1.440
A	MR462	7020	Bruxner Way	A15	Browns creek	1.44	2.86	1.420
A	MR462	7030	Bruxner Way	A15	Sunnyside	2.86	3.81	0.950
A	MR462	7040	Bruxner Way	A15	Sunnyside Loop Rd	3.81	5.32	1.510
A	MR462	7050	Bruxner Way	A15	Millers Ck	5.32	6.78	1.460
A	MR462	7060	Bruxner Way	A15	Ross Rd	6.78	8.44	1.660
A	MR462	7070	Bruxner Way	A15	East of Tarban Rd	8.44	9.87	1.430
A	MR462	7080	Bruxner Way	A15	Tarban Rd	9.87	11.27	1.400
A	MR462	7090	Bruxner Way	A15	Woodside Rd	11.27	12.66	1.390
A	MR462	7100	Bruxner Way	A15	Whalans Ck	12.66	14.20	1.540
A	MR462	7110	Bruxner Way	A15	Cusacks	14.20	14.69	0.490
A	MR462	7120	Bruxner Way	A15	Richfield	14.69	16.58	1.890
A	MR462	7130	Bruxner Way	A15	Swamp creek	16.58	18.04	1.460
A	MR462	7140	Bruxner Way	A15	Deadman Ck	18.04	19.57	1.530
A	MR462	7150	Bruxner Way	A15	Sowyers Gully Rd	19.57	21.20	1.630
A	MR462	7160	Bruxner Way	A15	Davis	21.20	22.43	1.230
A	MR462	7170	Bruxner Way	A15	Skinnners	22.43	23.60	1.170
A	MR462	7180	Bruxner Way	A15	Mc Carthys Quarry	23.60	24.68	1.080
A	MR462	7190	Bruxner Way	A15	Back Creek Rd	24.68	26.03	1.350
A	MR462	7200	Bruxner Way	A15	Mole Station Rd	26.03	26.88	0.850
A	MR462	7210	Bruxner Way	A15	Aberfeldie	26.88	27.89	1.010
A	MR462	7220	Bruxner Way	A15	Aberfeldie No2	27.89	29.31	1.420
A	MR462	7230	Bruxner Way	A15	Gibraltar Rd	29.31	30.77	1.460
A	MR462	7240	Bruxner Way	A15	Parburys	30.77	32.17	1.400
A	MR462	7250	Bruxner Way	A15	Kelton Farm	32.17	33.95	1.780
A	MR462	7260	Bruxner Way	A15	Mountain Ck	33.95	35.42	1.470
A	MR462	7270	Bruxner Way	A15	Wandinong	35.42	36.68	1.260
A	MR462	7280	Bruxner Way	A15	Wandinong No2	36.68	38.21	1.530
A	MR462	7290	Bruxner Way	A15	Charcoal burners	38.21	39.55	1.340
A	MR462	7300	Bruxner Way	A15	Charcoal burners No2	39.55	41.02	1.470
A	MR462	7310	Bruxner Way	A15	Mountain Creek Rd	41.02	42.42	1.400
A	MR462	7320	Bruxner Way	A15	Mount Pleasant	42.42	43.69	1.270
A	MR462	7330	Bruxner Way	A15	Wallaroo	43.69	44.45	0.760
A	MR462	7340	Bruxner Way	A15	Windy Ways	44.45	45.73	1.280
A	MR462	7350	Bruxner Way	A15	West side of Mole River hill	45.73	46.43	0.700
A	MR462	7360	Bruxner Way	A15	Darthula Rd	46.43	47.67	1.240
A	MR462	7370	Bruxner Way	A15	Meguzzis flat	47.67	49.21	1.540
A	MR462	7380	Bruxner Way	A15	Mole River Rd	49.21	50.74	1.530
A	MR462	7390	Bruxner Way	A15	Mingoola	50.74	51.70	0.960

Road Asset Management Plan

Class	No	Segment	Name	Origin	End Feature	Ch. Start	Ch. End	Length (km)
A	MR462	7400	Bruxner Way	A15	Mole river	51.70	53.13	1.430
A	MR462	7410	Bruxner Way	A15	Sovrington	53.13	54.68	1.550
A	MR462	7420	Bruxner Way	A15	River flat	54.68	56.13	1.450
A	MR462	7430	Bruxner Way	A15	Ironbark Ridge	56.13	57.60	1.470
A	MR462	7440	Bruxner Way	A15	Herb farm	57.60	59.07	1.470
A	MR462	7450	Bruxner Way	A15	Hynes bridge	59.07	59.94	0.870
A	MR462	7460	Bruxner Way	A15	Dip	59.94	60.61	0.670
A	MR462	7470	Bruxner Way	A15	Reedy Creek vineyard	60.61	61.04	0.430
A	MR462	7480	Bruxner Way	A15	East of Reedy Ck	61.04	61.42	0.380
A	MR462	7490	Bruxner Way	A15	West from Reedy Ck	61.42	61.72	0.300
A	MR462	7500	Bruxner Way	A15	Reedy Creek Rd	61.72	63.12	1.400
A	MR462	7510	Bruxner Way	A15	West of Yellow gully	63.12	64.63	1.510
A	MR462	7520	Bruxner Way	A15	Roseneath	64.63	66.13	1.500
A	MR462	7530	Bruxner Way	A15	Gravel quarry	66.13	67.69	1.560
A	MR462	7540	Bruxner Way	A15	Old camp	67.69	68.56	0.870
A	MR462	7550	Bruxner Way	A15	Dumaresq River overflow	68.56	69.29	0.730
A	MR462	7560	Bruxner Way	A15	Newfarm	69.29	70.78	1.490
A	MR462	7570	Bruxner Way	A15	Gulf creek	70.78	72.24	1.460
A	MR462	7580	Bruxner Way	A15	Monstadt	72.24	73.64	1.400
A	MR462	7590	Bruxner Way	A15	Aquillines	73.64	74.42	0.780
A	MR462	7600	Bruxner Way	A15	Dumaresq River flood channel	74.42	74.86	0.440
A	MR462	7610	Bruxner Way	A15	Black Ck	74.86	76.33	1.470
A	MR462	7620	Bruxner Way	A15	Black Creek billabong	76.33	77.83	1.500
A	MR462	7630	Bruxner Way	A15	Pineview	77.83	79.25	1.420
A	MR462	7640	Bruxner Way	A15	Pineview No2	79.25	80.80	1.550
A	MR462	7650	Bruxner Way	A15	Riverview	80.80	82.01	1.210
A	MR462	7660	Bruxner Way	A15	Tenterfield/Inverell shire boundary	82.01	82.39	0.380
A	MR 361	05	Clarence Way	Shire Bdy Sth		0.000	1.217	1.217
A	MR 361	10	Clarence Way			1.217	2.337	1.120
A	MR 189	05	Killarney Rd	State Border		0.000	0.268	0.268
A	MR 189	10	Killarney Rd	State Border		0.268	1.805	1.537
A	MR 189	15	Killarney Rd	State Border		1.805	3.104	1.299
A	MR 189	20	Killarney Rd	State Border		3.104	3.799	0.695
A	MR 189	25	Killarney Rd	State Border	Mount Lindesay Rd	3.799	4.688	0.889
A	MR622	05	Mt Lindesay Rd	A15		0.000	0.259	0.259
A	MR622	10	Mt Lindesay Rd	A15		0.259	1.880	1.621
A	MR622	15	Mt Lindesay Rd	A15		1.880	3.200	1.320
A	MR622	20	Mt Lindesay Rd	A15	Branch Creek	3.200	4.607	1.407
A	MR622	25	Mt Lindesay Rd	A15		4.607	6.153	1.546
A	MR622	30	Mt Lindesay Rd	A15	Bryans Gap Rd	6.153	7.621	1.468
A	MR622	35	Mt Lindesay Rd	A15	London Bridge	7.621	8.865	1.244
A	MR622	40	Mt Lindesay Rd	A15		8.865	10.419	1.554
A	MR622	45	Mt Lindesay Rd	A15	Tank Traps	10.419	11.985	1.566
A	MR622	50	Mt Lindesay Rd	A15	S. Charltons	11.985	13.653	1.668
A	MR622	55	Mt Lindesay Rd	A15	Talmoi Hill	13.653	14.904	1.251
A	MR622	60	Mt Lindesay Rd	A15		14.904	16.400	1.496

Road Asset Management Plan

Class	No	Segment	Name	Origin	End Feature	Ch. Start	Ch. End	Length (km)
A	MR622	65	Mt Lindesay Rd	A15		16.400	17.878	1.478
A	MR622	70	Mt Lindesay Rd	A15		17.878	19.532	1.654
A	MR622	75	Mt Lindesay Rd	A15		19.532	20.924	1.392
A	MR622	80	Mt Lindesay Rd	A15	Resurrection Creek	20.924	22.088	1.164
A	MR622	85	Mt Lindesay Rd	A15	Boonoo Boonoo River	22.088	23.298	1.210
A	MR622	90	Mt Lindesay Rd	A15		23.298	24.876	1.578
A	MR622	95	Mt Lindesay Rd	A15		24.876	25.971	1.095
A	MR622	100	Mt Lindesay Rd	A15	Carrolls Creek	25.971	27.263	1.292
A	MR622	105	Mt Lindesay Rd	A15		27.263	28.746	1.483
A	MR622	110	Mt Lindesay Rd	A15		28.746	29.934	1.188
A	MR622	115	Mt Lindesay Rd	A15	Bald Rock Café	29.934	30.130	0.196
A	MR622	116	Mt Lindesay Rd	A15		30.130	31.483	1.353
A	MR622	120	Mt Lindesay Rd	A15		31.483	32.540	1.057
A	MR622	125	Mt Lindesay Rd	A15		32.540	33.656	1.116
A	MR622	129	Mt Lindesay Rd	A15		33.656	33.751	0.095
A	MR622	130	Mt Lindesay Rd	A15	Bookookoorara Creek	33.751	33.981	0.230
A	MR622	135	Mt Lindesay Rd	A15		33.981	34.230	0.249
A	MR622	136	Mt Lindesay Rd	A15		34.230	34.735	0.505
A	MR622	138	Mt Lindesay Rd	A15		34.735	35.412	0.677
A	MR622	140	Mt Lindesay Rd	A15	Harrigans Lane	35.412	36.936	1.524
A	MR622	145	Mt Lindesay Rd	A15		36.936	38.298	1.362
A	MR622	150	Mt Lindesay Rd	A15		38.298	38.851	0.553
A	MR622	155	Mt Lindesay Rd	A15	Jenners Creek	38.851	38.969	0.118
A	MR622	160	Mt Lindesay Rd	A15		38.969	39.645	0.676
A	MR622	165	Mt Lindesay Rd	A15		39.645	39.830	0.185
A	MR622	166	Mt Lindesay Rd	A15		39.830	40.776	0.946
A	MR622	170	Mt Lindesay Rd	A15	Mursons Creek	40.776	41.943	1.167
A	MR622	175	Mt Lindesay Rd	A15		41.943	43.507	1.564
A	MR622	180	Mt Lindesay Rd	A15		43.507	43.653	0.146
A	MR622	185	Mt Lindesay Rd	A15		43.653	44.689	1.036
A	MR622	190	Mt Lindesay Rd	A15	Wilsons Downfall	44.689	45.968	1.279
A	MR622	195	Mt Lindesay Rd	A15		45.968	47.332	1.364
A	MR622	200	Mt Lindesay Rd	A15		47.332	48.242	0.910
A	MR622	205	Mt Lindesay Rd	A15		48.242	49.273	1.031
A	MR622	210	Mt Lindesay Rd	A15		49.273	49.311	0.038
A	MR622	215	Mt Lindesay Rd	A15	Liston Rd	49.311	50.666	1.355
A	MR622	220	Mt Lindesay Rd	A15		50.666	51.953	1.287
A	MR622	225	Mt Lindesay Rd	A15	Herding Yard Creek Rd	51.953	53.101	1.148
A	MR622	230	Mt Lindesay Rd	A15	Lavender Farm	53.101	54.621	1.520
A	MR622	235	Mt Lindesay Rd	A15		54.621	55.886	1.265
A	MR622	240	Mt Lindesay Rd	A15		55.886	57.143	1.257
A	MR622	245	Mt Lindesay Rd	A15		57.143	58.668	1.525
A	MR622	250	Mt Lindesay Rd	A15		58.668	60.247	1.579
A	MR622	255	Mt Lindesay Rd	A15	Glencolvin	60.247	61.451	1.204
A	MR622	260	Mt Lindesay Rd	A15	Wylie Creek Curves	61.451	62.910	1.459
A	MR622	265	Mt Lindesay Rd	A15		62.910	64.672	1.762
A	MR622	270	Mt Lindesay Rd	A15		64.672	65.078	0.406
A	MR622	272	Mt Lindesay Rd	A15		65.078	66.067	0.989
A	MR622	275	Mt Lindesay Rd	A15	Wylie Creek	66.067	66.336	0.269
A	MR622	280	Mt Lindesay Rd	A15		66.336	66.576	0.244

