



COFFS HARBOUR CITY COUNCIL
ORDINARY MEETING
COUNCIL CHAMBERS
COUNCIL ADMINISTRATION BUILDING
COFF AND CASTLE STREETS, COFFS HARBOUR
1 MAY 2008

Contents

ITEM	DESCRIPTION	PAGE
	CITY SERVICES DEPARTMENT REPORTS	1
S18	TRAFFIC COMMITTEE REPORT NO. 2/2008	1
S19	ADOPTION OF CRIME PREVENTION AND SAFETY PLAN 2008-2011	11
S20	REFUGEE WELCOME ZONE DECLARATION	14
S21	CITY SERVICES SECTION QUARTERLY OPERATIONAL REPORT	18
S22	DELIVERY OF THE BRIDGE REPLACEMENT PROGRAM - COLDWATER CREEK BRIDGE	31
S23	REPORT ON RECLAIMED WATER PRICING	34



COFFS HARBOUR CITY COUNCIL

ORDINARY MEETING

1 MAY 2008

Mayor and Councillors

CITY SERVICES DEPARTMENT REPORTS

S18 TRAFFIC COMMITTEE REPORT NO. 2/2008

Purpose:

To confirm minutes from the Traffic Committee Meeting held on 15 April 2008.

Recommendation:

T.17 – Ocean Street, Woolgoolga - Traffic Calming (R.508380 [1842814])

That no action be taken to install traffic calming in Ocean Street, Woolgoolga.

T.18 – Toormina Road, Boambee - Speed Limit (R.502400 [1876624])

That no action be taken to reduce the speed limit on Toormina Road, Boambee, to 50km/h in the vicinity of Centro Shopping Centre.

T.19 – Scarba Street, Coffs Harbour - Safety Exit (R.505900 [1761794])

That a 'Left Turn Only' sign be installed at the exit from the laneway between the Legacy Shop and St Vincent de Paul, Scarba Street, Coffs Harbour, as per Plan T.19.

T.20 – Camperdown Street, Coffs Harbour - Traffic Calming (R.502870 [1818186])

That no action be taken to install traffic calming in Camperdown Street, Coffs Harbour.

T.21 – Gordon Street, Coffs Harbour - 'No Parking' signs (R.504620 [1865152])

That signs be installed stating 'No Parking on Sundays' in Gordon Street, Coffs Harbour, adjacent St Augustine's Catholic Church, as per Plan T.21.

T.22 – Orara Way, Coramba - Speed Limit (R.510970 [1877852])

That the request for a reduction of speed limit on Orara Way, Coramba, be referred to the Roads & Traffic Authority for assessment. The assessment to include consideration of extension of 50km/h zone to north of MR 120 intersection.

T.23 – Crossmaglen Road, Crossmaglen - Speed Limit (R.500310 [1857106])

That speed counts be undertaken on Crossmaglen Road, Crossmaglen, and referred back to Traffic Committee.

T.24 – Howard Street, Coffs Harbour - Traffic Control - Coffs Race Day (R.503110)

That the Traffic Management Plan for Howard Street, Coffs Harbour, on Thursday, 7 August 2008 for the 2008 Coffs Gold Cup be approved, as per Plan T.24.

T.25 – Richmond Drive / Macauleys Headland Drive, Coffs Harbour (R.503260 / R.503350 [1753679])

That no action be taken to install a mirror at the intersection of Richmond Drive and Macauleys Headland Drive, Coffs Harbour.

T.26 – Arthur Street, Coffs Harbour - Pedestrian Refuge Islands (R.503760 [1889973])

That pedestrian refuge islands, linemarking and signposting be installed in Arthur Street, Coffs Harbour, in accordance with Plan No. T.26.

T.27 – Lyons Road, North Bonville - Speed Zone Review (R.500170)

That traffic speed data on Lyons Road, North Bonville, be referred to the RTA for consideration of reduction of existing 80km/h speed zone on Lyons Road to 60km/h.

Attachments:

**COFFS HARBOUR CITY COUNCIL
TRAFFIC COMMITTEE MINUTES– 2/2008
15 APRIL 2008 - 10.30AM**

Present: Cr Bill Palmer, Coffs Harbour City Council
Liz Smith, Roads and Traffic Authority
Kevin McKenzie, Coffs Harbour Taxi Network
George Stulle, Coffs Harbour City Council
Anne Shearer, Coffs Harbour City Council
Rob Fletcher, Coffs Harbour City Council
David Brooks, Coffs Harbour City Council

Apologies: Sgt Wayne Thorpe, Coffs Harbour Police

Minute Taker: Ann Graham, Coffs Harbour City Council

T.17 – Ocean Street, Woolgoolga - Traffic Calming (R.508380 [1842814])

Consideration of a request from a resident for traffic calming in Ocean Street, Woolgoolga, on the rise before the pressure storage tank prior to the lookout.

