



# Wolli Creek Traffic and Transport Study

Strategic Implementation Plan

**October 2013**

TRIM 13/78075

## Important

This document contains important information about Rockdale City Council. If you do not understand, please visit Council's Customer Service Centre at 2 Bryant Street Rockdale, Monday – Friday from 8.30am – 4.30pm, Saturday from 9am – 1pm. Council Staff will be happy to arrange interpreter services for you.

You may also contact Telephone Interpreter Services on 131 450 and ask them to ring Rockdale City Council on 9562 1666 on your behalf.

### Arabic

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### Chinese

重要消息

本文件載有關於 Rockdale 市政府的重要資訊，如果您有不明白之處，請於星期一至星期五，上午8時30分至下午4時30分，及星期六上午9時至下午1時，前來位於 2 Bryant Street, Rockdale，市政府的顧客服務中心。市政府的職員會很樂意為您安排傳譯員的服務。

您也可以聯絡電話傳譯服務處，電話 131 450，並請他們代您致電 9562 1666 給Rockdale 市政府。

### Greek

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Μπορείτε επίσης να επικοινωνήσετε με τις Τηλεφωνικές Υπηρεσίες Διερμηνέων [Telephone Interpreter Services] στο 131 450 και να τους ζητήσετε να τηλεφωνήσουν στο Rockdale City Council στο 9562 1666 για λογαριασμό σας.

### Italian

Importante:

Questo documento contiene importanti informazioni sul Comune di Rockdale City. Se avete difficoltà a comprenderne il contenuto, recatevi presso il Customer Service Centre del Comune a 2 Bryant Street, Rockdale dal lunedì al venerdì dalle ore 8.30 alle 16.30 e al sabato dalle 9.00 alle 13.00. Il personale del Comune sarà ben lieto di procurarvi un servizio interpreti.

Potete anche chiamare il Servizio telefonico interpreti (TIS) al numero 131 450 chiedendo che telefoni per vostro conto al Comune di Rockdale City al numero 9562 1666.

### Macedonian

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Исто така, можете да телефонирате во Telephone Interpreter Services (Служба за преведување по телефон) на 131 450, и да ги замолиме во ваше име да се јават во Градската општина на Rockdale на 9562 1666.

### Spanish

Importante:

Este documento contiene información importante sobre el Rockdale City Council (Municipio de Rockdale). Si no la entiende, le rogamos concurrir al Centro de Servicio al Cliente del Municipio, ubicado en 2 Bryant Street, Rockdale, atención de lunes a viernes, de 8:30 am a 4:30 pm y el sábado de 9.00 am a 1.00 pm. El personal del municipio se complacerá en obtener los servicios de un intérprete para usted.

Puede asimismo llamar al Servicio Telefónico de Intérpretes al 131 450 y pedirles que llamen de su parte al Rockdale City Council, teléfono 9562 1666.

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# I. Introduction

This document is a detailed plan for the implementation of the recommendations from the Wolli Creek and Bonar Street Precinct Traffic and Transport Study (2013).

The Study was prepared to address the perceived increase in 'through traffic' in the area, which is at odds with the vision for transit oriented development. The Study involved developing a micro-simulation traffic model to assess traffic flows to 2031 based on the development achievable under Rockdale LEP 2011. The Study's recommendations are based on ensuring the vision for the Precinct will be achieved.

The purpose of the Strategic Implementation Plan is to provide the link between the vision for the Precinct and Council's plans and policy necessary to see on the ground change. It will inform Council's Integrated Planning Framework, Long Term Financial Plan, Contributions Plan and other plans and policies which reflect Council's objectives for the area. The Plan has been informed by the community consultation undertaken during the development of the Study.

Specifically, the Plan identifies the detailed actions arising from the Study recommendations, including responsibilities, funding, dependencies and the timeframe and triggers for delivery. Also the Plan incorporates dealing with future opportunities as they may arise.

This Strategic Implementation Plan is for use by Council personnel whose work involves land use and traffic and transport related planning and works within Wolli Creek and Bonar Street Precinct. It should be used as a tool for input into future infrastructure delivery. It is also a reference for community members, the development industry, and State Government agencies having an influence on the future of the Precinct.

