



**Section 94 Contributions Plan 2004**  
Draft Amendment No.77  
Area 5 Roads and Traffic Facilities

**Reference 28709**  
**June 2005**

**Adopted by Council:**

**Effective from:**

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## Table of Contents

<b>1. Introduction</b> .....	<b>1</b>
<b>2. Legal</b> .....	<b>1</b>
<b>3. Purpose of the Plan</b> .....	<b>1</b>
<b>4. Deleted Projects</b> .....	<b>1</b>
<b>5. Updated and Retained Projects</b> .....	<b>1</b>
<b>6. Recoupment Projects</b> .....	<b>1</b>
<b>7. New Projects</b> .....	<b>1</b>
<b>8. Land to which the Plan Applies</b> .....	<b>2</b>
Clause 27(1) (b) E P & A Regs. 2000 .....	<b>2</b>
<b>9. Nexus</b> .....	<b>2</b>
Clause 27(1) (c) E P & A Regs. 2000 .....	<b>2</b>
9.1. General.....	2
9.2 Apportionment .....	2
9.3 Rural Residential Development .....	2
9.4 Industrial and Commercial Development.....	2
<b>10. Contributions Formula</b> .....	<b>2</b>
10.1 Residential Development.....	2
10.2 Industrial and Commercial Development.....	2
10.3 Rural Residential Development .....	2
<b>11. Contribution Rates</b> .....	<b>2</b>
<b>12. Contribution Payment</b> .....	<b>3</b>
12.1 Method of Payment .....	3
12.2 Deferment.....	3
12.3 Land Dedication.....	3
<b>13. Estimated Costs</b> .....	<b>3</b>
<b>14. Schedule of Facilities</b> .....	<b>3</b>
14.1 General.....	3
14.2 Strengthen Existing Sealed Pavement .....	3
14.3 Upgrade Pavement to Sealed Standard .....	4
<b>15. Timing</b> .....	<b>4</b>
<b>References</b> .....	<b>4</b>
<b>Appendices</b> .....	<b>4</b>

## 1. Introduction

The Section 94 Contributions Plan (CP) 1993 is a comprehensive document covering some 340 projects. The Plan has been in force for 10 years. The CP has not been static over this time but has been changed on an individual project basis through many amendments.

There are several factors that have led to the need for a comprehensive review. Some of these factors are:

- Changes in strategies or policies;
- The need for increased flexibility;
- The need to spend funds;
- Changes in project details;
- The need to add new projects;
- The need for closer integration with works and financial programs; and,
- The need to improve the CP format.

## 2. Legal

This CP is made under Part 4, Division 6, Section 94B of the Environmental Planning and Assessment Act 1979 (as amended), in accordance with Part 4 of the EP and A Regulation 2000.

## 3. Purpose of the Plan

Clause 27(1) (a) E P & A Regs. 2000

The purpose of the Plan is to fund a proportion of the costs of providing roads and other traffic facilities within Planning Area 5 of the City of Shoalhaven by way of a Section 94 levy on new development on land within the relevant project benefit areas.

Further aims of this Plan are to:

- Delete thirty (30) road projects;
- Retain and update fifteen (15) projects;
- Contain nine (9) recoupment projects for roads and traffic facilities that Council has provided in anticipation of new development; and,
- Create five (5) new road projects.

## 4. Deleted Projects

This Plan deletes thirty (30) Area 5 road projects from the S94 Contributions Plan.

The reasons for deleting projects are:

- Project completed
- Project no longer required
- Benefit Area fully developed and all contributions collected
- No contributions received

For additional information, refer to Appendix A (Area 5 Deleted Projects).

## 5. Updated and Retained Projects

This Plan retains and updates fifteen (15) existing Area 5 road projects that are contained in the S94 Contributions Plan 1993.

For additional information, refer to Appendix B (Area 5 Updated and Retained Projects).

## 6. Recoupment Projects

This Plan contains nine (9) Area 5 road projects for which recoupment is sought for part of the cost incurred by Council for constructing the road in anticipation of new development.

For additional information, refer to Appendix C (Area 5 New and Recoupment Projects).

## 7. New Projects

This plan contains five (5) new projects:

05 ROAD 0007	Kings Point Road
05 ROAD 0058	Little Forest Road
05 ROAD 0059	Green/Cashman R'bout
05 ROAD 0060	Gordon Street
05 ROAD 0061	Matron Porter Drive

For additional information refer to Appendix C (Area 5 New and Recoupment Projects).

## 8. Land to which the Plan Applies

Clause 27(1) (b) E P & A Regs. 2000

The Plan applies to the land located within the Benefit Areas associated with individual road projects. For each project the subject land is hatched and bordered by a thick black line as shown on the Benefit Area maps in Appendix F.

Generally, the subject land is located adjoining or adjacent to the road project from which it gains direct vehicular access.

## 9. Nexus

Clause 27(1) (c) E P & A Regs. 2000

### 9.1. General

Where new development requires the provision of a road, the upgrading of an existing road or other traffic facilities, each dwelling (or equivalent tenement - E.T.) is levied an equitable proportion of the cost.

The contribution is based on the proportion of traffic generated by the new development.

### 9.2 Apportionment

Generally, Council is responsible for that portion of costs associated with traffic generated by existing development (including "through" traffic).

### 9.3 Rural Residential Development

Within rural residential areas, all of the estimated cost is funded by the new development. This is because development at higher than normal rural densities requires upgrading of existing rural roads.

### 9.4 Industrial and Commercial Development

Given the uncertainty of predicting the type and scale of industrial or commercial development, contributions are generally based on the site area or road frontage that is developed.

## 10. Contributions Formula

Clause 27(1) (d) E P & A Regs. 2000

### 10.1 Residential Development

For residential development the contribution is based on:

$$\text{Contribution} = \frac{\text{Estimated Project Cost}}{\text{Estimated number of All Benefiting Lots/Dwellings (E.T.'s)}}$$

### 10.2 Industrial and Commercial Development

For industrial and commercial development the contribution is based on:

$$\text{Contribution} = \frac{\text{Estimated Project Cost}}{\text{Square Metres or Lineal Metres}}$$

### 10.3 Rural Residential Development

For rural residential developments the contribution is based on the following formula:

$$\text{Contribution} = \frac{\text{Estimated Project Cost}}{\text{Estimated Number of Potential (New) Lots/Dwellings (E.T.'s)}}$$

## 11. Contribution Rates

Clause 27(1) (e) E P & A Regs. 2000

The contribution rates are adjusted annually in line with the Implicit Price Deflator Index (New Engineering and Construction).

Contribution rates for individual projects are listed in Appendix D.

For additional information, refer to the Apportionment and Estimated Cost Tables in Appendix E.

## **12. Contribution Payment**

Clause 27(1) (f) E P & A Regs. 2000

### **12.1 Method of Payment**

Payment of S94 contributions may be made in cash, by money order or bank cheque.

For subdivision development payment is made on the release of linen plans.

For other types of development, or where construction is involved, payment is made prior to the construction certificate permit being issued.

### **12.2 Deferment**

In exceptional circumstances Council may defer payment provided the following criteria are satisfied:

The maximum deferral is two years from the standard payment date; and,

The provision of:

- a bank guarantee for the required amount, plus an interest rate equivalent to that charged on overdue rates for the period of the bank guarantee; and,
- an administration fee.

Deferral of S94 contribution payments is based on individual merit and is subject to the approval of the Director of the Development and Environmental Services Group, or nominee. Precedents should not be relied upon.

### **12.3 Land Dedication**

Where dedication of land is identified in this Plan, Council will assess such land and commission a valuation at the development or subdivision stage. The value of the land may be offset against any monetary contribution.

## **13. Estimated Costs**

Clause 27(1) (g) E P & A Regs. 2000

For estimated project cost calculations refer to Apportionment and Estimated Cost Tables in Appendix E.

## **14. Schedule of Facilities**

Clause 27(1) (g) E P & A Regs. 2000

### **14.1 General**

The rate of wear and the standard of pavement required increases with higher traffic volumes. The road pavement will require strengthening and/or sealing where new development generates additional traffic.

Road projects selected fall into three categories:

- (a) Strengthen existing sealed pavement;
- (b) Upgrade to sealed pavement standard; and,
- (c) Provision of traffic devices such as:
  - new road;
  - widening pavement;
  - new bridge;
  - new traffic facility (e.g. traffic lights);
  - upgrade intersection (e.g. roundabout).

### **14.2 Strengthen Existing Sealed Pavement**

A number of sealed roads were designed to cater for traffic volumes below their current level of usage. Shoalhaven City Council has developed a strategy to rehabilitate existing roads showing signs of distress.

This work may involve:

- (a) increasing pavement thickness;
- (b) mechanical or chemical pavement stabilization; and/or
- (c) hot mix overlay.

The pavement is designed and tested to service future traffic volumes and upgraded pavements have the service equivalent of a new road.

### 14.3 Upgrade Pavement to Sealed Standard

Due to increasing traffic volumes a number of roads require upgrading from gravel to sealed standard. The projects have been selected using the following criteria:

- (a) anticipated traffic volumes;
- (b) bus route use ;
- (c) pavement standard;
- (d) dust problems; and
- (e) adjoining and adjacent development.

The upgrading works may include:  
pavement seal;  
additional drainage; and/or  
improved road alignment.

### 15. Timing

Clause 27(1) (g) E P & A Regs. 2000

In some cases it may not be cost-effective to construct a project until the benefit area generates at least 80% of the demand.

Subject to sufficient development, anticipated implementation of projects is as follows:

Project	Anticipated Year
05 ROAD 0001	2010 - 2015
05 ROAD 0003	2005 - 2010
05 ROAD 0007	2010 - 2015
05 ROAD 0008	2005 - 2010
05 ROAD 0010	2005 - 2010
05 ROAD 0013	2010 - 2015
05 ROAD 0020	Existing
05 ROAD 0021	2005 - 2010
05 ROAD 0023	2005 - 2010
05 ROAD 0025	2010 - 2015
05 ROAD 0028	2005 - 2010
05 ROAD 0029	2010 - 2015
05 ROAD 0030	2005 - 2010
05 ROAD 0032	2005 - 2010
05 ROAD 0036	2010 - 2015
05 ROAD 0037	Existing
05 ROAD 0038	Existing
05 ROAD 0039	Existing
05 ROAD 0040	Existing
05 ROAD 0041	Existing
05 ROAD 0043	2010 - 2015
05 ROAD 0045	2010 - 2015
05 ROAD 0047	Existing
05 ROAD 0048	Existing

Project	Anticipated Year
05 ROAD 0057	Existing
05 ROAD 0058	2010 - 2015
05 ROAD 0059	2010 - 2015
05 ROAD 0060	2010 - 2015
05 ROAD 0061	2010 - 2015

### References

Section 94 Environmental Planning & Assessment Act, 1979;

Clauses 26-38 (inclusive) Environmental Planning & Assessment Regulation 2000; and

Shoalhaven City Council Contributions Plan Manual.

Section 94 Contributions Plan 2004 Area 5 Roads and Traffic Control, being this written Statement and accompanying maps, which was exhibited from 23/6/05 to 2/8/05 and was:

Adopted by Council:

and

Became effective from:



R D Pigg  
General Manager

Date: 15 . 6 . 05

### Appendices

- A Deleted Projects
- B Updated and Retained Projects
- C New and Recoupment Projects
- D Proposed Contribution Rates
- E Apportionment and Estimated Cost Tables
- F Benefit Area Maps

**APPENDIX A**  
**DELETED PROJECTS: REASONS FOR DELETION**

<b>Project Number</b>	<b>Description</b>	<b>Reasons</b>
05 ROAD 0002	Ocean Street Link Road	Project no longer required
05 ROAD 0004	Village Dr/ Princes Hwy Int	Project Completed
05 ROAD 0005	Village Drive / North Street Rndbt Ulladulla	Project Completed
05 ROAD 0006	St.Vincent Street	No contributions received
05 ROAD 0009	Mitchell Parade	Project Completed
05 ROAD 0011	Southern Link Road	Project no longer required
05 ROAD 0012	Murrays Road	Benefit Area developed All Contributions collected
05 ROAD 0014	Porters Creek Road (Seal)	Benefit Area developed
05 ROAD 0015	Porters Creek Road (Gravel)	Project Completed Benefit Area developed
05 ROAD 0016	Currowar Road	No contributions received
05 ROAD 0017	Martins Ridge Road	Project Completed
05 ROAD 0018	Egans Farm Lane	Project no longer required
05 ROAD 0019	Lake Conjola Entrance Road	Project Completed
05 ROAD 0022	Cunjurong Point Road	Project Completed
05 ROAD 0024	Little Forest Rd/Princes H'Way	Project no longer required
05 ROAD 0026	Little Forest Road	Project completed
05 ROAD 0027	Cedar Hills Road	Project no longer required
05 ROAD 0031	Slaughterhouse Road	Project Completed
05 ROAD 0033	Ringlands Road	All Contributions collected
05 ROAD 0034	Evans Lane	Project Completed
05 ROAD 0035	Hobbs Lane	Project Completed
05 ROAD 0042	Brooman Road	Project Completed
05 ROAD 0044	The River Road	Project no longer required
05 ROAD 0049	Maisie Williams Drive	Only one developer
05 ROAD 0050	Old Princes Highway	Project no longer required
05 ROAD 0051	Slaughterhouse Road Milton	Project no longer required
05 ROAD 0052	Little Forest Road	See project 05 ROAD 0025
05 ROAD 0053	Princes Highway	Project no longer required
05 ROAD 0054	Balmoral Road	Project no longer required
05 ROAD 0055	Old Princes Hwy Termeil	Project no longer required



**Appendix B**  
**Area 5 Retained and Updated Projects**

<b>PROJECT NUMBER</b>	<b>DESCRIPTION</b>	<b>Council Share</b>	<b>%</b>	<b>S94 Share</b>	<b>%</b>	<b>Estimated Cost</b>
05 ROAD 0001	Bishop Drive (Northern Link Road)	\$6,567,083	66.67%	\$3,283,542	33.33%	\$9,850,625
05 ROAD 0003	Ocean St / Maisie Williams Dr / Ilett St Roundabout	\$54,200	9.91%	\$492,550	90.09%	\$546,750
05 ROAD 0008	St.Vincent St to Hwy and Intersection	\$300,441	22.81%	\$1,016,729	77.19%	\$1,317,170
05 ROAD 0010	Shepherd St/Golf Rd Intersection	\$200,531	92.47%	\$16,329	7.53%	\$216,860
05 ROAD 0013	Bendalong Mountain Road Conjola	\$65,784	80.00%	\$16,446	20.00%	\$82,230
05 ROAD 0021	Woodstock Road Ulladulla	\$174,639	64.32%	\$96,891	35.68%	\$271,530
05 ROAD 0023	Pointer Road Conjola	\$311,198	55.26%	\$251,922	44.74%	\$563,120
05 ROAD 0025	Little Forest Road Little Forest	\$251,358	54.35%	\$211,141	45.65%	\$462,500
05 ROAD 0028	Garrads Lane North of Matron Porter Drive	\$123,678	52.17%	\$113,372	47.83%	\$237,050
05 ROAD 0029	Garrads Lane South of Matron Porter Drive	\$19,168	25.00%	\$57,503	75.00%	\$76,670
05 ROAD 0030	Croobyar Road Milton	\$69,348	55.13%	\$56,452	44.87%	\$125,800
05 ROAD 0032	Croobyar Road Ulladulla Rural	\$133,257	69.17%	\$59,393	30.83%	\$192,650
05 ROAD 0036	Croobyar Road Croobyar	\$125,453	65.38%	\$66,417	34.62%	\$191,870
05 ROAD 0043	The River Road Albert	\$92,448	40.00%	\$138,672	60.00%	\$231,120
05 ROAD 0045	Monkey Mtn Road Termeil	\$73,450	59.57%	\$49,850	40.43%	\$123,300
	<b>Totals =</b>	<b>\$8,562,038</b>	<b>59.09%</b>	<b>\$5,927,207</b>	<b>40.91%</b>	<b>\$14,489,245</b>

## Appendix C Area 5 Recoupment Projects

Project Number	Description	Council Share	Council Spent	Amount to be Recouped
05 ROAD 0020	Bendalong	\$121,672	\$165,739	\$44,067
05 ROAD 0037	Mimosa Park Rd	\$32,335	\$62,051	\$29,716
05 ROAD 0038	Wheelbarrow Rd	\$96,465	\$137,293	\$40,828
05 ROAD 0039	Woodstock Road	\$16,702	\$50,393	\$33,691
05 ROAD 0040	Woodburn Road	\$328,105	\$520,757	\$192,652
05 ROAD 0041	Woodburn Rd	\$36,371	\$64,924	\$28,553
05 ROAD 0047	Murramarang Rd	\$15,754	\$133,435	\$117,681
05 ROAD 0048	Murramarang Rd (Bridge)	\$192,029	\$504,529	\$312,500
05 ROAD 0057	Parsons St	\$0	\$43,386	\$43,386
			<b>Total =</b>	<b>\$799,688</b>

## Area 5 New Projects

Project Number	Description	Council Share	%	S94 Share	%	Estimated Cost
05 ROAD 0007	Kings Point Road Kings Point	\$0	0.00%	\$437,400	100.00%	\$437,400
05 ROAD 0058	Little Forest Road Little Forest	\$46,395	50.00%	\$46,395	50.00%	\$92,790
05 ROAD 0059	Green/Cashman R'bout Ulladulla	\$48,157	26.39%	\$134,333	73.61%	\$182,490
05 ROAD 0060	Gordon Street Milton	\$39,970	59.78%	\$26,889	40.22%	\$66,860
05 ROAD 0061	Matron Porter Drive Milton-Narrawallee	\$1,520,788	76.04%	\$479,212	23.96%	\$2,000,000
	<b>Totals =</b>	<b>\$1,655,311</b>	<b>59.55%</b>	<b>\$1,124,229</b>	<b>40.45%</b>	<b>\$2,779,540</b>

**Appendix D****Contribution Rates for Area 5 Road Projects**

<b>Project Number</b>	<b>Description</b>	<b>Contribution Rate</b>
05 ROAD 0001	Bishop Drive Benefit Area 1	\$3,572.95 per E.T.
05 ROAD 0001	Bishop Drive Benefit Area 2	\$1,190.98 per E.T.
05 ROAD 0001	Bishop Drive Benefit Area 3	\$11,909.84 per E.T.
05 ROAD 0001	Bishop Drive Benefit Area 4	\$8,336.88 per E.T.
05 ROAD 0003	Ocean Street Roundabout Benefit Area 1	\$395.62 per E.T.
05 ROAD 0003	Ocean Street Roundabout Benefit Area 2	\$1,582.49 per E.T.
05 ROAD 0007	Kings Point Road	\$2,187.00 per E.T.
05 ROAD 0008	St.Vincent Street Connector Road	\$7.91 per m2
05 ROAD 0010	Shepherd St/Golf Road Intersection Benefit Area 1	\$114.67 per E.T.
05 ROAD 0010	Shepherd St/Golf Road Intersection Benefit Area 2	\$89.19 per E.T.
05 ROAD 0010	Shepherd St/Golf Road Intersection Benefit Area 3	\$127.41 per E.T.
05 ROAD 0010	Shepherd St/Golf Road Intersection Benefit Area 4	\$38.22 per E.T.
05 ROAD 0013	Bendalong Mountain Road	\$16,446.00 per E.T.
05 ROAD 0020	Bendalong Road + Inyadda Drive	\$95.43 per E.T.
05 ROAD 0021	Woodstock Road Benefit Area 1	\$1,083.30 per E.T.
05 ROAD 0021	Woodstock Road Benefit Area 2	\$433.32 per E.T.
05 ROAD 0021	Woodstock Road Benefit Area 3	\$346.66 per E.T.
05 ROAD 0021	Woodstock Road Benefit Area 4	\$216.66 per E.T.
05 ROAD 0023	Pointer Road Benefit Area 1	\$18,860.48 per E.T.
05 ROAD 0023	Pointer Road Benefit Area 2	\$14,818.95 per E.T.
05 ROAD 0025	Little Forest Road Benefit Area 1	\$8,731.40 per E.T.
05 ROAD 0025	Little Forest Road Benefit Area 2	\$5,027.17 per E.T.
05 ROAD 0028	Garrads Lane North	\$5,153.26 per E.T.
05 ROAD 0029	Garrads Lane South	\$4,791.88 per E.T.
05 ROAD 0030	Croobyar Road Milton Benefit Area 1	\$130.89 per E.T.
05 ROAD 0030	Croobyar Road Milton Benefit Area 2	\$52.36 per E.T.
05 ROAD 0030	Croobyar Road Milton Benefit Area 3	\$41.89 per E.T.
05 ROAD 0030	Croobyar Road Milton Benefit Area 4	\$26.18 per E.T.
05 ROAD 0032	Croobyar Road Ulladulla Rural Benefit Area 1	\$481.77 per E.T.
05 ROAD 0032	Croobyar Road Ulladulla Rural Benefit Area 2	\$192.71 per E.T.
05 ROAD 0032	Croobyar Road Ulladulla Rural Benefit Area 3	\$154.17 per E.T.
05 ROAD 0032	Croobyar Road Ulladulla Rural Benefit Area 4	\$96.35 per E.T.
05 ROAD 0036	Croobyar Road Croobyar	\$7,379.62 per E.T.
05 ROAD 0037	Mimosa Park Road Woodburn	\$3,592.73 per E.T.
05 ROAD 0038	Wheelbarrow Road Benefit Area 1	\$511.23 per E.T.
05 ROAD 0038	Wheelbarrow Road Benefit Area 2	\$187.53 per E.T.
05 ROAD 0038	Wheelbarrow Road Benefit Area 3	\$915.30 per E.T.
05 ROAD 0038	Wheelbarrow Road Benefit Area 4	\$171.90 per E.T.
05 ROAD 0039	Woodstock Road Benefit Area 1	\$317.20 per E.T.
05 ROAD 0039	Woodstock Road Benefit Area 2	\$507.52 per E.T.
05 ROAD 0039	Woodstock Road Benefit Area 3	\$634.40 per E.T.
05 ROAD 0040	Woodburn Rd Wheelbarrow to Clyde Ridge Benefit Area 1	\$2,692.70 per E.T.
05 ROAD 0040	Woodburn Rd Wheelbarrow to Clyde Ridge Benefit Area 2	\$4,308.32 per E.T.
05 ROAD 0040	Woodburn Rd Wheelbarrow to Clyde Ridge Benefit Area 3	\$2,154.16 per E.T.
05 ROAD 0041	Woodburn Rd Clyde Ridge to Monkey Mtn Rd Benefit Area 1	\$625.47 per E.T.
05 ROAD 0041	Woodburn Rd Clyde Ridge to Monkey Mtn Rd Benefit Area 2	\$304.55 per E.T.
05 ROAD 0041	Woodburn Rd Clyde Ridge to Monkey Mtn Rd Benefit Area 3	\$379.87 per E.T.
05 ROAD 0043	The River Road Benefit Area 1	\$2,432.84 per E.T.
05 ROAD 0043	The River Road Benefit Area 2	\$4,865.68 per E.T.