Recommended: that no action be taken to install traffic calming in Ocean Street, Woolgoolga.

Reason: Traffic counts have shown that 85th percentile speeds are in the order of 50km/h. Increased enforcement options will be discussed with Police and local residents.

T.18 – Toormina Road, Boambee - Speed Limit (R.502400 [1876624])

Consideration of a request for the speed limit on Toormina Road, Boambee, to be reduced to 50km/h in the vicinity of Centro Shopping Centre until renovations have been completed.

Recommended: that no action be taken to reduce the speed limit on Toormina Road, Boambee, to 50km/h in the vicinity of Centro Shopping Centre.

Reason: Traffic lights are scheduled to be installed in this location in June 2008 and will reduce traffic speed and congestion.

T.19 – Scarba Street, Coffs Harbour - Safety Exit (R.505900 [1761794])

Consideration of a request from The Legacy Shop for a safe exit from the laneway between Legacy Shop and St Vincent de Paul, Scarba Street, Coffs Harbour.

Recommended: that a 'Left Turn Only' sign be installed at the exit from the laneway between the Legacy Shop and St Vincent de Paul, Scarba Street, Coffs Harbour, as per Plan T.19.

Reason: Sight distance for the right turn is restricted by on-street parking. Reduction in on-street parking by up to four spaces would be required to improve sight distance.

T.20 – Camperdown Street, Coffs Harbour - Traffic Calming (R.502870 [1818186])

Consideration of a request for the installation of traffic calming in Camperdown Street, Coffs Harbour, on both sides of the hill to allow safe exit from driveways.

Recommended: that no action be taken to install traffic calming in Camperdown Street, Coffs Harbour.

Reason: Traffic counts have shown that 85th percentile speeds are in the order of 50km/h. Increased enforcement options will be discussed with Police and local residents.

T.21 – Gordon Street, Coffs Harbour - 'No Parking' signs (R.504620 [1865152])

Consideration to a request from St Augustine's Church for 'No Parking on Sundays' signs to be erected in front of the Church in Gordon Street, Coffs Harbour, for drop-off points for the elderly.

Recommended: that signs be installed stating 'No Parking on Sundays' in Gordon Street, Coffs Harbour, adjacent St Augustine's Catholic Church, as per Plan T.21.

Reason: The installation of the signs will create a drop-off point for the elderly attending Church on Sundays.

T.22 – Orara Way, Coramba - Speed Limit (R.510970 [1877852])

Consideration of a request from a resident for the speed limit to be reduced on Orara Way, north of Coramba, to 70km/h or less to enable safety when exiting properties.

Recommended: that the request for a reduction of speed limit on Orara Way, Coramba, be referred to the Roads & Traffic Authority for assessment. The assessment to include consideration of extension of 50km/h zone to north of MR 120 intersection.

T.23 – Crossmaglen Road, Crossmaglen - Speed Limit (R.500310 [1857106])

Consideration of a request from a resident for the speed limit to be reduced on Crossmaglen Road, Crossmaglen, to enable safety when exiting or entering properties.

Recommended: that speed counts be undertaken on Crossmaglen Road, Crossmaglen, and referred back to Traffic Committee.

T.24 – Howard Street, Coffs Harbour - Traffic Control - Coffs Race Day (R.503110)

Consideration to approval of traffic management plan for Howard Street, Coffs Harbour, on Thursday, 7 August 2008 for the 2008 Coffs Gold Cup.

Recommended: that the Traffic Management Plan for Howard Street, Coffs Harbour, on Thursday, 7 August 2008 for the 2008 Coffs Gold Cup be approved, as per Plan T.24.

T.25 – Richmond Drive / Macauleys Headland Drive, Coffs Harbour (R.503260 / R.503350 [1753679])

Consideration of a request for a mirror to be installed at the intersection of Richmond Drive / Macauleys Headland Drive, Coffs Harbour.

Recommended: that no action be taken to install a mirror at the intersection of Richmond Drive and Macauleys Headland Drive, Coffs Harbour.

