

# **SNOWY RIVER DEVELOPMENT CONTRIBUTIONS PLAN 2008**

## **APPENDIX 9 SHARED PATHWAYS**

## **Acknowledgments**

This document was prepared following a review of the previous contributions plan as adopted by the Council on May 16 2006. The document was put together by Dr Colin Seaborn of SOS Initiatives Pty Ltd, overseen by Snowy River Shire Council ('SRSC') employees who are acknowledged below.

### **Other people who have played a role in its preparation include:**

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Details of facilities and cost estimates are based on information contained within the Jindabyne Shared Pathway and Bicycle Strategy as adopted by Council on 18 December 2001 and subsequently updated in December 2007 by SRSC employees.

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## **1 SUMMARY**

This document serves as an Appendix to 'Snowy River Development Contributions Plan 2008' and provides:

- (a) A summary of development contributions relating to the provision of shared pedestrian & bicycle pathways in Jindabyne and surrounding villages levied within the Snowy River Shire
- (b) A brief outline of the methodology used to assess and define the value of the contributions.

The structure of this appendix is as follows:

Immediately following this summary is a list of the catchment areas referred to in this appendix, followed by a table stating the contributions applicable within each catchment.

This is followed by a justification for the levying of contributions, a brief outline of the methodology adopted within this plan and details of the facilities for which the levy is being applied.

## **2 CATCHMENTS AND CONTRIBUTIONS TABLE**

### **2.1 LIST OF RELEVANT CATCHMENTS**

This appendix applies to the following catchments:

- Jindabyne
- East Jindabyne
- Alpine Sands/Willow Bay
- Tyrolean Village
- Kalkite

These catchments are defined in the maps in Part C of the overall 2008 Contributions Plan Document. This Appendix is an attachment to that document.

## 2.2 CONTRIBUTIONS TABLE

Type of Dwelling/ Premises	Equivalent Tenements (ET)	Unit of Measure for Contribution	Contributions Payable			
			Jindabyne	East Jindabyne, Willow Bay	Tyrolean Village	Kalkitee
Subdivision	1	lot	\$57	\$72	\$27	\$78
Dwellings - 1 bedroom	0.57	bedroom	\$32	\$41	\$15	\$44
Dwellings - 2 bedrooms	0.71	2 bedrooms	\$40	\$51	\$19	\$55
Dwellings - 3 or 4 bedrooms	1	3 or 4 bedrooms	\$57	\$72	\$27	\$78
Dwellings - > 4 bedrooms	1 plus 0.29 per extra bedroom >4	Base of 4 plus per extra b'r	\$57 plus \$17 per b/r > 4	\$72 plus \$21 per b/r > 4	\$27 plus \$8 per b/r > 4	\$78 plus \$23 per b/r > 4
Lodges, motels, B & B, holiday dwellings & similar	0.29 per room	room	\$17	\$21	\$8	\$23
Child Care Centres	1 per 20 children > 20	Per 20 children > 20	\$57	\$72	\$27	\$78
Educational Establishments	1 per 20 day students	20 day students	\$57	\$72	\$27	\$78
	1 per 6 boarders	6 boarders	\$57	\$72	\$27	\$78
Camping Grounds	0.29 per site	site	\$17	\$21	\$8	\$23
Tourism facilities	0.29 per motel type room or individual assessment	0.29 per motel type room or individual assessment	\$17	\$21	\$8	\$23

**Notes:**

These charges are based on the calculations in Schedule B.

A percentage discount is also used based on the proximity of the development to the pathway network itself. This discount is 25% where the subject development is between 5 and 10kms of the nearest section of the pathway network and is 50% where it is greater than 10kms from the nearest section.

Where development is on land that directly adjoins Lake Jindabyne upon which the pathway is proposed to be sited, Council will consider dedication of land as a contribution in lieu. The value of the contribution will be subject of a separate assessment.

The above contribution also includes an administration charge as calculated in Schedule C

When determining contributions payable for a particular development, consideration will be given to any contributions previously paid with respect to the subject land. Generally, development of an existing residential lot receives a credit towards development contributions otherwise payable, equivalent to the contributions payable on one lot. Principles for different types of development are outlined in section 2.14 of the overall Contributions Plan Document.

### **3 OUTLINE OF METHODOLOGY**

#### **3.1 INTRODUCTION**

This appendix contains the procedures for administration, assessment and settlement of contributions and accountability, as well as a schedule of the specific rates for contribution. The appendix also contains the methodology for determining the contribution rates and the manner and timing of expenditure of the funds collected.

Attached to the appendix are various supplementary documents, which provide further discussion of its operation and administration. Included in the attachments are worked examples of the manner in which contributions will be determined for certain types of development.

#### **3.2 TITLE**

This appendix is called “Snowy River Development Contributions Plan 2008 – Appendix 9: Jindabyne Area Shared Pathways”

#### **3.3 PURPOSE**

The purpose of this appendix is to permit Council to levy contributions pursuant to Section 94, Environmental Planning and Assessment Act, 1979 for the provision of shared pedestrian & bicycle pathways in Jindabyne and surrounding villages levied within the Snowy River Shire.

#### **3.4 AIMS AND OBJECTIVES**

- (a) to enable the Council to require as a condition of development consent contribution or dedication towards the provision of shared pedestrian & bicycle pathways in Jindabyne and surrounding villages to promote health and safety within the community, reduce dependence on motor transport and provide pedestrian connectivity between urban areas of the town;
- (b) to enable the Council to recoup funds which it has spent in the provision of shared pedestrian & bicycle pathways in Jindabyne and surrounding villages in anticipation of development; and
- (c) to ensure that the existing community is not burdened by the provision of shared pedestrian & bicycle pathways in Jindabyne and surrounding villages required as a result of future development.