05 ROAD 0045	Monkey Mountain Road Benefit Area 1	\$1,060.65	per E.T.
05 ROAD 0045	Monkey Mountain Road Benefit Area 2	\$2,651.62	per E.T.
05 ROAD 0045	Monkey Mountain Road Benefit Area 3	\$5,303.23	per E.T.
05 ROAD 0047	Murramarang Road Highway to Willinga Lake	\$341.46	per E.T.
05 ROAD 0048	Murramarang Road - Kioloa Bridge	\$905.80	per E.T.
05 ROAD 0057	Parsons Street Benefit Area 1	\$8.30	per m2
05 ROAD 0057	Parsons Street Benefit Area 2	\$7.86	per m2
05 ROAD 0058	Little Forest Road Benefit Area 1	\$1,738.89	per E.T.
05 ROAD 0058	Little Forest Road Benefit Area 2	\$702.95	per E.T.
05 ROAD 0059	Green Street/Cashman Road Roundabout	\$2,534.58	per E.T.
05 ROAD 0060	Gordon Street	\$726.74	per E.T.
05 ROAD 0061	Matron Porter Drive Benefit Area 1	\$3,339.46	per E.T.
05 ROAD 0061	Matron Porter Drive Benefit Area 2	\$1,001.84	per E.T.
05 ROAD 0061	Matron Porter Drive Benefit Area 3	\$333.95	per E.T.
05 ROAD 0061	Matron Porter Drive Benefit Area 4	\$1,335.78	per E.T.

## Appendix E

1. Locality	Mollymook
2. Project Description	Bishop Drive (Northern Link Road)
3. Project No.	05 ROAD 0001
4. Estimated Cost	\$9,850,625
5. Contributions Apportionment Table	CI.26(1)(e) E.P. & A. Regs. 2000

BENEFIT AREA <b>05 ROAD 0001</b>	ESTIMATED EQUIVALENT TENEMENTS (lots / dwellings)				ESTIMATED APPORTIONMENT			CONTRIBUTION RATE per E.T. (lot / dwelling)
	Existing	Infill	Potential	Total	Vehicles per Day	% Traffic Generation	Cost to Benefit Area	
1	1,082	1	258	1,341	4,023	48.64%	\$4,791,326.85	<b>\$3,572.95</b>
2	809	0	33	842	842	10.18%	\$1,002,808.15	<b>\$1,190.98</b>
3	99	0	152	251	2,510	30.35%	\$2,989,368.73	<b>\$11,909.84</b>
4	67	0	61	128	896	10.83%	\$1,067,121.27	<b>\$8,336.88</b>
Assumed Through Traffic					0	0.00%	\$0.00	
					8,271	100.00%	\$9,850,625	

Note: Traffic Authority of NSW Guidelines 10 vehicle trips/day/dwlg

Benefit Area 1 =	3	vehicles/day per dwelling (i.e. per E.T.)	30.00%	Veh. Trips use Bishop Drive
Benefit Area 2 =	1	vehicles/day per dwelling (i.e. per E.T.)	10.00%	Veh. Trips use Bishop Drive
Benefit Area 3 =	10	vehicles/day per dwelling (i.e. per E.T.)	100.00%	Veh. Trips use Bishop Drive
Benefit Area 4 =	7	vehicles/day per dwelling (i.e. per E.T.)	70.00%	Veh. Trips use Bishop Drive

**05 ROAD 0001 Estimated Cost: Bishop Drive (Northern Link Road)**

Cl.27(1)(g) E.P. &amp; A.Reg.2000

	Length	Width	Quantity	Rate		Total
Investigation / Design			1 item x	\$100,000	=	\$100,000
Clearing / Fencing / Mobilise			1 item x	\$150,000	=	\$150,000
Road Construction	2 x 3.5m Lanes / 2 x 2.5m Shoulders		1.13 km x	\$1,250,000	=	\$1,412,500
Roundabout: Matron Porter Drive			1 item x	\$1,000,000	=	\$1,000,000
Roundabout: Princes Highway	(50% RTA Funded)		1 item x	\$500,000	=	\$500,000
Lighting			1 item x	\$300,000	=	\$300,000
Services			1 item x	\$200,000	=	\$200,000
Large Culvert / Crossing Approaches			1 item x	\$300,000	=	\$300,000
Linemarking / Signposting			1 item x	\$75,000	=	\$75,000
				Sub-Total	=	\$4,037,500
Project Management			5.0% x	\$4,037,500	=	\$201,875
Contingencies			30.0% x	\$4,037,500	=	\$1,211,250
Estimated Land Costs			1 item x	\$4,400,000	=	\$4,400,000
				<b>Estimated Project Cost</b>	=	<b>\$9,850,625</b>

1. Locality	Mollymook
2. Project Description	Ocean St / Maisie Williams Dr / Ilett St Roundabout
3. Project No.	<b>05 ROAD 0003</b>
4. Estimated Cost	\$546,750
5. Contributions Apportionment Table	Cl.26(1)(e) E.P. & A. Regs. 2000

BENEFIT AREA <b>05 ROAD 0003</b>	ESTIMATED EQUIVALENT TENEMENTS (lots / dwellings)				ESTIMATED APPORTIONMENT			CONTRIBUTION RATE per E.T. (lot / dwelling)
	Existing	Infill	Potential	Total	Vehicles per Day	% Traffic Generation	Cost to Benefit Area	
1	65	0	57	122	244	8.83%	\$48,265.92	<b>\$395.62</b>
2	11	84	213	308	2,464	89.15%	\$487,406.66	<b>\$1,582.49</b>
Assumed Golf Club Through Traffic					56	2.03%	\$11,077.42	
					2,764	100.00%	\$546,750	

Note: Traffic Authority of NSW Guidelines 10 vehicle trips/day/dwlg

Benefit Area 1 =	2 vehicles/day per dwelling (i.e. per E.T.)	20.00%	Veh. Trips use Bishop Drive
Benefit Area 2 =	8 vehicles/day per dwelling (i.e. per E.T.)	80.00%	Veh. Trips use Bishop Drive

**05 ROAD 0003 Estimated Cost: Ocean St / Maisie Williams Dr / Ilett St Roundabout**

Cl.27(1)(g) E.P. &amp; A.Reg.2000

	Length	Width	Quantity	Rate	Total
Road widening Ilett Street to min 12.8m kerb to kerb			1 item x	\$200,000 =	\$200,000
Roundabout: Ocean St + Maisie Williams Dr + Ilett St			1 item x	\$180,000 =	\$180,000
Ramped Threshold east of proposed roundabout			1 item x	\$40,000 =	\$40,000
Maisie Williams Drive [Ocean St to Settlers Way]	150 m x	6.1	915 m2 x	\$32.78 =	\$30,000
				Sub-Total =	\$450,000
Design			3.0% x	\$450,000 =	\$13,500
Supervision			3.0% x	\$450,000 =	\$13,500
Administration and On-costs			15.5% x	\$450,000 =	\$69,750
				<b>Estimated Project Cost =</b>	<b>\$546,750</b>



1. Locality	Kings Point
2. Project Description	Kings Point Road
3. Project No.	<b>05 ROAD 0007 NEW PROJECT</b>
4. Estimated Cost	\$437,400
5. Contributions Apportionment Table	Cl.26(1)(e) E.P. & A. Regs. 2000

BENEFIT AREA <b>05 ROAD 0007 NEW PROJECT</b>	ESTIMATED EQUIVALENT TENEMENTS (lots / dwellings)				ESTIMATED APPORTIONMENT			CONTRIBUTION RATE per E.T. (lot / dwelling)
	Existing	Infill	Potential	Total	Vehicles per Day	% Traffic Generation	Cost to Benefit Area	
1	323	0	200	523	5,230	100.00%	\$437,400.00	<b>\$2,187.00</b>
Assumed Through Traffic				Nil	0	0.00%	\$0.00	
					5,230	100.00%	\$437,400	

Note: Traffic Authority of NSW Guidelines 10 vehicle trips/day/dwlg

**05 ROAD 0007 Estimated Cost: Kings Point Road**

Cl.27(1)(g) E.P. & A.Reg.2000

Upgrade and Seal	Length	Width	Quantity	Rate	Total
Pavement	2,000 m x	6	12,000 m2 x	\$30.00 =	\$360,000
Design			3.0% x	\$360,000 =	\$10,800
Supervision			3.0% x	\$360,000 =	\$10,800
Administration and On-costs			15.5% x	\$360,000 =	\$55,800
<b>Estimated Project Cost</b>					<b>= \$437,400</b>

1. Locality	Ulladulla
2. Project Description	Connector Road St. Vincent Street to Highway and Roundabout
3. Project No.	<b>05 ROAD 0008</b>
4. Estimated Cost	\$1,317,170
5. Contributions Apportionment Table	CI.26(1)(e) E.P. & A. Regs. 2000

BENEFIT AREA <b>05 ROAD 0008</b>	ESTIMATED SQUARE METRES				ESTIMATED APPORTIONMENT			CONTRIBUTION RATE per SQUARE METRE (m2)
	Existing	Infill	Potential	Total	Vehicles per Day	% Traffic Generation	Cost to Benefit Area	
1	21,318	0	128,462	149,780	N/A	90.00%	\$1,185,453.00	<b>\$7.91</b>
Assumed Through Traffic				Nil	N/A	10.00%	\$131,717.00	
					N/A	100.00%	\$1,317,170	

**05 ROAD 0008 Estimated Cost:: St. Vincent Street to Highway and Roundabout**

Cl.27(1)(g) E.P.& A.Regs.2000

	Length	Width	Quantity		Rate		Total
Highway Roundabout			1	item x	\$330,290	=	\$330,290
Highway Roundabout	Drainage		1	item x	\$18,350	=	\$18,350
Highway Roundabout	Adjustment of Services and Driveways		1	item x	\$18,350	=	\$18,350
St. Vincent St Extension	200 m	x	13	2,600 m <sup>2</sup> x	\$55.05	=	\$143,130
St. Vincent St Extension	Kerb and Gutter		400	m x	\$183.49	=	\$73,390
Connector Road	440 m	x	14	6,160 m <sup>2</sup> x	\$55.05	=	\$339,110
Connector Road	Kerb and Gutter		880	m x	\$183.49	=	\$161,470
					Sub-Total	=	\$1,084,090
Design			3.0%	x	\$1,084,090	=	\$32,525
Supervision			3.0%	x	\$1,084,090	=	\$32,525
Administration and On-costs			15.5%	x	\$1,084,090	=	\$168,030
					<b>Estimated Project Cost</b>	<b>=</b>	<b>\$1,317,170</b>

1. Locality	Mollymook
2. Project Description	Shepherd Street and Golf Road Intersection
3. Project No.	<b>05 ROAD 0010</b>
4. Estimated Cost	\$216,860
5. Contributions Apportionment Table	CI.26(1)(e) E.P. & A. Regs. 2000

BENEFIT AREA <b>05 ROAD 0010</b>	ESTIMATED EQUIVALENT TENEMENTS (lots / dwellings)				ESTIMATED APPORTIONMENT			CONTRIBUTION RATE per E.T. (lot / dwelling)
	Existing	Infill	Potential	Total	Vehicles per Day	% Traffic Generation	Cost to Benefit Area	
1	579	5	40	624	5,614	32.99%	\$71,531.54	<b>\$114.67</b>
2	809	45	0	854	5,978	35.12%	\$76,166.78	<b>\$89.19</b>
3	136	0	49	185	1,847	10.85%	\$23,535.51	<b>\$127.41</b>
4	33	8	18	59	177	1.04%	\$2,255.19	<b>\$38.22</b>
Assumed Through Traffic					3,404	20.00%	\$43,370.98	
					17,020	100.00%	\$216,860	

Note: Traffic Authority of NSW Guidelines 10 vehicle trips/day/dwlg

		vehicles/day per dwelling
Benefit Area 1 =	9	(i.e. per E.T.)
Benefit Area 2 =	7	vehicles/day per dwelling (i.e. per E.T.)
Benefit Area 3 =	10	vehicles/day per dwelling (i.e. per E.T.)
Benefit Area 4 =	3	vehicles/day per dwelling (i.e. per E.T.)

**05 ROAD 0010 Estimated Cost: Shepherd St and Golf Rd Intersection**Cl.27(1)(g) E.P.&  
A.Reg.2000

	Length	Width	Quantity		Rate	Total
Widen 1.6m K&G on South side and remove old Kerb - Reconstruct New Kerb			280	m x	\$100 =	\$28,000
Reconstruct Pavement South side and between	280	x 5.1	1,428	m2 x	\$37 =	\$52,580
Ingold Street and Ocean Street	80	x 13	1,040	m2 x	\$37 =	\$38,290
Hotmix	2,468	0.05	296.2	ton x	\$100 =	\$29,620
Upgrade Intersection			1	item x	\$30,000 =	\$30,000
					Sub-Total =	\$178,490
Design			3.0%	x	\$178,490 =	\$5,355
Supervision			3.0%	x	\$178,490 =	\$5,355
Administration and On-costs			15.5%	x	\$178,490 =	\$27,660
					<b>Estimated Project Cost =</b>	<b>\$216,860</b>

1. Locality	Conjola
2. Project Description	Bendalong Mountain Road
3. Project No.	<b>05 ROAD 0013</b>
4. Estimated Cost	\$82,230
5. Contributions Apportionment Table	Cl.26(1)(e) E.P.& A. Regs. 2000

BENEFIT AREA <b>05 ROAD 0013</b>	ESTIMATED EQUIVALENT TENEMENTS (lots / dwellings)				ESTIMATED APPORTIONMENT			CONTRIBUTION RATE per E.T. (lot / dwelling)
	Existing	Infill	Potential	Total	Vehicles per Day	% Traffic Generation	Cost to Benefit Area	
1	4	0	1	5	50	100.00%	\$82,230.00	<b>\$16,446.00</b>
Assumed Through Traffic				Nil	0	0.00%	\$0.00	
					50	100.00%	\$82,230	

Note: Traffic Authority of NSW Guidelines 10 vehicle trips/day/dwlg

Benefit Area 1 = 10 vehicles/day per dwelling (i.e. per E.T.)

**05 ROAD 0013 Estimated Cost: Bendalong Mountain Road**

Cl.27(1)(g) E.P.&  
A.Reg.2000

Upgrade Pavement	Length	Width	Quantity	Rate	Total
Seal Treatment	600 m x	6	3,600 m2 x	\$18.80 =	\$67,680
Design			3.0% x	\$67,680 =	\$2,030
Supervision			3.0% x	\$67,680 =	\$2,030
Administration and On- costs			15.5% x	\$67,680 =	\$10,490
<b>Estimated Project Cost</b>				<b>=</b>	<b>\$82,230</b>

1. Locality	Bendalong
2. Project Description	Bendalong Road + Inyadda Drive Bendalong
3. Project No.	<b>05 ROAD 0020 RECOUPMENT PROJECT</b>
4. Cost	\$275,980
5. Contributions Apportionment Table	Cl.26(1)(e) E.P. & A. Regs. 2000

BENEFIT AREA <b>05 ROAD 0020</b> RECOUPMENT PROJECT	ESTIMATED EQUIVALENT TENEMENTS (lots / dwellings)				ESTIMATED APPORTIONMENT			CONTRIBUTION RATE per E.T. (lot / dwelling)
	Existing	Infill	Potential	Total	Vehicles per Day	% Traffic Generation	Cost to Benefit Area	
1	1,275	772	845	2,892	28,920	100.00%	\$275,980.00	<b>\$95.43</b>
Assumed Through Traffic				Nil	0	0.00%	\$0.00	
					28,920	100.00%	\$275,980	

Note: Traffic Authority of NSW Guidelines 10 vehicle trips/day/dwlg

vehicles/day per dwelling

Benefit Area 1 = 10 (i.e. per E.T.)

**05 ROAD 0020 Cost: Bendalong Rd + Inyadda Dr, Bendalong**

Cl.27(1)(g) E.P. &  
A.Reg.2000

Strengthen 8.3km and Widen to 8m

	Length	Width	Quantity	Rate	Total
Bendalong Road	8,300	lm x	8 66,400 m2 x	\$2.74 =	\$181,870
Guardrails and Safety Measures			1 item x	\$18,980 =	\$18,980
Inyadda Drive	1,200	lm x	8 9,600 m2 x	\$2.74 =	\$26,290
				Sub-Total =	\$227,140
Design			3.0% x	\$227,140 =	\$6,815
Supervision			3.0% x	\$227,140 =	\$6,815
Administration and On-costs			15.5% x	\$227,140 =	\$35,210
			<b>Project Cost</b>	=	<b>\$275,980</b>

1. Locality	Ulladulla
2. Project Description	Woodstock Road
3. Project No.	<b>05 ROAD 0021</b>
4. Estimated Cost	\$271,530
5. Contributions Apportionment Table	Cl.26(1)(e) E.P. & A. Regs. 2000

BENEFIT AREA <b>05 ROAD 0021</b>	ESTIMATED EQUIVALENT TENEMENTS (lots / dwellings)				ESTIMATED APPORTIONMENT			CONTRIBUTION RATE per E.T. (lot / dwelling)
	Existing	Infill	Potential	Total	Vehicles per Day	% Traffic Generation	Cost to Benefit Area	
1	83	38	19	140	1,400	55.85%	\$151,662	<b>\$1,083.30</b>
2	53	26	23	102	408	16.28%	\$44,199	<b>\$433.32</b>
3	9	4	3	16	51	2.04%	\$5,547	<b>\$346.66</b>
4	20	21	32	73	146	5.82%	\$15,816	<b>\$216.66</b>
Assumed Through Traffic					501	20.00%	\$54,306	
					2,507	100.00%	\$271,530	

Note 1: Traffic Authority of NSW  
Guidelines 10 vehicle trips/day/dwlg

Note 2: Assume 40% of all traffic approaching Woodstock/Wheelbarrow Road intersection from the south will use Woodstock Road.

Benefit Area 1 = 100% will use Woodstock Road

Benefit Area 2 = 40% will use Woodstock Road

Benefit Area 3 = 32% will use Woodstock Road

Benefit Area 4 = 20% will use Woodstock Road



<b>05 ROAD 0021 Estimated Cost: Woodstock Road</b>								<b>Cl.27(1)(g) E.P. &amp; A.Reg.2000</b>	
	Length		Width	Quantity		Rate		Total	
Strengthen and Widen	2,200	m x	2.6	5,720	m2	x	\$18.53	=	\$105,990
Rehabilitate and Stabilise	1,350	m x	6	8,100	m2	x	\$5.56	=	\$45,040
Pavement Seal full width	2,200	m x	7.4	16,280	m2	x	\$4.45	=	\$72,450
							Sub Total	=	\$223,480
Design				3.0%		x	\$223,480	=	\$6,705
Supervision				3.0%		x	\$223,480	=	\$6,705
Administration and On-costs				15.5%		x	\$223,480	=	\$34,640
							<b>Estimated Project Cost</b>	<b>=</b>	<b>\$271,530</b>

- 1. Locality Yatte  
Yattah
- 2. Project Description Pointer Road
- 3. Project No. **05 ROAD 0023**
- 4. Estimated Cost \$563,120

Cl.27(1)(e) E P + A  
Regs.2000

5. Contributions Apportionment Table

BENEFIT AREA <b>05 ROAD 0023</b>	ESTIMATED EQUIVALENT TENEMENTS / dwellings) (lots				ESTIMATED APPORTIONMENT			CONTRIBUTION RATE E.T. per (lot / dwelling)
	Existing	Infill	Potential	Total	Vehicles per Day	% Traffic Generation	Cost to Benefit Area	
1 Rural Residential Lifestyle Area	3	0	11	14	140	36.84%	\$207,465	<b>\$18,860.48</b>
2 Rural Area	18	3	3	24	240	63.16%	\$355,655	<b>\$14,818.95</b>
Assumed Through Traffic				Nil	0	0.00%	\$0	
					380	100.00%	\$563,120	

Note: For traffic generation, use the Traffic Authority of NSW Guidelines

10 vehicles/day per dwelling (i.e. per E.T.)

**05 ROAD 0023 Estimated Cost: Pointer Road**

Cl.27(1)(g) E P + A  
Regs.2000

	Length		Width		Quantity		Rate		Total	
Pavement Construction	2,750	m	X	4.8	13,200	m2	X	\$33.00	=	\$435,600
Drainage + Erosion Control					1	item	X	\$27,870	=	\$27,870
								<b>Sub Total</b>	=	<b>\$463,470</b>
Design					3.0%		X	\$463,470	=	\$13,905
Supervision					3.0%		X	\$463,470	=	\$13,905
Administration and On-costs					15.5%		X	\$463,470	=	\$71,840
								<b>Estimated Project Cost</b>	=	<b>\$563,120</b>

- |                        |                     |
|------------------------|---------------------|
| 1. Locality            | Little Forest       |
| 2. Project Description | Little Forest Road  |
| 3. Project No.         | <b>05 ROAD 0025</b> |
| 4. Estimated Cost      | <b>\$462,500</b>    |

CI.27(1)(e) E P + A  
Regs.2000

5. Contributions Apportionment Table

BENEFIT AREA <b>05 ROAD 0025</b>	ESTIMATED EQUIVALENT TENEMENTS (lots / dwellings)				ESTIMATED APPORTIONMENT			CONTRIBUTION RATE E.T. per (lot / dwelling)
	Existing	Infill	Potential	Total	Vehicles per Day	% Traffic Generation	Cost to Benefit Area	
1 Rural Residential Lifestyle Area	14	0	19	33	330	35.87%	\$165,897	<b>\$8,731.40</b>
2 Rural Area	43	7	9	59	590	64.13%	\$296,603	<b>\$5,027.17</b>
Assumed Through Traffic				Nil	0	0.00%	\$0	\$0.00
					920	100.00%	\$462,500	

Note: For traffic generation, use the Traffic Authority of NSW Guidelines  
vehicles/day per dwelling (i.e. per 10 E.T.)