Reason: The use of mirrors at these type of locations has not been effective in improving road safety.

T.26 – Arthur Street, Coffs Harbour - Pedestrian Refuge Islands (R.503760 [1889973])

Consider plans for installation of pedestrian refuge islands in Arthur Street, Coffs Harbour.

Recommended: that pedestrian refuge islands, linemarking and signposting be installed in Arthur Street, Coffs Harbour, in accordance with Plan No. T.26.

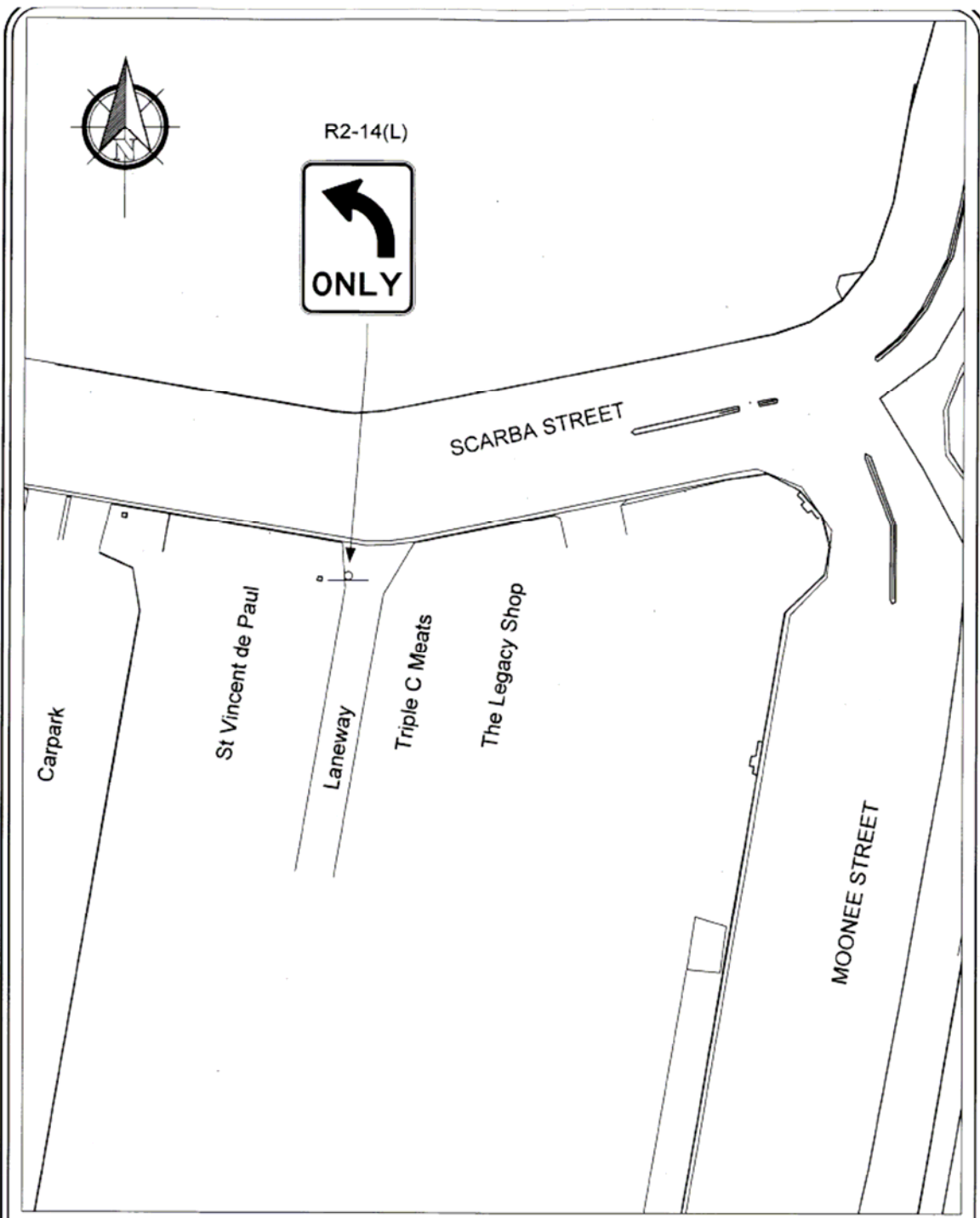
Reason: To improve pedestrian safety at these locations.