Road Asset Management Plan

Class	No	Segment	Name	Origin	End Feature	Ch. Start	Ch. End	Length (km)
A	MR622	282	Mt Lindesay Rd	A15		66.576	67.892	1.316
A	MR622	285	Mt Lindesay Rd	A15	Cullendore Road	67.892	69.411	1.519
A	MR622	290	Mt Lindesay Rd	A15		69.411	70.744	1.333
A	MR622	295	Mt Lindesay Rd	A15		70.744	72.004	1.260
A	MR622	300	Mt Lindesay Rd	A15		72.004	73.406	1.402
A	MR622	305	Mt Lindesay Rd	A15		73.406	74.918	1.512
A	MR622	310	Mt Lindesay Rd	A15		74.918	76.094	1.176
A	MR622	315	Mt Lindesay Rd	A15	Maryland River	76.094	77.276	1.182
A	MR622	320	Mt Lindesay Rd	A15		77.276	78.426	1.150
A	MR622	325	Mt Lindesay Rd	A15		78.426	79.511	1.085
A	MR622	330	Mt Lindesay Rd	A15		79.511	81.039	1.528
A	MR622	335	Mt Lindesay Rd	A15		81.039	82.526	1.487
A	MR622	340	Mt Lindesay Rd	A15		82.526	83.936	1.410
A	MR622	345	Mt Lindesay Rd	A15	Vinegar Hill Road	83.936	84.331	0.395
A	MR622	350	Mt Lindesay Rd	A15		84.331	85.922	1.591
A	MR622	355	Mt Lindesay Rd	A15		85.922	87.488	1.566
A	MR622	360	Mt Lindesay Rd	A15		87.488	88.546	1.058
A	MR622	365	Mt Lindesay Rd	A15	Carters Road	88.546	89.352	0.806
A	MR622	370	Mt Lindesay Rd	A15		89.352	90.353	1.001
A	MR622	375	Mt Lindesay Rd	A15		90.353	91.982	1.629
A	MR622	380	Mt Lindesay Rd	A15	Legume	91.982	93.034	1.052
A	MR622	385	Mt Lindesay Rd	A15		93.034	93.225	0.191
A	MR622	390	Mt Lindesay Rd	A15		93.225	94.492	1.267
A	MR622	395	Mt Lindesay Rd	A15		94.492	94.873	0.381
A	MR622	400	Mt Lindesay Rd	A15		94.873	95.058	0.185
A	MR622	401	Mt Lindesay Rd	A15		95.058	95.717	0.659
A	MR622	403	Mt Lindesay Rd	A15		95.717	96.409	0.692
A	MR622	405	Mt Lindesay Rd	A15		96.409	97.652	1.243
A	MR622	410	Mt Lindesay Rd	A15		97.652	99.079	1.427
A	MR622	415	Mt Lindesay Rd	A15		99.079	100.219	1.140
A	MR622	420	Mt Lindesay Rd	A15		100.219	101.057	0.838
A	MR622	425	Mt Lindesay Rd	A15	Oaky Hill	101.057	102.516	1.459
A	MR622	429	Mt Lindesay Rd	A15		102.516	102.876	0.360
A	MR622	430	Mt Lindesay Rd	A15		102.876	103.813	0.937
A	MR622	435	Mt Lindesay Rd	A15		103.813	104.668	0.855
A	MR622	440	Mt Lindesay Rd	A15		104.668	106.240	1.572
A	MR622	445	Mt Lindesay Rd	A15	Gumdale West	106.240	107.401	1.161
A	MR622	450	Mt Lindesay Rd	A15	Gumdale	107.401	108.051	0.650
A	MR622	455	Mt Lindesay Rd	A15		108.051	109.590	1.539
A	MR622	460	Mt Lindesay Rd	A15		109.590	111.000	1.410
A	MR622	465	Mt Lindesay Rd	A15		111.000	111.938	0.938
A	MR622	470	Mt Lindesay Rd	A15		111.938	112.851	0.913
A	MR622	475	Mt Lindesay Rd	A15		112.851	113.891	1.040
A	MR622	480	Mt Lindesay Rd	A15		113.891	115.645	1.754
A	MR622	485	Mt Lindesay Rd	A15	Golden Mile	115.645	116.895	1.250
A	MR622	490	Mt Lindesay Rd	A15		116.895	118.130	1.235
A	MR622	495	Mt Lindesay Rd	A15	Browns Dip	118.130	119.098	0.968
A	MR622	500	Mt Lindesay Rd	A15		119.098	120.097	0.999
A	MR622	505	Mt Lindesay Rd	A15		120.097	121.667	1.570

Road Asset Management Plan

Class	No	Segment	Name	Origin	End Feature	Ch. Start	Ch. End	Length (km)
A	MR622	510	Mt Lindesay Rd	A15		121.667	123.124	1.457
A	MR622	515	Mt Lindesay Rd	A15		123.124	124.817	1.693
A	MR622	520	Mt Lindesay Rd	A15		124.817	126.352	1.535
A	MR622	525	Mt Lindesay Rd	A15		126.352	127.970	1.618
A	MR622	530	Mt Lindesay Rd	A15	Bald Knob	127.970	129.420	1.450
A	MR622	535	Mt Lindesay Rd	A15		129.420	130.487	1.067
A	MR622	540	Mt Lindesay Rd	A15	Beaury Creek	130.487	131.507	1.020
A	MR622	545	Mt Lindesay Rd	A15		131.507	132.779	1.272
A	MR622	550	Mt Lindesay Rd	A15		132.779	134.048	1.269
A	MR622	555	Mt Lindesay Rd	A15		134.048	134.577	0.529
A	MR622	560	Mt Lindesay Rd	A15		134.577	135.791	1.214
A	MR622	565	Mt Lindesay Rd	A15	Kyogle Shire Bdy at Tooloom Creek, Woodenbong	135.791	136.576	0.785

Total Length Regional Roads 235.3 km

Total Length UnSealed Regional Roads 11.1 km

Total Pavement Area 197 ha

Total Seal Area 160 ha

Total Pavement Only Area 9 ha

Appendix B: Rural Road Register

Class	No	Segment	Name	Origin	End	Ch. Start	Ch. End	Length (km)
E	5274	05	A M White Drive	A15 - New England Highway	Bolivia Hall	0.000	0.498	0.498
E	5011	05	Acacia Peak Rd	Acacia Plateau Rd	dwelling	0.000	1.395	1.395
B	5033	05	Acacia Plateau Rd	MR 189 (Killarney Rd)		0.000	2.234	2.234
B	5033	15	Acacia Plateau Rd	MR 189 (Killarney Rd)		2.234	3.320	1.086
B	5033	20	Acacia Plateau Rd	MR 189 (Killarney Rd)		3.320	4.085	0.765
B	5033	25	Acacia Plateau Rd	MR 189 (Killarney Rd)	Acacia Peak Rd	4.085	6.803	2.718
D	5033	35	Acacia Plateau Rd	MR 189 (Killarney Rd)		6.803	7.467	0.664
D	5033	40	Acacia Plateau Rd	MR 189 (Killarney Rd)		7.467	7.780	0.313
D	5033	45	Acacia Plateau Rd	MR 189 (Killarney Rd)	Grid at State Forest	7.780	10.386	2.606
C	5044	05	Acacia Scrub Rd	MR 622 - Mount Lindesay Rd	Acacia Plateau Rd	0.000	6.917	6.917
C	5077	05	Back Creek Rd	MR 462 - Bruxner Way		0.000	0.056	0.056
C	5077	10	Back Creek Rd	MR 462 - Bruxner Way	Sailor Jack Rd	0.056	6.644	6.588
D	5077	35	Back Creek Rd	MR 462 - Bruxner Way		6.644	7.820	1.176
D	5077	40	Back Creek Rd	MR 462 - Bruxner Way		7.820	8.012	0.192
D	5077	45	Back Creek Rd	MR 462 - Bruxner Way		8.012	17.407	9.395
D	5088	05	Bald Rock Lookout Road	MR 622 - Mount Lindesay Rd	Grid into National Park	0.000	0.470	0.470
D	5099	05	Bald Rock Rd (south)	Sandy Flat Rd		0.000	1.427	1.427
D	5099	10	Bald Rock Rd (south)	Sandy Flat Rd		1.427	1.520	0.093
D	5099	15	Bald Rock Rd (south)	Sandy Flat Rd		1.520	6.440	4.920
D	5099	35	Bald Rock Rd (south)	Sandy Flat Rd		6.440	9.090	2.650
D	5099	60	Bald Rock Rd (north)	Sandy Flat Rd		0.000	3.515	3.515
D	5099	75	Bald Rock Rd (north)	Sandy Flat Rd		3.515	4.172	0.657
D	5099	80	Bald Rock Rd (north)	Sandy Flat Rd	Snakes Valley Rd	4.172	4.860	0.688
E	5100	05	Barlows Gate Rd	MR 622 - Mount Lindesay Rd		0.000	0.587	0.587
E	5100	10	Barlows Gate Rd	MR 622 - Mount Lindesay Rd	NSW / Qld Border	0.587	1.537	0.950
D	5110	05	Barney Downs Rd	B60 - Bruxner Highway		0.000	0.860	0.860
D	5110	10	Barney Downs Rd	B60 - Bruxner Highway		0.860	1.356	0.496
D	5110	15	Barney Downs Rd	B60 - Bruxner Highway	Bryans Gap Road	1.356	3.242	1.886
D	5132	05	Beardy River Rd	MR 462 - Bruxner Way	grid to dwelling	0.000	6.266	6.266
B	5154	05	Beaury Creek Rd	Tooloom Road	MR 622 - Mt Lindesay Road	0.000	19.342	19.342

Road Asset Management Plan

Class	No	Segment	Name	Origin	End	Ch. Start	Ch. End	Length (km)
E	5168	05	Bee Hive Rd	Toooloom Rd	gate	0.000	0.948	0.948
D	5170	05	Bellbird Rd	Leslie Creek Rd		0.000	0.527	0.527
D	5170	10	Bellbird Rd	Leslie Creek Rd	end	0.527	1.494	0.967
B	5169	5	Bellevue Rd	B60 - Bruxner Highway		0.000	0.692	0.692
B	5169	10	Bellevue Rd	B60 - Bruxner Highway		0.692	0.773	0.081
B	5169	15	Bellevue Rd	B60 - Bruxner Highway		0.780	1.091	0.311
B	5169	20	Bellevue Rd	B60 - Bruxner Highway		1.201	2.215	1.014
B	5169	24	Bellevue Rd	B60 - Bruxner Highway	Bryans Gap Rd	1.201	6.263	5.062
E	5176	05	Billirimba Creek Rd	Billirimba Road		0.000	2.972	2.972
B	5187	05	Billirimba Rd	Scrub Rd		0.000	7.912	7.912
B	5187	35	Billirimba Rd	Scrub Rd		7.912	10.770	2.858
B	5187	45	Billirimba Rd	Scrub Rd		10.770	11.142	0.372
B	5187	50	Billirimba Rd	Scrub Rd		11.142	11.530	0.388
B	5187	52	Billirimba Rd	Scrub Rd		11.530	11.708	0.178
B	5187	53	Billirimba Rd	Scrub Rd		11.708	18.857	7.149
B	5187	80	Billirimba Rd	Scrub Rd	End school bus route	18.857	18.921	0.064
C	5187	85	Billirimba Rd	Scrub Rd		18.921	27.117	8.196
C	5187	120	Billirimba Rd	Scrub Rd		27.117	27.225	0.108
C	5187	125	Billirimba Rd	Scrub Rd	Rocky River / Upper Rocky River Rds	27.225	32.947	5.722
E	5198	05	Binghi Rd	Silent Grove Road		0.000	3.664	3.664
B	5220	05	Black Swamp Rd	B60 - Bruxner Highway		0.000	0.038	0.038
B	5220	10	Black Swamp Rd			0.038	11.400	11.362
B	5220	50	Black Swamp Rd		MR 622 – Mt Lindesay Road	11.400	13.218	1.818
D	5231	05	Black Swamp School Rd	Black Swamp Rd	end	0.000	1.175	1.175
D	5253	05	Bluff Creek Rd	A15 - New England Highway	gate	0.000	0.794	0.794
C	5264	05	Bluff River Rd	A15 - New England Highway		0.000	0.046	0.046
C	5264	10	Bluff River Rd	A15 - New England Highway	Wangara farm stay	0.046	10.187	10.141
E	5275	05	Bolivia Siding Road	A15 - New England Highway		0.000	0.603	0.603
D	5275	10	Bolivia Siding Road	H 9	Keirnans Road	0.603	0.921	0.318
D	5286	05	Bondi Rd	MR 622 - Mount Lindesay Rd	end	0.000	1.527	1.527
D	5297	05	Bonds Rd	MR 361 - Clarence Way		0.000	0.669	0.669
D	5297	10	Bonds Rd	MR 361 - Clarence Way	grid	0.669	2.940	2.271
D	5101	05	Bonnars Rd	Rivertree Rd	end	0.000	2.290	2.290

Road Asset Management Plan

Class	No	Segment	Name	Origin	End	Ch. Start	Ch. End	Length (km)
D	5308	05	Boonoo Boonoo Falls Rd	MR 622 - Mount Lindesay Rd		0.000	0.065	0.065
D	5308	10	Boonoo Boonoo Falls Rd	MR 622	National Park	0.065	4.723	4.658
C	5319	05	Boorook Rd	B60 - Bruxner Highway		0.000	0.145	0.145
C	5319	10	Boorook Rd	B60 - Bruxner Highway		0.145	1.696	1.551
C	5319	15	Boorook Rd	B60 - Bruxner Highway		1.696	1.847	0.151
C	5319	20	Boorook Rd	B60 - Bruxner Highway	Gilgurry Rd	1.847	11.030	9.183
D	5561	05	Border Gate Rd	NSW / Qld Border	end	0.000	1.969	1.969
E	5325	05	Border Lane	Border Gate Rd	end	0.000	0.944	0.944
B	5332	05	Boundary Rd	MR 622 - Mt Lindesay Rd		0.000	0.674	0.674
B	5332	10	Boundary Rd	MR 622 - Mt Lindesay Rd	Bellevue Rd	0.674	1.120	0.446
E	5341	05	Branch Ck Rd	Bald Rock Rd	end	0.000	2.356	2.356
D	5352	05	Brassington Ck Rd	Cottesbrook Rd		0.000	0.106	0.106
D	5352	10	Brassington Ck Rd	Cottesbrook Rd	end	0.106	2.875	2.769
C	5363	10	Brushabers Rd	Duke St, Jennings		1.498	6.468	4.970
C	5363	35	Brushabers Rd	Duke St, Jennings	SH9 - New England Highway	6.468	6.659	0.191
B	5363	07	Brushabers Rd	Duke St, Jennings		0.276	0.543	0.267
B	5363	08	Brushabers Rd	Duke St, Jennings		0.543	1.307	0.764
B	5363	09	Brushabers Rd	Duke St, Jennings	End of seal	1.307	1.498	0.191
C	5368	05	Bruxner Rd	B60 - Bruxner Highway		0.000	1.081	1.081
C	5368	10	Bruxner Rd	B60 - Bruxner Highway		1.081	1.241	0.160
C	5368	15	Bruxner Rd	B60 - Bruxner Highway		1.241	5.729	4.488
C	5368	30	Bruxner Rd	B60 - Bruxner Highway		5.729	6.209	0.480
C	5368	35	Bruxner Rd	B60 - Bruxner Highway	Paddys Flat Rd	6.209	8.479	2.270
B	5374	5	Bryans Gap Rd	B60 - Bruxner Highway		0.000	1.695	1.695
B	5374	10	Bryans Gap Rd	B60 - Bruxner Highway		1.695	3.357	1.662
B	5374	15	Bryans Gap Rd	B60 - Bruxner Highway		3.357	3.992	0.635
B	5374	20	Bryans Gap Rd	B60 - Bruxner Highway		3.992	4.170	0.178
B	5374	25	Bryans Gap Rd	B60 - Bruxner Highway	MR 622 - Mount Lindesay Road	4.170	7.420	3.250
D	5385	05	Bungulla Platform Rd	A15 - New England Highway	end	0.000	5.456	5.456
E	5396	05	Bungulla Rd	Bungulla Platform Rd	gate	0.000	1.746	1.746
D	5390	05	Bungulla Reserve Rd	A15 - New England Highway	end	0.000	2.950	2.950
E	5400	05	Bunijah road	Cheviot Hills Road	end	0.000	3.920	3.920
D	5401	05	Bushy Drive	Cyril Smith Circuit	end	0.000	1.803	1.803
E	5402	05	Calthorps Rd	Torrington Rd	Grid	0.000	2.200	2.200
B	5451	05	Castlerag Rd	A15		0.000	0.060	0.060
B	5451	10	Castlerag Rd	A15		0.060	3.545	3.485
B	5451	25	Castlerag Rd	A15		3.545	3.980	0.435