#### **3.5 DEFINITIONS**

This appendix adopts the definitions contained in the overall 2008 Contributions Plan.

#### **3.6 THE LAND TO WHICH THIS PLAN APPLIES**

This appendix applies to all that land that is within the catchments listed in section 2.1 of this document.

### 3.7 NEXUS

An increase in the Shire's population and development creates additional demand for Council provided services and facilities which should be met by the incoming population resulting from increases in density as well as new development or redevelopment. All development that results in an increase in demand for the provision of shared pedestrian & bicycle pathways in Jindabyne and surrounding villages including urban and rural subdivision, residential and rural housing, tourist accommodation and education establishments will be levied to meet these increased demands.

For Council to be able to levy a contribution as a condition of development consent, the contribution must be assessed in accordance with this appendix. This appendix establishes the nexus between the expected types of development in that area and the demand for the provision of shared pedestrian & bicycle pathways in Jindabyne and surrounding villages. In this appendix, nexus is demonstrated in the following terms:

**Causal** - the need for the facility or service must be a direct result of the development being levied:

A detailed Shared Pathway Strategy to recommend the provision of additional facilities for safe cycling within Jindabyne, Kalkite, Tyrolean and East Jindabyne was adopted by Council on 18 December 2001. This strategy, which was developed after community consultation as well as research and surveys identified a network of pathway facilities to be developed over a period of up to 10 years. Schedule A summarises the costs for the proposed pathway strategy. This summary is based on the detailed listing of proposed facilities and costs in Schedule D while Maps showing these pathways are included in Schedule E.

Growth assessments for the relevant catchments (Jindabyne, East Jindabyne, Alpine Sands/Willow Bay, Kalkite and Tyrolean Village) are outlined in Schedule B. This pathway strategy will benefit both existing and future developments so the costs are apportioned between the two.

**Spatial** - the service or facility must be near enough in physical terms to provide benefit to the development:

Contributions are calculated for pathways in each particular catchment. Where a development is between 5 & 10 km of the nearest section of pathway it will receive a discount of 25% and 50% if greater than 10 km.

**Temporal** - the service or facility must be provided within a period of time to be of benefit to the development:

The Shared Pathway Strategy indicated that it could be completed within 6 years from adoption. Even if this period is extended, this Contributions Plan takes a conservative approach in that it takes into account development growth over 20 years.

Where development is on land that directly adjoins Lake Jindabyne upon which the pathway is proposed to be sited, Council will consider dedication of land as a contribution in lieu. The value of the contribution will be subject of a separate assessment.

### 3.8 CALCULATION OF BASE CONTRIBUTION RATES

The formula adopted for calculation of contribution rates in each catchment in Schedule B is as follows:

$$R = \frac{(E \times Y - B)}{N} + S$$

Where

- R Base Contributions rate payable per Equivalent Tenement (ET)
- E Cost of Facilities for the catchment from Schedule A
- N No of additional ETs in a catchment from 2008/09 to 2017/18
- B Balance in Shared Pathways section 94 account estimated as at June 30, 2008
- Y Proportion of cost to be met by new development over the next 10 years (see calculation process below)
- S Study cost per ET – as calculated in Schedule C

### 3.9 APPORTIONMENT

Where the existing population will benefit from new amenities and services provided the cost of providing those amenities and services will be apportioned between Section 94 funds and other monies of Council. Apportionment rates are included, in the formula for contribution rates.

### 3.10 OCCUPANCY RATES

Based on the 1996 Census information and for the purposes of this Plan, the following occupancy rates and Equivalent Persons (EP) figures are adopted:

Dwelling Size	Occupancy Rates (persons) and assumed Equivalent Persons (EP)	Equivalent Tenements (ETs) assumed in these Calculations
One bedroom dwelling	1.6	0.57
Two bedroom dwelling	2.0	0.71
Three/Four bedroom dwelling	2.8 – 3.6	1
More than four bedroom dwelling	3.2 plus 0.8 per bedroom greater than 4	1 plus 0.29 per bedroom greater than 4

Assumptions related to other types of development are provided in schedule B.

### **3.11 REVIEW OF CONTRIBUTION RATES**

To ensure that the value of contributions reflect the costs associated with the provision of public services and facilities, the Council will review the Plan (and appendices), and amend the contribution rates on the following basis:

- ▶ The contribution rates will be reviewed at July 1 each year by reference to the Canberra All Groups Index for the previous calendar year (January to December), excluding the impact of the GST.
- ▶ Annual review of completed works and amendment of schedules as necessary
- ▶ Major reviews and repeal of Plan when required.

### **3.12 METHOD AND TIMING OF PAYMENT**

A contribution is payable:

- ▶ in the case of a consent to development being subdivision – before the issue of a Subdivision Certificate to the applicant;
- ▶ in the case of a consent to development where a construction certificate is required – before the issue of a construction certificate to the applicant;
- ▶ in the case of Complying development under Division 3 of Part 4 of the Act, - prior to commencement of works;
- ▶ in the case of a consent to any other development – before development is commenced

### **3.13 PUBLIC AVAILABILITY OF FINANCIAL INFORMATION**

In accordance with Clause 36(1), Environmental Planning and Assessment Regulation, 1980, copies of the following are available for inspection free of charge at Council during office hours.

- ▶ A copy of the Section 94 Contributions Plan
- ▶ The contributions register
- ▶ An annual financial statement at the end of each financial year

### **3.14 SAVINGS AND TRANSITIONAL ARRANGEMENTS**

A development application that is submitted after the adoption of this Plan shall be assessed in accordance with the provisions of this Plan.

A development application that has been submitted prior to the adoption of this Plan but not determined shall be assessed in accordance with this Plan.