T.27 – Lyons Road, North Bonville - Speed Zone Review (R.500170)

Consider results of traffic speed surveys on Lyons Road, North Bonville, between Toormina Road and the Pacific Highway.

Recommended: that traffic speed data on Lyons Road, North Bonville, be referred to the RTA for consideration of reduction of existing 80km/h speed zone on Lyons Road to 60km/h.

Reason: RTA are determining authority in setting of speed zones.

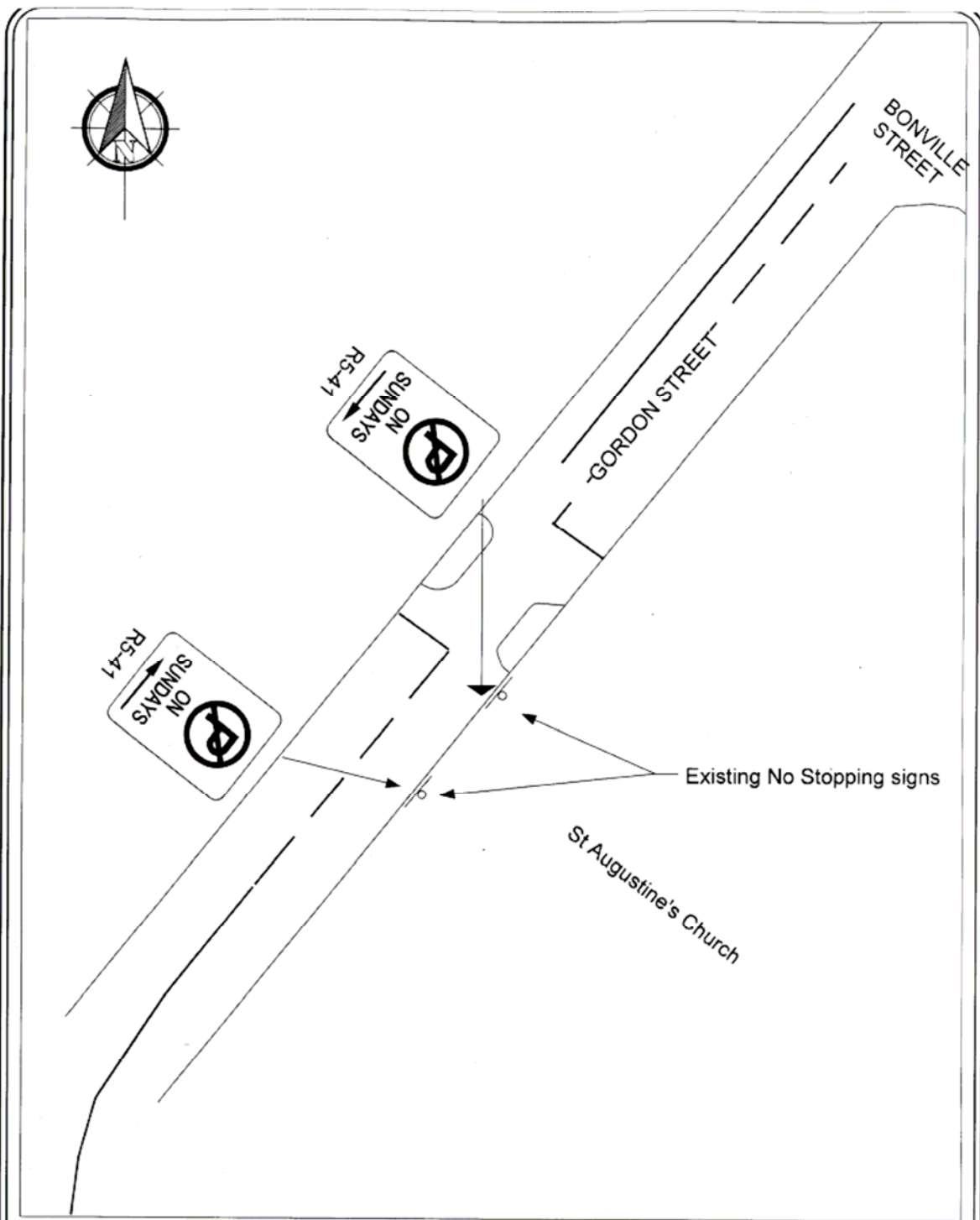


PLAN VIEW

NOTES:
 That a 'LEFT TURN ONLY' sign be installed at the exit from the laneway between The Legacy Shop and St Vincent de Paul, Scarba Street Coffs Harbour