The Plan identifies a number of specific actions for incorporation into Council's Operational Plans and City Works program and should be used as a reference for the prioritisation of the review and development of the City Works Program. It provides indicative timeframes for the prioritisation as follows:

**Short:** Included delivered within the current Delivery Program (2013 – 2017). Projects marked \* are high priority.

**Medium:** To be included in future Delivery Program (2017-2021)

**Long:** Beyond 2021

There are four main programs which have been identified within the Strategic Implementation Plan:

1. Infrastructure
2. Operations
3. Planning Framework Amendments
4. Future Studies

## 2. Relationship to Other Plans

### a. Community Strategic Plan

The Strategic Implementation Plan aligns with Council's Integrated Planning & Reporting Framework and is reflected across all levels of the City Plan.

Outcome 2 - Rockdale is a City with a high quality natural and built environment and valued heritage in liveable neighbourhoods. A City that is easy to get around and has good links and connections to other parts of Sydney and beyond.

Objective 2.2 - Our City has a well managed and sustainable built environment, quality and diverse development with effective housing choice in liveable neighbourhoods.

Strategy 2.2.2 - Promote high quality, well designed and sustainable development and places that enhance the City.

Operation Plan Action 2.2.2.A.1 - Develop an integrated Local Area Plan for Wolli Creek to address traffic, pedestrians, cyclists, drainage, open space and community service needs.

### b. Planning Framework

#### **Rockdale Local Environmental Plan (LEP) 2011**

The LEP aims to promote a high quality transport oriented development

#### **Development Control Plan (DCP) 2011**

Council's vision for Wolli Creek, as outlined in the DCP is, "to create a high quality, high density urban environment for living, working and recreation." The activity hub next to the railway station assumes a high quantum of local residential based pedestrians.

#### **Wolli Creek And Bonar Street Precinct Public Domain Plan (PDP)**

The Public Domain Plan (PDP) is intended to guide and coordinate the design and construction of improvements to the public domain of Wolli Creek and Bonar Street precinct. The PDP proposes the Wolli Creek commercial centre to be focused on the main streets, Brodie Spark Drive, Magdalene Terrace and Arncliffe Street. The Bonar Street precinct is mainly residential.

## 3. Funding

Funding mechanisms and sources available to deliver the tasks and projects detailed in the Plan including potential limitations, as well as revenue opportunities.

### a. Developer Contributions - Section 94 Plan

The current s94 plan contains 76 items listed and respective status ("completed", "in progress" or "not started"). Since the development of the Section 94 Plan, a series of studies and policies have been developed, including the above mentioned LEP, DCP and PDP. As such, infrastructure requirements have changed and the Section 94 plan needs to be revised to reflect the current situation and ensure that it is aligned with other planning tools.

One of the main objectives of the Study was a review of the Section 94 works list. A key Study output is a list of recommendations on each item in the existing (2004) s94 works list. Council has reviewed the Study recommendations and generated a list of work updated to reflect the Study findings and the proposed changes to the PDP.

The revised Section 94 works list will inform the Strategic Implementation Plan and be the funding source for many of the proposed works

## **b. Grants**

There is a potential for individual funding for individual tasks and projects particularly related to pedestrian and cycling studies, infrastructure and facilities.

## **c. City Projects**

Council annually allocates funding for maintenance and renewal of infrastructure. There is scope to use this funding for some of the items identified in this Plan.

## **d. Internal Resourcing**

Many of the non-infrastructure items and activities are part of Council's normal service delivery and funding.

# **4. Delivery Program**

## **a. Priority Projects**

Projects for which there is a strong demand and established rationale can be undertaken within a short time frame. These actions will result in improved facilities and amenity for pedestrians and cyclists circulating within the precinct. Special consideration is given to works which will improve safety outcomes.

- Arncliffe Street – improve pedestrian and cycle facilities
- Guess Avenue Underpass – Improve pedestrian and cycle facilities
- Allen St / Arncliffe St Underpass upgrade - improve pedestrian and cycle amenity. This will address the missing pedestrian/cycle link along the western side of Arncliffe Street
- Load Limits – Investigate staged reductions
- Street Lighting - improvements
- Wayfinding – improve Wolli Creek Precinct wayfinding signage

## **4.1 Infrastructure Program**

### **4.1.1 Major Projects**

Reconfiguration of main traffic routes including the implementation on a one way circuit, construction of a rail underpass and potential road widening in a number of areas.

One key Study recommendation is the implementation of one-way circulation along Arncliffe Street, Guess Avenue and Mount Olympus Boulevard. Additional recommended works include;

- a. Removal of the Brodie Spark Drive / Arncliffe Street roundabout and conversion of this intersection to a give-way arrangement with access restrictions to provide wider pedestrian and cycle route areas.
- b. Allen St / Arncliffe St underpass upgrade to provide improved pedestrian/cycle amenity. This will address the missing pedestrian/cycle link along the western side of Arncliffe Street.