Road Asset Management Plan

Class	No	Segment	Name	Origin	End	Ch. Start	Ch. End	Length (km)
B	5451	30	Castlerag Rd	A15	Torrington Rd	3.980	8.217	4.237
E	5462	05	Cataract River Rd	Black Swamp Rd	end	0.000	1.860	1.860
E	5473	05	Catarins Rd (MR290)	MR290		0.000	4.090	4.090
D	5484	05	Catarrh Creek Rd	Torrington Rd	gate to property	0.000	5.500	5.500
E	5490	05	Cemetery Rd	Boonoo Boonoo Falls Rd	property,curr awong	0.000	0.377	0.377
C	5495	05	Chauvel Rd	Plains Station Rd		0.000	1.675	1.675
C	5495	10	Chauvel Rd	Plains Station Rd	Doughertys Rd	1.675	2.491	0.816
D	5495	15	Chauvel Rd	Plains Station Rd	end	2.491	4.037	1.546
C	5506	05	Cheviot Hills Rd	B60 - Bruxner Highway		0.000	0.095	0.095
C	5506	10	Cheviot Hills Rd	B60 - Bruxner Highway		0.095	0.840	0.745
C	5506	15	Cheviot Hills Rd	B60 - Bruxner Highway		0.840	2.140	1.300
C	5506	20	Cheviot Hills Rd	B60 - Bruxner Highway		2.140	2.652	0.512
D	5506	25	Cheviot Hills Rd	B60 - Bruxner Highway	dwelling	2.652	5.164	2.512
D	5517	05	Clarence River Rd	B60 - Bruxner Highway	grid	0.000	1.593	1.593
E	5539	05	Common Rd	Billirimba Rd	Bruxner Highway	0.000	3.020	3.020
C	5550	05	Cottesbrook Rd	H 9 - New England Highway	Sandy Flat Rd	0.000	3.153	3.153
E	5572	05	Coxalls Rd	B60 - Bruxner Highway	gate	0.000	0.558	0.558
D	5583	05	Crescent Hills Rd	Paddys Flat Rd	end	0.000	2.384	2.384
D	5596	05	Cullendore Creek Rd	Maryland - Cullendore Rd (E)	end	0.000	3.516	3.516
B	5594	05	Cullendore Rd	NSW/Qld Border		0.000	0.096	0.096
B	5594	10	Cullendore Rd	NSW/Qld Border		0.096	4.674	4.578
B	5594	35	Cullendore Rd	NSW/Qld Border		4.674	6.104	1.430
B	5594	40	Cullendore Rd	NSW/Qld Border		6.104	6.416	0.312
B	5594	45	Cullendore Rd	NSW/Qld Border		6.416	7.308	0.892
B	5594	50	Cullendore Rd	NSW/Qld Border		7.308	8.545	1.237
B	5594	55	Cullendore Rd	NSW/Qld Border		8.545	9.334	0.789
B	5594	60	Cullendore Rd	NSW/Qld Border	MR 622 - Mount Lindesay Road	9.334	9.625	0.291
E	5605	05	Cullens Creek Rd	Rivertree Rd	gate	0.000	2.837	2.837
C	5616	05	Currs Rd	Mt Speribo Rd		0.000	5.551	5.551
C	5616	30	Currs Rd	Mt Speribo Rd	Glen-Severn Bdy	5.551	6.650	1.099
C	5627	05	Cyril Smith Circuit	Plains Station Rd	Bushy Drive	0.000	3.927	3.927
D	5627	20	Cyril Smith Circuit	Plains Station Rd		3.927	5.004	1.077
D	5627	25	Cyril Smith Circuit	Plains Station Rd		5.004	5.260	0.256
D	5627	30	Cyril Smith Circuit	Plains Station Rd	End	5.260	6.083	0.823
E	5635	05	Dairy Mountain Road	Scrub Rd	end	0.000	0.302	0.302
D	5638	05	Daisy Mount Rd	Billirimba Rd	gate	0.000	1.278	1.278
E	5649	05	Dalman Rd (to Dalman Tip)	MR622		0.000	0.176	0.176
B	6397	05	Dalmoak Rd	Amosfield Road	McKechnie Rd	0.000	2.823	2.823

Road Asset Management Plan

Class	No	Segment	Name	Origin	End	Ch. Start	Ch. End	Length (km)
C	6397	15	Dalmoak Rd	Amosfield Road	Summit Rd	2.823	10.294	7.471
E	5665	05	Dam Lane	Billirimba Rd	John Dekkers	0.000	0.446	0.446
D	5671	05	Darthula Loop Rd	Mingoola Station Rd	Darthula Rd	0.000	4.006	4.006
D	5682	05	Darthula Rd	MR 462 - Bruxner Way	Dumaresq River	0.000	6.617	6.617
B	5685	05	Deepwater Racecourse Rd	A15 - New England Highway	Torrington Rd	0.000	0.753	0.753
D	5795	05	Dellwood Rd (Finlays)	Rockdale Rd	Locked gate	0.000	1.256	1.256
D	5693	05	Demon Creek Rd (nth)	Timbarra Rd	Locked gate	0.000	3.102	3.102
D	5694	05	Demon Creek Rd (sth)	Billirimba Rd		0.000	0.125	0.125
D	5694	10	Demon Creek Rd (sth)	Billirimba Rd	gate	0.125	6.165	6.040
E	5704	05	Double Hut Ck Rd	Back Creek Road		0.000	1.750	1.750
D	5715	05	Doughertys Rd	Chauvel Rd	access track continues	0.000	0.793	0.793
E	5726	05	Eagle Creek Rd	Woodside Rd	road ends	0.000	1.880	1.880
E	5737	05	Emu Creek Rd	Paddys Flat Rd	gate	0.000	0.963	0.963
D	5759	05	Faggs Rd	MR 622 - Mount Lindesay Rd	dwelling	0.000	3.067	3.067
D	5770	05	Fairfield Rd	B60 - Bruxner Highway	Roundabout	0.000	4.510	4.510
E	5781	05	Farleys Rd	Paddys Flat Rd		0.000	0.750	0.750
E	5792	05	Finnertys Rd	Neagles Lane	gate	0.000	0.507	0.507
E	5803	05	Finns Rd	Barney Downs Rd	grid	0.000	1.490	1.490
D	5814	05	Flagstone Rd	MR 622 - Mount Lindesay Rd		0.000	0.395	0.395
D	5814	10	Flagstone Rd	MR 622	dwelling & yards	0.395	3.460	3.065
C	5825	05	Four Mile Creek Rd	Sunnyside Loop Rd		0.000	0.359	0.359
C	5825	15	Four Mile Creek Rd	Sunnyside Loop Rd		0.359	0.670	0.311
D	5825	20	Four Mile Creek Rd	Sunnyside Loop Rd		0.670	1.044	0.374
D	5836	05	Frames Rd	Paddys Flat Rd	end	0.000	1.768	1.768
E	6958	05	Frost Rd	Woodside Rd	dwelling	0.000	0.702	0.702
D	5847	05	Gap Rd	Plains Station Rd	gate to yards	0.000	0.758	0.758
E	5864	05	Gardiners Creek Rd	A15 - New England Highway	End gate	0.000	0.350	0.350
D	5869	05	Geyers Rd	A15 - New England Highway		0.000	1.464	1.464
D	5869	15	Geyers Rd	SH 9	End	1.464	3.083	1.619
C	5880	05	Gibraltar Rd	MR 462 - Bruxner Way		0.000	0.059	0.059
C	5880	10	Gibraltar Rd	MR 462 - Bruxner Way		0.059	2.618	2.559
C	5880	20	Gibraltar Rd	MR 462 - Bruxner Way		2.618	4.405	1.787
C	5880	30	Gibraltar Rd	MR 462 - Bruxner Way	Mole River Rd	4.405	5.450	1.045
D	5891	05	Gibraltar Station Rd	Gibraltar Rd		0.000	0.356	0.356
D	5891	10	Gibraltar Station Rd	Gibraltar Rd	Mole River Rd	0.356	3.510	3.154

Road Asset Management Plan

Class	No	Segment	Name	Origin	End	Ch. Start	Ch. End	Length (km)
C	5913	05	Gilgurry Rd	Boorook Rd	Harrigans Lane	0.000	16.613	16.613
E	5924	05	Glen Ayre Rd	Back Creek Road	Gate	0.000	1.295	1.295
E	5935	05	Gould Falls Rd	Acacia Plateau Rd	dwelling	0.000	0.726	0.726
C	5946	05	Grahams Creek Rd	MR 622 - Mount Lindesay Rd		0.000	1.025	1.025
C	5946	10	Grahams Creek Rd	MR 622	end	1.025	4.819	3.794
D	5946	30	Grahams Creek Rd	MR 622	end	4.819	6.188	1.369
E	5957	05	Green Swamp Rd	Quarry Rd	dwelling	0.000	1.271	1.271
B	5979	05	Gum Flat Rd	Mt McKenzie Rd		0.000	0.153	0.153
B	5979	10	Gum Flat Rd	Mt McKenzie Rd	Mt McKenzie Lookout Rd	0.153	1.214	1.061
D	5979	15	Gum Flat Rd	Mt McKenzie Rd	yards	1.214	2.231	1.017
C	5990	05	Gunyah Rd	Mt McKenzie Rd	Woodside Rd	0.000	11.376	11.376
D	6012	05	Haddocks Rd	MR 462 - Bruxner Way	end	0.000	0.892	0.892
D	6023	05	Hallidays Rd	Sandy Flat Rd	gate	0.000	3.053	3.053
E	6040	05	Hardcastles Rd	White Swamp Rd	Causeway at creek	0.000	0.570	0.570
C	6045	05	Harrigans Lane	MR 622	Gilgurry Rd	0.000	4.994	4.994
C	6045	30	Harrigans Lane		Gilgurry Rd	4.994	5.341	0.347
C	6045	32	Harrigans Lane			5.341	5.711	0.370
C	6045	33	Harrigans Lane		Gilgurry Rd	5.711	6.340	0.629
C	6045	35	Harrigans Lane			6.340	6.656	0.316
C	6045	40	Harrigans Lane		Gilgurry Rd	6.656	6.833	0.177
C	6045	41	Harrigans Lane			6.833	8.088	1.255
C	6045	45	Harrigans Lane		end	8.088	11.194	3.106
C	6056	05	Head Gate Rd	White Swamp Rd	NSW / Qld Border	0.000	5.538	5.538
E	6061	05	Heatherdean Rd	Torrington Rd		0.000	1.348	1.348
D	6067	05	Herding Yard Creek Rd	MR 622	gate	0.000	3.087	3.087
D	6276		Hills Rd	Lindesay Creek Rd	Kyogle Shire Boundary	0.000	0.464	0.464
D	6276	05	Hills Rd	Kyogle Shire Boundary	grid	0.000	1.660	1.660
E	6078	05	Hines Rd	MR 622 - Mt Lindesay Rd	dwelling	0.000	0.676	0.676
D	6085	05	Holleys Rd	Mt McKenzie Rd	gate	0.000	0.648	0.648
E	6089	05	Holmes Rd	Acacia Scrub Rd	gate	0.000	0.165	0.165
D	6100	05	Homestead Rd	Old Ballandean Rd		0.000	1.003	1.003
D	6100	10	Homestead Rd	Old Ballandean Rd	Geyers Rd	1.003	1.687	0.684
B	6111	05	Hootons Rd	MR 361 - Clarence Way		0.000	1.299	1.299
B	6111	10	Hootons Rd	MR 361 - Clarence Way		1.299	2.135	0.836
B	6111	15	Hootons Rd	MR 361 - Clarence Way	Paddys Flat Rd (S)	2.135	8.270	6.135
E	6115	05	Hornsmens	New Koreelah Rd	end	0.000	0.523	0.523
B	6122	05	Hynes Bridge Rd	B60 - Bruxner Highway	West Bridge Abutment	0.000	0.281	0.281
D	6130	05	Imbergers Rd	Billirimba Rd	tree across road	0.000	2.405	2.405
D	6133	05	Iron Bark Rd	Mountain Creek Rd	end	0.000	1.463	1.463

Road Asset Management Plan

Class	No	Segment	Name	Origin	End	Ch. Start	Ch. End	Length (km)
D	6139	05	Jenny Lind Lane	Frames Road		0.000	0.915	0.915
D	6144	05	Johnstones Rd	Pyes Creek Rd	gate	0.000	9.374	9.374
D	6155	05	Kangaroo Creek Rd	Paddys Flat Rd (nth)	gate	0.000	2.508	2.508
D	6166	05	Kellys Rd	Scrub Rd	gate	0.000	1.689	1.689
D	6221	05	Kia-ora Rd	Wylie Creek Rd	grid	0.000	2.391	2.391
C	6177	05	Kiernans Rd	Bolivia Siding Rd	Robertsons Lane	0.000	1.662	1.662
B	6199	05	Kildare Rd	Mt McKenzie Rd	Sunnyside Loop Rd	0.000	12.493	12.493
D	6204	05	Kims Way	Sugarbag Rd	track to gate	0.000	0.887	0.887
E	6207	05	Kingfisher Rd	Rivertree Rd	end	0.000	0.960	0.960
B	6210	05	Kochs Rd	B60 - Bruxner Highway		0.000	0.089	0.089
B	6210	10	Kochs Rd	B60 - Bruxner Highway		0.089	1.896	1.807
B	6210	20	Kochs Rd	B60 - Bruxner Highway		1.896	1.962	0.066
B	6210	25	Kochs Rd	B60 - Bruxner Highway		1.962	2.852	0.890
B	6210	30	Kochs Rd	B60 - Bruxner Highway		2.852	2.956	0.104
B	6210	35	Kochs Rd	B60 - Bruxner Highway		2.956	3.837	0.881
B	6210	40	Kochs Rd	B60 - Bruxner Highway		3.837	3.952	0.115
B	6210	45	Kochs Rd	B60 - Bruxner Highway		3.952	5.227	1.275
B	6210	50	Kochs Rd	B60 - Bruxner Highway	Billirimba Rd	5.227	5.265	0.038
D	6235	05	Landers Lane	Scrub Rd	grid	0.000	0.633	0.633
C	6243	05	Leeches Gully Rd	MR 622 - Mt Lindesay Rd		0.000	1.375	1.375
C	6243	10	Leeches Gully Rd	MR 622 - Mt Lindesay Rd	Washpool Creek Rd	1.375	2.680	1.305
D	6254	05	Lees Rd	Paddys Flat Rd (nth)	gate	0.000	0.773	0.773
C	6265	05	Leslie Ck Rd	B60 - Bruxner Highway		0.000	1.336	1.336
C	6265	10	Leslie Ck Rd	B60 - Bruxner Highway		1.336	1.452	0.116
C	6265	15	Leslie Ck Rd	B60 - Bruxner Highway		1.452	2.969	1.517
C	6265	20	Leslie Ck Rd	B60 - Bruxner Highway		2.969	3.256	0.287
C	6265	25	Leslie Ck Rd	B60 - Bruxner Highway		3.256	3.534	0.278
C	6265	30	Leslie Ck Rd	B60 - Bruxner Highway		3.534	4.940	1.406
C	6265	35	Leslie Ck Rd	B60 - Bruxner Highway	O'Driscolls Rd	4.940	5.611	0.671
D	6265	40	Leslie Ck Rd	B60 - Bruxner Highway		5.611	5.869	0.258
D	6265	45	Leslie Ck Rd	B60 - Bruxner Highway		5.869	6.057	0.188
D	6265	50	Leslie Ck Rd	B60 - Bruxner Highway		6.057	6.420	0.363
D	6265	55	Leslie Ck Rd	B60 - Bruxner Highway		6.420	6.849	0.429
D	6265	60	Leslie Ck Rd	B60 - Bruxner Highway	end	6.849	6.994	0.145
E	6287	05	Log Hut Creek Rd	Woodside Rd	grid	0.000	0.886	0.886
B	6298	05	Long Gully Rd	B60 - Bruxner Highway		0.000	3.994	3.994
B	6298	20	Long Gully Rd	B60 - Bruxner Highway		3.994	5.255	1.261