**05 ROAD 0025 Estimated Cost: Little Forest Road**

Cl.27(1)(g) E P +  
A Regs.2000

	Length		Width	Quantity		Rate		Total
Pavement Construction	2,300	lm	X	4.8	11,040	m2	X	\$32.64 = \$360,350
Drainage + Erosion Control					1	item	X	\$20,310 = \$20,310
						<b>Sub Total</b>	<b>=</b>	<b>\$380,660</b>
Design					3.0%	X		\$380,660 = \$11,420
Supervision					3.0%	X		\$380,660 = \$11,420
Administration and On-costs					15.5%	X		\$380,660 = \$59,000
						<b>Estimated Project Cost</b>	<b>=</b>	<b>\$462,500</b>

- 1. Locality **Milton**
- 2. Project Description **Garrads Lane (Northern end)**
- 3. Project No. **05 ROAD 0028**
- 4. Estimated Cost **\$237,050**

Cl.26(1)(e) E.P. & A. Regs.  
2000

5. Contributions Apportionment Table

BENEFIT AREA <b>05 ROAD 0028</b>	ESTIMATED EQUIVALENT TENEMENTS (lots / dwellings)				ESTIMATED APPORTIONMENT			CONTRIBUTION RATE E.T. per (lot / dwelling)
	Existing	Infill	Potential	Total	Vehicles per Day	% Traffic Generation	Cost to Benefit Area	
1	24	15	7	46	460	100.00%	\$237,050	<b>\$5,153.26</b>
Assumed Through Traffic					0	0.00%	\$0	
					460	100.00%	\$237,050	

Note: For traffic generation, use the Traffic Authority of NSW Guidelines  
vehicles/day per dwelling (i.e. per  
10 E.T.)

**05 ROAD 0028 Estimated Cost: Garrads Lane (Northern end)**

Cl.27(1)(g) E.P.&  
A.Reg.2000

	Length		Width	Quantity		Rate		Total
	m			m2				
Strengthen and Widen	1,200	X	6.1	7,320	X	\$24.06	=	\$176,120
Upgrade Culverts	allow	X	1	item	X	\$18,980	=	\$18,980
						<b>Sub Total</b>	<b>=</b>	<b>\$195,100</b>
Design				3.0%	X	\$195,100	=	\$5,855
Supervision				3.0%	X	\$195,100	=	\$5,855
Administration and On-costs				15.5%	X	\$195,100	=	\$30,240
						<b>Estimated Project Cost</b>	<b>=</b>	<b>\$237,050</b>

1. Locality Milton  
 2. Project Description Garrards Lane (Southern end)  
 3. Project No. **05 ROAD 0029**  
 4. Estimated Cost \$76,670

Cl.26(1)(e) E.P. & A. Regs. 2000

5. Contributions Apportionment Table

BENEFIT AREA <b>05 ROAD 0029</b>	ESTIMATED EQUIVALENT TENEMENTS (lots / dwellings)				ESTIMATED APPORTIONMENT			CONTRIBUTION RATE E.T. per (lot / dwelling)
	Existing	Infill	Potential	Total	Vehicles per Day	% Traffic Generation	Cost to Benefit Area	
1	4	1	11	16	160	100.00%	\$76,670	<b>\$4,791.88</b>
Assumed Through Traffic					0	0.00%	\$0	
					160	100.00%	\$76,670	

Note: For traffic generation, use the Traffic Authority of NSW Guidelines vehicles/day per dwelling (i.e. per 10 E.T.)

**05 ROAD 0029 Estimated Cost: Garrards Lane (Southern end)**

Cl.27(1)(g) E.P. & A.Reg.2000

	Length	Width	Quantity	Rate	Total
	m		m2		
Strengthen and Widen	430 X	6.1	2,623 X	\$24.06 =	\$63,110
Design			3.0% X	\$63,110 =	\$1,890
Supervision			3.0% X	\$63,110 =	\$1,890
Administration and On-costs			15.5% X	\$63,110 =	\$9,780
<b>Estimated Project Cost</b>				<b>=</b>	<b>\$76,670</b>



1. Locality Milton  
 2. Project Description Croobyar Road  
 3. Project No. **05 ROAD 0030**  
 4. Estimated Cost \$125,800

Cl.26(1)(e) E.P. & A. Regs.  
2000

5. Contributions Apportionment Table

BENEFIT AREA <b>05 ROAD 0030</b>	ESTIMATED EQUIVALENT TENEMENTS (lots / dwellings)				ESTIMATED APPORTIONMENT			CONTRIBUTION RATE E.T. per (lot / dwelling)
	Existing	Infill	Potential	Total	Vehicles per Day	% Traffic Generation	Cost to Benefit Area	
1	310	61	338	709	7,090	73.77%	\$92,804	<b>\$130.89</b>
2	51	25	22	98	392	4.08%	\$5,131	<b>\$52.36</b>
3	10	6	3	19	61	0.63%	\$796	<b>\$41.89</b>
4	20	21	32	73	146	1.52%	\$1,911	<b>\$26.18</b>
Assumed Through Traffic					1,922	20.00%	\$25,158	
					9,611	100.00%	\$125,800	

Note 1: For traffic generation, use the Traffic Authority of NSW Guidelines vehicles/day per dwelling (i.e. per 10 E.T.)

Note 2: Assume 40% of all traffic approaching Woodstock/Wheelbarrow Road intersection from the south will use Woodstock Road.

Benefit Area 1 = 100% will use Woodstock Road  
 Benefit Area 2 = 40% will use Woodstock Road  
 Benefit Area 3 = 32% will use Woodstock Road  
 Benefit Area 4 = 20% will use Woodstock Road

**05 ROAD 0030 Estimated Cost: Croobyar Road**

Cl.27(1)(g) E.P.&  
A.Reg.s.2000

	Length		Width	Quantity		Rate		Total
Strengthen and Widen	1,400	m	X	3	4,200	m2	X	\$20.95 = \$87,990
Area of Seal	1,400	m	X	2.5	3,500	m2	X	\$4.44 = \$15,540
						<b>Sub Total</b>	<b>=</b>	<b>\$103,530</b>
Design				3.0%		X		\$103,530 = \$3,110
Supervision				3.0%		X		\$103,530 = \$3,110
Administration and On-costs				15.5%		X		\$103,530 = \$16,050
						<b>Estimated Project Cost</b>	<b>=</b>	<b>\$125,800</b>

1. Locality	Ulladulla Rural
2. Project Description	Croobyar Road
3. Project No.	<b>05 ROAD 0032</b>
4. Estimated Cost	\$192,650

Cl.26(1)(e) E.P. & A. Regs.  
2000

5. Contributions Apportionment Table

BENEFIT AREA <b>05 ROAD 0032</b>	ESTIMATED EQUIVALENT TENEMENTS (lots / dwellings)				ESTIMATED APPORTIONMENT			CONTRIBUTION RATE E.T. per (lot / dwelling)
	Existing	Infill	Potential	Total	Vehicles per Day	% Traffic Generation	Cost to Benefit Area	
1	169	60	31	260	2,600	65.02%	\$125,260	<b>\$481.77</b>
2	51	25	22	98	392	9.80%	\$18,885	<b>\$192.71</b>
3	10	6	3	19	61	1.52%	\$2,929	<b>\$154.17</b>
4	20	21	32	73	146	3.65%	\$7,034	<b>\$96.35</b>
Assumed Through Traffic					800	20.01%	\$38,542	
					<b>3,999</b>	<b>100.00%</b>	<b>\$192,650</b>	

Note 1: For traffic generation, use the Traffic Authority of NSW Guidelines  
vehicles/day per dwelling (i.e. per  
10 E.T.)

Note 2: Assume 40% of all traffic approaching Woodstock/Wheelbarrow Road intersection from the south will use Woodstock Road and Croobyar Road.

- Benefit Area 1 = 100% will use Woodstock Road
- Benefit Area 2 = 40% will use Woodstock Road
- Benefit Area 3 = 32% will use Woodstock Road
- Benefit Area 4 = 20% will use Woodstock Road

**05 ROAD 0032 Estimated Cost: Croobyar Road**

Cl.27(1)(g) E.P.&  
A.Reg.2000

	Length			Width	Quantity			Rate		Total
Upgrade & Sea fr Corks Ln	130	m	X	6.1	793	m2	X	\$36.82	=	\$29,200
Box Culvert	2,100	mm	X	1,200	2	item	X	\$28,360	=	\$56,720
Pavement	600	m	X	3	1,800	m2	X	\$20.96	=	\$37,730
Seal	600	m	X	2	1,200	m2	X	\$4.44	=	\$5,330
Strengthen Exist Pvmnt	500	m	X	6	3,000	m2	X	\$9.86	=	\$29,580
								<b>Sub Total</b>	<b>=</b>	<b>\$158,560</b>
Design					3.0%		X	\$158,560	=	\$4,755
Supervision					3.0%		X	\$158,560	=	\$4,755
Administration and On-costs					15.5%		X	\$158,560	=	\$24,580
								<b>Estimated Project Cost</b>	<b>=</b>	<b>\$192,650</b>

1. Locality	Croobyar
2. Project Description	Croobyar Road
3. Project No.	<b>05 ROAD 0036</b>
4. Estimated Cost	\$191,870

Cl.26(1)(e) E.P. & A. Regs. 2000

5. Contributions Apportionment Table

BENEFIT AREA <b>05 ROAD 0036</b>	ESTIMATED EQUIVALENT TENEMENTS (lots / dwellings)				ESTIMATED APPORTIONMENT			CONTRIBUTION RATE E.T. per (lot / dwelling)
	Existing	Infill	Potential	Total	Vehicles per Day	% Traffic Generation	Cost to Benefit Area	
1	17	5	4	26	260	100.00%	\$191,870	<b>\$7,379.62</b>
Assumed Through Traffic					0	0.00%	\$0	
					260	100.00%	\$191,870	

Note: For traffic generation, use the Traffic Authority of NSW Guidelines  
vehicles/day per dwelling (i.e. per 10 E.T.)

**05 ROAD 0036 Estimated Cost: Croobyar Road**

Cl.27(1)(g) E.P. & A.Reg.2000

	Length	Width	Quantity	Rate	Total
Seal Treatment	1,400 m X	6	8,400 m2 X	\$18.80 =	\$157,920
Design			3.0% X	\$157,920 =	\$4,735
Supervision			3.0% X	\$157,920 =	\$4,735
Administration and On-costs			15.5% X	\$157,920 =	\$24,480
			<b>Estimated Project Cost</b>	<b>=</b>	<b>\$191,870</b>

1. Locality	Woodburn (Rural)
2. Project Description	Mimosa Park Road
3. Project No.	<b>05 ROAD 0037 RECOUPMENT PROJECT</b>
4. Cost	\$79,040

5. Contributions Apportionment Table

Cl.26(1)(e) E.P. & A. Regs. 2000

BENEFIT AREA <b>05 ROAD 0037</b> RECOUPMENT PROJECT	ESTIMATED EQUIVALENT TENEMENTS (lots / dwellings)				ESTIMATED APPORTIONMENT			CONTRIBUTION RATE E.T. per (lot / dwelling)
	Existing	Infill	Potential	Total	Vehicles per Day	% Traffic Generation	Cost to Benefit Area	
1	9	4	9	22	220	100.00%	\$79,040.00	<b>\$3,592.73</b>
Assumed Through Traffic				Nil	0	0.00%	\$0.00	
					220	100.00%	\$79,040	

Note: Traffic Authority of NSW Guidelines 10 vehicle trips/day/dwlg

vehicles/day per dwelling (i.e. per

Benefit Area 1 = 10 E.T.)

**05 ROAD 0037 Mimosa Park Road**

Cl.27(1)(g) E.P. &  
A.Reg.2000

	Length	Width	Quantity	Rate	Total
Upgrade Pavement	2,750 lm X	6	16,500 m2 X	\$3.95 =	\$65,050
Design			3.0% X	\$65,050 =	\$1,955
Supervision			3.0% X	\$65,050 =	\$1,955
Administration and On-costs			15.5% X	\$65,050 =	\$10,080
			<b>Project Cost</b>	<b>=</b>	<b>\$79,040</b>

1. Locality	Woodburn (Rural)
2. Project Description	Wheelbarrow Road
3. Project No.	<b>05 ROAD 0038 RECOUPMENT PROJECT</b>
4. Cost	\$169,895

5. Contributions Apportionment Table

Cl.26(1)(e) E.P. & A. Regs. 2000

BENEFIT AREA <b>05 ROAD 0038</b> RECOUPMENT PROJECT	ESTIMATED EQUIVALENT TENEMENTS (lots / dwellings)				ESTIMATED APPORTIONMENT			CONTRIBUTION RATE E.T. per (lot / dwelling)
	Existing	Infill	Potential	Total	Vehicles per Day	% Traffic Generation	Cost to Benefit Area	
1	20	21	32	73	167	21.97%	\$37,320	<b>\$511.23</b>
2	9	4	3	16	13	1.77%	\$3,000	<b>\$187.53</b>
3	53	26	23	102	418	54.95%	\$93,361	<b>\$915.30</b>
4	12	1	0	13	10	1.32%	\$2,235	<b>\$171.90</b>
Assumed Through Traffic					152	20.00%	\$33,979	
					761	100.00%	\$169,895	

Note: Traffic Authority of NSW Guidelines 10 vehicle trips/day/dwlg

will use Wheelbarrow

Benefit Area 1 = 22.9% Road

Benefit Area 2 = 8.4% will use Wheelbarrow Road

Benefit Area 3 = 41.0% will use Wheelbarrow Road

Benefit Area 4 = 7.7% will use Wheelbarrow Road

**05 ROAD 0038 Wheelbarrow Road**

Cl.27(1)(g) E.P.&  
A.Regs.2000

	Length	Width	Quantity	Rate	Total
Upgrade Pavement	6,250 lm X	6	37,500 m2 X	\$3.73 =	\$139,825
Design			3.0% X	\$139,825 =	\$4,200
Supervision			3.0% X	\$139,825 =	\$4,200
Administration and On-costs			15.5% X	\$139,825 =	\$21,670
			<b>Project Cost</b>	<b>=</b>	<b>\$169,895</b>



1. Locality **Woodburn (Rural)**

2. Project Description **Woodstock Road Upgrade and Seal Pavement 1,200m x 6.1m North of Wheelbarrow Rd**

3. Project No. **05 ROAD 0039 RECOUPMENT PROJECT**

4. Cost **\$119,980**

5. Contributions Apportionment Table

Cl.26(1)(e) E.P. & A. Regs. 2000

BENEFIT AREA <b>05 ROAD 0039</b> RECOUPMENT PROJECT	ESTIMATED EQUIVALENT TENEMENTS (lots / dwellings)				ESTIMATED APPORTIONMENT			CONTRIBUTION RATE E.T. per (lot / dwelling)
	Existing	Infill	Potential	Total	Vehicles per Day	% Traffic Generation	Cost to Benefit Area	
1	20	21	32	73	146	19.30%	\$23,155	<b>\$317.20</b>
2	9	4	3	16	51	6.77%	\$8,120	<b>\$507.52</b>
3	53	26	23	102	408	53.93%	\$64,708	<b>\$634.40</b>
Assumed Through Traffic					151	20.00%	\$23,996	
					<b>757</b>	<b>100.00%</b>	<b>\$119,980</b>	

Note: Traffic Authority of NSW Guidelines 10 vehicle trips/day/dwlg

Note: Assume 40% of all traffic approaching the intersection of Woodstock Road and Wheelbarrow Road from the south will use this road.

Benefit Area 1 = 20.0% will use Woodstck Road

Benefit Area 2 = 32.0% will use Woodstck Road

Benefit Area 3 = 40.0% will use Woodstck Road

**05 ROAD 0039 Woodstock Road**

Cl.27(1)(g) E.P.&  
A.Reg.s.2000

	Length	Width	Quantity	Rate	Total
Upgrade Pavement	1,200 lm X	6.1	7,320 m2 X	\$13.49 =	\$98,750
Design			3.0% X	\$98,750 =	\$2,960
Supervision			3.0% X	\$98,750 =	\$2,960
Administration and On-costs			15.5% X	\$98,750 =	\$15,310
			<b>Project Cost</b>	<b>=</b>	<b>\$119,980</b>

1. Locality	Woodburn (Rural)
2. Project Description	Woodburn Road Wheelbarrow Rd to Clyde Ridge Rd
3. Project No.	<b>05 ROAD 0040 RECOUPMENT PROJECT</b>
4. Cost	\$606,530

Cl.26(1)(e) E.P. & A. Regs.  
2000

5. Contributions Apportionment Table

BENEFIT AREA <b>05 ROAD 0040 RECOUPMENT PROJECT</b>	ESTIMATED EQUIVALENT TENEMENTS (lots / dwellings)				ESTIMATED APPORTIONMENT			CONTRIBUTION RATE per E.T. (lot / dwelling)
	Existing	Infill	Potential	Total	Vehicles per Day	% Traffic Generation	Cost to Benefit Area	
1	20	21	32	73	365	32.41%	\$196,567	<b>\$2,692.70</b>
2	9	4	3	16	128	11.37%	\$68,933	<b>\$4,308.32</b>
3	53	26	23	102	408	36.23%	\$219,724	<b>\$2,154.16</b>
Assumed Through Traffic					225	20.00%	\$121,306	
					1,126	100.00%	\$606,530	

Note: Traffic Authority of NSW Guidelines 10 vehicle trips/day/dwlg

Note: Assume 40% of all traffic approaching the intersection of Woodstack Road and Wheelbarrow Road from the south will use this road.

Benefit Area 1 =	50.0%	will use Woodstck Road
Benefit Area 2 =	80.0%	will use Woodstck Road
Benefit Area 3 =	40.0%	will use Woodstck Road

**05 ROAD 0040 Woodburn Road**

Cl.27(1)(g) E.P.&  
A.Reg.2000

	Length	Width	Quantity	Rate	Total
Upgrade Pavement	3,200 lm X	6.1	19,520 m2 X	\$25.58	\$499,400
Design			3.0% X	\$499,400	\$14,970
Supervision			3.0% X	\$499,400	\$14,970
Administration and On-costs			15.5% X	\$499,400	\$77,190
			<b>Project Cost</b>	<b>=</b>	<b>\$606,530</b>

1. Locality	Woodburn (Rural)
2. Project Description	Woodburn Road Clyde Ridge Rd to Monkey Mountain Rd
3. Project No.	<b>05 ROAD 0041 RECOUPMENT PROJECT</b>
4. Cost	\$72,490

Cl.26(1)(e) E.P. & A. Regs.  
2000

5. Contributions Apportionment Table

BENEFIT AREA <b>05 ROAD 0041</b> RECOUPMENT PROJECT	ESTIMATED EQUIVALENT TENEMENTS (lots / dwellings)				ESTIMATED APPORTIONMENT			CONTRIBUTION RATE E.T. per (lot / dwelling)
	Existing	Infill	Potential	Total	Vehicles per Day	% Traffic Generation	Cost to Benefit Area	
1	22		34	56	214	48.32%	\$35,026	<b>\$625.47</b>
2	7		26	33	61	13.86%	\$10,050	<b>\$304.55</b>
3	15		19	34	79	17.82%	\$12,915	<b>\$379.87</b>
Assumed Through Traffic					89	20.00%	\$14,498	
					<b>443</b>	<b>100.00%</b>	<b>\$72,490</b>	

Note: Traffic Authority of NSW Guidelines 10 vehicle trips/day/dwlg

Benefit Area 1 =	38.2%	will use Woodstck Road
Benefit Area 2 =	18.6%	will use Woodstck Road
Benefit Area 3 =	23.2%	will use Woodstck Road

**05 ROAD 0041 Woodburn Road**

Cl.27(1)(g) E.P.&  
A.Reg.2000

	Length	Width	Quantity	Rate	Total
Upgrade Pavement	3,700 lm X	5	18,500 m2 X	\$3.23 =	\$59,660
Design			3.0% X	\$59,660 =	\$1,790
Supervision			3.0% X	\$59,660 =	\$1,790
Administration and On-costs			15.5% X	\$59,660 =	\$9,250
			<b>Project Cost</b>	<b>=</b>	<b>\$72,490</b>

1. Locality	Albert
2. Project Description	The River Road (Middle Ridge Rd-The Sheep Track)
3. Project No.	<b>05 ROAD 0043</b>
4. Estimated Cost	\$231,120

Cl.26(1)(e) E.P. & A. Regs. 2000

5. Contributions Apportionment Table

BENEFIT AREA <b>05 ROAD 0043</b>	ESTIMATED EQUIVALENT TENEMENTS dwellings) (lots /				ESTIMATED APPORTIONMENT			CONTRIBUTION RATE E.T. per (lot / dwelling)
	Existing	Infill	Potential	Total	Vehicles per Day	% Traffic Generation	Cost to Benefit Area	
1	9	14	3	26	130	27.37%	\$63,254	<b>\$2,432.84</b>
2	5	4	16	25	250	52.63%	\$121,642	<b>\$4,865.68</b>
Assumed Through Traffic					95	20.00%	\$46,224	
					475	100.00%	\$231,120	

Note 1: For traffic generation, use the Traffic Authority of NSW Guidelines  
vehicles/day per dwelling (i.e. per  
10 E.T.)

Note 2: Assume 50% traffic from Benefit  
Area 1  
Assume 100% traffic from Benefit Area 2

will use The River Road for access.