Item	Action Description	Cost	Funding	Term of Timing	Dependencies-Triggers	Responsible
<b>I. Infrastructure</b>						
I.1 Arncliffe Street, Guess Avenue and Mount Olympus Boulevard	Implement clockwise one-way circuit Arncliffe Street, Guess Avenue and Mount Olympus Boulevard (Magdalene Terrace maintains two-way traffic). Consider provision of separated cycleways, additional pedestrian crossings and speed threshold devices.	\$ 5,217,000.00	Contributions Plan	Short-Medium	Staging of works required.	MTS
I.2 Allen St / Arncliffe St underpass	Upgrade Allen St / Arncliffe St underpass to provide improved pedestrian/cycle amenity.	\$5 mil Initial Allocation	State Government Grant	Short *		MTS
I.3 Allen Street / Wollongong Road	Consider central median.	\$21,000	Contributions Plan	Short		MTS
	Convert to "left-in/left-out" arrangement	\$ 33,000.00	Contributions Plan	Short	Allen Street Underpass works	MTS
I.4 Wollongong Road / Firth Street	Install traffic signals at the Wollongong Road / Firth Street intersection.	\$ 2,054,000.00	Contributions Plan	Medium-Long	Development at New Road South	MTS
I.5 Brodie Spark Drive / Arncliffe Street	Convert intersection to a give-way arrangement	TBD	Contributions Plan	Long	One Way Circuit completion	MTS

Item	Action Description	Cost	Funding	Term of Timing	Dependencies-Triggers	Responsible
<b>I. Infrastructure</b>						
I.6 Bonar Street / Thompson Street	Install roundabout	\$162,000.00	Contributions Plan		Linked to One way system,	MTS
I.7 Bonar Street / Guess Avenue and Bonar Street / Wollongong Road	Install splitter islands at the Bonar Street/Guess Avenue and Bonar Street/Wollongong Road intersections.	\$ 35,000.00	Contributions Plan	Medium	Linked to One way system.	MTS
I.8 Guess Avenue Underpass	Provide improved pedestrian and cycle facilities	\$ 309,000.00	Contributions Plan-	Short*	Clarify Resourcing Costs	MTS
I.9 Turella Street cycleways	Provide on-street cycleways along Turella Street together with traffic calming devices	\$ 198,000.00	Internal	Long	Cycling Strategy	MTS
I.10 Wollongong Road -/Bonar Street	Ban right turn from Bonar Street onto Wollongong Road.	\$20,000.00	Contributions Plan	Medium	One way circuit	MTS

NB: Short \* - High priority



## 4.2 Operational Program

Operational items refer to ongoing maintenance and advocacy activities aimed at improving amenity including lobbying State agencies for improved pedestrian and cycle facilities on State roads and improving street lighting and wayfinding.

The crossing of the Princes Highway at Brodie Spark Drive is a key access point to Cahill Park and the Airport. Council will lobby RMS for short term action to improve pedestrian and cycle facilities at the Princes Highway and Brodie Spark Drive.

Cycling – In the short term Council will lobby for improved bicycle parking at the Wolli Creek Station. Council is developing a Cycling Strategy for the City with particular reference to key cycling areas such as Wolli Creek. Cycle route signage will be upgraded once the cycle route implementation is completed.

Consideration should be given to the implementation of "one-way circulation" on Thompson St and Booth Street (between Bonar Street and Monk Street) to allow for a more efficient use of the road reserve and implementation of cycle lanes.

Item	Action Description	Cost	Funding	Term of Timing	Dependencies- Triggers	Responsible
<b>2. Operational</b>						
2.1 Bonar Street - Thompson Street cycle lanes	Consider implementation of "one-way circulation" on Thompson St and Booth Street	-	Internal	Medium		MTS
2.2 Brodie Spark Drive at Princes Highway	Lobby RMS to improve the crossing facilities for pedestrians and cyclists at the Princes Highway / Brodie Spark Drive intersection.	-	Internal	Short		MUES/MTS
2.3 Bus services	Lobby TfNSW to improve bus services	-	Internal	Short		MUES
2.4 Cycle route signage	Review and update cycle route signage across study area	-	Internal	Short - Medium	Implementation of cycleways	MTS
2.5 Footpath	Develop footpath maintenance /	-	Internal	Ongoing		MTS