Road Asset Management Plan

Class	No	Segment	Name	Origin	End	Ch. Start	Ch. End	Length (km)
B	6298	25	Long Gully Rd	B60 - Bruxner Highway		5.255	6.717	1.462
B	6298	30	Long Gully Rd	B60 - Bruxner Highway		6.717	8.580	1.863
B	6298	40	Long Gully Rd	B60 - Bruxner Highway	Rocky River Rd	8.580	14.650	6.070
E	6320	05	Lower Acacia Church Rd	MR 622 - Mount Lindesay Rd		0.000	0.435	0.435
C	6325	05	Lower Acacia Creek Rd	MR 622 - Mount Lindesay Rd	Barlows Gate Road	0.000	0.259	0.259
D	6925	05	Lower Rocky River Rd	Long Gully Rd	grid end council area	0.000	9.342	9.342
D	6342	05	Main Camp Rd	Boorook Rd	track continues	0.000	18.398	18.398
E	6364	05	Marsh Rd	Wylie Creek Rd	gate	0.000	1.899	1.899
C	6375	05	Martins Rd	MR 622 - Mt Lindesay Rd	dwelling	0.000	2.207	2.207
C	6386	05	Maryland Cullendore Rd (east)	Cullendore Rd	Cullendore Creek Rd	0.000	1.042	1.042
D	6386	10	Maryland Cullendore Rd (east)	Cullendore Rd		1.042	4.728	3.686
E	6386	15	Maryland Cullendore R	Cullendore Rd	National Park			
D	6387	20	Maryland-Cullendore Rd (W)	Summit Rd	National Park gate	2.509	7.666	5.157
D	6390	05	Maryland Lane	Dalmoak Rd	shed access	0.000	2.109	2.109
D	6408	05	Maryland Station Rd	Summit Rd		0.000	0.258	0.258
D	6408	10	Maryland Station Rd	Summit Rd	Maryland-Cullendore Rd (W)	0.258	2.509	2.251
D	6419	05	Mathiesons Rd	Billirimba Rd	grid	0.000	1.387	1.387
E	6430	05	McCliftys Rd	A15 - New England Highway	dwelling	0.000	2.916	2.916
E	6441	05	McCowens Rd	Castlerag Rd	grid	0.000	1.339	1.339
C	6450	05	McKechnie Rd	Dalmoak Rd	end	0.000	2.778	2.778
C	6452	05	McLeods Creek Rd	B60 - Bruxner Highway	Tablelands Rd	0.000	5.449	5.449
D	6452	25	McLeods Creek Rd	B60 - Bruxner Highway	end	5.449	6.821	1.372
D	6474	05	Middle Creek Rd	Timbarra Rd	gate	0.000	4.226	4.226
B	6485	05	Millers Lane	Bellevue Rd		0.000	0.298	0.298
B	6485	10	Millers Lane	Bellevue Rd		0.298	0.548	0.250
B	6485	15	Millers Lane	Bellevue Rd		0.548	0.911	0.363
B	6485	20	Millers Lane	Bellevue Rd	Sommerlads Rd	0.911	1.799	0.888
D	6490	05	Mingoola School Rd	MR 462 - Bruxner Way	school & dwelling	0.000	0.180	0.180
B	6496	05	Mingoola Station Rd	MR 462 - Bruxner Way	NSW/QLD border	0.000	2.838	2.838

Road Asset Management Plan

Class	No	Segment	Name	Origin	End	Ch. Start	Ch. End	Length (km)
C	6507	05	Mole River Rd	Upper Mole River / Mole Station Rds	Bruxner Highway	0.000	26.221	26.221
C	6518	05	Mole Station Rd	MR 462 - Bruxner Way		0.000	3.267	3.267
C	6518	20	Mole Station Rd	MR 462 - Bruxner Way	Upper Mole / Mole River Rd	3.267	8.125	4.858
D	6529	05	Morgans Creek Rd	Main Camp Rd	gate	0.000	14.912	14.912
D	6535	05	Morwood Rd	McKechnie Lane	dwelling	0.000	0.386	0.386
D	6545	05	Mount Clunie Rd	MR 622 - Mt Lindesay Rd	gate to National Park	0.000	3.708	3.708
C	6540	05	Mountain Creek Rd	MR 462 - Bruxner Way	end	0.000	5.151	5.151
C	6562	05	Mt McKenzie Lookout Rd	Gumflat Rd		0.000	0.552	0.552
C	6562	10	Mt McKenzie Lookout Rd	Gumflat Rd		0.552	1.624	1.072
C	6562	15	Mt McKenzie Lookout Rd	Gumflat Rd		1.624	2.289	0.665
C	6562	20	Mt McKenzie Lookout Rd	Gumflat Rd	look out area	2.289	2.520	0.231
B	6551	05	Mt McKenzie Rd	Western St		0.000	3.396	3.396
B	6551	20	Mt McKenzie Rd	Western St	Gum Flat Rd	3.396	6.954	3.558
C	6551	35	Mt McKenzie Rd	Western St		6.954	7.126	0.172
C	6551	40	Mt McKenzie Rd	Western St	Wades Rd	7.126	11.780	4.654
D	6551	60	Mt McKenzie Rd	Western St	end	11.780	17.527	5.747
C	6573	05	Mt Speribo Rd	A15 - New England Highway		0.000	4.320	4.320
C	6573	20	Mt Speribo Rd	SH 9	gate to National Park	4.320	15.412	11.092
C	6584	05	Mud Flat Rd	B60 - Bruxner Highway	gate to property	0.000	10.870	10.870
E	6586	05	Myon Mount Rd	Bellevue Rd	end	0.000	0.290	0.290
B	6589	05	Neagles Lane	Mt McKenzie Rd	Sunnyside Loop Rd	0.000	0.986	0.986
D	6595	05	Needhams Creek Rd	Tooloom Rd	Kyogle Shire Bdy	0.000	0.315	0.315
C	6606	05	New Koreelah Rd	MR 622 - Mt Lindesay Rd	locked gate	0.000	7.155	7.155
D	6617	05	New Mole Rd	Pyes Creek Rd	grid	0.000	4.096	4.096
B	6628	05	Nutshell Rd	B60 - Bruxner Highway		0.000	0.031	0.031
B	6628	10	Nutshell Rd	B60 - Bruxner Highway		0.031	1.960	1.929
B	6628	16	Nutshell Rd	B60 - Bruxner Highway		1.960	2.067	0.107
B	6628	17	Nutshell Rd	B60 - Bruxner Highway	Timbarra Road	2.067	3.172	1.105
E	6639	05	Oak Hollow Rd	B60 - Bruxner Highway		0.000	0.034	0.034
E	6639	10	Oak Hollow Rd	B60 - Bruxner Highway	grid	0.034	0.274	0.240
D	6655	05	O'Driscoll Rd	Leslie Creek Rd	gate	0.000	1.665	1.665
D	6661	05	Ogilvie Dr	Plains Station Rd		0.000	3.924	3.924
D	6661	20	Ogilvie Dr	Plains Station Rd		3.924	4.103	0.179
D	6661	25	Ogilvie Dr	Plains Station Rd	dwelling	4.103	4.860	0.757

Road Asset Management Plan

Class	No	Segment	Name	Origin	End	Ch. Start	Ch. End	Length (km)
B	6672	05	Old Ballendean Rd	A15 - New England Highway	MR 622 - Mount Lindesay Road	0.000	3.802	3.802
D	6683	05	Old Koreelah Rd	White Swamp Rd	enc	0.000	2.070	2.070
D	6688	05	Old Main Camp Rd	Gilgurry Rd	gate	0.000	4.184	4.184
E	6694	05	Old Race Course Rd	Bellevue Rd		0.000	0.167	0.167
E	6694	10	Old Race Course Rd	Bellevue Rd	end	0.167	0.747	0.580
E	6698	05	Osbornes Rd	Mud Flat Road		0.000	0.807	0.807
D	6705	05	Overcliffe Rd	MR 622 - Mount Lindesay Rd	dwelling	0.000	3.619	3.619
B	6720	200	Paddys Flat Rd (North)	B60 - Bruxner Highway		43.150	44.565	1.415
B	6720	205	Paddys Flat Rd (North)	B60 - Bruxner Highway		44.565	44.665	0.100
B	6720	210	Paddys Flat Rd (North)	B60 - Bruxner Highway		44.665	49.219	4.554
B	6720	230	Paddys Flat Rd (North)	B60 - Bruxner Highway		49.219	49.476	0.257
B	6720	235	Paddys Flat Rd (North)	B60 - Bruxner Highway		49.476	52.621	3.145
B	6720	245	Paddys Flat Rd (North)	B60 - Bruxner Highway	Tooloom Road	52.621	59.242	6.621
B	6716	05	Paddys Flat Rd (S)	B60 - Bruxner Highway		0.000	6.988	6.988
B	6716	30	Paddys Flat Rd (S)	B60 - Bruxner Highway	Hootens Rd	6.988	9.180	2.192
B	6716	40	Paddys Flat Rd (S)	B60 - Bruxner Highway		9.180	11.689	2.509
B	6716	50	Paddys Flat Rd (S)	B60 - Bruxner Highway		11.689	11.870	0.181
B	6716	55	Paddys Flat Rd (S)	B60 - Bruxner Highway		11.870	16.676	4.806
B	6716	70	Paddys Flat Rd (S)	B60 - Bruxner Highway		16.676	16.782	0.106
B	6716	75	Paddys Flat Rd (S)	B60 - Bruxner Highway		16.782	19.573	2.791
B	6716	85	Paddys Flat Rd (S)	B60 - Bruxner Highway		19.573	19.688	0.115
B	6716	90	Paddys Flat Rd (S)	B60 - Bruxner Highway		19.688	20.799	1.111
B	6716	95	Paddys Flat Rd (S)	B60 - Bruxner Highway	Crescent Hills Rd	20.799	22.825	2.026
B	6716	105	Paddys Flat Rd (S)	B60 - Bruxner Highway	Kyogle Shire Boundary	22.825	28.189	5.364
C	6727	05	Patemans Rd	B60 - Bruxner Highway		0.000	0.686	0.686
C	6727	10	Patemans Rd	B60 - Bruxner Highway		0.686	0.968	0.282
C	6727	15	Patemans Rd	B60 - Bruxner Highway		0.968	1.335	0.367
C	6727	20	Patemans Rd	B60 - Bruxner Highway		1.335	1.440	0.105

Road Asset Management Plan

Class	No	Segment	Name	Origin	End	Ch. Start	Ch. End	Length (km)
C	6727	25	Patemans Rd	B60 - Bruxner Highway		1.440	1.632	0.192
C	6727	30	Patemans Rd	B60 - Bruxner Highway		1.632	2.020	0.388
C	6727	35	Patemans Rd	B60 - Bruxner Highway		2.020	3.094	1.074
C	6727	40	Patemans Rd	B60 - Bruxner Highway		3.094	3.261	0.167
C	6727	45	Patemans Rd	B60 - Bruxner Highway	gate to property	3.261	3.540	0.279
D	6735	05	Patersons Rd	MR 622 - Mt Lindesay Rd	gate	0.000	5.422	5.422
E	6738	05	Peru Rd	Pyes Creek Rd	locked gate	0.000	2.981	2.981
B	6742	05	Plains Station Road	B60 - Bruxner Highway		0.000	1.330	1.330
B	6742	10	Plains Station Road	B60 - Bruxner Highway		1.330	2.876	1.546
B	6742	15	Plains Station Road	B60 - Bruxner Highway		2.876	4.145	1.269
B	6742	20	Plains Station Road	B60 - Bruxner Highway		4.145	5.344	1.199
B	6742	25	Plains Station Road	B60 - Bruxner Highway		5.344	6.854	1.510
B	6742	30	Plains Station Road	B60 - Bruxner Highway	Clarence Valley Shire Bd	6.854	12.303	5.449
D	6749	05	Plantation Rd	Beaury Creek Rd	road continues to levuka and forest plantation	0.000	0.489	0.489
E	6771	05	Potters Rd	Mole River Road		0.000	1.224	1.224
D	6782	05	Primrose Hill Rd	Sandy Flat Rd	A15 N.E. Hwy	0.000	3.008	3.008
E	6804	05	Pyes Creek - Stannum Rd (N)	Pyes Creek Rd Road		0.000	0.310	0.310
E	6804	05	Pyes Creek - Stannum Rd (S)	Red Hill Road		0.000	0.392	0.392
B	6793	05	Pyes Creek Rd	A15 - New England Highway		0.000	3.215	3.215
B	6793	20	Pyes Creek Rd	SH 9		3.215	7.291	4.076
B	6793	35	Pyes Creek Rd	SH 9	Peru Rd	7.291	9.373	2.082
B	6793	45	Pyes Creek Rd	SH 9	Red Hill Rd	9.373	12.536	3.163
C	6793	55	Pyes Creek Rd	SH 9		12.536	14.327	1.791
C	6793	65	Pyes Creek Rd	SH 9		14.327	14.550	0.223
C	6793	70	Pyes Creek Rd	SH 9		14.550	21.758	7.208
C	6793	95	Pyes Creek Rd	SH 9		21.758	22.442	0.684
C	6793	100	Pyes Creek Rd	SH 9		22.442	22.783	0.341
C	6793	105	Pyes Creek Rd	SH 9		22.783	23.845	1.062
C	6793	110	Pyes Creek Rd	SH 9	Woodside Rd/Upper Mole River Rd	23.845	26.602	2.757
B	6826	05	Quarry Rd	Scrub Rd	Greenswamp Rd	0.000	2.702	2.702
C	6826	20	Quarry Rd	Scrub Rd	Scrub Rd	2.702	6.514	3.812
D	6830	05	Ramsay Rd	B60 - Bruxner Highway	dwelling	0.000	0.971	0.971
E	6837	05	Razorback Creek Rd	Rivertree Rd	gate	0.000	3.300	3.300
C	6848	05	Red Hill Rd	Torrington Rd		0.000	0.058	0.058