**05 ROAD 0043 Estimated Cost: The River Road**

Cl.27(1)(g) E.P.&  
A.Reg.s.2000

	Length	Width	Quantity	Rate	Total
Upgrade Gravel Pavement	9,000 m X	5	45,000 m2 X	\$1.11 =	\$49,950
Gravel, Win, Load, Royalty	4,500m2 x 0.15m + 10%		7,425 m3 X	\$9.86 =	\$73,210
Haulage (Bailder Hill Pit)			7,425 m3 X	\$4.05 =	\$30,070
Earthwork to Extend Culverts in narrow areas		1 item	X	\$36,990 =	\$36,990
				<b>Sub Total =</b>	<b>\$190,220</b>
Design			3.0% X	\$190,220 =	\$5,710
Supervision			3.0% X	\$190,220 =	\$5,710
Administration and On-costs			15.5% X	\$190,220 =	\$29,480
				<b>Estimated Project Cost =</b>	<b>\$231,120</b>



1. Locality	Termeil
2. Project Description	Monkey Mountain Road
3. Project No.	<b>05 ROAD 0045</b>
4. Estimated Cost	\$123,300

Cl.26(1)(e) E.P. & A. Regs.  
2000

5. Contributions Apportionment Table

BENEFIT AREA <b>05 ROAD 0045</b>	ESTIMATED EQUIVALENT TENEMENTS (lots / dwellings)				ESTIMATED APPORTIONMENT			CONTRIBUTION RATE E.T. per (lot / dwelling)
	Existing	Infill	Potential	Total	Vehicles per Day	% Traffic Generation	Cost to Benefit Area	
1	11	4	3	18	36	15.48%	\$19,092	<b>\$1,060.65</b>
2	6	3	3	12	60	25.81%	\$31,819	<b>\$2,651.62</b>
3	4	2	3	9	90	38.71%	\$47,729	<b>\$5,303.23</b>
Assumed Through Traffic					47	20.00%	\$24,660	
					233	100.00%	\$123,300	

Note 1: For traffic generation, use the Traffic Authority of NSW Guidelines  
vehicles/day per dwelling (i.e. per  
10 E.T.)

Note 2: Assume 20% traffic from Benefit Area 1  
Assume 50% traffic from Benefit Area 2  
Assume 100% traffic from Benefit Area 3

will use Monkey Mountain Road for access.

**05 ROAD 0045 Estimated Cost: Monkey Mountain Road**

Cl.27(1)(g) E.P.&  
A.Reg.s.2000

	Length	Width	Quantity	Rate	Total
Upgrade Gravel Pavement	5,500 m X	5	27,500 m2 X	\$1.08 =	\$29,700
Gravel, Win, Load, Royalty	27,500m2 x 0.15m + 10%		4,538 m3 X	\$9.63 =	\$43,696
Haulage (Monkey Mtn Pit)			4,538 m3 X	\$2.24 =	\$10,164
Earthwork to narrow sections		1 item	X	\$17,920 =	\$17,920
				<b>Sub Total =</b>	<b>\$101,480</b>
Design			3.0% X	\$101,480 =	\$3,045
Supervision			3.0% X	\$101,480 =	\$3,045
Administration and On-costs			15.5% X	\$101,480 =	\$15,730
				<b>Estimated Project Cost =</b>	<b>\$123,300</b>

1. Locality	Termeil (Rural)
2. Project Description	Murramarang Road - from Highway to Willinga Lake
3. Project No.	<b>05 ROAD 0047 RECOUPMENT PROJECT</b>
4. Estimated Cost	\$445,600

5. Contributions Apportionment Table

Cl.27(1)(e) E P + A  
Regs.2000

BENEFIT AREA <b>05 ROAD 0047</b> RECOUPMENT PROJECT	ESTIMATED EQUIVALENT TENEMENTS (lots / dwellings)				ESTIMATED APPORTIONMENT			CONTRIBUTION RATE E.T. per (lot / dwelling)
	Existing	Infill	Potential	Total	Vehicles per Day	% Traffic Generation	Cost to Benefit Area	
1	773	281	251	1,305	13,050	100.00%	\$445,600	<b>\$341.46</b>
Assumed Through Traffic					0	0.00%	\$0	
					13,050	100.00%	\$445,600	

**Note:** For traffic generation, use the Traffic Authority of NSW Guidelines  
vehicles/day per dwelling (i.e. per  
10 E.T.)

**05 ROAD 0047 Project Cost:** Murramarang Road - from Highway to Willinga Lake

Cl.27(1)(g)  
E.P.&  
A.Reg.2000

	Length	Width	Quantity	Rate	Total
Upgrade Pavement	3,800 m X	6.1	23,180 m2 X	\$15.83 =	\$366,750
Design			3.0% X	\$366,750 =	\$11,000
Supervision			3.0% X	\$366,750 =	\$11,000
Administration and On-costs			15.5% X	\$366,750 =	\$56,850

**Project Cost = \$445,600**

1. Locality	Kioloa
2. Project Description	Murramarang Road - Kioloa Bridge
3. Project No.	<b>05 ROAD 0048 RECOUPMENT PROJECT</b>
4. Estimated Cost	\$504,530

5. Contributions Apportionment Table

Cl.27(1)(e) E P + A  
Regs.2000

BENEFIT AREA <b>05 ROAD 0048</b> RECOUPMENT PROJECT	ESTIMATED EQUIVALENT TENEMENTS (lots / dwellings)				ESTIMATED APPORTIONMENT			CONTRIBUTION RATE E.T. per (lot / dwelling)
	Existing	Infill	Potential	Total	Vehicles per Day	% Traffic Generation	Cost to Benefit Area	
1	212	138	207	557	5,570	100.00%	\$504,530	<b>\$905.80</b>
Assumed Through Traffic					0	0.00%	\$0	
					5,570	100.00%	\$504,530	

**Note:** For traffic generation, use the Traffic Authority of NSW Guidelines  
vehicles/day per dwelling (i.e. per  
10 E.T.)

**05 ROAD 0048 Estimated Cost:** Little Forest Road [340m from Princes Highway]

Cl.27(1)(g) E.P.&  
A.Reg.2000

	Length	Width	Quantity	Rate	Total
Construct Bridge			1 item x	\$415,250 =	\$415,250
Design			3.0% X	\$415,250 =	\$12,460
Supervision			3.0% X	\$415,250 =	\$12,460
Administration and On-costs			15.5% X	\$415,250 =	\$64,360
<b>Estimated Project Cost =</b>					<b>\$504,530</b>

1. Locality	Ulladulla
2. Project Description	Parsons Street
3. Project No.	<b>05 ROAD 0057</b> Recoupment Project
4. Estimated Cost	\$280,545

5. Contributions Apportionment Table

Cl.26(1)(e) E.P. & A. Regs.  
2000

BENEFIT AREA <b>05 ROAD 0057</b> RECOUPMENT PROJECT	ESTIMATED SQUARE METRES				ESTIMATED APPORTIONMENT			CONTRIBUTION RATE per SQUARE METRE (m2)
	Existing	Infill	Potential	Total	Vehicles per Day	% Traffic Generation	Cost to Benefit Area	
1	1,710	0	30,603	32,313	N/A	90.51%	\$253,928.95	<b>\$8.30</b>
2	0	0	3,387	3,387	N/A	9.49%	\$26,616.45	<b>\$7.86</b>
Assumed Through Traffic					N/A	0.00%	\$0.00	
	1,710	0	33,990	35,700	N/A	100.00%	\$280,545	

Cl.27(1)(g) E.P.&  
A.Regs.2000

**05 ROAD 0057 Estimated Cost: Parsons Street**

	Length	Width	Quantity		Rate		Total
<b>Highway Roundabout</b>			1 item	X	\$134,150	=	\$134,150
Highway Roundabout	Drainage		1 item	X	\$7,455	=	\$7,455
Highway Roundabout	Adjustment of Services and Driveways		1 item	X	\$7,455	=	\$7,455
<b>Estimated Cost of Hwy Roundabout</b>						<b>=</b>	<b>\$149,060</b>
<b>Parsonst Street</b>	160 m	X	13	2,080 m2	X	\$21.73	= \$45,195
Parsonst Street K&G	160 m	X	2	320 m	X	\$72.44	= \$23,180
Parsonst Street Drainage	450 mm dia	X	80 m	X	\$86.88	=	\$6,950
Drainage Pits			4 item	X	\$725.00	=	\$2,900
Street Lighting			1 item	X	\$3,620.00	=	\$3,620
<b>Estimated Cost of Parsons Street</b>						<b>=</b>	<b>\$81,845</b>
<b>Sub-Total</b>						<b>=</b>	<b>\$230,905</b>
Design			3.0%	X	\$230,905	=	\$6,925
Supervision			3.0%	X	\$230,905	=	\$6,925
Administration and On-costs			15.5%	X	\$230,905	=	\$35,790
<b>Estimated Project Cost</b>						<b>=</b>	<b>\$280,545</b>

- 1. Locality **Little Forest**
- 2. Project Description **Little Forest Road [340m from Princes Highway]**
- 3. No. **05 ROAD 0058 New Project**
- 4. Estimated Cost **\$92,790**

Cl.27(1)(e) E P + A  
Regs.2000

5. Contributions Apportionment Table

BENEFIT AREA <b>05 ROAD 0058</b> NEW PROJECT	ESTIMATED EQUIVALENT TENEMENTS (lots / dwellings)				ESTIMATED APPORTIONMENT			CONTRIBUTION RATE E.T. per (lot / dwelling)
	Existing	Infill	Potential	Total	Vehicles per Day	% Traffic Generation	Cost to Benefit Area	
1 Rural Residential Lifestyle Area	28	0	19	47	470	35.61%	\$33,039	<b>\$1,738.89</b>
2 Rural Area	66	7	12	85	850	64.39%	\$59,751	<b>\$702.95</b>
Assumed Through Traffic					0	0.00%	\$0	
					1,320	100.00%	\$92,790	

**Note:** For traffic generation, use the Traffic Authority of NSW Guidelines  
vehicles/day per dwelling (i.e. per  
10 E.T.)

**05 ROAD 0058 Estimated Cost: Little Forest Road [340m from Princes Highway]**

Cl.27(1)(g) E.P.&  
A.Reg.2000

Upgrade and Seal	Length	Width	Quantity	Rate	Total
Pavement	340 m X	6.1	2,074 m2 X	\$36.82	= \$76,370
Design			3.0% X	\$76,370	= \$2,290
Supervision			3.0% X	\$76,370	= \$2,290
Administration and On-costs			15.5% X	\$76,370	= \$11,840
<b>Estimated Project Cost</b>				<b>=</b>	<b>\$92,790</b>

1. Locality	Ulladulla
2. Project Description	Green Street/Cashman Road Roundabout
3. Project No.	<b>05 ROAD 0059</b>
4. Estimated Cost	\$182,490

BENEFIT AREA <b>05 ROAD 0059</b> NEW PROJECT	ESTIMATED EQUIVALENT TENEMENTS (lots / dwellings)				ESTIMATED APPORTIONMENT			CONTRIBUTION RATE E.T. per (lot / dwelling)
	Existing	Infill	Potential	Total	Vehicles per Day	% Traffic Generation	Cost to Benefit Area	
1	19	0	53	72	720	100.00%	\$182,490	<b>\$2,534.58</b>
Assumed Through Traffic					0	0.00%	\$0	
					720	100.00%	\$182,490	

Cl.26(1)(e) E.P. & A. Regs. 2000

Note: For traffic generation, use the Traffic Authority of NSW Guidelines  
vehicles/day per dwelling (i.e. per 10 E.T.)

**05 ROAD 0059 Estimated Cost: Green Street/Cashman Road Roundabout**

Cl.27(1)(g) E.P. & A. Regs. 2000

Intersection Works (inc. Kerb Adjustments and Pram Ramps)	1	item	X	\$60,080	=	\$60,080
Roundabout and Splitter Islands	1	item	X	\$35,880	=	\$35,880
Re-locate Fence and footpath	1	item	X	\$6,260	=	\$6,260
Service Relocation (Electrical)	1	item	X	\$17,940	=	\$17,940
Service Relocation (Telstra)	1	item	X	\$17,940	=	\$17,940
Service Relocation (Other)	1	item	X	\$12,100	=	\$12,100
				<b>Sub-Total</b>	<b>=</b>	<b>\$150,200</b>
Design	3.0%		X	\$150,200	=	\$4,505
Supervision	3.0%		X	\$150,200	=	\$4,505
Administration and On-costs	15.5%		X	\$150,200	=	\$23,280
				<b>Estimated Project Cost</b>	<b>=</b>	<b>\$182,490</b>



- 1. Locality **Milton**
- 2. Project Description **Gordon Street [425m north of Princes Highway]**
- 3. No. **05 ROAD 0060 New Project**
- 4. Estimated Cost **\$66,860**

Cl.27(1)(e) E P + A  
Regs.2000

5. Contributions Apportionment Table

BENEFIT AREA <b>05 ROAD 0060</b> NEW PROJECT	ESTIMATED EQUIVALENT TENEMENTS (lots / dwellings)				ESTIMATED APPORTIONMENT			CONTRIBUTION RATE E.T. per (lot / dwelling)
	Existing	Infill	Potential	Total	Vehicles per Day	% Traffic Generation	Cost to Benefit Area	
1	28	27	37	92	920	100.00%	\$66,860	<b>\$726.74</b>
Assumed Through Traffic					0	0.00%	\$0	
					920	100.00%	\$66,860	

**Note:** For traffic generation, use the Traffic Authority of NSW Guidelines  
vehicles/day per dwelling (i.e. per 10 E.T.)

**05 ROAD 0060 Estimated Cost: Gordon Street [425m north of Princes Highway]**

Cl.27(1)(g) E.P.&  
A.Reg.2000

Upgrade and Seal	Length	Width	Quantity	Rate	Total
Pavement	245 m	X 6.1	1,495 m2 X	\$36.82 =	\$55,030
Design			3.0% X	\$55,030 =	\$1,650
Supervision			3.0% X	\$55,030 =	\$1,650
Administration and On-costs			15.5% X	\$55,030 =	\$8,530
<b>Estimated Project Cost</b>				<b>=</b>	<b>\$66,860</b>

1. Locality	Milton-Narrawallee
2. Project Description	Matron Porter Drive
3. Project No.	<b>05 ROAD 0061</b> New Project
4. Estimated Cost	\$2,000,000

Cl.27(1)(e) E P + A  
Regs.2000

BENEFIT AREA <b>05 ROAD 0061</b> NEW PROJECT	ESTIMATED EQUIVALENT TENEMENTS (lots / dwellings)				ESTIMATED APPORTIONMENT			CONTRIBUTION RATE E.T. per (lot / dwelling)
	Existing	Infill	Potential	Total	Vehicles per Day	% Traffic Generation	Cost to Benefit Area	
1	10	0	2	12	120	2.00%	\$40,073	<b>\$3,339.46</b>
2	1,082	1	258	1,341	4,023	67.17%	\$1,343,463	<b>\$1,001.84</b>
3	809	0	33	842	842	14.06%	\$281,182	<b>\$333.95</b>
4	99	0	152	251	1,004	16.76%	\$335,281	<b>\$1,335.78</b>
Assumed Through Traffic					0	0.00%	\$0	
					5,989	100.00%	\$2,000,000	

Note: Traffic Authority of NSW Guidelines 10 vehicle trips/day/dwlg

Benefit Area 1 =	10	vehicles/day per dwelling (i.e. per E.T.)	100.00%	Veh. Trips use Bishop Drive
Benefit Area 2 =	3	vehicles/day per dwelling (i.e. per E.T.)	30.00%	Veh. Trips use Bishop Drive
Benefit Area 3 =	1	vehicles/day per dwelling (i.e. per E.T.)	10.00%	Veh. Trips use Bishop Drive
Benefit Area 4 =	4	vehicles/day per dwelling (i.e. per E.T.)	40.00%	Veh. Trips use Bishop Drive

Cl.27(1)(g) E.P.&  
A.Reg.2000

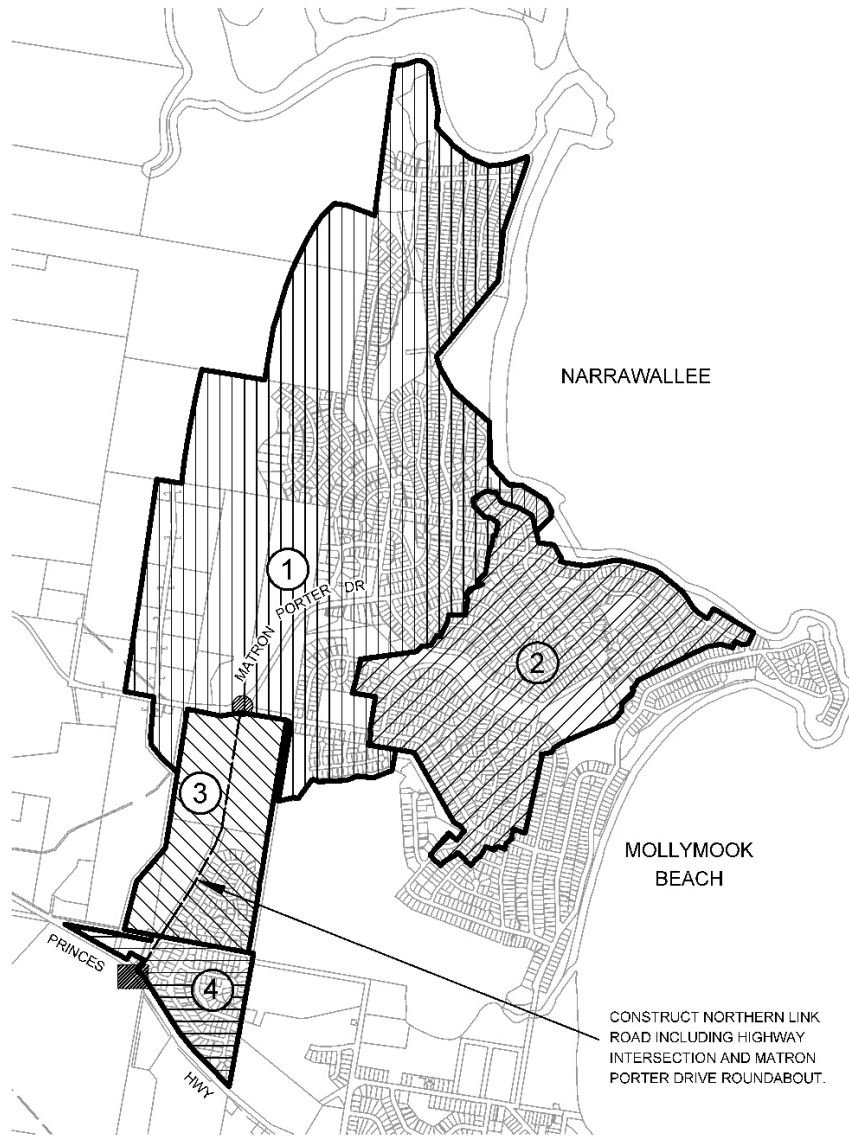
**05 ROAD 0061 Estimated Cost: Matron Porter Drive**

<b>Section 1: Princes Highway to Garside Road</b>		Quantity		Rate		Total	
Fencing	Removal / Reinstatement / Repair	1	item X	\$103,150	=	\$103,150	
Clearing		1	item X	\$92,830	=	\$92,830	
Pole Relocation		1	item X	\$103,150	=	\$103,150	
Road Construction:	2 x 0.5m through lanes 2 x 2.0m shoulders inc. 1m seal	1.7	km X	\$309,440	=	\$526,050	
<b>Intersection Matron Porter / Princes Highway:</b>							
Extend stand up lanes to the east of the intersection in Matron Porter Drive to provide the required differential length of 2 lane queue storage : Extend 73m further to the east (determine							
		1	item X	\$128,930	=	\$128,930	
<b>Additional Pavement:</b>							
	(AUR) Required at Frogs Holler Sports Ground Access	1	item X	\$103,150	=	\$103,150	
Guardrail		1	item X	\$103,150	=	\$103,150	
Lighting	The Heights	1	item X	\$30,940	=	\$30,940	
Linemarking / Signposting		1	item X	\$10,310	=	\$10,310	
					Estimated Cost of Section 1	=	\$1,201,660

**Section 2: Garside Road to Leo Drive**

Clearing		1	item	X	\$10,310	=	\$10,310
Road Construction:	2 x 0.5m through lanes 2 x 2.0m shoulders inc. 1m seal	0.7	km	X	\$309,430	=	\$216,600
					Estimated Cost of Section 2	=	\$226,910
					Sub-Total		<b>\$1,428,570</b>
Survey and Design		5.0%		X	\$1,428,570	=	\$71,430
Project Management	Studies / Assessments as required	5.0%		X	\$1,428,570	=	\$71,430
Contingencies		30.0%		X	\$1,428,570	=	\$428,570
					<b>Estimated Project Cost</b>	=	<b>\$2,000,000</b>

## APPENDIX F - BENEFIT AREA MAPS

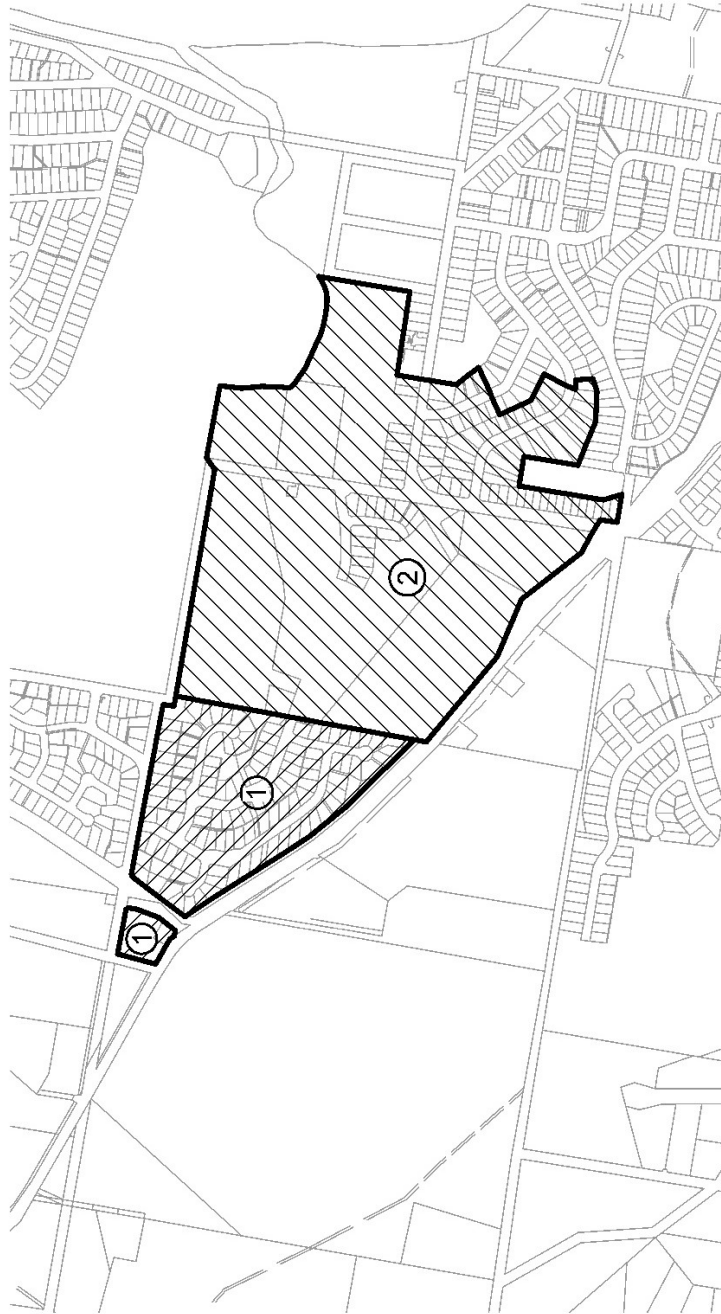


SHOALHAVEN CITY COUNCIL  
**DRAFT S94 CP2005**  
**ROADS**  
**AMENDMENT NO. 77**

FILE NO: 28709  
FACILITY: ROADS  
PROJECT: CONSTRUCT NORTHERN LINK ROAD INCLUDING HWY.  
INTERSECTION & MATRON PORTER DR. ROUNDABOUT,  
MOLLYMOOK