Developer contributions payable by way of a condition of a condition of consent of a development application that has been determined prior to the adoption of this Plan but for which that condition has not been satisfied shall be levied contributions in accordance with the provisions of this Plan.

## 4 SCHEDULES

### SCHEDULE A – COSTINGS OF WORKS

The total cost of works for stage 1 of the pathway networks in all catchments has been determined from details provided in the Jindabyne Shared Pathway Strategy – Stage 1 as adopted by Council on the 18 December 2001.

These detailed descriptions and estimated costs of works are shown in Schedule D, while maps outlining the pathways for each catchment are in Schedule E.

From Schedule D, these costs have been calculated to total \$876,129 as at November 2007 and are outlined for the relevant catchments in the table below. These costs have escalated to June 30, 2008 costs by a factor of 1.015.

<b>Catchment</b>	<b>Value of Works as at end November 2007</b>	<b>Value of Works as at June 30, 2008</b>
Jindabyne	<b>\$646,289</b>	<b>\$655,983</b>
East Jindabyne and Willow Bay	<b>\$118,010</b>	<b>\$119,780</b>
Tyrolean Village	<b>\$14,570</b>	<b>\$14,789</b>
Kalkite	<b>\$97,260</b>	<b>\$98,719</b>
Total	<b>\$876,129</b>	<b>\$889,271</b>

## SCHEDULE B – CALCULATION OF CONTRIBUTION RATES

The formula adopted for calculation of rates in a catchment is as follows:

$$R = \frac{(E \times Y - B)}{N} + S$$

Where

- R** Base Contributions rate payable per Equivalent Tenement (ET)  
**E** Cost of Facilities for the catchment from Schedule A  
**N** No of additional ETs in a catchment from 2008/09 to 2017/18  
**B** Balance in Shared Pathways section 94 account estimated as at June 30, 2008 (\$68502 – apportioned across catchments)  
**Y** proportion of cost to be met by new development over the next 10 years (see calculation process below)  
**S** study cost per ET (\$13.77) – as calculated in Schedule C

Calculation of Equivalent Tenements (ET)

For the basis of these growth assumptions see Part C of the overall Contributions Plan Document.

Catchment	ETs at June 2007	Additional ETs over next twenty years	Number of ETs after twenty years	Proportion Of New ET compared to total ET
Jindabyne	2954	1002	3956	0.253
East Jindabyne	263	60	323	0.186
Alpine Sands/Willow Bay	116	225	341	0.660
Tyrolean Village	183	68	251	0.271
Kalkite	179	50	229	0.218
<b>Totals – ET</b>	3695	1305		

The proportion of works to be funded by section 94 contributions is calculated as follows:

- ▶ 50% of funds to be provided by RTA as indicated in Jindabyne Shared Pathway Strategy Stage 1. Therefore cost of facilities (E) factored by 0.5 in calculation.
- ▶ Proportion of Developer Contributions calculated as:  
Y = New ETs/(existing + new ETs) for Catchment.  
For example, for Jindabyne - Y = 500/(500 + 2954) = 0.145
- ▶ Balance in Shared Pathways Account (\$68502) for each catchment apportioned according to the number of ET in each catchment as per the following table

<b>Catchment</b>	<b>Value of Works</b>	<b>Proportion of Works</b>	<b>Apportioned balance in Shared Pathways account</b>
Jindabyne	<b>\$655,983</b>	0.738	\$50,531
East Jindabyne and Willow Bay	<b>\$119,780</b>	0.135	\$9,227
Tyrolean Village	<b>\$14,789</b>	0.017	\$1,139
Kalkite	<b>\$98,719</b>	0.111	\$7,604
<b>Total</b>	<b>\$889,271</b>		<b>\$68502</b>

#### **Jindabyne Catchment**

$$R = \frac{(E \times Y - B)}{N} + S$$

$$R = \frac{\$(655,983 \times 0.5 \times .253 - 50531)}{1002} + \text{study cost/ET} = \$32.39 + \$14.56/\text{ET} = \$56.95$$

#### **East Jindabyne and Willow Bay Catchments**

$$R = \frac{\$(119,780 \times 0.5 \times .429 - 9227)}{285} + \text{study cost/ET} = \$57.77 + \$14.56/\text{ET} = \$72.33$$

#### **Tyrolean Village Catchment**

$$R = \frac{\$(14789 \times 0.5 \times .271 - 1139)}{68} + \text{study cost/ET} = \$12.72 + \$14.56/\text{ET} = \$27.28$$

#### **Kalkite Catchment**

$$R = \frac{\$(98719 \times 0.5 \times 0.218 - 7604)}{50} + \text{study cost/ET} = \$63.13 + \$14.56 / \text{ET} = \$77.69$$

The recommended rates for various development categories are provided in the following table

Type of Dwelling/ Premises	Equivalent Tenements (ET)	Unit of Measure for Contribution	Contributions Payable			
			Jindabyne	East Jindabyne, Alpine Sands, Willow Bay	Tyrolean Village	Kalkite
Subdivision	1	lot	\$57	\$72	\$27	\$78
Dwellings - 1 bedroom	0.57	bedroom	\$32	\$41	\$15	\$44
Dwellings - 2 bedrooms	0.71	2 bedrooms	\$40	\$51	\$19	\$55
Dwellings - 3 or 4 bedrooms	1	3 or 4 bedrooms	\$57	\$72	\$27	\$78
Dwellings - > 4 bedrooms	1 plus 0.29 per extra bedroom >4	Base of 4 plus per extra b'r	\$57 plus \$17 per b/r > 4	\$72 plus \$21 per b/r > 4	\$27 plus \$8 per b/r > 4	\$78 plus \$23 per b/r > 4
Lodges, motels, B & B, holiday dwellings & similar	0.29 per room	room	\$17	\$21	\$8	\$23
Child Care Centres	1 per 20 children > 20	Per 20 children > 20	\$57	\$72	\$27	\$78
Educational Establishments	1 per 20 day students	20 day students	\$57	\$72	\$27	\$78
	1 per 6 boarders	6 boarders	\$57	\$72	\$27	\$78
Camping Grounds	0.29 per site	site	\$17	\$21	\$8	\$23
Tourism facilities	0.29 per motel type room or individual assessment	0.29 per motel type room or individual assessment	\$17	\$21	\$8	\$23