Road Asset Management Plan

Class	No	Segment	Name	Origin	End	Ch. Start	Ch. End	Length (km)
C	6848	10	Red Hill Rd	Torrington Rd		0.058	4.601	4.543
C	6848	25	Red Hill Rd	Torrington Rd		4.601	5.212	0.611
C	6848	30	Red Hill Rd	Torrington Rd	Pyes Creek Rd	5.212	10.305	5.093
E	6850	05	Red Ridge Lane	Undercliffe Rd	grid	0.000	1.028	1.028
D	6859	05	Red Rock Rd	B60 - Bruxner Highway	track continues	0.000	6.200	6.200
D	6870	05	Reedy Creek Rd	MR 462 - Bruxner Way		0.000	11.640	11.640
D	6870	45	Reedy Creek Rd	MR 462 - Bruxner Way	Silent Grove Rd	11.640	19.145	7.505
E	6760	05	Reids Rd	Beaury Creek Rd	grid	0.000	0.220	0.220
E		05	Reids St	Bellevue Rd	gate	0.000	0.205	0.205
E	6882	05	Rifle Range Rd	SH16		0.000	0.210	0.210
E	6882	10	Rifle Range Rd	SH16		0.210	0.523	0.313
B	6892	05	Rivertree Rd	MR 622 - Mt Lindesay Rd		0.000	5.064	5.064
B	6892	25	Rivertree Rd	MR 622 - Mt Lindesay Rd		5.064	6.770	1.706
B	6892	30	Rivertree Rd	MR 622 - Mt Lindesay Rd		6.770	8.154	1.384
B	6892	35	Rivertree Rd	MR 622 - Mt Lindesay Rd	Under Cliff Falls Rd	8.154	11.852	3.698
C	6892	50	Rivertree Rd	MR 622 - Mt Lindesay Rd		11.852	12.079	0.227
C	6892	55	Rivertree Rd	MR 622 - Mt Lindesay Rd		12.079	17.768	5.689
C	6892	75	Rivertree Rd	MR 622 - Mt Lindesay Rd		17.768	17.978	0.210
C	6892	80	Rivertree Rd	MR 622 - Mt Lindesay Rd		17.978	22.754	4.776
C	6892	95	Rivertree Rd	MR 622 - Mt Lindesay Rd		22.754	22.860	0.106
C	6892	100	Rivertree Rd	MR 622 - Mt Lindesay Rd		22.860	26.901	4.041
D	6892	115	Rivertree Rd	MR 622 - Mt Lindesay Rd	Locked gate into property	26.901	29.245	2.344
C	6903	05	Robertsons Lane	Mt Speribo Rd	Kiernans Rd	0.000	1.662	1.662
D	6903	10	Robertsons Lane	Mt Speribo Rd	End	1.662	6.112	4.450
D	6910	05	Robinsons Lane	Washpool Creek Rd		0	0.841	0.841
C	6914	05	Rockdale Rd	SH 9 - New England Highway		0.000	6.029	6.029
C	6914	35	Rockdale Rd	SH 9		6.029	6.130	0.101
C	6914	40	Rockdale Rd	SH 9		6.130	6.593	0.463
D	6914	45	Rockdale Rd	SH 9	seg 05 end	6.593	10.286	3.693
C	6936	05	Rocky River Rd	Billirimba / Upper Rocky River Rd	Long Gully Rd	0.000	35.477	35.477
D	6947	05	Roos Rd	MR 462 - Bruxner Way	end	0.000	4.429	4.429
E	6938	05	Rosehill Rd	Bungulla Reserve Rd	gate	0.000	0.228	0.228
E	6940	05	Rosemount Rd	Bellevue Rd	gate	0.000	0.917	0.917
D	6948	05	Rover Park Rd	B60 - Bruxner Highway		0.000	0.901	0.901
D	6948	10	Rover Park Rd	B60 - Bruxner Highway		0.901	2.740	1.839
D	6948	20	Rover Park Rd	B60 - Bruxner Highway	gate	2.740	3.913	1.173
E	6950	05	Ruby Creek Rd	Dalmoak Rd		0.000	0.418	0.418
D	6969	05	Sailor Jack Rd	Back Creek Rd		0.000	2.545	2.545
D	6969	15	Sailor Jack Rd	Back Creek Rd		2.545	2.901	0.356
D	6969	20	Sailor Jack Rd	Back Creek Rd	gate	2.901	3.832	0.931
D	6975	05	Sandy Creek Rd	Timbarra Rd	Tablelands Rd	0.000	2.911	2.911
C	6980	05	Sandy Flat Rd	A15 N.E. Hwy		0.000	0.105	0.105
C	6980	10	Sandy Flat Rd	SH 9	Mt Speribo Rd	0.105	9.318	9.213

Road Asset Management Plan

Class	No	Segment	Name	Origin	End	Ch. Start	Ch. End	Length (km)
D	6991	05	Sawyers Gully Rd	MR 462 - Bruxner Way	Locked gate	0.000	3.737	3.737
B	7002	05	Schroders Rd	Sunnyside Platform Rd	aerodrome access	0.000	1.310	1.310
C	7002	10	Schroders Rd	Sunnyside Platform Rd	Tarban Loop Rd	1.302	4.726	3.424
D	7013	05	Scotts Gully Rd	Sandy Flat Rd	Gate	0.000	2.327	2.327
B	7024	05	Scrub Rd	Clifton St, Tenterfield	Snakes Valley Rd	0.000	10.915	10.915
C	7024	45	Scrub Rd	Clifton St, Tenterfield		10.915	11.148	0.233
C	7024	50	Scrub Rd	Clifton St, Tenterfield	The Mill Lane	11.148	13.499	2.351
D	7024	60	Scrub Rd	Clifton St, Tenterfield	State Forest Grid	13.499	15.254	1.755
D	7035	05	Scrub School Rd	Scrub Rd	gate	0.000	1.475	1.475
C	7046	05	Silent Grove Rd	Torrington Rd		0.000	0.847	0.847
C	7046	10	Silent Grove Rd	Torrington Rd	Mole River Rd	0.847	39.475	38.628
E	7057	05	Skeys Rd	Pyes Creek Road		0.000	0.779	0.779
E	7059	05	Smalls Lane	Maryland Rd	grid	0.000	0.329	0.329
C	7064	05	Smiths Lane	Sunnyside Loop Rd		0.000	0.038	0.038
C	7064	10	Smiths Lane	Sunnyside Loop Rd		0.038	0.491	0.453
C	7064	15	Smiths Lane	Sunnyside Loop Rd		0.491	0.554	0.063
C	7064	20	Smiths Lane	Sunnyside Loop Rd	Bus turnaround	0.554	1.217	0.663
E	7060	05	Smiths Rd	Gilgury Rd		0.000	1.150	1.150
D	7068	05	Snake Creek Rd	B60 - Bruxner Highway	gate	0.000	2.511	2.511
C	7079	05	Snakes Valley Rd	Scrub Rd		0.000	0.242	0.242
C	7079	10	Snakes Valley Rd	Scrub Rd	Bald Rock Rd	0.242	3.139	2.897
D	7079	20	Snakes Valley Rd	Scrub Rd	end	3.139	6.433	3.294
C	7090	05	Sommerlads Rd	MR 622 - Mt Lindesay Rd	Millers Lane	0.000	0.633	0.633
E	7090	10	Sommerlads Rd	MR 622 - Mt Lindesay Rd	end	0.633	1.114	0.481
D	7112	05	Springfield Rd	MR 462 - Bruxner Way		0.000	0.031	0.031
D	7112	10	Springfield Rd	MR 462 - Bruxner Way	grid	0.031	3.555	3.524
D	7123	05	Springs Rd	Mole River Rd	dwelling	0.000	6.125	6.125
D	7145	05	Steinbrook Hall Rd	Billirimba Rd	dwelling	0.000	0.703	0.703
D	7167	05	Steinbrook School Rd	Billirimba Rd	gate	0.000	1.637	1.637
E	7173	05	Stoney Ridge Road	Bondi Road	grid	0.000	0.303	0.303
C	7180	05	Sugarbag Rd (east)	Paddys Flat Rd	end	0.000	6.481	6.481
C	7185	05	Sugarbag Rd (west)	Cheviot Hills Rd	end	0.000	7.812	7.812
B	7189	05	Sugarloaf Rd	NSW/Qld Border		0.000	0.614	0.614
B	7189	10	Sugarloaf Rd	NSW/Qld Border		0.614	2.089	1.475

Road Asset Management Plan

Class	No	Segment	Name	Origin	End	Ch. Start	Ch. End	Length (km)
B	7189	15	Sugarloaf Rd	NSW/Qld Border	MR 622 - Mount Lindesay Road	2.089	2.238	0.149
B	7200	05	Summit Rd	NSW/QLD border		0.000	0.702	0.702
B	7200	10	Summit Rd	NSW/QLD border	Wylie Creek Rd	0.702	3.578	2.876
D	7205	05	Sunnyside Hall Rd	MR 462 - Bruxner Way		0.000	0.049	0.049
D	7205	10	Sunnyside Hall Rd	MR 462 - Bruxner Way	gate	0.049	1.147	1.098
B	7211	05	Sunnyside Loop Rd	Western Boundary St		0.000	2.431	2.431
B	7211	15	Sunnyside Loop Rd	Western Boundary St		2.431	3.481	1.050
B	7211	20	Sunnyside Loop Rd	Western Boundary St		3.481	6.085	2.604
B	7211	35	Sunnyside Loop Rd	Western Boundary St	SH 16 - Bruxner Highway	6.085	7.410	1.325
B	7222	05	Sunnyside Platform Rd	MR 462 - Bruxner Way	A15 N.E. Hwy	0.000	1.978	1.978
D	7233	05	Swamp Oak Creek Rd	Timbarra Rd	dwelling	0.000	0.918	0.918
D	7244	05	Sykes Gap Rd	Paddys Flat Rd (nth)		0.000	1.080	1.080
D	7244	10	Sykes Gap Rd	Paddys Flat Rd (nth)		1.080	1.293	0.213
D	7244	15	Sykes Gap Rd	Paddys Flat Rd (nth)		1.293	1.599	0.306
D	7244	20	Sykes Gap Rd	Paddys Flat Rd (nth)		1.599	1.919	0.320
D	7244	25	Sykes Gap Rd	Paddys Flat Rd (nth)	continues into forest	1.919	3.117	1.198
E	7250	05	Tableland Rd	Sandy Creek Rd	hotel	0.000	0.843	0.843
E	7255	05	Tabulam Loop Rd	Plains Station Rd	End	0.000	0.395	0.395
D	7266	05	Talmoi Rd	MR 622	grid	0.000	6.646	6.646
E	7266	10	Talmoi Rd	MR 622		6.646	9.15	2.50
C	7277	05	Tarban Loop Rd	MR 462 - Bruxner Way		0.000	0.184	0.184
C	7277	10	Tarban Loop Rd	MR 462 - Bruxner Way	Tarban Rd	0.184	4.104	3.920
C	7288	05	Tarban Rd	A15 - New England Highway	Tarban Loop Rd	0.000	1.783	1.783
C	7288	10	Tarban Rd	A15 N.E. Hwy		1.783	2.751	0.968
D	7288	15	Tarban Rd	A15 N.E. Hwy		2.751	5.419	2.668
D	7288	25	Tarban Rd	A15 N.E. Hwy		5.419	6.308	0.889
D	7288	30	Tarban Rd	A15 N.E. Hwy		6.308	7.103	0.795
D	7288	35	Tarban Rd	A15 N.E. Hwy		7.103	7.350	0.247
D	7288	40	Tarban Rd	A15 N.E. Hwy		7.350	7.572	0.222
D	7288	45	Tarban Rd	A15 N.E. Hwy		7.572	7.781	0.209
D	7288	50	Tarban Rd	A15 N.E. Hwy	gate	7.781	8.850	1.069
B		05	Tent Hill Rd	Silent Grove Rd		0.000	3.914	3.914
E	5902	05	The Mill Lane	Scrub Rd		0.000	1.350	1.350
C	7321	05	Thulimbah Rd	NSW/QLD Border		0.000	0.167	0.167
C	7321	10	Thulimbah Rd	NSW/QLD Border	Maryland Station Road	0.167	3.962	3.795
B	7343	01	Timbarra Rd	B60 - Bruxner Highway	Nutshell Rd	0.000	2.741	2.741

Road Asset Management Plan

Class	No	Segment	Name	Origin	End	Ch. Start	Ch. End	Length (km)
C	7343	20	Timbarra Rd	B60 - Bruxner Highway		2.741	3.676	0.935
C	7343	30	Timbarra Rd	B60 - Bruxner Highway		3.676	11.289	7.613
C	7343	60	Timbarra Rd	B60 - Bruxner Highway		11.289	11.509	0.220
C	7343	61	Timbarra Rd	B60 - Bruxner Highway		11.509	12.355	0.846
C	7343	65	Timbarra Rd	B60 - Bruxner Highway		12.355	13.092	0.737
C	7343	70	Timbarra Rd	B60 - Bruxner Highway	Sandy Creek Rd	13.092	13.641	0.549
D	7343	80	Timbarra Rd	B60 - Bruxner Highway		13.641	16.774	3.133
D	7343	95	Timbarra Rd	B60 - Bruxner Highway		16.774	17.611	0.837
D	7343	100	Timbarra Rd	B60 - Bruxner Highway		17.611	23.785	6.174
D	7343	120	Timbarra Rd	B60 - Bruxner Highway		23.785	24.037	0.252
D	7343	125	Timbarra Rd	B60 - Bruxner Highway		24.037	25.554	1.517
D	7343	130	Timbarra Rd	B60 - Bruxner Highway		25.554	25.807	0.253
D	7343	135	Timbarra Rd	B60 - Bruxner Highway		25.807	27.593	1.786
D	7343	145	Timbarra Rd	B60 - Bruxner Highway		27.593	27.844	0.251
D	7343	150	Timbarra Rd	B60 - Bruxner Highway	gate to mine	27.844	29.395	1.551
D	7354	05	Tin Hut Rd	Paddys Flat Rd (nth)	continues into plantation	0.000	2.926	2.926
C	7376	05	Tooloom Falls Rd	Tooloom Rd		0.000	0.707	0.707
C	7376	15	Tooloom Falls Rd	Tooloom Rd	Tooloom Falls - continues into plantation	0.707	2.489	1.782
B	7358	05	Tooloom Rd	Beaury St Urbenville		0.000	0.532	0.532
B	7358	10	Tooloom Rd	Beaury St Urbenville		0.532	1.009	0.477
B	7358	15	Tooloom Rd	Beaury St Urbenville		1.009	2.771	1.762
B	7358	20	Tooloom Rd	Beaury St Urbenville		2.771	4.275	1.504
B	7358	25	Tooloom Rd	Beaury St Urbenville		4.275	5.496	1.221
B	7358	30	Tooloom Rd	Beaury St Urbenville	Beaury Ck Rd in Seg	5.496	8.794	3.298
B	7358	40	Tooloom Rd	Beaury St Urbenville		8.794	10.463	1.669
B	7358	45	Tooloom Rd	Beaury St Urbenville		10.463	12.440	1.977
B	7358	55	Tooloom Rd	Beaury St Urbenville	MR 622 - Mount Lindesay Road	12.440	28.276	15.957
B	7390		Torrington Rd	A15 N.E. Hwy	Glen-Severn Shire Bdy (east)	0.000	1.289	1.289
B	7390	10	Torrington Rd	A15 N.E. Hwy		1.289	2.023	0.734
B	7390	15	Torrington Rd	A15 N.E. Hwy		2.023	5.819	3.796
B	7390	30	Torrington Rd	A15 N.E. Hwy		5.819	7.152	1.333
B	7390	35	Torrington Rd	A15 N.E. Hwy	Castlerag Rd	7.152	8.441	1.289
B	7390	40	Torrington Rd	A15 N.E. Hwy		8.441	9.573	1.132
B	7390	45	Torrington Rd	A15 N.E. Hwy		9.573	12.118	2.545
B	7390	55	Torrington Rd	A15 N.E. Hwy		12.118	12.712	0.594
B	7390	57	Torrington Rd	A15 N.E. Hwy		12.712	13.701	0.989
B	7390	60	Torrington Rd	A15 N.E. Hwy		13.701	14.902	1.201
B	7390	65	Torrington Rd	A15 N.E. Hwy		14.902	17.144	2.242
B	7390	75	Torrington Rd	A15 N.E. Hwy		17.144	24.170	7.026
B	7390	105	Torrington Rd	A15 N.E. Hwy		24.170	25.530	1.360
B	7390	110	Torrington Rd	A15 N.E. Hwy		25.530	26.899	1.369