PROJECT NO.  
**05 ROAD 0001**



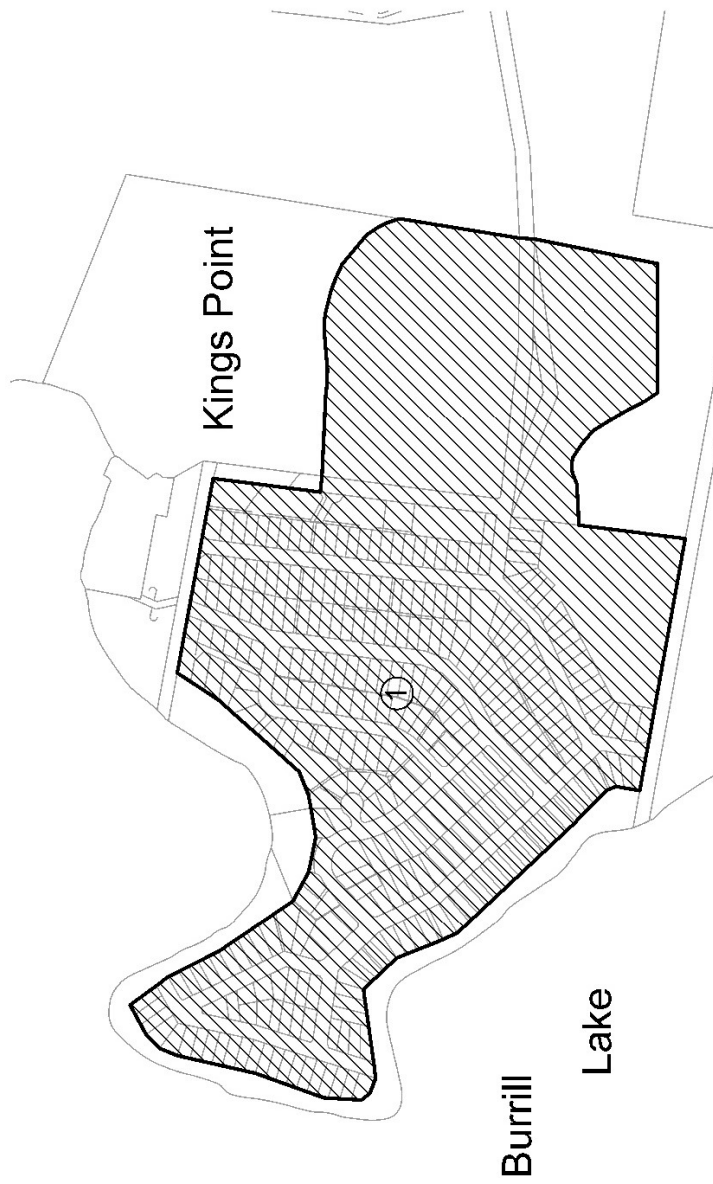


SHOALHAVEN CITY COUNCIL  
**DRAFT S94 CP2005  
ROADS  
AMENDMENT NO. 77**

FILE NO: 28709  
FACILITY: ROADS  
PROJECT: OCEAN ST, MAISIE WILLIAMS DR, ILETT ST, ROUNDABOUT MOLLYMOOK.



PROJECT NO.  
**05 ROAD 0003**

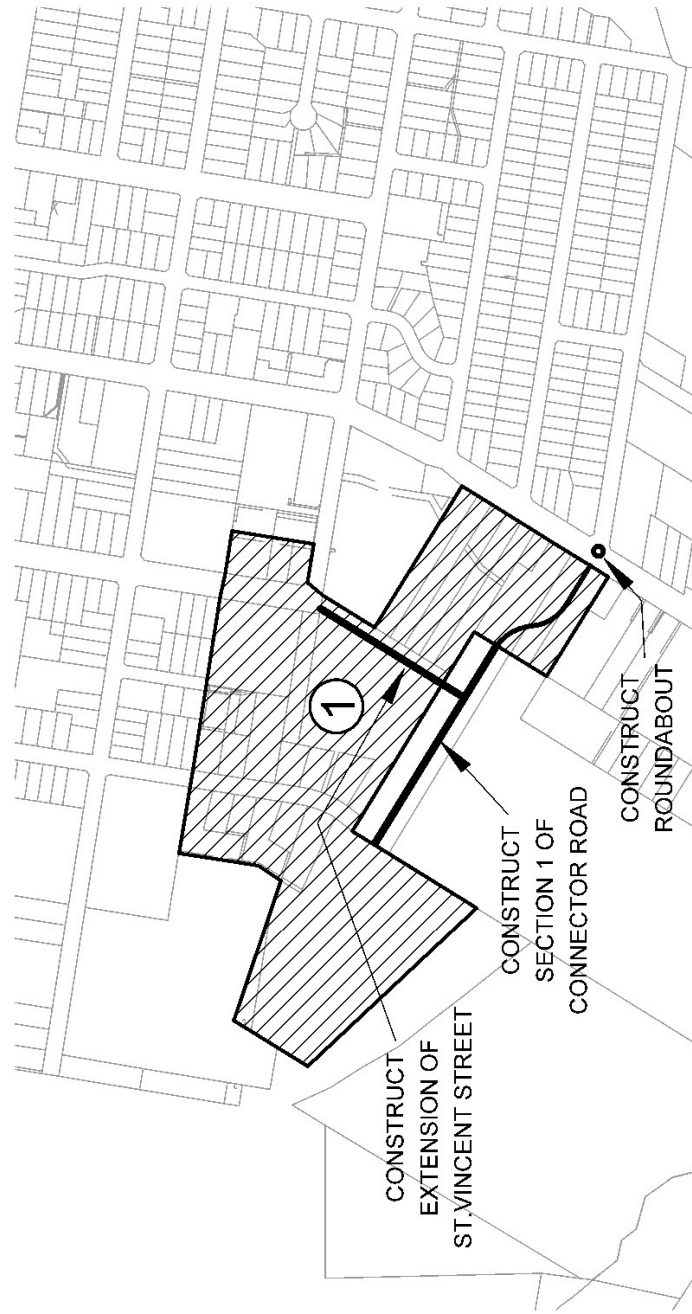


SHOALHAVEN CITY COUNCIL  
**DRAFT S94 CP2005  
ROADS  
AMENDMENT NO. 77**

FILE NO: 28709  
FACILITY: ROADS  
PROJECT: UPGRADE & SEAL PAVEMENT FOR 380m, KINGS POINT ROAD.



PROJECT NO.  
**05 ROAD 0007**



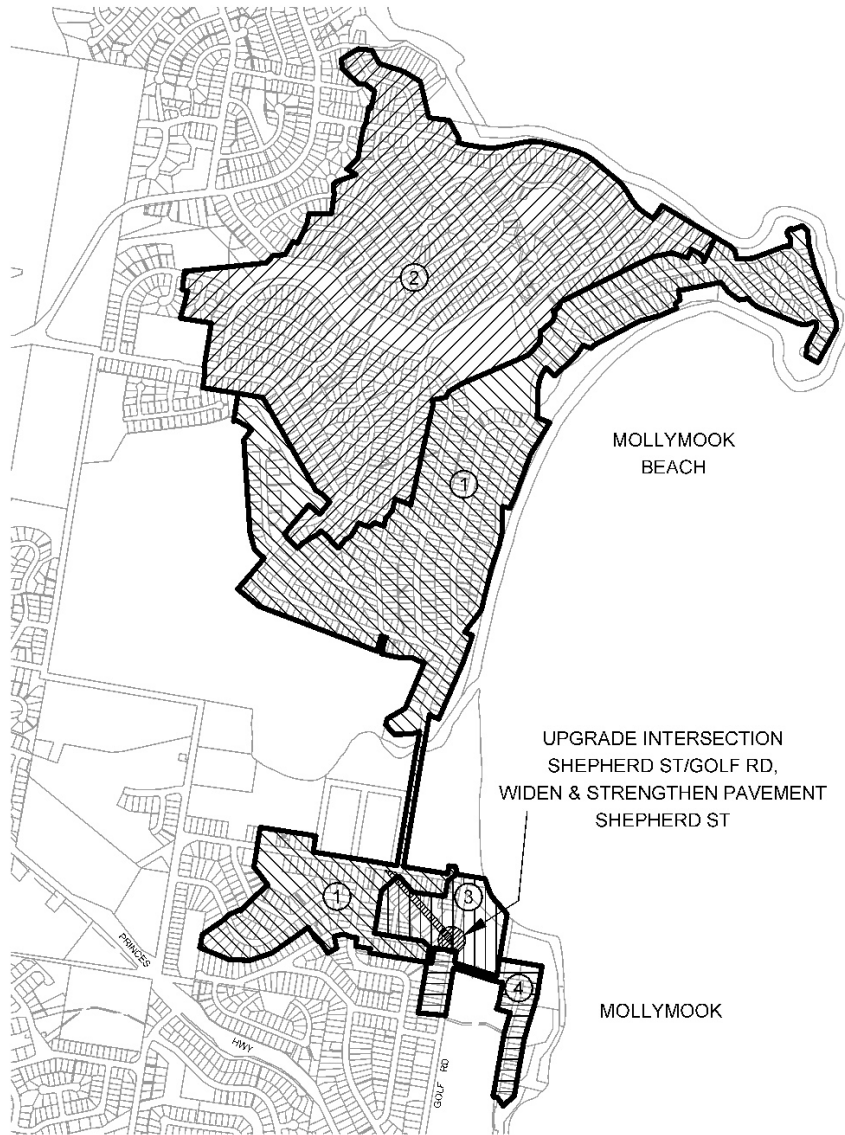
SHOALHAVEN CITY COUNCIL  
**DRAFT S94 CP2005**  
**ROADS**  
**AMENDMENT NO. 77**

FILE NO: 28709  
FACILITY: ROADS  
PROJECT: INDUSTRIAL ACCESS ROADS INCLUDING PRINCES HWY. ROUNDABOUT  
SOUTH ULLADULLA



PROJECT NO.  
**05 ROAD 0008**



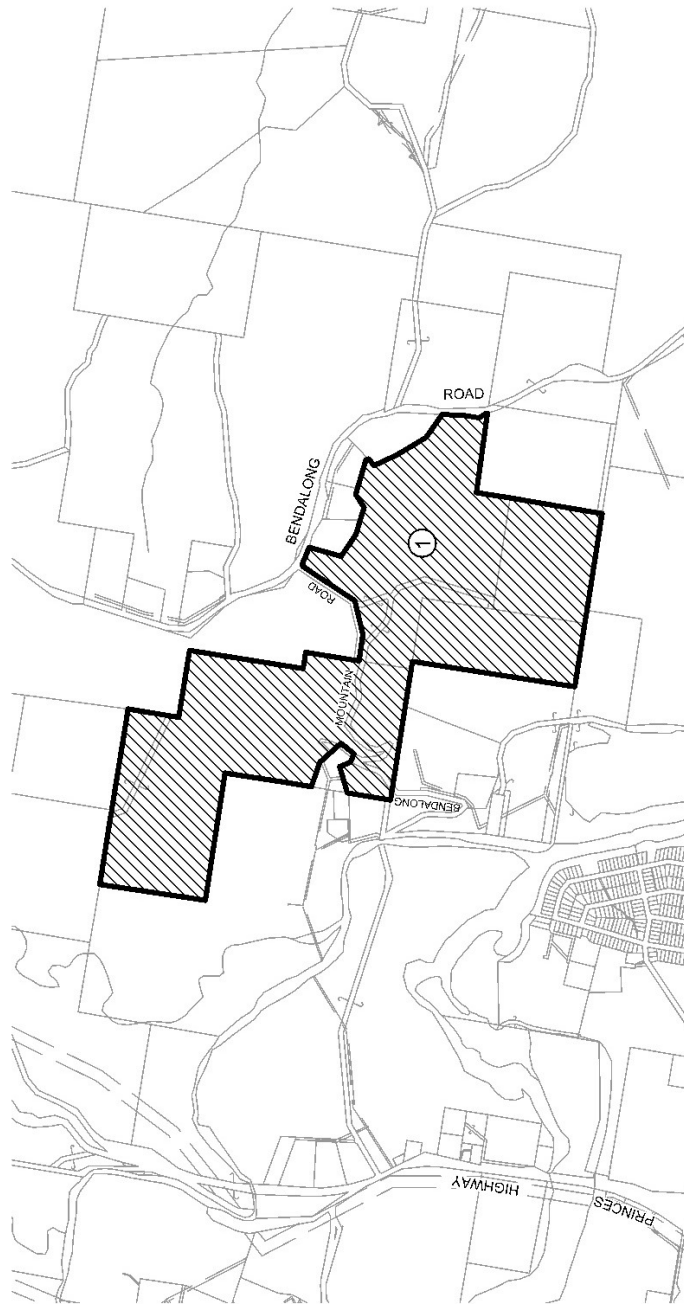


SHOALHAVEN CITY COUNCIL  
**DRAFT S94 CP2005**  
**ROADS**  
**AMENDMENT NO. 77**

FILE NO: 28709  
FACILITY: ROADS  
PROJECT: SHEPHERD ST/ GOLF RD, MOLLYMOOK - WIDEN &  
STRENGTHEN PAVEMENT IN SHEPHERD ST & UPGRADE  
INTERSECTION.

PROJECT NO.  
**05 ROAD 0010**

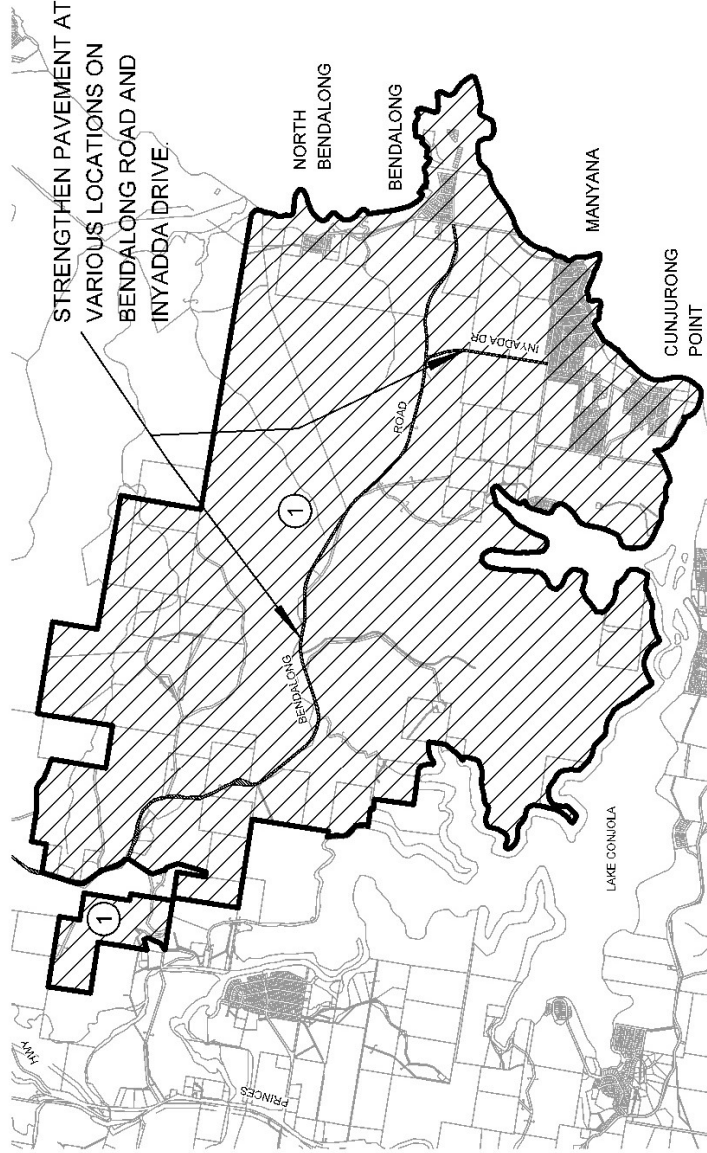




PROJECT NO.  
**05 ROAD 0013**

SHOALHAVEN CITY COUNCIL  
**DRAFT S94 CP2005  
ROADS  
AMENDMENT NO. 77**

FILE NO: 28709  
FACILITY: ROADS  
PROJECT: UPGRADE PAVEMENT BENDALONG MOUNTAIN ROAD



SHOALHAVEN CITY COUNCIL  
**DRAFT S94 CP2005  
ROADS  
AMENDMENT NO. 77**

FILE NO: 28709

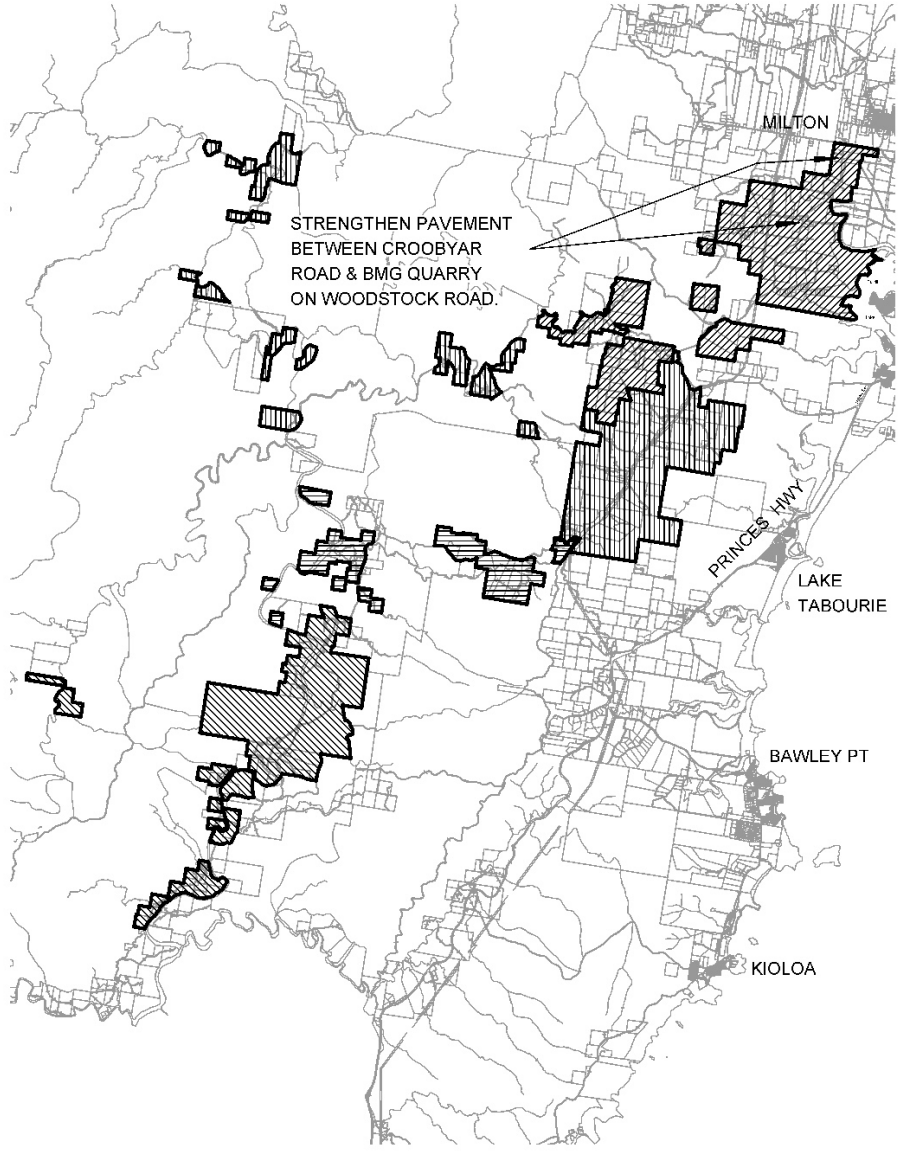
FACILITY: ROADS (RECOUPMENT PROJECT)

PROJECT: BENDALONG RD / INYADDA DR.; BENDALONG STRENGTHEN PAVEMENT



PROJECT NO.

**05 ROAD 0020**



STRENGTHEN PAVEMENT  
BETWEEN CROOBYAR  
ROAD & BMG QUARRY  
ON WOODSTOCK ROAD.