## **SCHEDULE C – PREPARATION AND REVIEW OF CONTRIBUTIONS PLAN**

In order to establish the contribution rates under this plan, the Council has had to undertake a contribution study over the whole Council area. The capital costs of this study were required in order to identify the types of public facilities for which a contribution may be made, the extent of the benefiting population, the cost of the required facilities, the proportion which may be "reasonably" levied as a Section 94 contribution, the actual contribution rates and the preparation of the implementation schedules. These works and cost incurred are outside the work normally undertaken by Council's Environmental Services Department. It is therefore reasonable to seek the recoupment of these costs.

To cover the capital cost of this study and any additional studies undertaken in the future, it is reasonable for the Council to levy charges from developers under Section 94. The cost of future contribution plans, prepared in response to particular developments, should be recouped from the specific area.

Base Contribution Calculation per Equivalent Tenement

$$= \frac{C + R}{N}$$

$$= \frac{\$7000 + \$12,000}{1305}$$

$$= \$14.56 \text{ per ET}$$

Where

C = Cost of 2005 study (\$5000) and current 2008 study (\$2000)

R = Cost of updates during period 2008/09 – 2017/18 (\$12000 being 9 annual updates at a cost of \$1000 / yr to update CPI & other factors plus a full review of this plan after 5 years @ \$3000)

N = Estimated number of Equivalent Tenements (as calculated in Schedule B) created over next 20 years

## SCHEDULE D – OUTLINE OF PATHWAYS PROGRAM AND DECEMBER 2007 COSTS

Village	Road	Intersection	Length (m)	Type	Recommendation for both Sides	Cost Option 1	Cost Option 2 where applicable	Scheduled Completion Date
Jindabyne	Cobbon Cres	Banjo Paterson Cr to Townsend St	709	on-road	linemarking	\$1000		2010
Jindabyne	Cobbon Cres	Banjo Paterson Cr to Townsend St	709	on-road	12 logos	\$2,200		2010
Jindabyne	Cobbon Cres	Banjo Paterson Cr to Townsend St	709	on-road	Erect 6 signposts	\$1,500		2010
Jindabyne	Cobbon Cres	near Townsend St to dirt road			Erect 4 signs and Signpost as route to Dam Wall for Mountain Bikes	\$1200		2010
Jindabyne	Existing Cycleway	entire section			trim overhanging tree limbs and remove bollards	\$8000		2008
Jindabyne	Barry Way	Snowy Mountains Grammar School			refuge crossing	\$5,900		2010
Jindabyne	Old Town Centre	Kosciuszko Rd			refuge crossing	\$5,900		2010
Jindabyne	Nuggets Crossing	Kosciuszko Rd			refuge crossing	\$5,900		2010
Jindabyne	Banjo Paterson Cres	Cobbon Cr to Kosciuszko Rd	886.8	on-road	Erect 8 signposts	\$1,950		2010
Jindabyne	Banjo Paterson Cres	Cobbon Cr to Kosciuszko Rd	886.8	on-road	12 logos	\$2,200		2010
Jindabyne	Munyang St	Park Rd to Kosciuszko Rd (e side of Kosciuszko Rd)	390.5	on-road	10 logos	\$1,800		2010
Jindabyne	Munyang St	Park Rd to Kosciuszko Rd (e side of Kosciuszko Rd)	390.5	on-road	linemarking	\$450		2010
Jindabyne	Munyang St	Park Rd to Kosciuszko Rd (e side of Kosciuszko Rd)	390.5	on-road	Erect 2 signposts	\$520		2008
Jindabyne	Townsend Cres	Banjo Paterson Cr to Cobbon Cr	778.3	on-road	linemarking	\$900		2008
Jindabyne	Townsend Cres	Banjo Paterson Cr to Cobbon Cr	778.3	on-road	6 logos	\$1000		2010

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Appendix 9 – Jindabyne Area Shared Pathways