Road Asset Management Plan

Class	No	Segment	Name	Origin	End	Ch. Start	Ch. End	Length (km)
B	7390	115	Torrington Rd	SH 9	Glen-Severn Shire Bdy (west)	26.899	27.927	1.028
D	7409	05	Turners Flat Rd	Grahams Creek Rd	dwelling	0.000	0.530	0.530
B	7420	05	Undercliff Rd	MR 622 - Mt Lindesay Rd		0.000	0.190	0.190
B	7420	10	Undercliff Rd	MR 622 - Mt Lindesay Rd	Rivertree Road	0.190	7.990	7.800
E	7423	05	Undercliffe Falls Rd	Rivertree Road		0.000	0.605	0.605
C	7431	05	Upper Mole River Rd	Woodside / Pyes Creek Rds		0.000	2.164	2.164
C	7431	15	Upper Mole River Rd	Woodside / Pyes Creek Rds		2.164	2.317	0.153
C	7431	20	Upper Mole River Rd	Woodside / Pyes Creek Rds		2.317	5.364	3.047
C	7431	35	Upper Mole River Rd	Woodside / Pyes Creek Rds		5.364	5.880	0.516
C	7431	40	Upper Mole River Rd	Woodside / Pyes Creek Rds		5.880	6.548	0.668
C	7431	45	Upper Mole River Rd	Woodside / Pyes Creek Rds		6.548	6.923	0.375
C	7431	50	Upper Mole River Rd	Woodside / Pyes Creek Rds	Mole River / Mole Station Rd	6.923	9.544	2.621
C	7442	05	Upper Rocky River Rd	Billirimba / Rocky River Rd		0.000	11.635	11.635
C	7442	50	Upper Rocky River Rd	Billirimba / Rocky River Rd		11.635	11.766	0.131
D	7442	55	Upper Rocky River Rd	Billirimba / Rocky River Rd	gate	11.766	23.064	11.298
D	7459	05	Urbenville Rd	Boomi Lane		0.000	3.015	3.015
D	7459	15	Urbenville Rd	Boomi Lane	Beaury creek road	3.015	4.161	1.146
C	7464	05	Vinegar Hill Rd	MR 622 - Mt Lindesay Rd	End	0.000	10.631	10.631
D	7475	05	Wades Rd	Mt McKenzie Rd	dwelling	0.000	1.190	1.190
C	7497	05	Wallaby Creek Rd	Toooloom Rd	gate	0.000	2.917	2.917
D	7508	05	Wallaroo Range Rd	Undercliffe Rd	end	0.000	2.524	2.524
B	7519	05	Washpool Creek Rd	Old Ballandean Rd		0.000	1.815	1.815
B	7519	15	Washpool Creek Rd	Old Ballandean Rd	Washpool Lane	1.815	3.109	1.294
D	7519	20	Washpool Creek Rd	Old Ballandean Rd		3.109	3.922	0.813
E	7525	05	Washpool Lane	Washpool Creek Rd	end	0.000	0.770	0.770
D	7530	05	Wellingtons Lookout Rd	Black Swamp Rd	locked gate	0.000	2.321	2.321
E	7530	10	Wellingtons Lookout Rd	Black Swamp Rd		2.32	3.33	1.01
B	7541	05	White Swamp Rd	MR 622 - Mt Lindesay Rd		0.000	2.475	2.475

Road Asset Management Plan

Class	No	Segment	Name	Origin	End	Ch. Start	Ch. End	Length (km)
B	7541	15	White Swamp Rd	MR 622 - Mt Lindesay Rd		2.475	3.247	0.772
B	7541	20	White Swamp Rd	MR 622 - Mt Lindesay Rd		3.247	4.311	1.064
B	7541	25	White Swamp Rd	MR 622 - Mt Lindesay Rd		4.311	5.718	1.407
B	7541	30	White Swamp Rd	MR 622 - Mt Lindesay Rd		5.718	6.434	0.716
B	7541	35	White Swamp Rd	MR 622 - Mt Lindesay Rd		6.434	8.825	2.391
B	7541	45	White Swamp Rd	MR 622 - Mt Lindesay Rd		8.825	15.476	6.651
B	7541	70	White Swamp Rd	MR 622 - Mt Lindesay Rd		15.476	16.811	1.335
B	7541	75	White Swamp Rd	MR 622 - Mt Lindesay Rd		16.811	20.300	3.489
B	7541	90	White Swamp Rd	MR 622 - Mt Lindesay Rd		20.300	21.441	1.141
B	7541	95	White Swamp Rd	MR 622 - Mt Lindesay Rd	NSW/QLD border	21.441	22.385	0.944
E	7545	05	Willgoose Rd	A15-New England Highway		0.000	0.314	0.314
E	7545	10	Willgoose Rd	A15-New England Highway		0.314	0.695	0.381
B	7574	05	Woodside Rd	MR 462 - Bruxner Way		0.000	12.090	12.090
B	7574	60	Woodside Rd	MR 462 - Bruxner Way		12.090	15.925	3.835
B	7574	80	Woodside Rd	MR 462 - Bruxner Way		15.925	16.968	1.043
B	7574	85	Woodside Rd	MR 462 - Bruxner Way	Pyes Creek / Upper Mole Road	16.968	18.226	1.258
B	7607	05	Wylie Creek Rd	MR 622 - Mount Lindesay Rd		0.000	2.386	2.386
B	7607	20	Wylie Creek Rd	MR 622		2.386	2.560	0.174
B	7607	25	Wylie Creek Rd	MR 622		2.560	16.299	13.739
B	7607	80	Wylie Creek Rd	MR 622		16.299	16.350	0.051

Total Length Rural Roads 1365.5 km

Total Length UnSealed Rural Roads 1065.8 km

Total Pavement Area 588 ha

Total Seal Area 159 ha

Total Pavement Only Area 399 ha

Appendix C: Road Register – Urban roads

Segment	Class	No	Name	Description	Origin	Ch. Start	Ch. End	Length
05	D	2000	Albert St	Laird to Douglas St	Laird St RR	0.012	0.107	95
05	D	2374	Aldershot Rd	Bellevue Rd	East St RR	0.013	1.038	1025
05	D	2011	Banksia Drive	Western St	Melaleuca Circuit RR	0.010	0.214	204
15	D	2022	Bulwer St	Start Bitumen Sth Derby to Widening Sth Miles	Park St RR	0.282	1.055	773
20	D	2022	Bulwer St	Widening Sth Miles to High	Park St RR	1.055	1.560	505
50	D	2022	Bulwer St	High to EOS Cowper	Park St RR	1.572	2.979	1407
05	D	2055	Clifton St	Logan St to Rouse	Logan St RR	0.011	0.333	322
05	D	2066	Clive St	East St to Francis	East St RR	0.014	1.298	1284
15	D	2077	Cowper St	Start seal east of East St to Logan St	East St RR	-0.033	0.622	655
05	D	2088	Crown St	Manners St	Miles St RR	0.016	0.226	210
05	D	2099	Derby St	East St to Logan St	East St RR	0.000	0.635	635
35	C	2099	Derby St	Logan St to Rouse St	East St RR	0.635	0.847	212
60	D	2099	Derby St	Rouse to Trail lane	East St RR	0.855	0.959	104
5	E	2110	Donaldson Lane	Logan St to Rouse St	Logan St RR	0.013	0.220	207
5	E	2121	Donnelly Lane	Rouse to Scott	Rouse St CL	0.007	0.194	187
5	D	2132	Douglas St	East to Wood	East St RR	0.014	1.084	1070
110	D	2132	Douglas St	Wood to Rouse	East St RR	0.285	0.845	560
110	C	2132	Douglas St	Rouse to widening nr Scott	East St RR	0.858	1.136	278
175	C	2132	Douglas St	Widening nr Scott to Western St	East St RR	1.136	2.345	1209
15	D	2143	Drummond St	Wood St across mt lindsay	Wood St RR	0.086	0.262	176
35	D	2143	Drummond St	Rouse to Pelham	Wood St RR	0.589	1.339	750
5	D	2154	Duncan St	Manners to Molesworth	Manners St RR	0.016	0.446	430
15	D	2154	Duncan St	Molesworth to Drummond	Manners St RR	0.459	1.866	1407
15	D	2165	East St	Reservoir to Derby St	Billirimba Rd RR	0.626	0.726	100
25	D	2165	East St	Clive to High St	Billirimba Rd RR	0.954	1.845	891
45	D	2165	East St	Clarence Street To dead end	Billirimba Rd RR	2.030	2.274	244
60	D	2165	East St	Martin St to Cowper	Billirimba Rd RR	2.274	3.251	977
5	E	2176	Erindee Ave	Manners St	Miles St RR	0.012	0.229	217

Road Asset Management Plan

Segment	Class	No	Name	Description	Origin	Ch. Start	Ch. End	Length
5	E	2187	Forest lane	Clive to Douglas	Clive St RR	0.014	0.228	214
15	E	2187	Forest lane	Douglas to Miles	Clive St RR	0.236	0.451	215
20	E	2187	Forest lane	Miles to Molesworth	Clive St RR	0.459	1.117	658
40	E	2187	Forest lane	Martin St	Clive St RR	1.238	1.330	92
50	E	2187	Forest lane	Petrie St	Clive St RR	1.467	1.552	85
10	D	2198	Francis St	Derby to Miles	Derby St RR	0.007	0.451	444
5	D	2209	George St	Petrie St to Drummond	Petrie St RR	0.020	0.988	968
25	D	2209	George St	Drummond to end seal	Petrie St RR	0.995	1.049	54
5	C	2220	High St	East St to Wood St	East St RR	0.040	0.271	231
10	C	2220	High St	Wood St to Bulwer	East St RR	0.271	0.489	218
40	A	2220	High St Parking Lanes	Bulwer to Rouse	East St RR	0.519	0.845	326
80	D	2220	High St	Rouse to Pelham	East St RR	0.864	1.632	768
120	D	2220	High St	Pelham to Railway Ave	East St RR	1.632	2.077	445
5	D	2231	Jubilee St	END (Eastern)	Bulwer St RR	0.015	0.091	76
5	D	2242	Kiely St	END (Eastern)	Bulwer St RR	0.015	0.123	108
5	E		Laird St	Pelham St to Young St	Pelham St RR	0.212	0.511	299
5	D	2253	Landers St	Petrie St	Martin St RR	0.017	0.230	213
5	E		Light Horse Dr	Intersection	Martin St RR	0.020	0.172	152
20	E		Light Horse Dr	west end	Martin St RR	0.026	0.048	22
5	D	2264	Link St	END (Northern)	Manners St RR	0.020	0.157	137
05	D	2275	Logan St	Clifton to Clive	Clifton St RR	0.021	0.579	558
20	D	2275	Logan St	Clive to Manners	Clifton St RR	0.588	1.245	657
40	D	2275	Logan St	Manners to Drummond	Clifton St RR	1.259	3.102	1843
75	D	2275	Logan St	Slip lane to Mt Lindesay	Naas St RR	0.020	0.092	72
5	E		MacKenzie Crt	End	Parkes Drive RR	0.015	0.084	69
5	C	2286	Manners St	Wood St to Logan St	Wood St RR	0.015	0.355	340
50	C	2286	Manners St	Logan to Crown St	Wood St RR	0.355	0.713	358
90	C	2286	Manners St	Crown to Pelham St	Wood St RR	0.713	1.341	628
90	C	2286	Manners St	Pelham St to Railway	Wood St RR	1.341	1.814	473
05	D	2297	Margaret St	Pelham to Railway Ave	Pelham St RR	0.012	0.461	449
05	D	2308	Martin St	East St to Rouse St	East St RR	0.018	0.847	829
65	D	2308	Martin St	Rouse to Scott St	East St RR	0.862	1.070	208
110	D	2308	Martin St	Seal Start to Pelham St	East St RR	1.342	1.613	271

Road Asset Management Plan

Segment	Class	No	Name	Description	Origin	Ch. Start	Ch. End	Length
05	E	2319	McCowen Lane	Douglas to Miles	Douglas St CL	0.015	0.228	213
15	E	2319	McCowen Lane	Miles to High St	Douglas St CL	0.239	0.668	429
20	E	2319	McCowen Lane	Molesworth to Martin	Douglas St CL	0.905	1.115	210
25	E	2319	McCowen Lane	Martin to Petrie	Douglas St CL	1.122	1.337	215
05	D		Melaleuca Circuit	Riley St To Banksia	Riley St CL	0.004	0.373	369
05	D	2330	Miles St	East St to Bulwer	East St RR	0.014	0.511	497
45	D	2330	Miles St	Bulwer to Logan	East St RR	0.511	0.625	114
50	D	2330	Miles St	Logan to Scott	East St RR	0.625	1.081	456
55	D	2330	Miles St	Scott to Francis	East St RR	1.081	1.289	208
60	D	2330	Miles St	Pelham to Railway Ave	East St RR	1.625	2.081	456
05	D	2341	Molesworth St	East to Logan	East St RR	0.077	0.631	554
10	D	2341	Molesworth St	Logan to Rouse	East St RR	0.631	0.848	217
15	C	2341	Molesworth St	Rouse to Western	East St RR	0.859	2.081	1222
5	D	2363	Naas St	East St to Duncan St	East St RR	0.020	1.388	1368
10	D	2363	Naas St	Duncan St to Pelham	East St RR	1.398	1.610	212
5	D		Parkes Drive	MacKenzie Crt	Saddlers Rd (N Prop Bd)	0.000	1.154	1154
10	D		Parkes Drive	MacKenzie Crt Intersection	Saddlers Rd	0.160	0.180	20
15	D		Parkes Drive	Thomas Pde	Saddlers Rd	0.180	0.350	170
20	D		Parkes Drive	Thomas Pde Intersection	Saddlers Rd	0.350	0.370	20
25	D		Parkes Drive	Parkes Drive	Saddlers Rd	0.370	0.811	441
30	D		Parkes Drive	Parkes Drive Intersection	Saddlers Rd	0.811	0.821	10
05	D	2385	Pelham St	Laird to Douglas	Laird St RR	0.016	0.108	92
10	C	2385	Pelham St	Douglas to Cowper	Laird St RR	0.115	2.194	2079
15	C	2385	Pelham St	Cowper to Golf Course	Laird St RR	2.202	3.268	1066
20	C	2385	Pelham St	Golf Course to Old Ballandean	Laird St RR	3.268	3.897	629
05	D	2396	Petrie St	East to Rouse	East St RR	0.015	0.849	834
10	D	2396	Petrie St	Rouse to Landers	East St RR	0.857	0.987	130
15	D	2396	Petrie St	George to Pelham	East St RR	1.186	1.615	429
20	E	2396	Petrie St	Pelham west	East St RR	1.625	1.725	100
10	E	2407	Polworth St	Drummond across Cowper	Petrie St RR	0.273	0.732	459
15	E	2407	Polworth St	Nass St north	Petrie St RR	0.923	1.015	92
05	D	2418	Railway Ave	Douglas to Molesworth	Douglas St RR	0.015	0.895	880