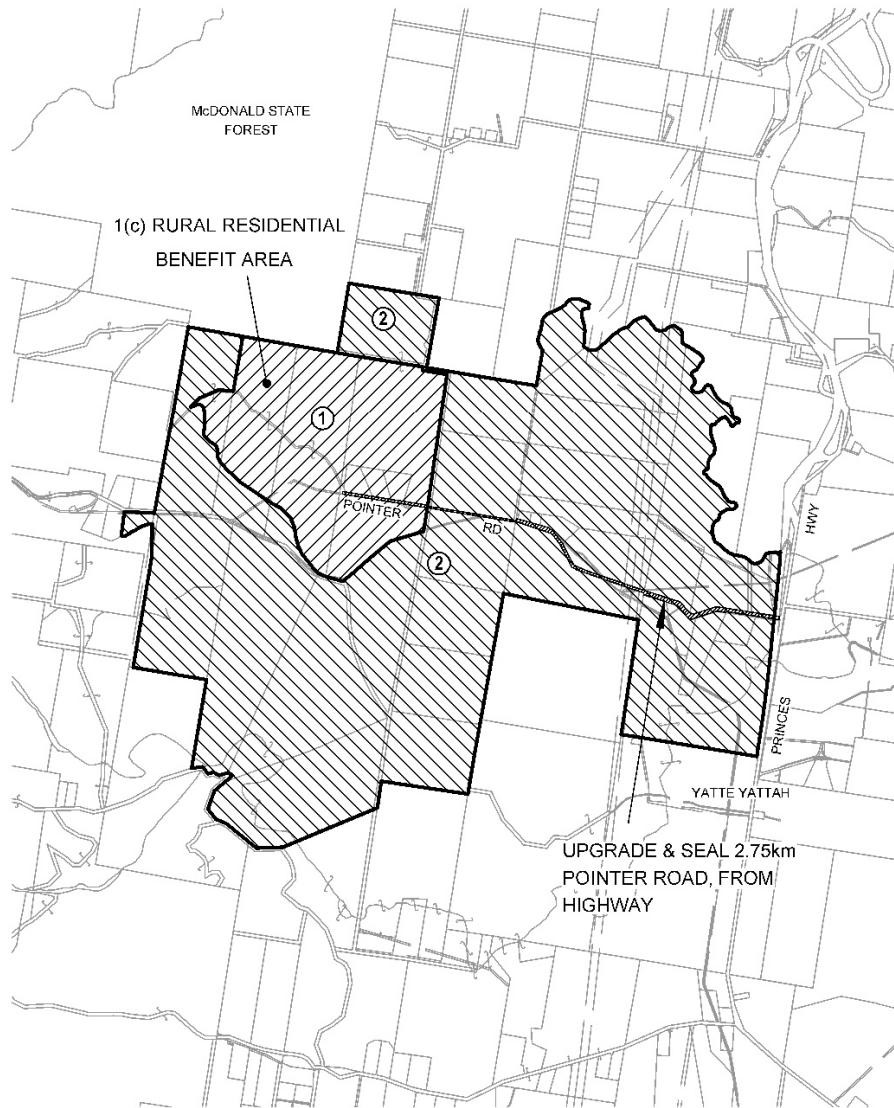
SHOALHAVEN CITY COUNCIL  
**DRAFT S94 CP2005**  
**ROADS**  
**AMENDMENT NO. 77**

FILE NO: 28709  
FACILITY: ROADS  
PROJECT: WOODSTOCK ROAD, ULLADULLA  
STRENGTHEN PAVEMENT FROM CROOBYAR RD  
TO BMG QUARRY.

- |                |  |                |  |
|----------------|--|----------------|--|
| BENEFIT AREA 1 |  | BENEFIT AREA 3 |  |
| BENEFIT AREA 2 |  | BENEFIT AREA 4 |  |

PROJECT NO.  
**05 ROAD 0021**



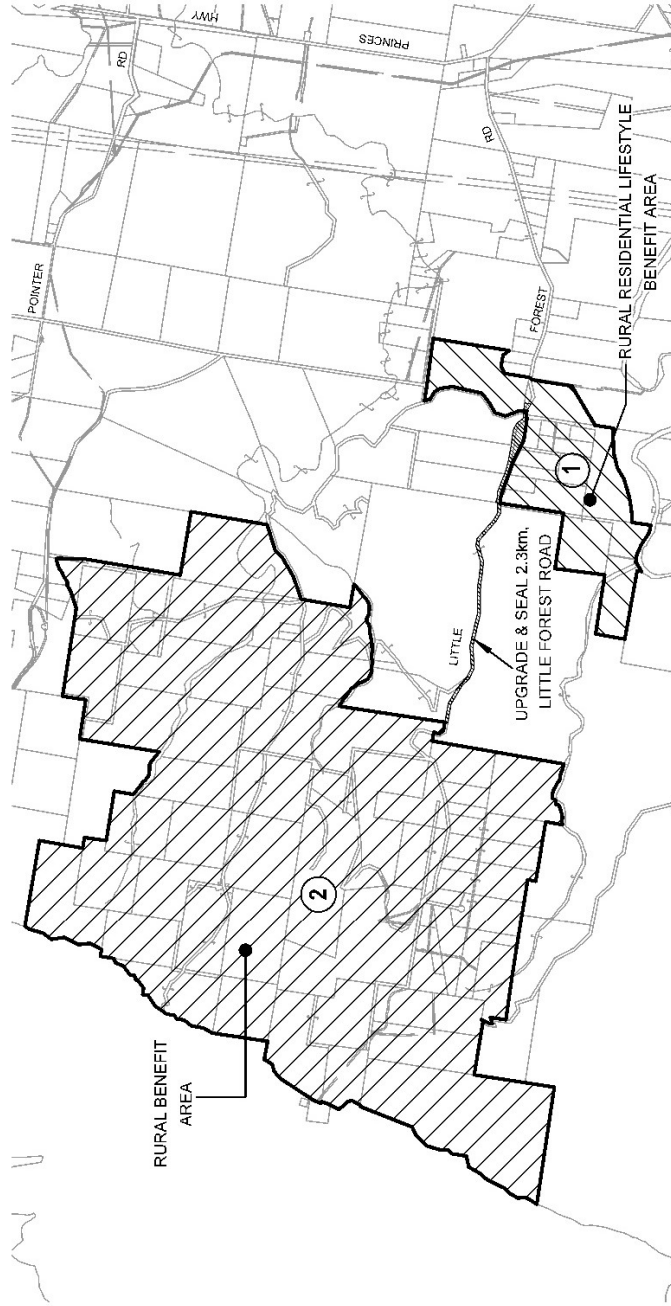


SHOALHAVEN CITY COUNCIL  
**DRAFT S94 CP2005**  
**ROADS**  
**AMENDMENT NO. 77**

FILE NO: 28709  
FACILITY: ROADS  
PROJECT: POINTER ROAD, YATTE YATTAH & POINTER MOUNTAIN  
UPGRADE & SEAL 2.75km

PROJECT NO.  
**05 ROAD 0023**





SHOALHAVEN CITY COUNCIL  
**DRAFT S94 CP2005  
ROADS  
AMENDMENT NO. 77**

FILE NO: 28709

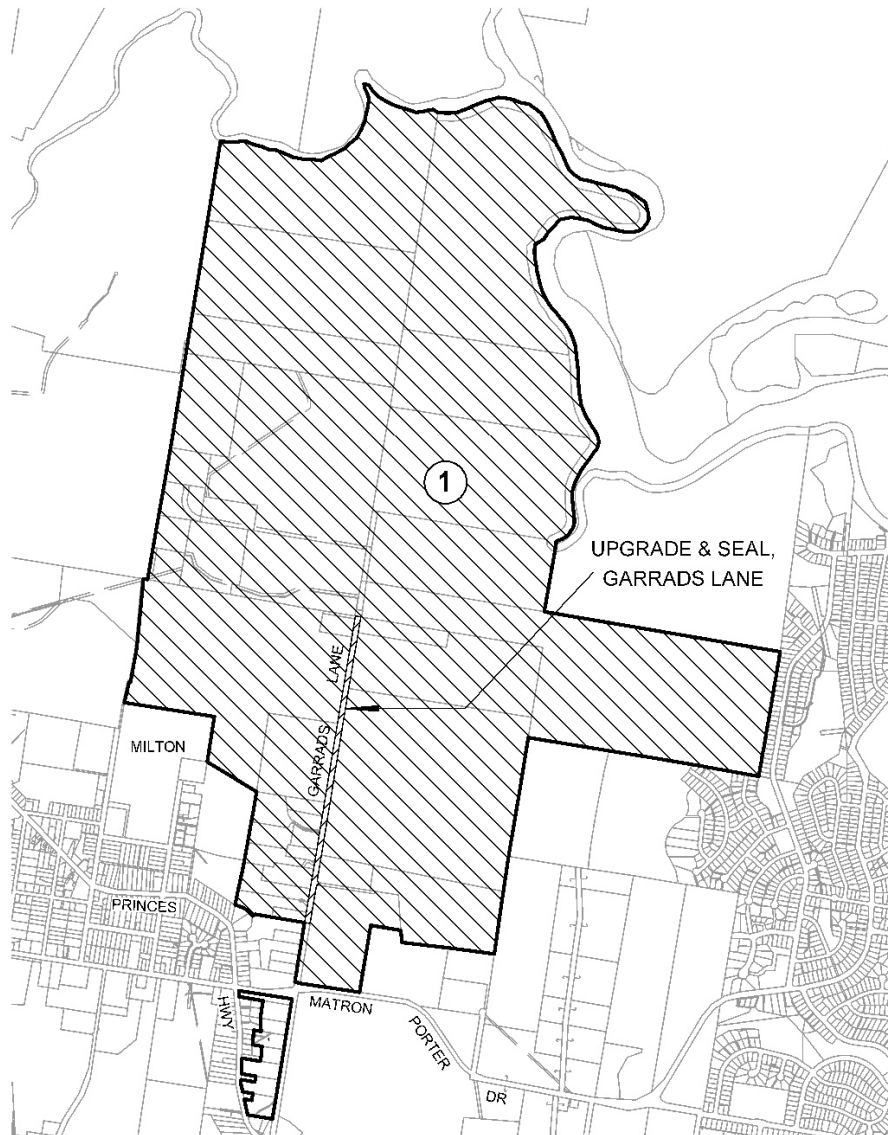
FACILITY: ROADS

PROJECT: LITTLE FOREST ROAD, LITTLE FOREST & POINTER MOUNTAIN  
- UPGRADE & SEAL 2.3 km.



PROJECT NO.

**05 ROAD 0025**

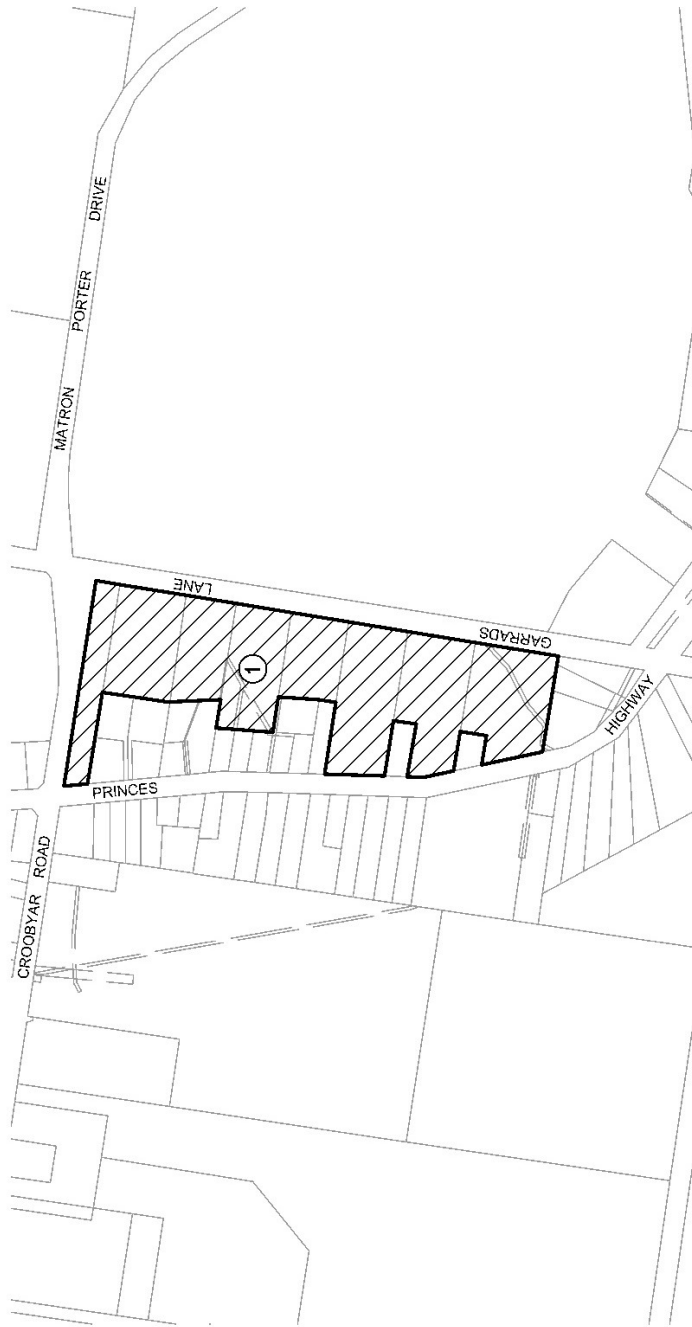


SHOALHAVEN CITY COUNCIL  
**DRAFT S94 CP2005**  
**ROADS**  
**AMENDMENT NO. 77**

FILE NO: 28709  
FACILITY: ROADS  
PROJECT: GARRADS LANE (NORTH OF MATRON PORTER DRIVE),  
MILTON - SEAL 1.2km.

PROJECT NO.  
**05 ROAD 0028**



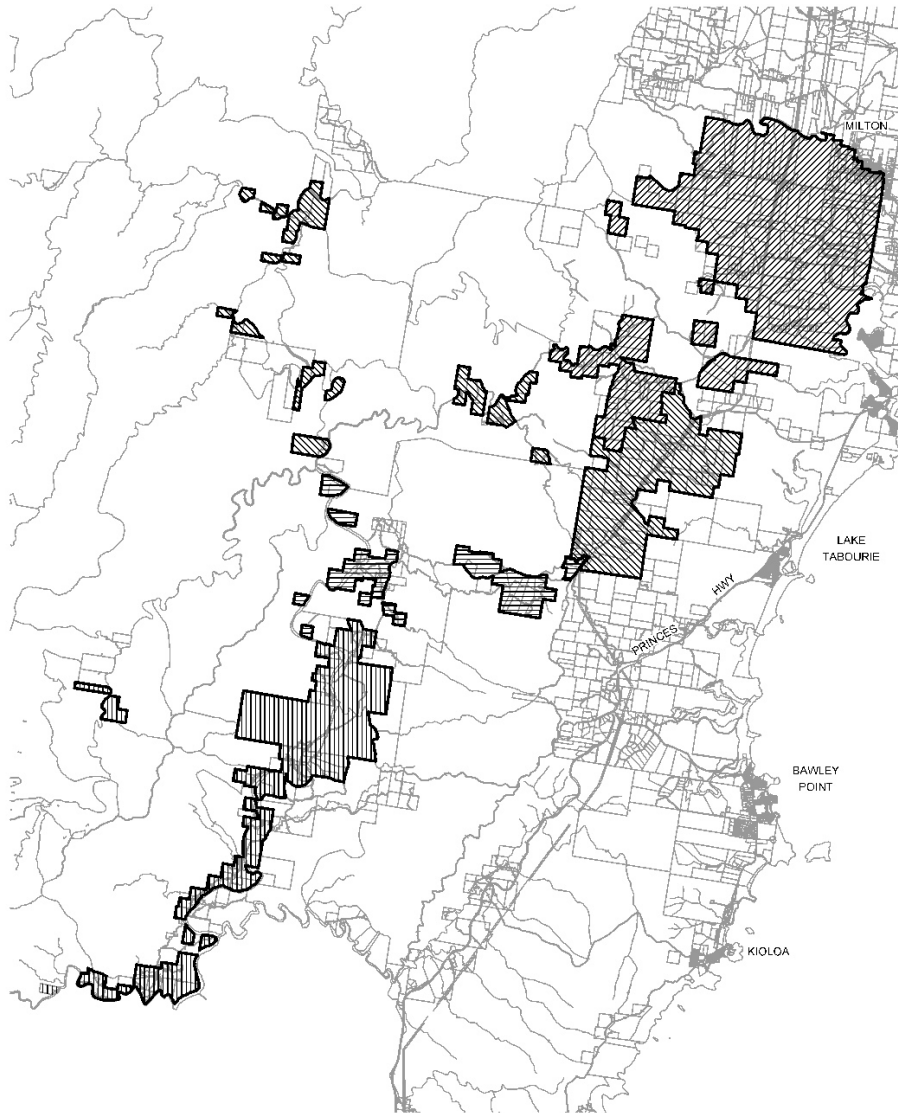


PROJECT NO.  
**05 ROAD 0029**

SHOALHAVEN CITY COUNCIL  
**DRAFT S94 CP2005  
ROADS  
AMENDMENT NO. 77**

FILE NO: 28709  
FACILITY: ROADS  
PROJECT: UPGRADE AND SEAL PAVEMENT GERRARDS LANE, MILTON





SHOALHAVEN CITY COUNCIL  
**DRAFT S94 CP2005**  
**ROADS**  
**AMENDMENT NO. 77**

FILE NO: 28709  
FACILITY: ROADS  
PROJECT: STRENGTHEN AND WIDEN PAVEMENT  
CROBYAR ROAD, MILTON.

BENEFIT AREA 1 

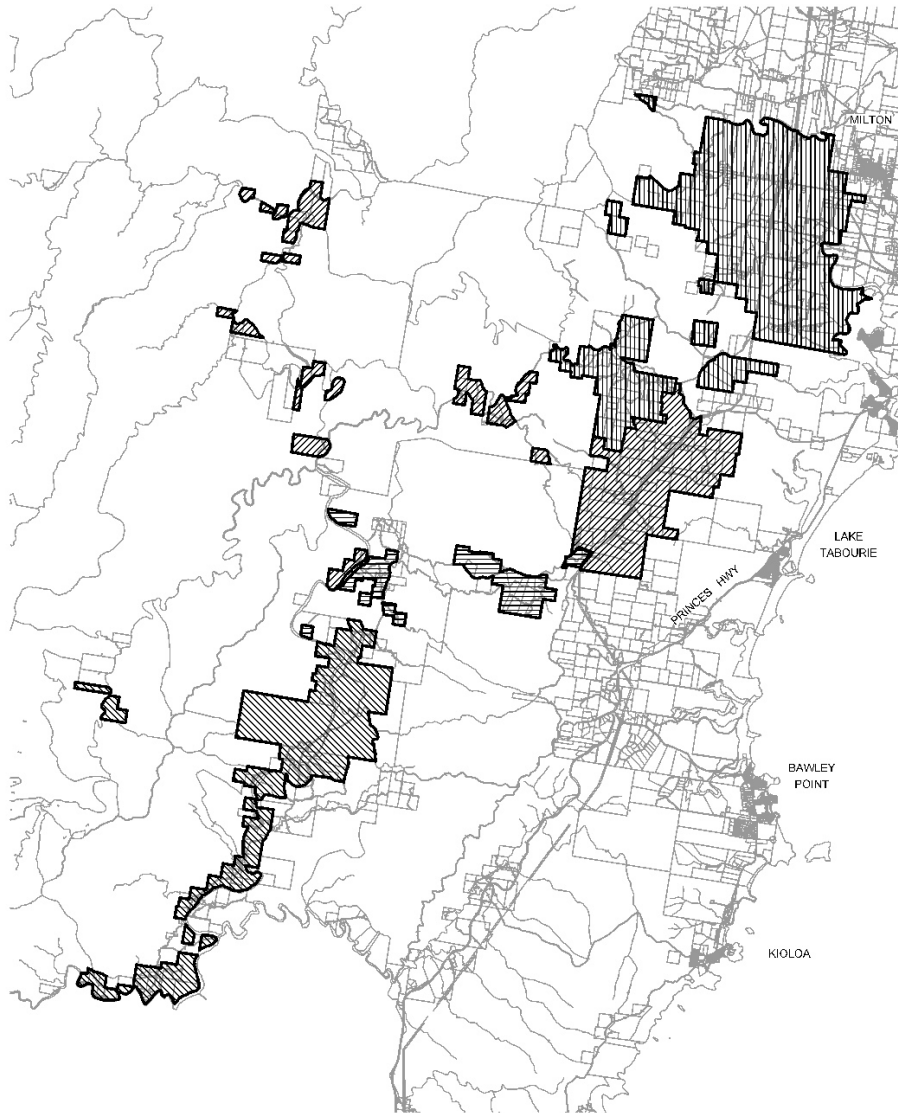
BENEFIT AREA 2 

BENEFIT AREA 3 

BENEFIT AREA 4 

PROJECT NO.  
**05 ROAD 0030**







SHOALHAVEN CITY COUNCIL  
**DRAFT S94 CP2005**  
**ROADS**  
**AMENDMENT NO. 77**

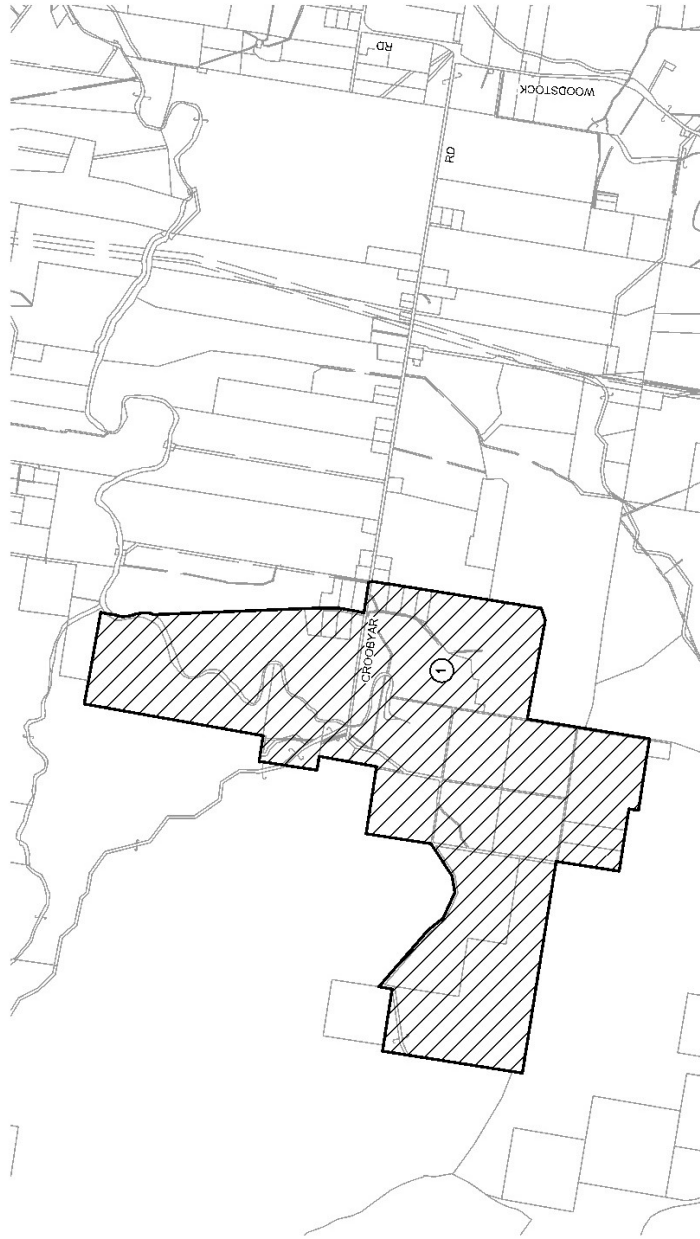
FILE NO: 28709  
FACILITY: ROADS  
PROJECT: CROOBYAR ROAD, ULLADULLA -  
WIDEN & STRENGTHEN 0.6km PAVEMENT & CULVERT.