Village	Road	Intersection	Length (m)	Type	Recommendation for both Sides	Cost Option 1	Cost Option 2 where applicable	Scheduled Completion Date
Jindabyne	Townsend Cres	Banjo Paterson Cr to Cobbon Cr	778.3	on-road	Erect 6 signposts	\$1,500		2010
Jindabyne	Gippsland St	Munyang St to Park Rd	1808.4	on-road	linemarking	\$2,200		2008
Jindabyne	Gippsland St	Munyang St to Park Rd	1808.4	on-road	26 logos	\$4,500		2010
Jindabyne	Gippsland St	Munyang St to Park Rd	1808.4	on-road	Erect 14 signposts	\$3,900		2010
Jindabyne	Gippsland St	near 88			Erect signposting directing to fence and mountain bike ride to dam wall	\$420		2010
Jindabyne	Kurrajong St	Bent St to Park Rd	99.75	on-road	linemarking	\$200		2008
Jindabyne	Kurrajong St	Bent St to Park Rd	99.75	on-road	4 logos	\$800		2010
Jindabyne	Kurrajong St	Bent St to Park Rd	99.75	on-road	Erect 2 signposts	\$600		2010
Jindabyne	Park Rd	Sportsground entrance (DP 238614 to Thredbo Tce	623.7	on-road	linemarking	\$800		2008
Jindabyne	Park Rd	Sportsground entrance (DP 238614 to Thredbo Tce	623.7	on-road	10 logos	\$1,800		2010
Jindabyne	Park Rd	Sportsground entrance (DP 238614 to Thredbo Tce	623.7	on-road	Erect 6 signposts	\$1,500		2010
Jindabyne	Park Rd	Barry Way to Sportsground entry	283	on-road	linemarking	\$450		2008
Jindabyne	Park Rd	Barry Way to Sportsground entry	283	on-road	5 logos	\$890		2010
Jindabyne	Park Rd	Barry Way to Sportsground entry	283	on-road	Erect 2 signposts	\$500		2010
Jindabyne	Bent St	Kurrajong St to childcare	66.5	on-road	2 logos	\$700		2010
Jindabyne	Bent St	Kurrajong St to childcare	66.5	on-road	linemarking	\$100		2008
Jindabyne	Thredbo Tce	Kosciuszko Rd to Snowy River Ave	329.5	on-road	linemarking	\$450		2008
Jindabyne	Thredbo Tce	Kosciuszko Rd to Snowy River Ave	329.5	on-road	8 logos	\$1,500		2008
Jindabyne	Snowy River Ave	Kalkite St to Thredbo Tce	303.8	on-road	linemarking	\$450		2008
Jindabyne	Snowy River Ave	Kalkite St to Thredbo Tce	303.8	on-road	6 logos	\$1200		2010

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Appendix 9 – Jindabyne Area Shared Pathways

Village	Road	Intersection	Length (m)	Type	Recommendation for both Sides	Cost Option 1	Cost Option 2 where applicable	Scheduled Completion Date
Jindabyne	Snowy River Ave	Kalkite St to Thredbo Tce	303.8	on-road	Erect 2 signposts	\$600		2010
Jindabyne	Sportsground path	Park Rd e to Park Rd w (Including Kirwan)	199.5	off-road	construct path 2.5m wide local material	\$25,600		2012
Jindabyne	Barry Way path	Close connection) Kosciuszko Rd to Park Rd	482	off-road	construct path 2.5m wide local material	\$56,000		2012
Jindabyne	Kosciuszko Rd path	SP 36808 to Barry Way southern side	914.37	off-road	construct path 2.5m wide concrete	\$170,000	<b>\$ 91,437</b>	2013
Jindabyne	Kalkite St Path	Park Rd to Kosciuszko Rd	221.7	off-road	construct path 2.5m wide concrete	\$42500	<b>\$ 22,170</b>	2012
Jindabyne	Kalkite St Path	Kosciuszko Rd to existing path	70	off-road	install crossing at Kalkite St l/s Kosciuszko Rd	\$6,200		2009
Jindabyne	Kalkite St Path	Kosciuszko Rd to existing path	70	off-road	construct path 2.5m wide concrete	\$13,100	<b>\$ 7,000</b>	2009
Jindabyne	Park Rd Path	Thredbo Terrace to Bogong St	515	off-road	along existing northern side path widen existing path	\$125,200	<b>\$ 51,500</b>	2013
Jindabyne	Kosciuszko Rd path	Gippsland St to Thredbo Tce	565	off-road	construct path 2.5m wide concrete	\$110,500	<b>\$ 56,500</b>	2013
Jindabyne	Kosciuszko Rd path	Banjo Paterson Cres through open space or Munyang St	282.6	off-road	construct path 2.5m wide concrete	\$62,000	<b>\$ 28,260</b>	2013
Jindabyne	Bowling Club	from the Lakeside where existing path to link with Banjo Paterson Cres needs neg	199.5	off-road	construct path 2.5m wide local material	\$23,500		2012
Jindabyne	Kosciuszko Rd path	shopping centre link nuggets crossing from Thredbo Tce along past 31 and 32 Kosciuszko Rd southern side to l/s number 2 shown on map as A	199.5	off-road	construct path 2.5m wide concrete	\$38,500	<b>\$ 19,950</b>	2013
Jindabyne	Nuggets Crossing Shopping				Replace existing racks with Bicycle	\$1200		2010

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Appendix 9 – Jindabyne Area Shared Pathways

Village	Road	Intersection	Length (m)	Type	Recommendation for both Sides	Cost Option 1	Cost Option 2 where applicable	Scheduled Completion Date
	Centre				Parking 6 U rails			
Jindabyne	Old Town Centre				Bicycle Parking 6 U rails	\$1200		2010
Jindabyne	Snowy Shire Council Office				Bicycle Parking 6 U rails	\$1200		2009
Jindabyne	Post Office				Bicycle Parking 6 U rails	\$1200		2009
Jindabyne	Near Snowline Caravan Park along cycleway				Bicycle Parking 6 U rails	\$1200		2010
Jindabyne	Bowling Club	Existing Cycleway at beginning of cycleway			Bicycle Parking 6 U rails	\$1200		2010
Jindabyne	Lake Foreshore			Off road	2.5m path – scoping study for connection of Jindabyne to Kalkite	\$43,000		2013
					<b>Total</b>	<b>\$788,780</b>		
Tyrolean	Rainbow Drv	Jindabyne Rd to DP589260	345	on-road	linemarking	\$550		2010
Tyrolean	Rainbow Drv	Jindabyne Rd to DP589260	345	on-road	6 logos	\$620		2010
Tyrolean	Rainbow Drv	Jindabyne Rd to DP589260	345	on-road	Erect 2 signposts	\$510		2010
Tyrolean	Adams Ave	Rainbow to Foreshore area	253	on-road	linemarking	\$390		2010
Tyrolean	Adams Ave	Rainbow to Foreshore area	253	on-road	2 logos	\$390		2010
Tyrolean	Adams Ave	Rainbow to Foreshore area	253	on-road	Erect 2 signposts	\$610		2010
Tyrolean	Foreshore link	from the I/s of Rainbow Drive along the foreshore to link with East Jindabyne			Undertake detailed survey	\$11,500		2013
					<b>Total</b>	<b>\$14,570</b>		