Road Asset Management Plan

Segment	Class	No	Name	Description	Origin	Ch. Start	Ch. End	Length
05	D	2429	Railway St	Pelham to Railway Ave	Pelham St RR	0.016	0.468	452
15	D	2440	Riley St	George to kerb North of Pelham	Polworth St RR	0.126	0.813	687
20	D	2440	Riley St	kerb North of Pelham to Western	Polworth St RR	0.813	1.225	412
05	A	2462	Rouse St Parking Lanes	Derby to Clive	Clifton St CL	0.370	0.590	220
10	A	2462	Rouse St Parking Lanes	Clive to Naas	Clifton St CL	0.600	2.310	1710
15	A	2462	Rouse St Parking Lanes	Naas to south of Cowper	Clifton St CL	2.310	2.662	352
	D	2462	Rouse St	Cowper to Old Ballandean	Clifton St CL	2.863	4.286	1423
	D		Saddlers Rd	A15 Turning lane	C/L A15	0.000	0.007	7
05	D		Saddlers Rd	Parkes Dr	C/L A15	0.007	0.068	61
10	D		Saddlers Rd	Parkes Dr Intersection	C/L A15	0.068	0.083	15
05	D	2473	Scott St	Donnelly to Douglas	Donnelly Lane RR	0.020	0.571	551
10	D	2473	Scott St	Douglas to Seal Width Change	Donnelly Lane RR	0.582	0.690	108
15	D	2473	Scott St	Seal withd change to Miles	Donnelly Lane RR	0.690	0.792	102
20	D	2473	Scott St	High to Molesworth	Donnelly Lane RR	1.248	1.457	209
25	D	2473	Scott St	Molesworth to Martin	Donnelly Lane RR	1.464	1.688	224
15	D	2495	Simpson St	Logan to Rouse	Bulwer St RR	0.010	0.288	278
05	E		Thomas Parade	End	Parkes Drive	0.020	0.069	49
05	E	2517	Trail Lane	Derby to Douglas	Donnelly Lane RR	0.016	0.448	432
05	E	2528	Wellburn Lane	Douglas to Miles	Douglas St RR	0.021	0.223	202
05	D	2539	Western St	Bismark St to Cemetary	Bismark St RR	0.044	0.486	442
10	D	2539	Western St	Cemetary to Molesworth	Bismark St RR	0.486	1.341	855
15	C	2539	Western Boundary Road	Molesworth St to Rail Bridge	Molesworth St RR	0.015	0.464	449
20	C	2539	Western Boundary Road	Rail Bridge to Cowper	Molesworth St RR	0.503	1.327	824
05	D		Whereat Lane	Manners to High	Manners St RR	0.018	0.232	214
05	D	2561	Wood St	Derby to Douglas	Derby St RR	0.021	0.223	202
15	D	2561	Wood St	Douglas to Clarence	Derby St RR	0.466	0.667	201

Road Asset Management Plan

Segment	Class	No	Name	Description	Origin	Ch. Start	Ch. End	Length
20	D	2561	Wood St	Clarence to Molesworth	Derby St RR	0.687	0.888	201
25	D	2561	Wood St	Molesworth to Martin	Derby St RR	0.909	1.111	202
30	D	2561	Wood St	Martin to EOS near cowper	Derby St RR	1.131	1.191	60
15	E	2572	Woolnough Lane	Derby to Clive	Simpson St RR	0.234	0.449	215
20	E	2572	Woolnough Lane	Clive to Douglas	Simpson St RR	0.458	0.673	215
05	D	2583	Young St	Laird to Douglas	Laird St RR	0.013	0.104	91

Total Length Tenterfield Streets 55,533 m

Total Length UnSealed Tenterfield Streets 1285 m

Total Pavement Area 193,233 m²

Total Seal Area 185,248 m²

Total Pavement Only Area 5,565 m²

Road Asset Management Plan

Segment	Class	No	Name	Description	Origin	Ch. Start	Ch. End	Length
Drake								
10	D	2600	Allison St (S)	Whole Length	South Boundary	0.088	0.193	105
25	D	2600	Allison St (N)	Whole Length	South Boundary	0.226	0.355	129
45	D	2600	Allison St Lane	Whole Length	Allison St CL	0.004	0.870	866
5	D	2633	Ewingar St	Whole Length	Start	0	0.131	131
5	D		Ruby St	Whole Length	Fairfield St	0.03	0.096	66
5	D	2644	School St	Whole Length	Allison CL	0.004	0.104	100
5	D	2655	Tabulum St	Whole Length	Allison CL	0.004	0.158	154
5	D	2655	Timbarra St	Whole Length	B60 CL	0	0.127	127
Jennings								
5	E	2700	Andersons Lane	Whole Length	Border St (QLD)	0	0.310	310
5	D	2700	Apsley St	Whole Length	Border St	0.03	0.136	106
10	D	2711	Ballandean St	Whole Length	Phelhampton Cres	0.03	1.014	984
5	D		Carpenter Lane	Phelhampton Cres to Cusack St	Phelhampton Cres	0	0.131	131
5	D	2733	Cusack St	Ross St to Carpenter Lane	Ross St	0	0.564	564
5	D	2755	Duke St	Ballandean to Andersons Lane	Ballandean St	0	1.063	1063
10	D	2766	Gladstone St	Manor St	King St	0.188	0.308	120
20	E	2766	Gladstone St	High St	King St	0.472	0.539	67
25	D	2766	Gladstone St	High to aspley	King St	0.569	1.026	457
40	D	2766	Gladstone St	Aspley to Carrington	King St	1.026	1.148	122
10	D	2777	Graham St	Gladstone St to Duke St	Gladstone St	0.03	0.136	106
			Graham St	Duke to Gladstone		0	0.136	136
1	D	2788	High St	Duke to Robinson	Duke St	0.03	0.303	273
5	D	2843	Isles St	Whole Length	Phelhampton Cres	0	0.193	193
5	E	2799	King St	Manor St	Ballandean St	0	0.125	125
5	D	2810	Manor St	Manor to Duke	Robinson St	0	0.305	305
	D	2821	Phelhampton Crescent	State Border	Speed Restriction/destination	0	0.655	655
10	E	2832	Robinson St	Manor St	END (Southern)	0.707	0.768	61
15	E	2832	Robinson St	High St	END (Southern)	0.798	0.998	200
5	E	2843	Ross St	Holwell Border St (W)	Holwell St	0	0.255	255
Legume								
5	E		Cullendore St	Tooloom St to Killarney St	Tooloom St (N Bd)	0	0.223	223

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Segment	Class	No	Name	Description	Origin	Ch. Start	Ch. End	Length
10	E		Cullendore St	Short St to Beaury St	Short St	0	0.201	201
5	E	2911	Beaury St	Acacia to Cullendore	Acacia Ave (E Bd)	0	0.173	173
5	D	5814	Flagstone St	Sawmill Gate	Acacia Ave (Rural)	0	0.440	440
05	D	2944	Short St	Acacia to Cullendore	Acacia Ave (E Bd)	0	0.170	170
05	D	2955	Tooloom St	Acacia to Cullendore St	Acacia Ave (E Bd)	0	0.115	115
10	D	2955	Tooloom St	Cullendore St intersection	Acacia Ave (E Bd)	0.115	0.139	24
15	D	2955	Tooloom St	Junction St	Acacia Ave (E Bd)	0.139	0.341	202
20	D	2955	Tooloom St	Junction St intersection	Acacia Ave (E Bd)	0.341	0.371	30
25	D	2955	Tooloom St	Grid	Acacia Ave (E Bd)	0.371	0.675	304
30	D	2955	Tooloom St	Grid	Acacia Ave (E Bd)	0.675	0.823	148
Liston								
05	D	3000	Acacia St	Clarence St	Stanthorpe St	0.03	0.232	202
10	E	3000	Acacia St	End (Northern)	Stanthorpe St	0.262	0.372	110
05	E	3011	Clarence St	Property Boundary Start Seal	Property Boundary (Eastern) - Creek	0	0.130	130
10	D	3011	Clarence St	Seal to Mt Lindesay	Property Boundary (Eastern) - Creek	0.13	0.371	241
05	E	3044	Stanthorpe St	Start to seal	END (Eastern)	0	0.117	117
10	D	3044	Stanthorpe St	Seal to Tenterfield St	END (Eastern)	0.117	0.409	292
05	D		Tenterfield St	Stanthorpe St to boundary	Transfer Station	0	0.135	135
Torrington								
	C	3100	Bates Rd	Shire BDY	Speed restriction/destruction	0	0.400	400
	E	3111	Eschman Lane	END (Northern)	Sherrats Rd	0	0.130	130
	D	3122	Gilligan Lane	Bates to end	Bates Rd	0	0.428	428
	D	3133	Moss Lane	Bates Rd	Rundle Lane	0	0.121	121
	D	3144	Rundle Lane	Moss Lane	Gilligan Lane	0	0.199	199
	D	3155	Sheratts Rd	Silent Grove Rd	Bates Rd	0	0.962	962
	E	3166	Tomtoy Ave	Silent Grove Rd	Sherrats Rd	0	1.028	1028
Urbenville								
5	D	3200	Beaury St	Boundary to end seal	Council Boundary	0	1.003	1003
5	D	3211	Boomi St	Stephen St	Beaury St, N Boundary	0.043	0.339	296
05	E	3222	Crown St	End Seal	Beaury St	0.02	0.167	147

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Segment	Class	No	Name	Description	Origin	Ch. Start	Ch. End	Length
05	D	3233	Dean St	Forest Ave to gate	Forest Ave Intersection	0	0.184	184
15	E	3233	Dean St	Gate to End Seal	Forest Ave	0.192	0.331	139
5	D		Forest Ave	Deane St Intersection	Urban St - Western Property Boundary	0	0.421	421
5	D		Stephen St	Tooloom St to end	Tooloom St	0	0.573	573
5	D	3255	Tooloom St	Urban to Beaury	Urban St	0.091	0.629	538
5	C	3277	Urban St	Speed restriction/destruction to Beaury	Speed restriction/destruction	0	0.545	545
5	D	3288	Welch St	Beaury to Stephen	Beaury St	0.02	0.231	211

Total Length Village Streets 18493.0 m

Total Length UnSealed Village Streets 5313.0 m

Total Pavement Area 100,469 m2

Total Seal Area 63,695 m2

Total Pavement Only Area 24,707 m2

Appendix D: Proposed Road Names

Suggested Road Names for any future additions to the register may include;

Regional

Subject to approval of Transport for NSW

Rural

- Natural timber or wood classes
- Native flora
- Historical

Urban

- Local natural mineral types
- Natural timber or wood classes
- Native flora
- Historical

Appendix E: Register of bridges and large culverts

Bridge No	Road Name	Date	Stream	Length (m)	Width (m)	Type
Regional						
62218	Mt Lindesay Rd	2021	Boonoo Boonoo River			Concrete
62219	Mt Lindesay Rd	2016	Bookookoorara Creek	30.6	8.54	Concrete Beam
36101	Mt Lindesay Rd	1968	Toooloom Creek	52.5	7.30	Steel Girder
36102	Mt Lindesay Rd		Toooloom Creek	43.6		Steel Girder
18901	Mt Lindesay Rd	c1980	Acacia Creek	21.0	8.05	Concrete Box Culvert
29003	Mt Lindesay Rd		Wards Creek	7.7	8.85	Concrete Box Culvert
29002	Mt Lindesay Rd	1947	Ruby Creek	12.8	8.65	Concrete Beam
26001	Mt Lindesay Rd	1948	Herding Yard Creek	7.1	6.80	Concrete Box Culvert
62201	Mt Lindesay Rd	1948	Unnamed Ck (Naas St)	5.5	0.00	Concrete Box Culvert
62202	Mt Lindesay Rd	1941	Red Bill Swamp Ck	9.0	7.30	Concrete Box Culvert
62203	Mt Lindesay Rd	1956	Pitkins Swamp Creek	45.7	7.90	Steel Girder
62228	Mt Lindesay Rd			6.8	9.20	Concrete Box Culvert
62204	Mt Lindesay Rd		Washpool Ck (London Bridge)	34.2	6.95	Concrete Beam
62207	Mt Lindesay Rd		Resurrection Creek	8.8	6.40	Concrete Box Culvert
62205	Mt Lindesay Rd	1997	Carrolls Creek	12.0	8.00	Doolan Deck-Concrete
62220	Mt Lindesay Rd		Bookookoorara	6.2	18.30	Concrete Box Culvert
62210	Mt Lindesay Rd	1937	Jenners Creek	13.0	7.00	Concrete Beam
62209	Mt Lindesay Rd		Mursons Creek	14.4	10.40	Concrete Box Culvert
62211	Mt Lindesay Rd	1990	Wylie Creek	10.5	8.40	Concrete Box Culvert
62225	Mt Lindesay Rd	2003	Kellys Bridge	9.2	10.80	Concrete Box Culvert
62212	Mt Lindesay Rd	1930	Wylie Creek	55.0	6.10	Concrete Beam
62213	Mt Lindesay Rd	1930	Maryland River	64.5	6.10	Steel Beam
62214	Mt Lindesay Rd	1931	Koreelah Creek	65.7	6.10	Concrete Beam, Concrete Arch
62215	Mt Lindesay Rd		Stockyard Creek	6.6	12.80	Concrete Box Culvert
62217	Mt Lindesay Rd		Unnamed	13.0	6.10	Concrete Box Culvert
62221	Mt Lindesay Rd	2010	Acacia Creek	19.5	9.36	PSC Planks
62222	Mt Lindesay Rd	2009	Oakey Creek	32.7	9.00	PSC Girder
62223	Mt Lindesay Rd	2009	Little Oakey Creek	32.0	9.00	PSC Girder
62224	Mt Lindesay Rd	2010	Hoffmans Creek	23.1	9.36	PSC Planks
62227	Mt Lindesay Rd		Golden Mile			Concrete Box Culvert
62226	Mt Lindesay Rd		Golden Mile			Concrete Box Culvert
9540	Bruxner Way		Browns Ck	16.6	10.30	PSC Plank
9541	Bruxner Way		Millers Ck	15.6	9.50	PSC Plank
2820	Bruxner Way		Saltwater Gully	11.73	9.14	CBC
2821	Bruxner Way		Whalans Ck	15.77	13.31	CBC
10117	Bruxner Way		Ten Mile Ck	10.038	9.84	CBC
8901	Bruxner Way		Swamp Ck	36	9.10	Conc Beam
2824	Bruxner Way	1968	Deadmans Ck	10	9.06	CBC