BENEFIT AREA 1   
BENEFIT AREA 2 

BENEFIT AREA 3   
BENEFIT AREA 4 

PROJECT NO.  
**05 ROAD 0032**



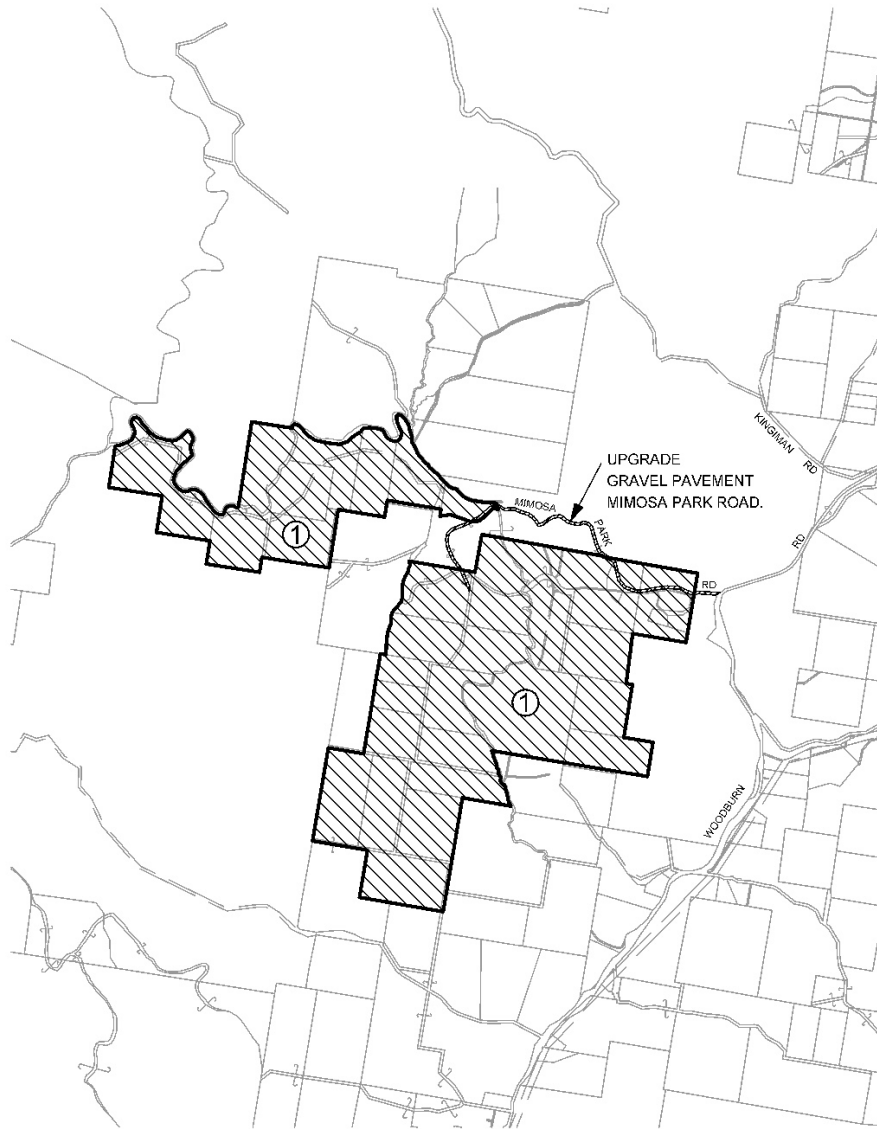


SHOALHAVEN CITY COUNCIL  
**DRAFT S94 CP2005  
ROADS  
AMENDMENT NO. 77**

FILE NO: 28709  
FACILITY: ROADS  
PROJECT: CROOBYAR ROAD, CROOBYAR -  
UPGRADE 1.4 km SEAL PAVEMENT



PROJECT NO.  
**05 ROAD 0036**

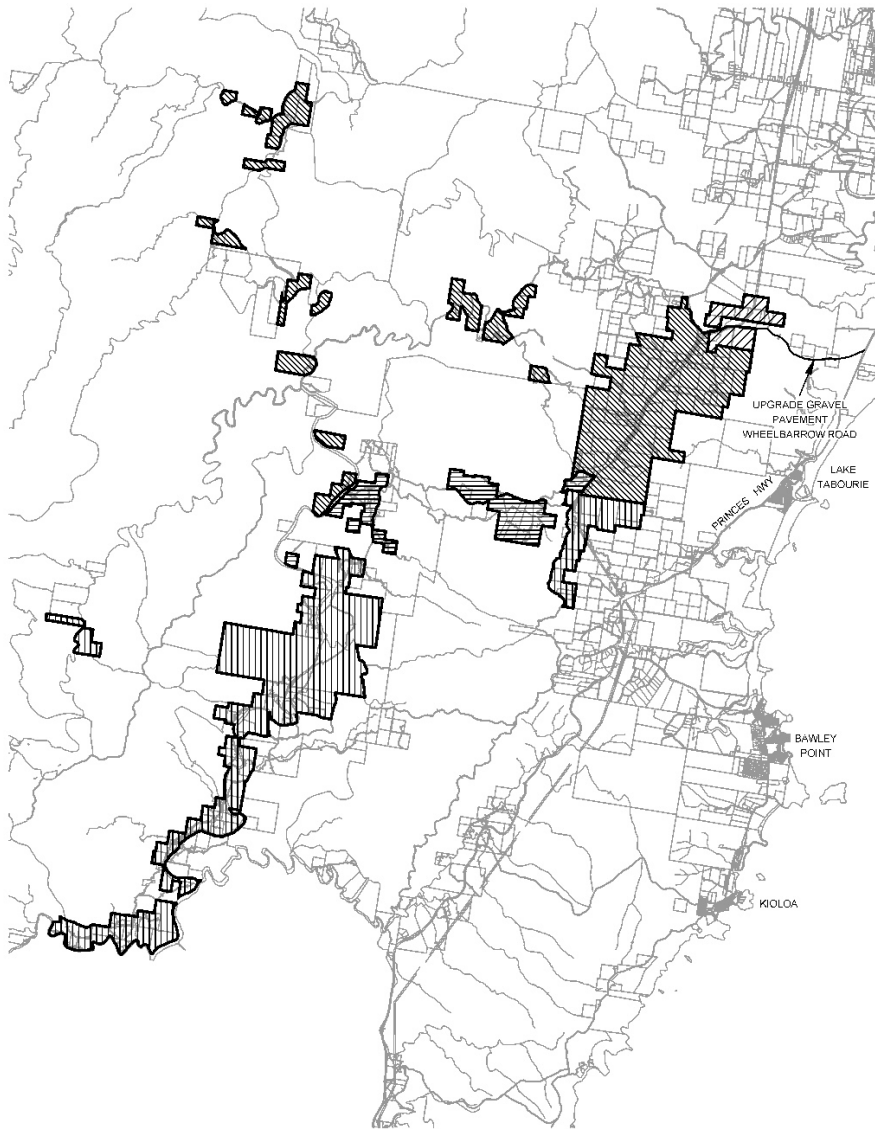


SHOALHAVEN CITY COUNCIL  
**DRAFT S94 CP2005**  
**ROADS**  
**AMENDMENT NO. 77**

FILE NO: 28709  
FACILITY: ROADS  
PROJECT: MIMOSA PARK ROAD, WOODBURN (R) -  
UPGRADE GRAVEL PAVEMENT





PROJECT NO.  
**05 ROAD 0037**





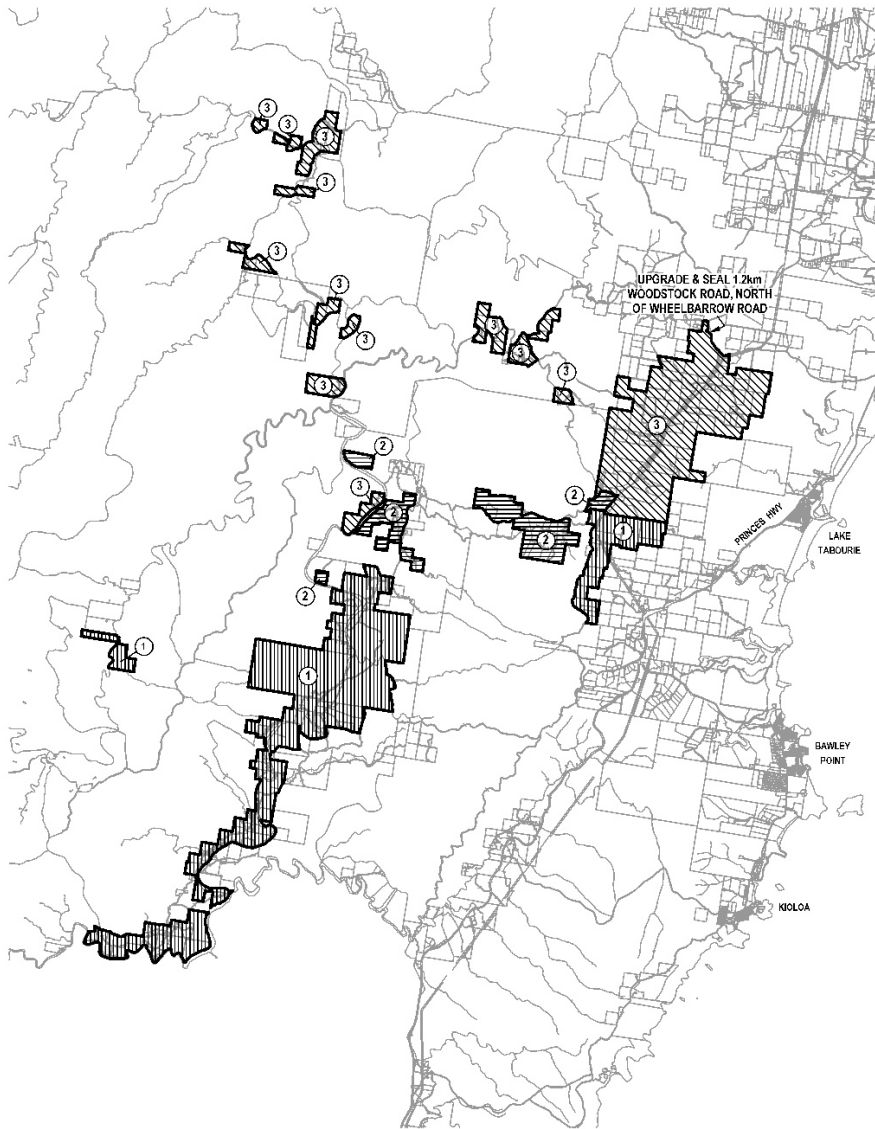
SHOALHAVEN CITY COUNCIL  
**DRAFT S94 CP2005**  
**ROADS**  
**AMENDMENT NO. 77**

FILE NO: 28709  
FACILITY: ROADS  
PROJECT: WHEELBARROW ROAD, WOODBURN (R) -  
UPGRADE GRAVEL PAVEMENT

- |                |   |                |   |
|----------------|---|----------------|---|
| BENEFIT AREA 1 |  | BENEFIT AREA 3 |  |
| BENEFIT AREA 2 |  | BENEFIT AREA 4 |  |

PROJECT NO.  
**05 ROAD 0038**



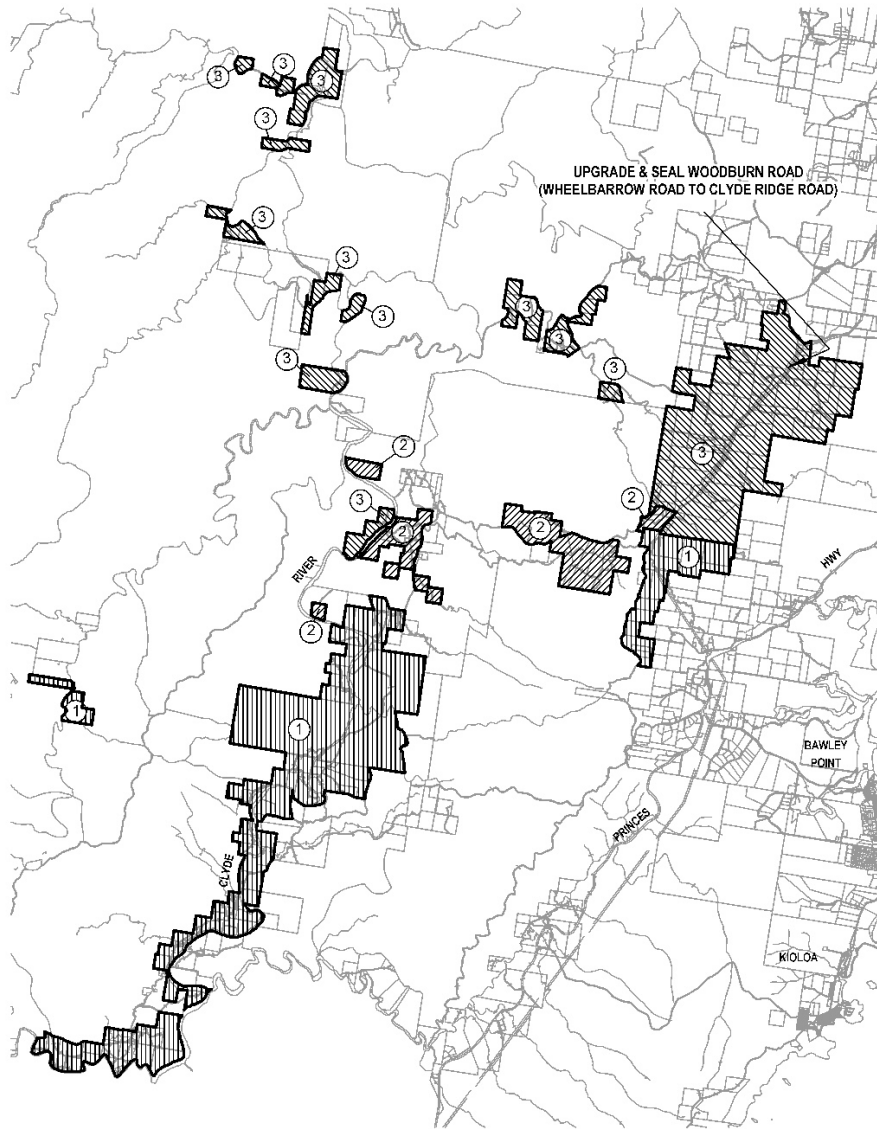


SHOALHAVEN CITY COUNCIL  
**DRAFT S94 CP2005**  
**ROADS**  
**AMENDMENT NO. 77**

FILE NO: 28709  
FACILITY: ROADS  
PROJECT: WOODSTOCK ROAD, WOODBURN (R) -  
UPGRADE & SEAL 12km NORTH OF WHEELBARROW RD.

PROJECT NO.  
**05 ROAD 0039**



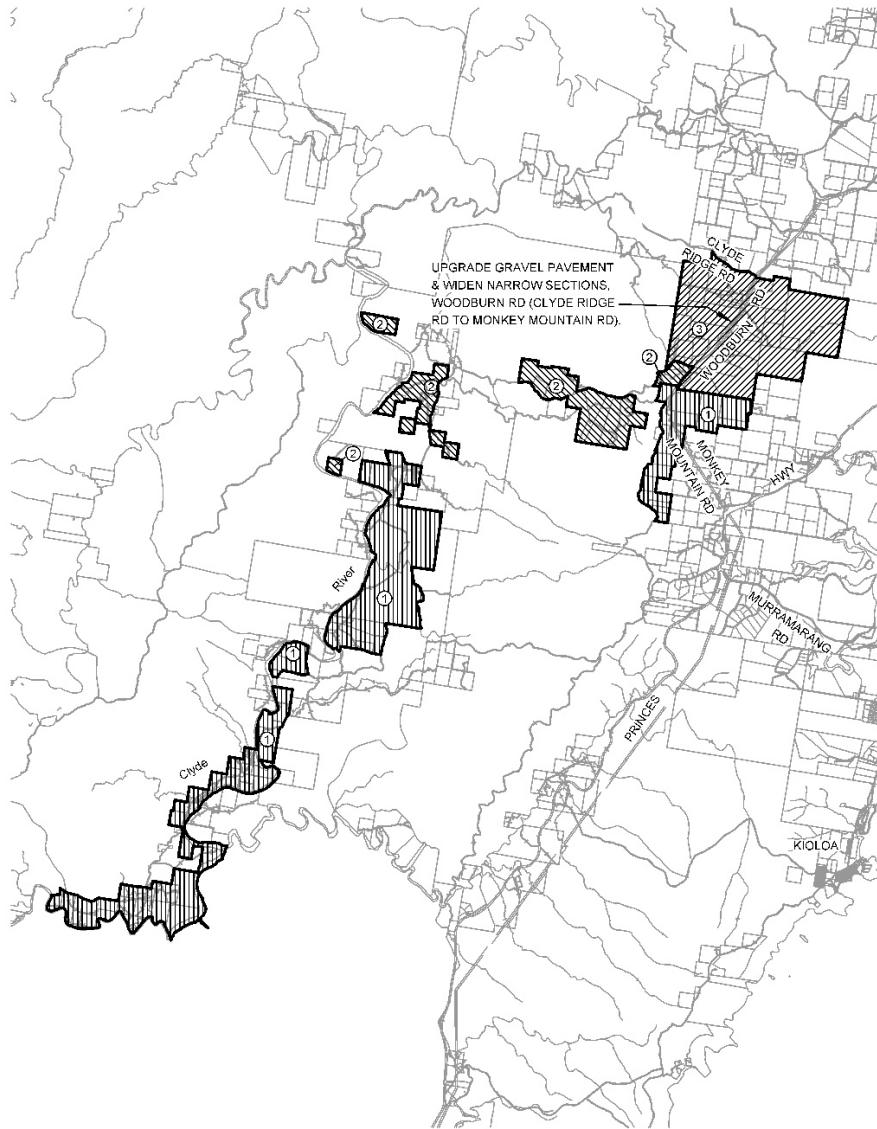


SHOALHAVEN CITY COUNCIL  
**DRAFT S94 CP2005**  
**ROADS**  
**AMENDMENT NO. 77**

FILE NO: 28709  
FACILITY: ROADS  
PROJECT: WOODBURN ROAD (WHEELBARROW RD .TO CLYDE  
RIDGE RD.), WOODBURN (R) - UPGRADE & SEAL

PROJECT NO.  
**05 ROAD 0040**





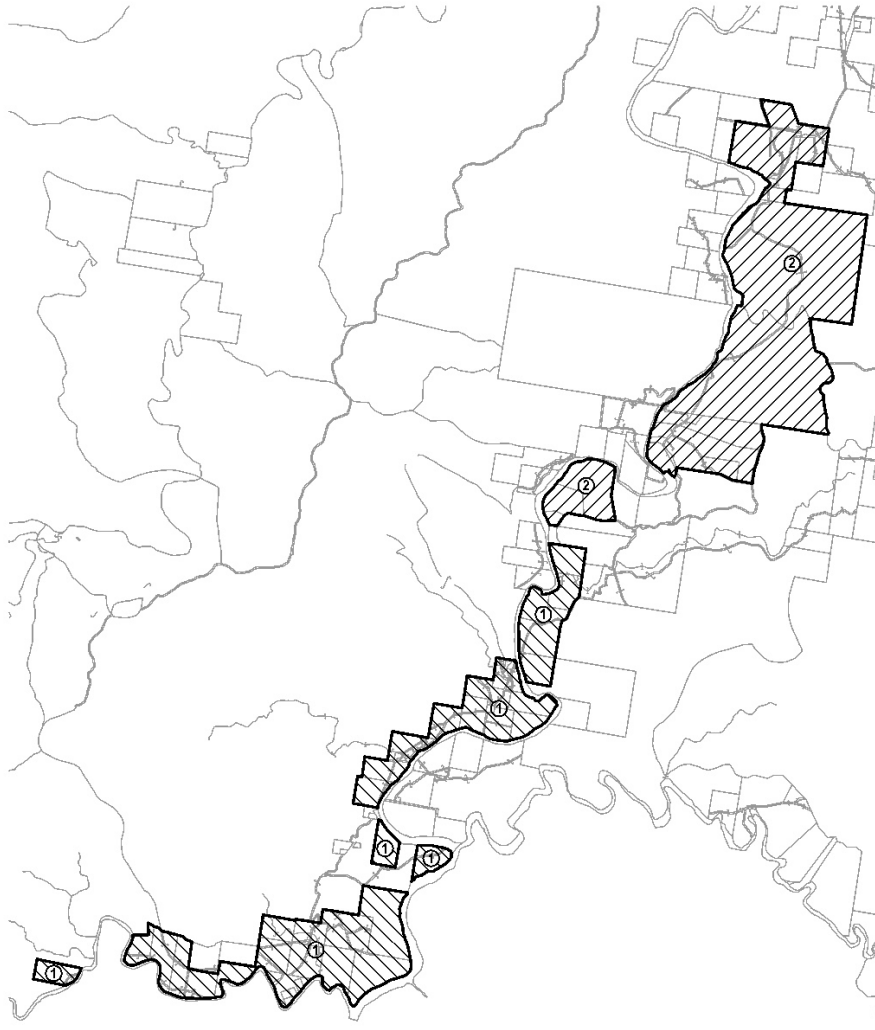
SHOALHAVEN CITY COUNCIL  
**DRAFT S94 CP2005**  
**ROADS**  
**AMENDMENT NO. 77**

FILE NO: 28709  
FACILITY: ROADS  
PROJECT: WOODBURN ROAD (CLYDE RIDGE ROAD TO MONKEY MOUNTAIN ROAD), WOODBURN - UPGRADE GRAVEL PAVEMENT & WIDEN NARROW SECTIONS.