TRAFFIC INSTRUMENT

T.19-2008
 SCARBA STREET
 COFFS HARBOUR



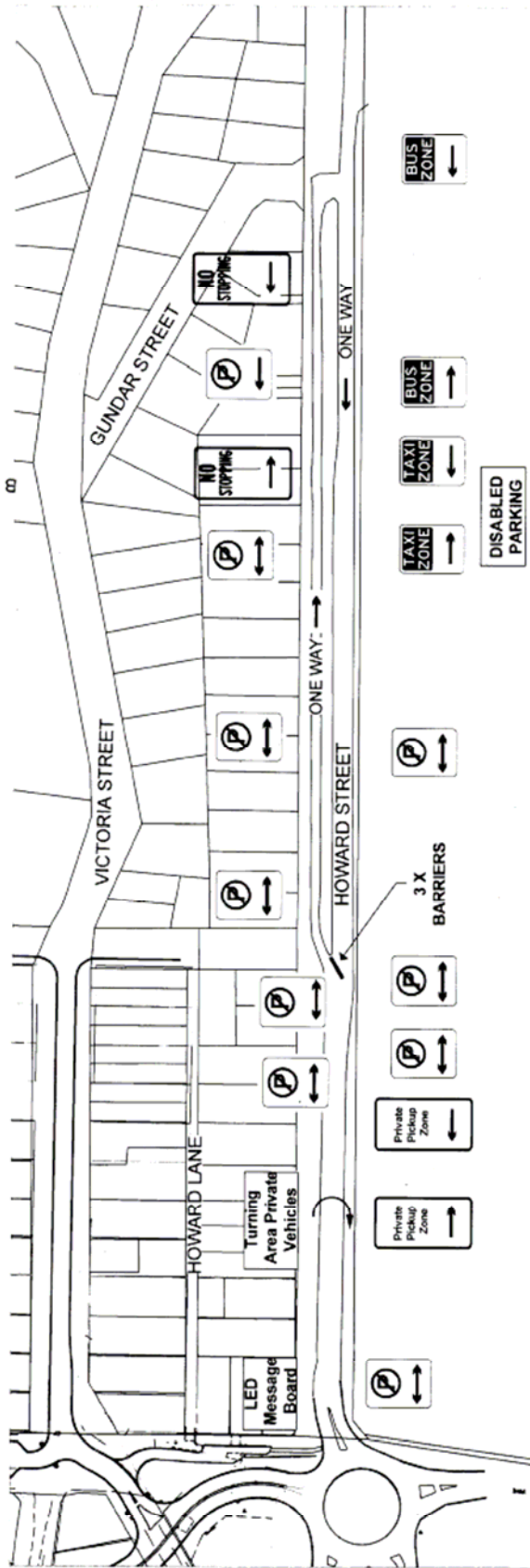
PLAN VIEW

NOTES:

That signs be installed stating
 'NO PARKING ON SUNDAYS'
 in Gordon Street, Coffs Harbour, adjacent
 St Augustines's Catholic Church.

TRAFFIC INSTRUMENT

T.21-2008
 GORDON STREET
 COFFS HARBOUR



**COFFS HARBOUR GOLD CUP
TRAFFIC CONTROL PLAN August 7, 2008**

Sequence for Erection & Removal of Signs & Devices

1. Signs should be first placed at the approaches and then progressively into the work area.
2. Signs & devices that are erected before they are required shall be covered by suitable material
3. Always travel in the direction of the normal traffic flow.
4. Removal of traffic control signs and devices should be undertaken in the reverse order of erection, progressing from the work area out towards the approaches.

NOTES: INSTALL SAFETY TAPE AROUND FULL LENGTH OF CENTRE MEDIAN ATTACHED TO 'STAR PICKETS' 20M APART

NOTE: Howard Street to be alcohol free for the duration of the event 12:00 am 7th to 12 am 8th August.
Howard Street to be restricted Traffic - Public vehicles, emergency services vehicles, residents & other pass holders.
No general private vehicles 9:00am to 6:30pm. Manned checkpoint (2 personnel) and turning area at 15 Howard Street for private vehicles that are without a pass.