Snowy River Shire Contributions Plan  
Appendix 9 – Jindabyne Area Shared Pathways

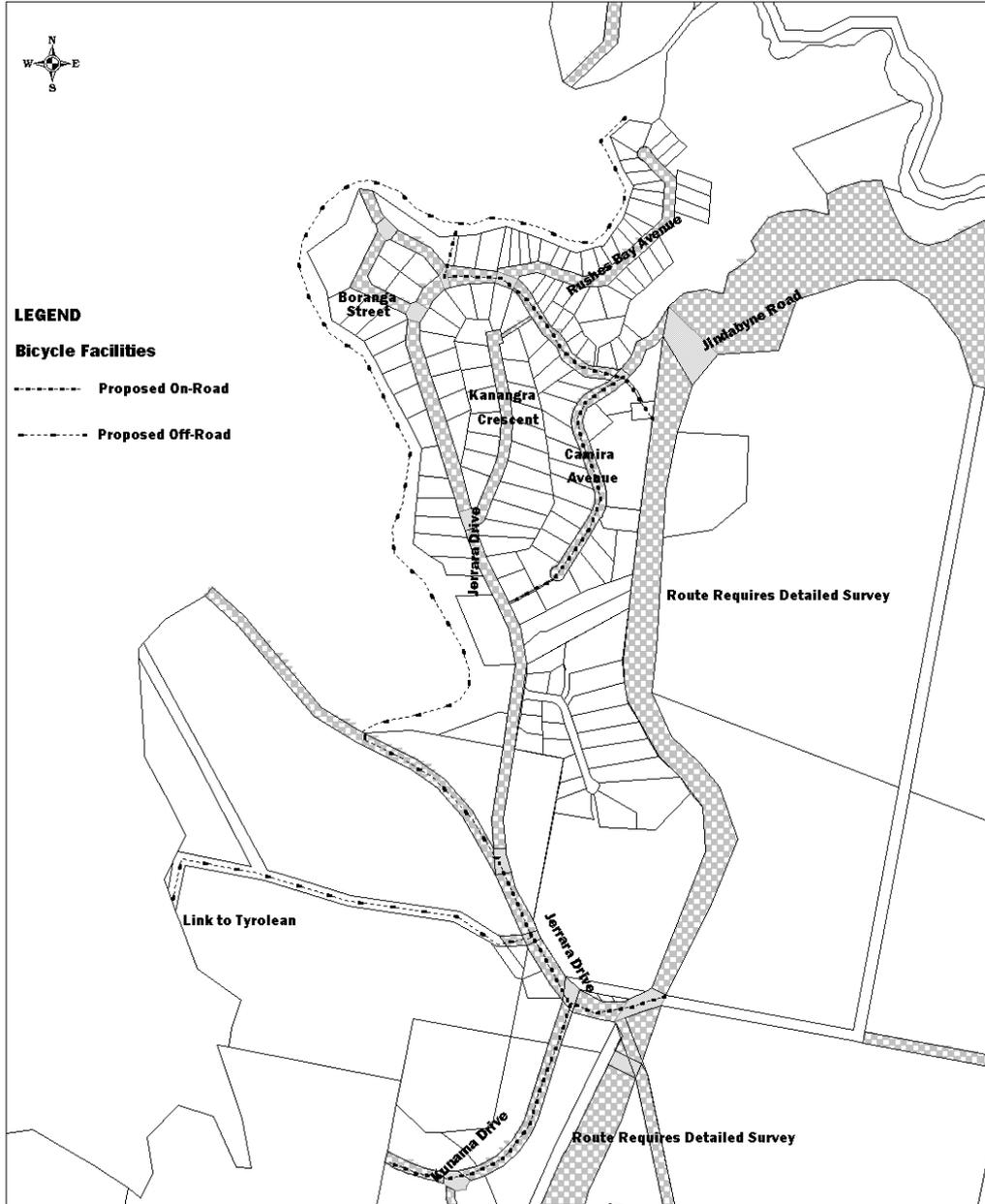
Village	Road	Intersection	Length (m)	Type	Recommendation for both Sides	Cost Option 1	Cost Option 2 where applicable	Scheduled Completion Date
East Jindabyne	Jindabyne Rd	from Camira Ave to Jerrara Rd			Undertake detailed survey	\$10,200		2013
East Jindabyne	Jerrara Drv	Kosciuszko Rd to Camira Ave	1882	on-road	linemarking	\$2200		2010
East Jindabyne	Jerrara Drv	Kosciuszko Rd to Camira Ave	1882	on-road	16 logos	\$2,800		2010
East Jindabyne	Jerrara Drv	Kosciuszko Rd to Camira Ave	1882	on-road	Erect 12 signposts	\$3,100		2010
East Jindabyne	Camira Ave	Jerrara Drv to Cul de Sac	658.2	on-road	linemarking	\$910		2010
East Jindabyne	Camira Ave	Jerrara Drv to Cul de Sac	658.2	on-road	8 logos	\$1,300		2010
East Jindabyne	Camira Ave	Jerrara Drv to Cul de Sac	658.2	on-road	Erect 6 signposts	\$1,700		2010
East Jindabyne	Camira Ave	link to Jindabyne Road	20	off-road	construct path concrete 2m wide	\$2,350		2012
East Jindabyne	Rushes Bay Ave	Jerrara Drv to Cul de Sac	572.6	on-road	linemarking	\$950		2010
East Jindabyne	Rushes Bay Ave	Jerrara Drv to Cul de Sac	572.6	on-road	8 logos	\$1,450		2010
East Jindabyne	Rushes Bay Ave	Jerrara Drv to Cul de Sac	572.6	on-road	Erect 4 signposts	\$1050		2010
East Jindabyne	Kunama Drv	Jerrara Drv to link with Alpine Sands	522	off-road	construct path 2.5m wide local material	\$59,500		2013
East Jindabyne	Pathway to Rushes Bay				detailed survey	\$11500		2013
East Jindabyne	Pathway to Tyrolean				detailed survey	\$19000		2013
					<b>Total</b>	<b>\$118,010</b>		
Kalkite	Foreshore	Entire Section		Off road	Construct 2.5m path	\$32,600		2013
Kalkite	Connection to playground from Kalkite Rd		130	Off road	Construct 2.5m path	\$19,500		2013
Kalkite	Magnolia Ave	entire section	162	off-road	construct 2.5m path in concrete	\$32,000	<b>\$ 16,200</b>	2013
Kalkite	Rosemary	entire section	58.9	on-road	linemarking	\$100		2009
Kalkite	Rosemary	entire section	58.9	on-road	2 logos	\$410		2009
Kalkite	Rosemary	entire section	58.9	on-road	Erect 2 signposts	\$550		2009
Kalkite	Oleander Circ	entire section	59.4	on-road	2 logos	\$400		2009