PROJECT NO.  
**05 ROAD 0041**





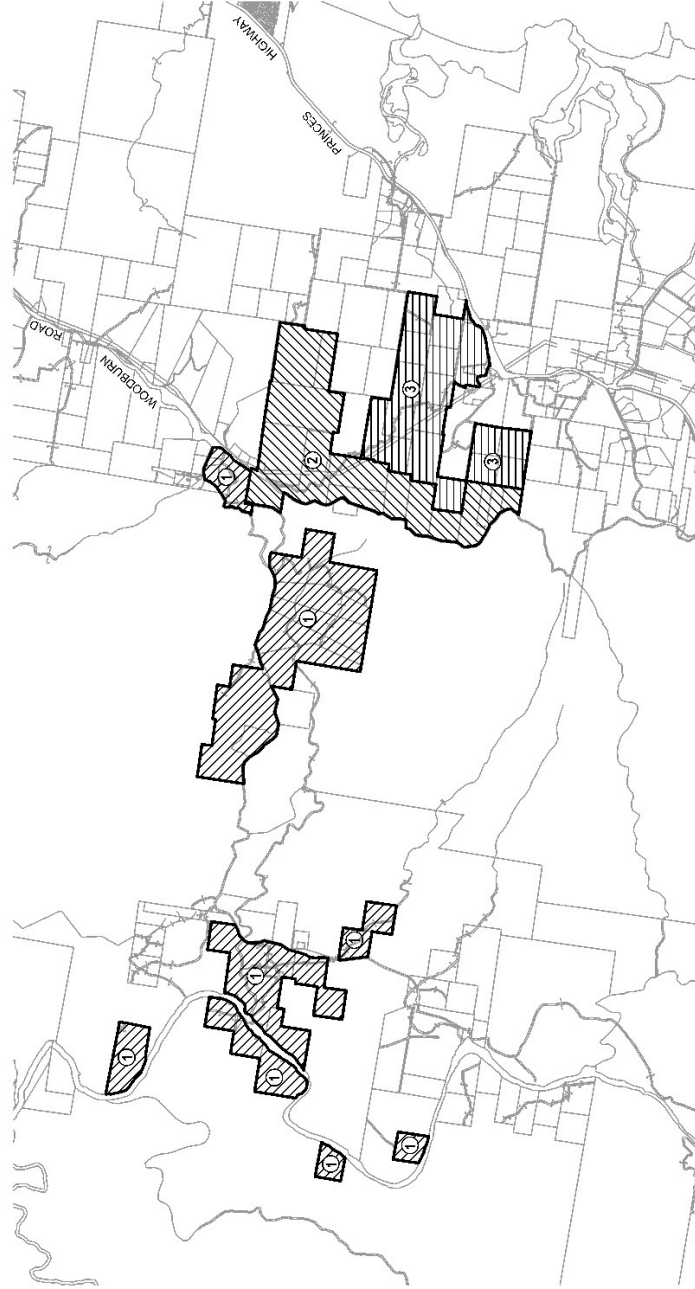


SHOALHAVEN CITY COUNCIL  
**DRAFT S94 CP2005**  
**ROADS**  
**AMENDMENT NO. 77**

FILE NO: 28709  
FACILITY: ROADS  
PROJECT: THE RIVER ROAD, SEAL PAVEMENT  
( MIDDLE RIDGE TO SHEEP TRACK )

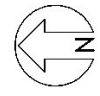
PROJECT NO.  
**05 ROAD 0043**



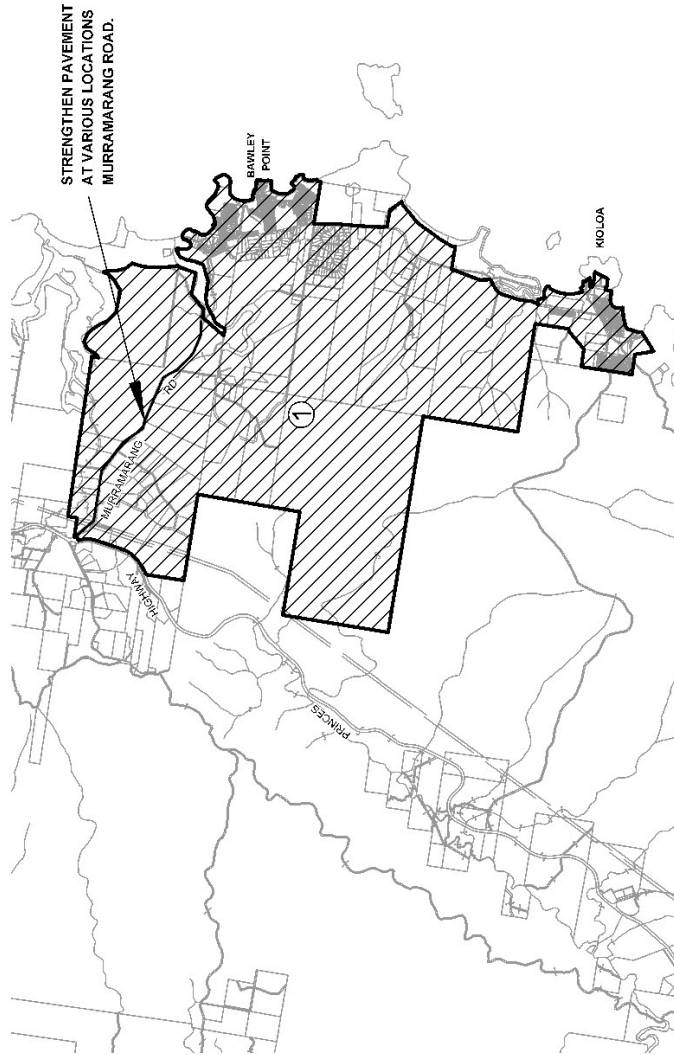


SHOALHAVEN CITY COUNCIL  
**DRAFT S94 CP2005  
ROADS  
AMENDMENT NO. 77**

FILE NO: 28709  
FACILITY: ROADS  
PROJECT: MONKEY MOUNTAIN ROAD, TERMEIL  
UPGRADE PAVEMENT FOR 5.5 km.



PROJECT NO.  
**05 ROAD 0045**



SHOALHAVEN CITY COUNCIL  
**DRAFT S94 CP2005  
ROADS  
AMENDMENT NO. 77**

FILE NO: 28709

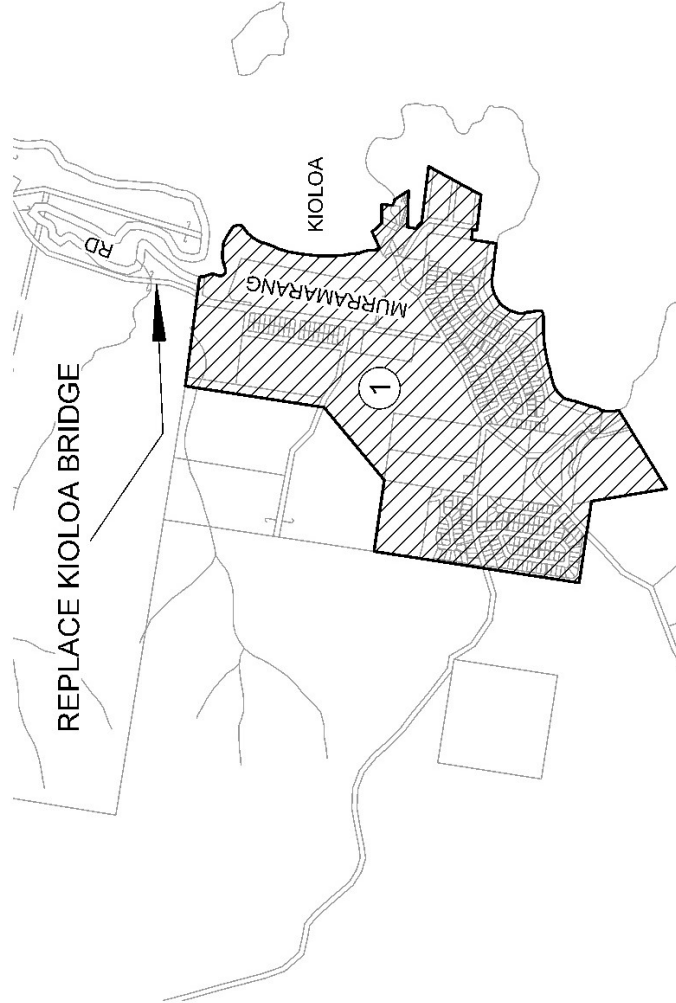
FACILITY: ROADS

PROJECT: MURRAMARANG ROAD (BETWEEN HWY & WILLINGA LAKE)  
BRAWLEY POINT - STRENGTHEN PAVEMENT AT VARIOUS LOCATIONS.



PROJECT NO.

**05 ROAD 0047**



SHOALHAVEN CITY COUNCIL  
**DRAFT S94 CP2005**  
**ROADS**  
**AMENDMENT NO. 77**

FILE NO: 28709  
FACILITY: ROADS  
PROJECT: MURRAMARANG ROAD, KIOLOA (R) - REPLACE KIOLOA BRIDGE



PROJECT NO.  
**05 ROAD 0048**

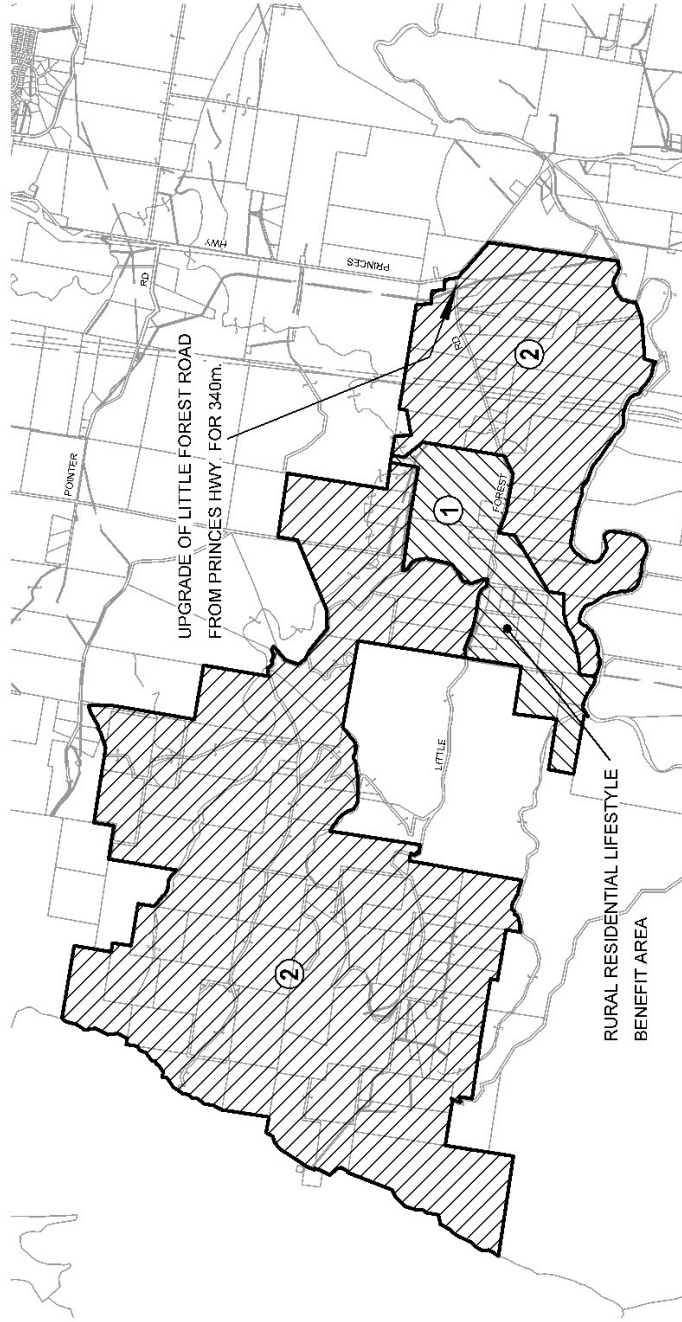


SHOALHAVEN CITY COUNCIL  
**DRAFT S94 CP2005  
ROADS  
AMENDMENT NO. 77**

FILE NO: 28709  
FACILITY: ROADS  
PROJECT: PARSON STREET AND HIGHWAY ROUNDABOUT ULLADULLA



PROJECT NO.  
**05 ROAD 0057**

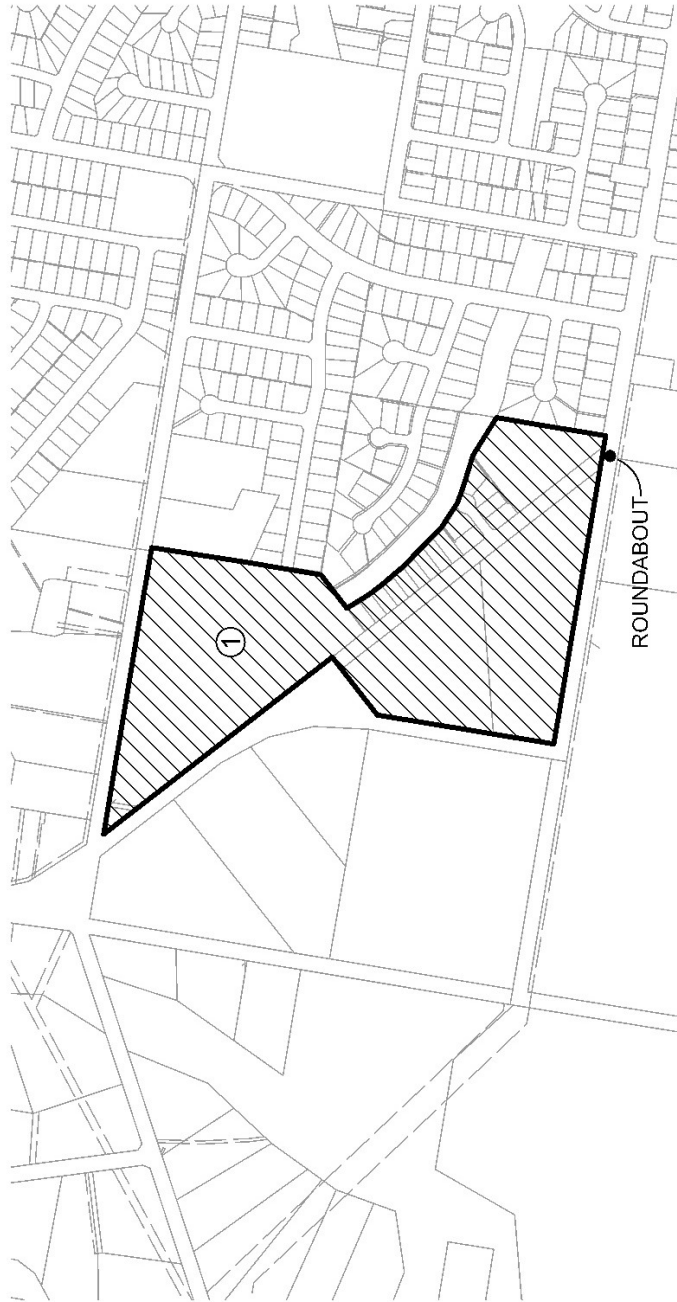


SHOALHAVEN CITY COUNCIL  
**DRAFT S94 CP2005**  
**ROADS**  
**AMENDMENT NO. 77**

FILE NO: 28709  
FACILITY: ROADS  
PROJECT: UPGRADE LITTLE FOREST ROAD, FROM HIGHWAY FOR 340m



PROJECT NO.  
**05 ROAD 0058**

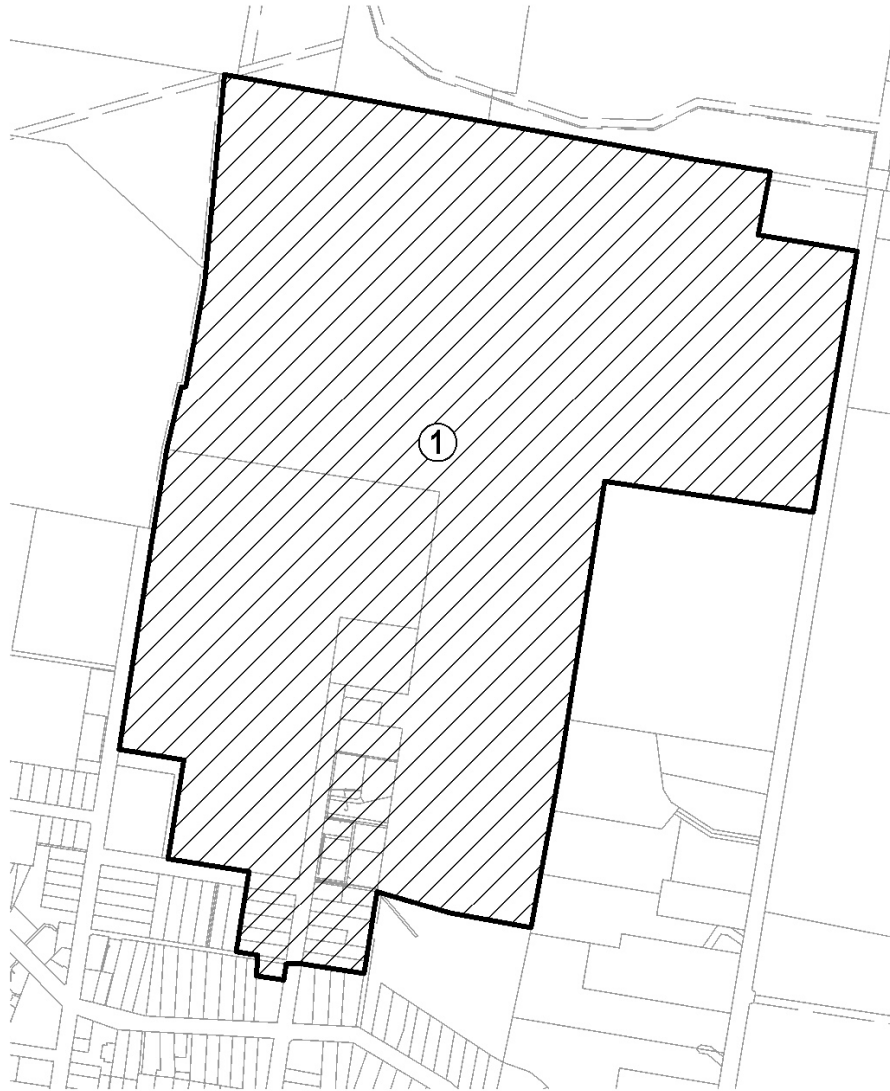


SHOALHAVEN CITY COUNCIL  
**DRAFT S94 CP2005**  
**ROADS**  
**AMENDMENT NO. 77**

FILE NO: 28709  
FACILITY: ROADS  
PROJECT: CASHMAN ROAD / GREEN STREET ULLADULLA - ROUNDABOUT



PROJECT NO.  
**05 ROAD 0059**



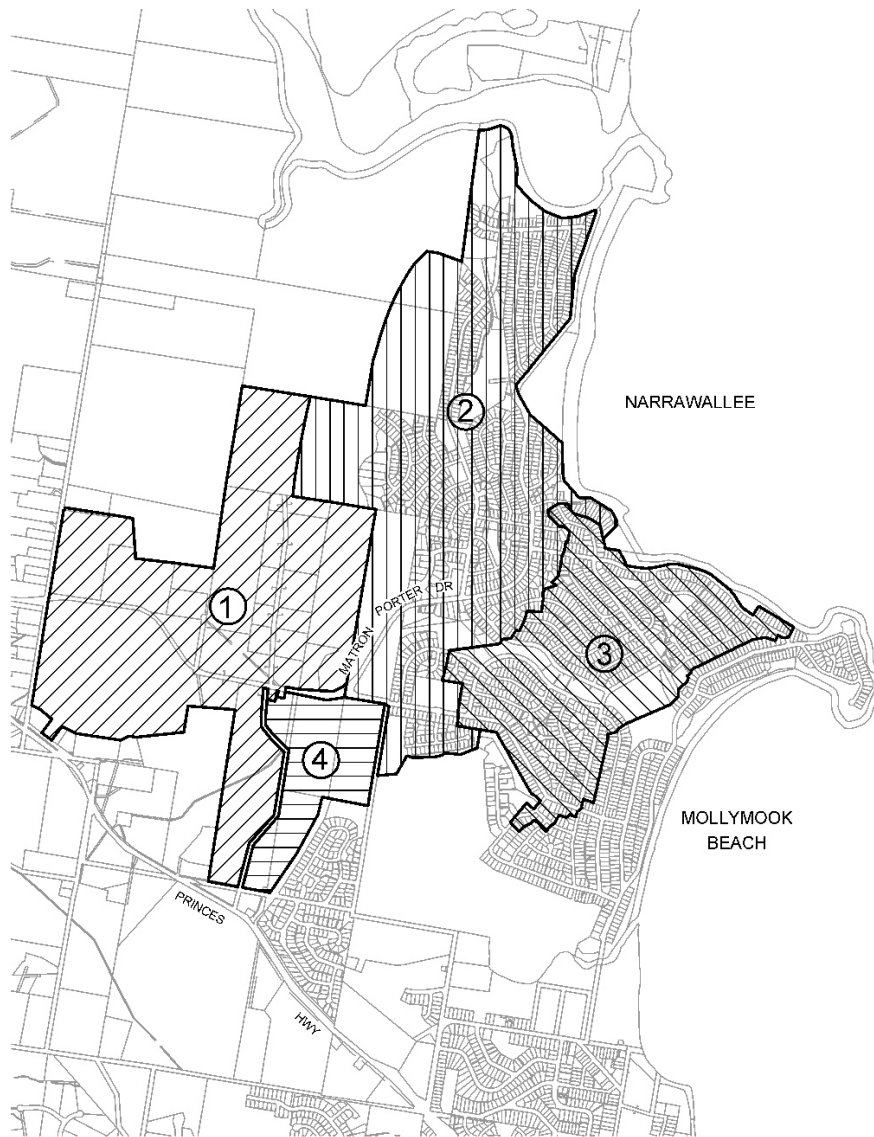
SHOALHAVEN CITY COUNCIL  
**DRAFT S94 CP2005**  
**ROADS**  
**AMENDMENT NO. 77**

FILE NO: 28709  
FACILITY: ROADS  
PROJECT: GORDON STREET, MILTON - UPGRADE & SEAL  
PAVEMENT FOR 230m NORTH OF GRAHAM STREET.

PROJECT NO.  
**05 ROAD 0060**







SHOALHAVEN CITY COUNCIL  
**DRAFT S94 CP2005**  
**ROADS**  
**AMENDMENT NO. 77**

FILE NO: 28709  
FACILITY: ROADS  
PROJECT: MATRON PORTER DRIVE, MOLLYMOOK

PROJECT NO.  
**05 ROAD 0061**