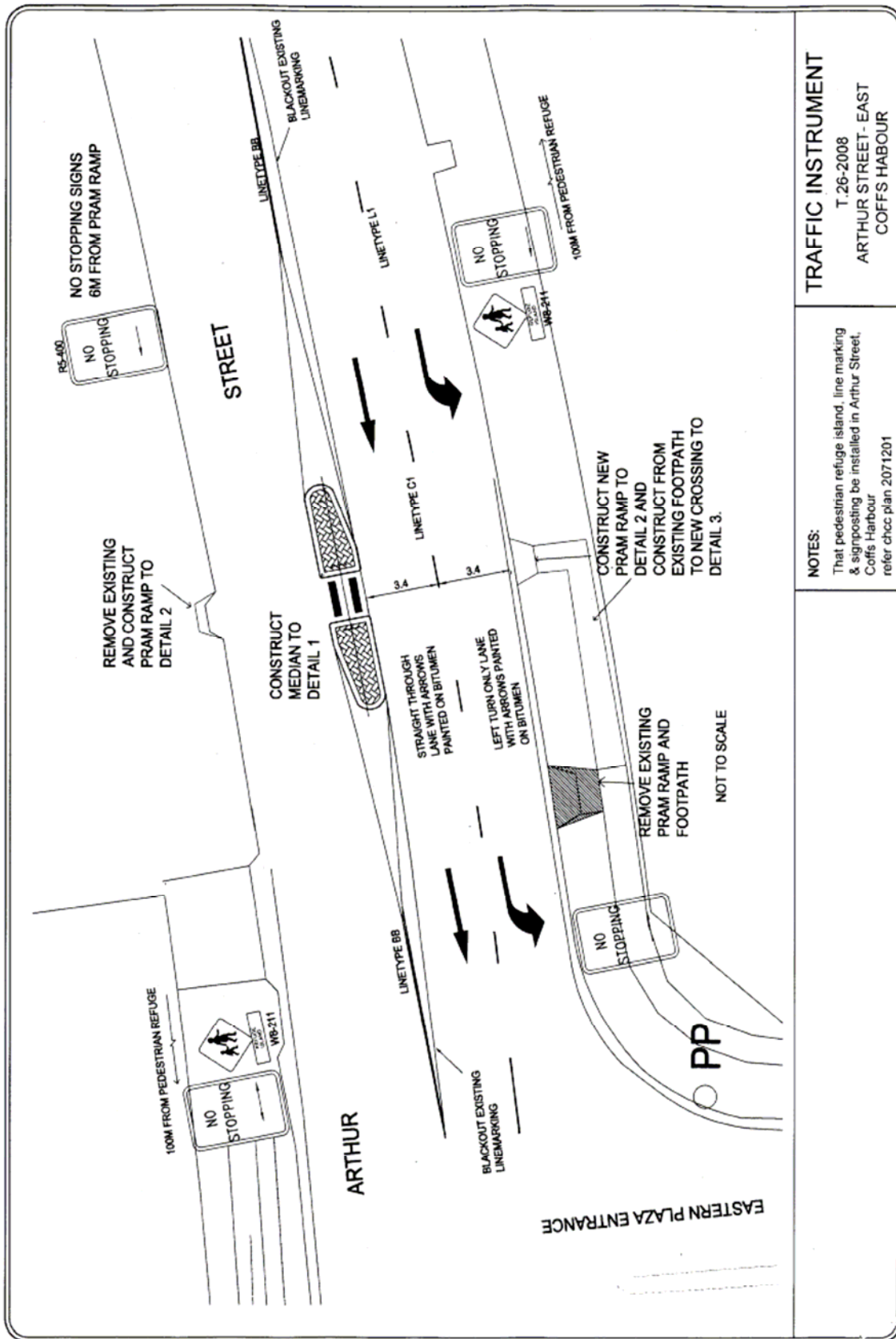
PLAN VIEW

NOTES:

That the traffic Management plan for Howard Street, Coffs Harbour, on Thursday 7 August 2008 Coffs Gold Cup be approved

TRAFFIC INSTRUMENT

T.24 - 2008
HOWARD STREET
COFFS HARBOUR



TRAFFIC INSTRUMENT
 T.26-2008
 ARTHUR STREET - EAST
 COFFS HARBOUR

NOTES:
 That pedestrian refuge, island, line marking
 & signposting be installed in Arthur Street,
 Coffs Harbour
 refer chcc plan 2071201

S19 ADOPTION OF CRIME PREVENTION AND SAFETY PLAN 2008-2011

Purpose:

To report to Council the outcomes of the exhibition of the Crime Prevention and Safety Plan for 2008-2011.

Description of Item:

In March 2008 Council resolved to approve the public exhibition of the draft Crime Prevention and Safety Plan 2008-2011 from 10 March 2008 to 7 April 2008. This is to report on the submissions received during the exhibition.