Item	Action Description	Cost	Funding	Term of Timing	Dependencies-Triggers	Responsible
<b>2. Operational</b>						
Programme	upgrade programme – identify missing links, outline footpath specifications					
2.6 Forest Road / Princes Highway	Lobby RMS to Investigate potential traffic flow corridor improvements	-	Internal	Short		MUES / MTS
2.7 Princes Highway - Gertrude Street to Cooks River	Lobby RMS to improve pedestrian amenity and safety	-	Internal	Short	Development (Woolworths) (Mecure)	MTS/MUES
2.8 Street lighting improvement	Prepare a programme to ensure adequate street lighting	-	Internal	Short *		MSAM/MTS
2.9 Waterworth Park connection	Lobby RMS / TfNSW for funds to support cycling/walking infrastructure to Waterworth Park	-	Internal	Medium - Long		MUES
2.10 Wayfinding	Work with stakeholders to ensure wayfinding signage throughout the precinct is upgraded	-	Internal	Short*		MUES Australand
2.11 Wolli Creek Town Centre - Load limit	Work with RCC Traffic Committee on staged implementation of 4.5 tonne environmental load limit in Wolli Creek Town Centre	-	Internal	Short*		MTS / MRS

NB: Short \* - High priority

## Planning Framework Amendment Program

Planning instruments such as the RDCP, PDP, and Section 94 will be updated to be aligned with the actions outlined in the Study. The Section 94 Works List will be revised to reflect the Study recommendations.

Item	Action Description	Cost	Funding	Term of Timing	Dependencies-Triggers	Responsible
<b>3. Planning Framework Amendment program</b>						
3.1 Argyle Street - Access for proposed developments	Investigate development access arrangements	-	Internal	Medium	Traffic Study Urban Strategy, TS, LEP, PDP review Floodwater study	
3.2 Arncliffe St south to the Allen St Underpass.	Update cross sections in DCP, ensure PDP reflects changes.	-	Internal	Ongoing		MUES
3.3 Arncliffe Street, Guess Avenue and Mount Olympus Boulevard	Update DCP, PDP to reflect changes associated with one way circuit implementation	-	Internal	Medium		MUES
3.4 Bonar Street and Thompson Street	Revised cross-sections to accommodate for cyclists on this designated cycle route	-	Internal	Medium		MUES
3.5 Bonar Street / Hirst Street cycle lanes	Update cross-section of Bonar Street and Hirst Street (within the Bonar Street PDP area)	-	Internal	Medium		MUES
	Ensure new cross section has provision for cyclists	-	Internal	Medium		MUES
	Address missing link on Bonar St	-	Internal	Long		MUES
3.6 Bonar Street / Hirst Street	Consider land acquisition	-	Internal	Long Term		MUES
3.7 Footpaths adjacent to new developments	Ensure accordance with PDP of footpaths near new developments.	-	S80A Development funded/Internal	Ongoing		MTS

## 4.4 Future Studies Program

Upon completion of the Discovery Point development which is slated to deliver a significant amount of public parking, Council will review the parking arrangements for the Precinct main streets.

A Pedestrian Access and Mobility Plan (PAMP) would provide a specific works plan for the installation of pedestrian facilities throughout the Precinct. And ensure that infrastructure requirements for pedestrians should be further investigated. In addition, Council will discuss with RMS and TfNSW opportunities for improved facilities including a new pedestrian/cycle bridge over Cooks River. (potential additional use for existing utilities bridge).

Item	Action Description	Cost	Funding	Term of Timing	Dependencies Triggers	Responsible
<b>5. Future Studies program</b>						
5.1 Parking provision	Carry out a parking study – assess public and private parking provision	\$20,000	Internal	Medium	After Discovery Point public car park finished (2 years?)	MUES MSAM Discovery Point
5.2 Pedestrian Access and Mobility Plan (PAMP)	Carry out a detailed investigation into the provision, costing and timing of pedestrian facilities in the Wolli Creek Precinct	\$30,000	Internal/Grant	Short*		MUES/MTS

NB: Short \* - High priority

### Abbreviations Used in this Plan:

MRS	Manager Regulatory Services
MSAM	Manager Strategic Asset Management
MTS	Manager Technical Services
MUES	Manager Urban and Environmental Strategy
RMS	Roads and Maritime Services
TBD	To be determined
TfNSW	Transport for NSW