Snowy River Shire Contributions Plan  
Appendix 9 – Jindabyne Area Shared Pathways

Village	Road	Intersection	Length (m)	Type	Recommendation for both Sides	Cost Option 1	Cost Option 2 where applicable	Scheduled Completion Date
Kalkite	Oleander Circ	entire section	59.4	on-road	linemarking	\$100		2009
Kalkite	Oleander Circ	entire section	59.4	on-road	Erect 2 signposts	\$500		2010
Kalkite	Banksia Ave	entire section	116	on-road	linemarking	\$250		2009
Kalkite	Banksia Ave	entire section	116	on-road	4 logos	\$700		2010
Kalkite	Banksia Ave	entire section	116	on-road	Erect 2 signposts	\$550		2010
Kalkite	Pathway linking Oleander to Banksia	Oleander Circ to Banksia St	72.5	off-road	construct 2.5m path in concrete	\$17,500		2013
					<b>Total</b>	\$105,160		
					<b>Totals</b>			
	Jindabyne less half of possible option 2 savings				<b>\$646,289</b>			
	East Jindabyne & Willow Bay				<b>\$118,010</b>			
	Tyrolean Village				<b>\$14,570</b>			
	Kalkite less half of possible option 2 savings				<b>\$97,260</b>			

## SCHEDULE E – PATHWAYS MAPS FOR THE VARIOUS CATCHMENTS

### SNOWY RIVER SHIRE COUNCIL JINDABYNE SHARED PATHWAYS STRATEGY EAST JINDABYNE PATHWAY ROUTE



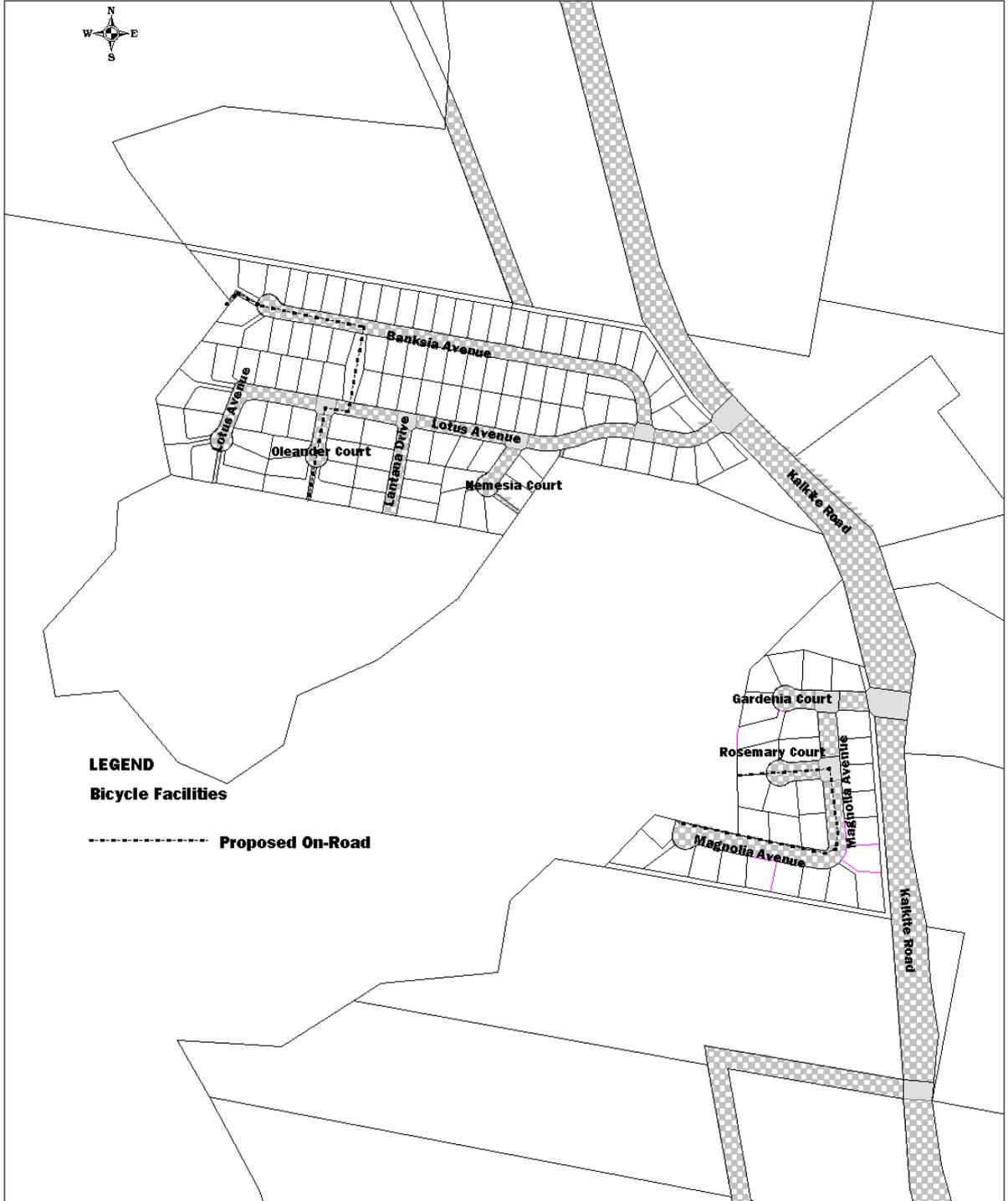
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**SNOWY RIVER SHIRE COUNCIL  
JINDABYNE SHARED PATHWAYS STRATEGY  
KALKITE PATHWAY ROUTE**