Sustainability Assessment:

- **Environment**

Many of the issues raised within the Community Crime Prevention and Safety Plan relate to infrastructure, particularly recreational and open spaces.

In implementing the Community Crime Prevention and Safety Plan it will therefore be necessary to work in partnership with all pertinent areas of Council and relevant external organisations or groups in order to take a holistic approach to these issues.

- **Social**

The Plan itself identifies the characteristics of our population, key social issues and provides strategies and directions for an increased sense of community safety.

- **Economic**

Broader Economic Implications

Currently a maximum of \$50,000 per year is available for a period of up to three years from the NSW Attorney General's Department through the Safer Communities Compact Grant to support the implementation of local crime prevention plans.

Management Plan Implications

There are no Management Plan implications in relation to this report.

Consultation:

Hard copies of the draft document were made available for viewing by the community at Council's administrative centre and Council's three libraries. Copies were also sent to Coffs/Clarence Local Area Command, Andrew Fraser (State Member) and Luke Hartsuyker (Federal Member) as well as other service providers involved in the development of the Plan.

Feedback forms were developed and made available through these outlets encouraging the community to provide their comments and further input into the plan. This resulted in seven (7) submissions, a summary of which is attached to this report.

S19 - Adoption of Crime Prevention and Safety Plan 2008-2011 (Cont'd)

The submissions can be categorised as:

- Three from individuals
- Four from organisations

It is also of note that during the exhibition period there were 91 downloads from Council's website

Positive verbal feedback was also provided by various service organisations who commented on the strategies being realistic and achievable.

Related Policy and / or Precedents:

This document serves to review and update the Crime Prevention and Safety Plan and provide direction for the next three year period being 2008-2011.

Statutory Requirements:

Once adopted by Council the plan will be submitted to the NSW Attorney General's Department and the Department of Community Services for their endorsement.

Issues:

In summary, the issues raised during the exhibition period included:

- Need for adjustment to statistic information.
- Further CCTV in business areas.
- Need for Neighbourhood Watch to be established in residential areas close to the beaches north and south of the CBD.
- More youth friendly areas, particularly for evening activities eg, dance/band sessions.
- Regular youth specific entertainment on weekends and school holidays at non licensed premises.

Statistical information (as per item 1 on the attachment) was a fair and reasonable comment and the Plan has been amended in line with the submission.

The other issues raised in submissions were either outside the scope of the Plan or will be considered for future partnerships and action.

Generally, submissions seem to indicate that the document reflected the input from the community and also the current needs and issues.

Hard copies of the final report have been circulated to Councillors under separate cover.

Implementation Date / Priority:

Once adopted by Council the implementation will commence of the Crime Prevention and Safety Plan 2008-2011.

Recommendation:

- 1. That Council note the submissions received in the summary and that the only change to the draft document was the addition of some statistical information.**
- 2. That Council adopt the Crime Prevention and Safety Plan 2008-2011.**

Attachments:

Submissions for Crime Prevention and Safety Plan

	NAME	DESCRIPTION	SUBMISSIONS/COMMENTS	ACTION TAKEN
1.	Individual	Male 26-40 age group residing in urban area.	Requesting some statistical information be adjusted. Coffs Harbour population according to ABS 2006 64,910 and male and female population aged 12-25 years is 18.11%.	Noted and updated on plan.
2.	Individual	Male 56-65 age group residing northern beaches area of Coffs Harbour.	Cutting back on hours of supply of alcohol by liquor outlets.	Outside scope of this plan.
3.	Individual	Male 65 age group residing in northern beaches area of Coffs Harbour.	Requesting Neighbourhood Watch be established.	Noted. For consideration in future partnerships.
4.	Coffs Harbour and Bellingen Domestic Violence Committee	This committee works towards just and fair outcomes for victims, including where appropriate, their children and their family unit.	Acknowledging that objectives and strategies acceptable to meet needs in relation to domestic violence. Suggests media announcement when plan adopted to advise community.	Noted
5.	Park Beach Plaza Management	Operation Manager	<ul style="list-style-type: none"> • Requesting Council use Social Worker at public places and shopping centres. • Consider programs to assist in decreasing high rate of truancy. 	Noted. Responded to Park Beach Plaza beyond our brief.
6.	Coffs/Clarence LAC	Crime Prevention Officer	Security guards on after hours nightrider bus. Further CCTV in business district.	Noted, however this would happen as a matter of course. Noted. For consideration in future partnerships.
7.	Community Drug Action Committee	Committee established in 2002 for purpose of bringing people together to take action on drug-related concerns in Coffs Harbour.	Positive response plan, its strategies and objectives.	Noted

S20 REFUGEE WELCOME ZONE DECLARATION

Purpose:

Requesting Council's adoption of the Refugee Council of Australia's Refugee Welcome Zone initiative, signed declaration and purchase of a "Celebrating Refugee Week" banner.