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2825	Bruxner Way		Unnamed Ck	15.84	0.00	CBC
2826	Bruxner Way		Unnamed Ck	6.8	24.38	CBC
9542	Bruxner Way		Mole River	60	9.15	PSC Plank
2828	Bruxner Way		Unnamed Ck	22.4	16.94	CBC
2829	Bruxner Way		Unnamed Ck	14.52	12.19	CBC
2830	Bruxner Way		Unnamed Ck	12.95	17.32	CBC
2831	Bruxner Way		Unnamed Ck	8.69	10.00	CBC
	Bruxner Way					CBC
9543	Bruxner Way		Reedy Ck	62.4	9.95	PSC Plank
2833	Bruxner Way		Yellow Gully Ck	10.66	0.00	PSC Plank
2834	Bruxner Way		Unnamed Ck	22.96	14.60	CBC
2835	Bruxner Way		Unnamed Ck	6.88	21.34	CBC
7321	Bruxner Way		Dumaresq R Fd/w	30	10.20	PSC Plank
2837	Bruxner Way		Dumaresq R Fd/w	8.3	9.90	CBC
2838	Bruxner Way		Gulf Ck	43.18	10.02	CBC
2839	Bruxner Way		Sandy Ck	20.24	10.02	CBC
7325	Bruxner Way		Dumaresq R Fd/w	18	9.20	PSC Plank
2841	Bruxner Way		Black Ck	16.48	10.05	CBC
2842	Bruxner Way		Unnamed Ck	6.85	9.86	CBC
2843	Bruxner Way		Black Ck Billabong	19.02	10.06	CBC

Rural

50771	Back Creek Rd	-	Tenterfield Creek	46.15	4.60	Timber beam
51001	Barlows Gate Rd	-	Acacia Creek	17.10	5.25	Timber beam
51542	Beaury Creek Rd	-	Beaury Creek	12.00	5.00	Timber beam
51543	Beaury Creek Rd	-	Boundary Creek			
51544	Beaury Creek Rd	-	Five Mile Creek			
51871	Billirimba Rd	-	Hawkins Gully	6.74	5.10	Timber beam
51873	Billirimba Rd	-	Swamp Oak Creek	11.80	4.80	Timber beam
51874	Billirimba Rd	-	Quigeram Creek	8.10	3.30	Timber beam
51875	Billirimba Rd	-	Billirimba Creek	9.50	3.70	Timber beam
52201	Black Swamp Rd	-	Cataract River	32.65	3.50	Timber beam
53191	Boorook Rd	-	Cataract River	43.40	4.80	Timber beam
53192	Boorook Rd	-	Boorook Creek	11.50	3.90	Timber beam
54511	Castlerag Rd	-	Deepwater River	10.45	3.60	Timber beam
55061	Cheviot Hills Rd	-	Fairfield Creek	10.20	3.60	Timber beam
56051	Cullens Creek Rd	-	Koreelah Creek	9.50	3.30	Timber beam
59351	Gould Falls Rd	-	Acacia Creek	7.00	4.00	Timber beam
59461	Grahams Creek Rd	-	Grahams Creek	15.70	5.45	Timber beam
60451	Harrigans Lane	-	Unnamed Creek	6.30	4.15	Timber beam
60452	Harrigans Lane	-	Boonoo Boonoo River	13.60	3.90	Timber beam
61112	Hootons Rd	1948	Clarence River			
61111	Hootons Rd	-	Emu Creek			
61441	Johnstones Rd	-	Pyes Creek			
61662	Kellys Rd	-	Swamp Oak Creek	6.1	4.7	Timber Beam
62211	Kia-Ora Rd	-	Five Mile Creek	8.30	3.55	Timber beam
62431	Leeches Gully Rd	-	Washpool Creek	8.36	6.00	Timber beam
62761	Lindsay Creek Rd	-	Lindsay Creek	18.80		Timber beam

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69251	Lower Rocky River Rd	-	Unnamed Creek	6.30	2.70	Timber beam
64521	McLeods Creek Rd	1974	McLeods Creek	11.85	3.20	Timber beam
65072	Mole River Rd	-	Tablelands Creek	37.00	4.10	Timber beam
65451	Mount Clunie Rd	-	Unnamed Creek	9.40	3.74	Timber beam
65452	Mount Clunie Rd	-	Woodenbong Creek	10.60	3.70	Timber beam
65731	Mt Speribo Rd	-	Horse Swamp	7.50	4.56	Timber beam
65951	Needhams Creek Rd	1943	Tooloom Creek	31.80	3.10	Timber beam
67161	Paddys Flat Rd	-	Unnamed Creek	10.10	6.23	Timber beam - widened
67201	Paddys Flat Rd (nth)	-	School Gully	11.30	3.76	Timber beam
67202	Paddys Flat Rd (nth)	-	Kangaroo Creek	19.00	4.20	Timber beam
67203	Paddys Flat Rd (nth)	-	Unnamed Creek	11.20	4.87	Timber beam
67200	Paddys Flat Rd (nth)	-	Tooloom Creek	42.00	4.95	Timber beam
67351	Pattersons Rd	-	Acacia Creek	11.40	3.60	Timber beam
67423	Plains Station Rd	-	Gap Creek	11.45	4.94	Timber beam
67424	Plains Station Rd	-	Booth Creek	22.00		Conc Box
67933	Pyes Creek Rd	-	Pyes Creek	9.30	3.55	Timber beam
67934	Pyes Creek Rd	-	Pyes Creek	12.00	4.00	Timber beam
68921	Rivertree Rd	-	Maryland River	14.30	3.60	Timber beam
69361	Rocky River Rd	-	Demon Creek	8.22	3.70	Timber beam
69362	Rocky River Rd	-	McLeods Creek	43.70	4.90	Timber beam
69801	Sandy Flat Rd	-	Five Mile Creek	31.65	3.25	Timber beam
70461	Silent Grove Rd	-	Nukoorapeta Creek	10.10	4.07	Timber beam
71121	Springfield Rd	-	Mole River	22.05	3.55	Timber beam
71231	Springs Rd	-	Unnamed Creek	9.00		Timber beam
72111	Sunnyside Loop Rd	-	Blacksmiths Creek	11.20	6.40	Timber beam - widened
73581	Tooloom Rd	1934	Beaury Creek	31.10	5.26	Timber beam
73583	Tooloom Rd	1934	Wallaby Creek	28.00	5.30	Timber beam
73901	Torrington Rd	-	Deepwater River	18.90	4.88	Timber beam
73903	Torrington Rd	-	Kangaroo Creek	6.70	6.60	Timber beam
74591	Urbenville Rd	-	Unnamed Creek			
75081	Wallaroo Range Rd	-	Bookookoorara Ck	8.65	3.95	Timber beam
75411	White Swamp Rd	-	Woodenbong Creek	17.40	4.40	Timber beam
75412	White Swamp Rd	-	Koreelah Creek	23.46	4.45	Timber beam
50331	Acacia Plateau Rd	-	Acacia Creek	20.00	5.40	Prestressed Concrete Girder
50991	Bald Rock Rd	-	Bluff River	32.18	5.14	Concrete beam
50992	Bald Rock Rd	2003	Fords	10.70	4.90	Concrete Box culvert
51541	Beaury Creek Rd	-	Beaury Creek	11.00	5.00	Doolan Deck
51545	Beaury Creek Rd	-	Beaury Creek			
51546	Beaury Creek Rd	-	Beaury Creek	10.60	4.13	Concrete
51872	Billirimba Rd	-	Barney Downs Creek	13.80	4.28	Prestressed Concrete Girder
53521	Brassington Creek Rd	-	Bluff River	10.77	4.80	Concrete Beam
55941	Cullendore Rd	-	Maryland River	63.00	4.50	Concrete Box Girder
61221	Hynes Bridge Rd	1997	Dumaresq River	64.20	4.80	Concrete
61661	Kellys Rd	-	Barney Downs Creek	0.00		Box Culvert
64961	Mingoola Station Rd	-	Dumaresq River	48.10	7.30	Concrete Box Girder
65071	Mole River Rd	-	Mole River	48.00	5.00	Doolan Deck - Concrete

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67162	Paddys Flat Rd	-	Emu Creek	24.00	5.00	Doolan deck - Concrete
67421	Plains Station Rd	1932	Timbarra River	84.00	5.20	Prestressed Concrete Girder
67424	Plains Station Rd	2010	Booth Ck	10.79	7.37	Box Culvert
67931	Pyes Creek Rd	-		9.60	10.80	Concrete Box culvert
67932	Pyes Creek Rd	-	Deepwater River	20.68	4.25	Concrete Box Girder
67935	Pyes Creek Rd	-	Mole River	64.50	4.30	Concrete Box Girder
70241	Scrub Rd	-	Hawkins Creek	7.00	8.50	Concrete Culvert
70242	Scrub Rd	-	Tenterfield Creek	25.70	10.80	Concrete Culvert
70243	Scrub Rd	-	Unnamed Creek	14.90	7.90	Concrete culvert (armco)
73431	Timbarra Rd	-	Swamp Oak Creek	20.00	4.83	PC Concrete beam
73584	Tooloom Rd	-	Unnamed Creek	0.00		Concrete Culvert @ Tooloom Falls Rd
73582	Tooloom Rd	2002	Needhams Creek	12.25	6.80	Doolan Deck
73902	Torrington Rd	-	Nukoorapeta Creek	12.00	8.00	Doolan deck - Concrete
73904	Torrington Rd			7.80	9.00	Concrete box culvert
75413	White Swamp Rd	2002	Koreelah Creek	21.60	4.90	Doolan Deck
76071	Wylie Creek Rd	-	Maryland River	31.00	3.70	Prestressed Concrete Girder

Urban

90214	Molesworth St	pre 1948	Tenterfield Creek	46.7	9.8	Timber beam & footway
90261	Tooloom St, Legume	-	Acacia Creek	9.9	4.1	Timber Beam - Widened
90211	Douglas St	-	Tenterfield Creek	37.0	8.8	Concrete box girder
90212	High St	-	Tenterfield Creek	46.0	6.8	Concrete box girder
90213	Manners St	Since 1977	Tenterfield Creek	24.1	9.6	Concrete box girder
90215	Naas St	-	Tenterfield Creek	15.0	10.6	Concrete box girder

Appendix F: Risk Evaluation

Risk assessment matrices

Risk Rating Formula

Likelihood of occurrence (Matrix A) x Hazard Type (Matrix B) = Road Risk Rating

Matrix A - Likelihood score

Category	Description
1	Very unlikely
2	Unlikely
3	Possible
4	Likely
5	Highly likely

Matrix B – Type of problem score

DESCRIPTION OF HAZARD	Hazard Type				
	5	4	3	2	1
Obstructions and Substances on Road					
Small sized object with a max dimension of < 100mm					1
Medium sized object with a max dimension of between 100 and 200mm			3		
Large sized object with a maximum dimension of greater than 200mm	5				
Flexible and Rigid Pavements - Sealed					
Spilled Materials on Sealed Road					
Spills of granular materials < 6m ²					1
Spills of granular materials > 6m ² or spills of oil, wet clay or other slippery substances < 6m ²			3		
Spills of oil, wet clay or other slippery substances > 6m ²	5				
Potholes					
Potholes diameter 200mm to 300mm and/or depth of 50mm to 75mm					1
Potholes of diameter greater than 300mm and/or depth greater than 75mm			3		
Shoving and/or Rutting					
Deformations 50 to 100 mm deep and greater than 4m long					1
Deformations greater than 100mm deep and greater than 4m long and/or ponding water hazardous to traffic			3		
Edge Drop and Rigid Pavement Joints					
Urban area - drop 50 to 75 mm and greater than 5m long					1
Drop 75 to 150 mm and greater than 5m long			3		
Drop greater than 150 mm	5				
Unsealed Roads					
Rutting and Scouring					
Up to 50 mm deep and > 150mm wide and < 10m long					1

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DESCRIPTION OF HAZARD	Hazard Type				
	5	4	3	2	1
Up to 50 mm deep and > 150mm wide and > 10m long				2	
50 to 100mm deep and < 150mm wide and < 10m long				2	
50 to 100mm deep and < 150mm wide and > 10m long			3		
50 to 100mm deep and 150 to 300mm wide and < 10m long			3		
50 to 100mm deep and 150 to 300mm wide and > 10m long		4			
>100 mm deep and/or > 300 mm wide	5				
Potholes					
> 150mm diameter and up to 50mm deep and < 10m long					1
> 150mm diameter and up to 50mm deep and > 10m long				2	
150 to 300mm diameter and 50mm to 100mm deep and < 10m long			3	2	
150 to 300mm diameter and 50mm to 100mm deep and >10m long			3		
> 300mm diameter and 50mm to 100mm deep and < 10m long			3		
> 300mm diameter and 50mm to 100mm deep and > 10m long		4			
> 300mm diameter and > 100mm deep	5				
Corrugations					
15 to 25mm deep and < 10m long					1
15 to 25mm deep and > 10m long				2	
> 25mm deep and < 10m long				2	
> 25mm deep and > 10m long			3		
Signage					
<u>Regulatory and Warning Signs</u>					
In poor condition				2	
Missing or illegible	5				
<u>All Other Signs</u>					
In poor condition					1
Missing or illegible				2	
Roadside Furniture					
<u>Guide Posts and Reflectors</u>					
In poor condition					1
Missing two or more consecutive posts and/or reflectors			3		
Missing guideposts and/or reflector in a critical location	5				
<u>Guardrail and Safety Fencing</u>					
In poor condition					1
In a dangerous condition				2	
Road Markings					
Longitudinal Line Marking, Transverse Markings, Pavement Symbols and Pavement Markers Missing or illegible in a critical location				2	

Appendix G: Forms

Tenterfield Shire Council Road Inspection Report

Road Inspected: _____

Location (e.g. segment / landmark/ chainage)	Defect	Interim Safety?	Proposed Repair	Risk Scores			Comment	DB ID
				Likelihood	Defect Type	Total		

Item	Checked?	General Comments	Item	Checked?	General Comments
Gates and Bypasses			Drainage		
Vehicle Access Safety / Impact			Bridges		
Verges			Signage		

Date: _____ Inspected By: _____ Signature: _____