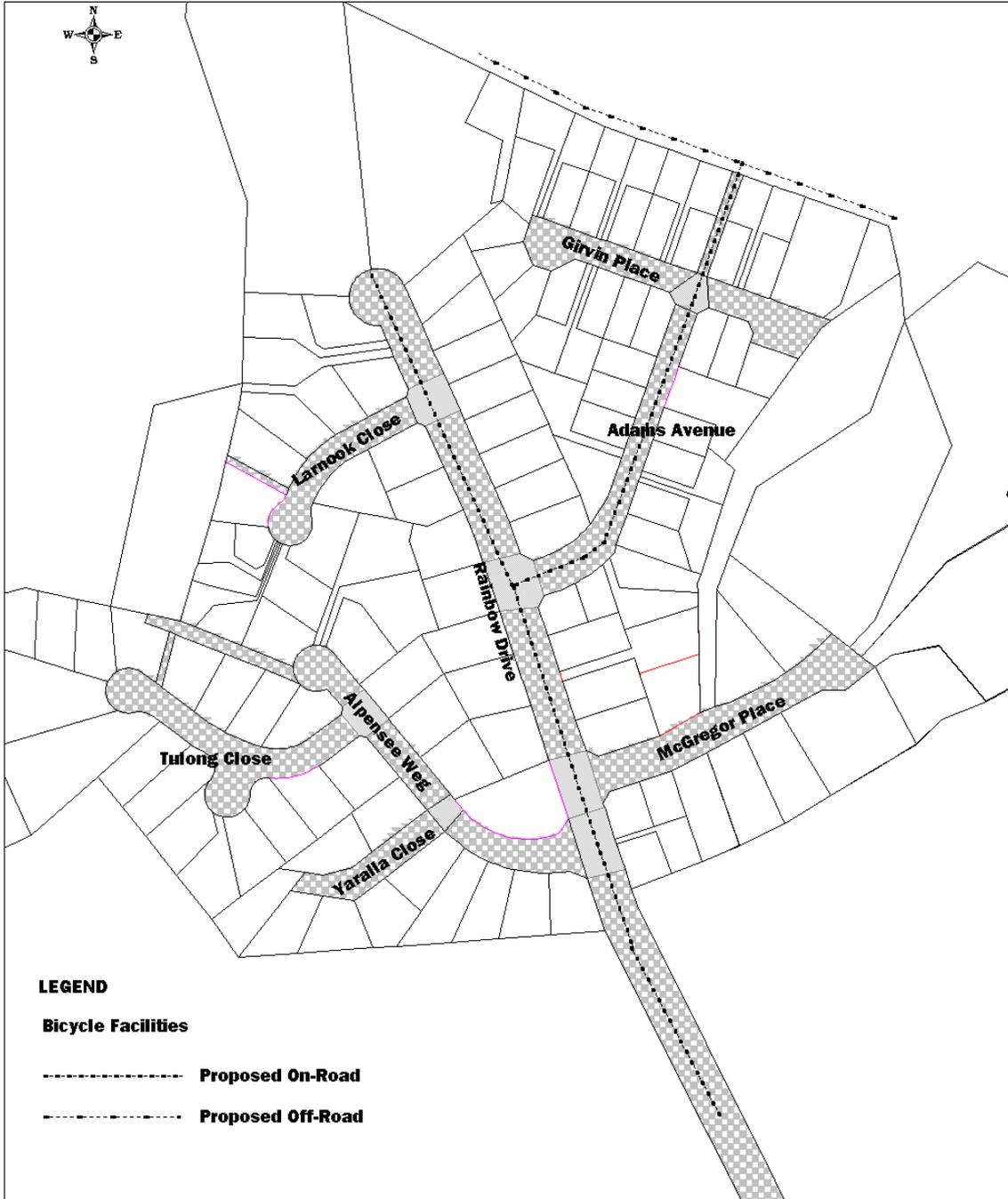
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**SNOWY RIVER SHIRE COUNCIL**  
**JINDABYNE SHARED PATHWAYS STRATEGY**  
**KALKITE PATHWAY ROUTE**



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**SNOWY RIVER SHIRE COUNCIL**  
**JINDABYNE SHARED PATHWAYS STRATEGY**  
**TYROLEAN VILLAGE PATHWAY ROUTE**



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