Description of Item:

Coffs Harbour has been designated a rural refugee resettlement area and over the last few years the city has seen a steady increase in refugees migrating to the area from varying countries throughout the world.

In 2007, Council's Multicultural Reference Group in partnership with Anglicare hosted a Refugee Week event at the Jetty Theatre. It included stories from resident refugees about their past and aspirations for their future, a short education film on the local Gumbaynggirr people, and incorporated dance, music and traditional food. The Jetty Theatre saw a full house for the event and it is hoped that this year's event is even better, dependant on the acquisition of some funding.

In 2008, Refugee Week will be celebrated from Sunday, June 15 to Saturday, June 21, to coincide with World Refugee Day (June 20). The theme for this year event is "A Place to Call Home".

This year, as part of Refugee Week, the Multicultural Reference Group is recommending that Council become a Refugee Welcome Zone, signing a declaration and the purchase of a banner/pull-up sign recognising Refugee Week.

The "Refugee Welcome Zone" Declaration

This declaration is simply a commitment in spirit to welcoming refugees into our community, upholding the human rights of refugees, demonstrating compassion for refugees and enhancing cultural diversity in our community. By making this Declaration Council supports the men, women and children who make the difficult journey to Australia to seek our protection.

The Refugee Welcome Zone declaration, an initiative of the Refugee Council provides a statement that states :

"This declaration is a commitment in spirit to welcoming refugees into our community, upholding the human rights of refugees, demonstrating compassion for refugees and enhancing cultural and religious diversity in our community"

To date there are 63 local councils Australia wide who have declared their area to be a "Refugee Welcome Zone" (see map attached).

This report recommends Council adopt the above statement, and a formal declaration in the form of a certificate signed by the Mayor and General Manager on behalf of the Council. The certificate to be displayed in prominent locations throughout Council such as the Customer Service area in the Administration Building, the Library and other appropriate facilities.

It is also requested that Council purchase a banner/pull-up sign that states "Coffs Harbour City Council supports Refugee Week" to be displayed at Refugee Week activities.

Sustainability Assessment:

- **Environment**

There are no environmental issues pertaining to this matter.

- **Social**

By becoming a participant in the initiative put forward by the Refugee Council of Australia, Coffs Harbour City Council will join a growing number of local councils throughout Australia who have demonstrated their commitment to refugee issues. The adoption of the Refugee Council of Australia's Refugee Welcome Zone Dedication, in conjunction with the display of the banner, would be seen as an important symbolic gesture by Council to our local refugee community.

- **Economic**

Broader Economic Implications

The broader economic implications are likely to be in the message that is sent to business and government by declaring Coffs Harbour as a place which is proud of its diversity.

Management Plan Implications

There is no Management Plan impact on Council for the implementation of the Refugee Welcome Zone. The financial implication is the purchase of banner/pull-up sign in the order of \$500 which is available within an existing budget. In addition, grant moneys are being sought, in partnership with Anglicare, from the Refugee Council of Australia, for community activities during Refugee Week 8-21 June.

Consultation:

The Multicultural Reference Group has consulted, through their various networks, including refugee service providers, Anglicare and Coffs Harbour Refugee Support Service and the refugee community on this issue.

Related Policy and / or Precedents:

Nil

Statutory Requirements:

There are no statutory requirements.

Issues:

Council appointed the Multicultural Reference Group in July 2006 as the mechanism to engage the multicultural community, which includes refugee migrants, to raise the profile of multiculturalism in the community and positively promote cultural differences as a benefit for the whole community. Council's support of the Dedication reaffirms the goal of the Multicultural Reference Group and demonstrates a commitment to its objectives.

Implementation Date / Priority:

It is envisaged that the dedication and display of banner be incorporated in Refugee Week activities being Sunday, June 15 to Saturday, June 21, 2008. This year theme for Refugee Week is "A Place to Call Home" apt for the many refugees who now call Coffs Harbour home.

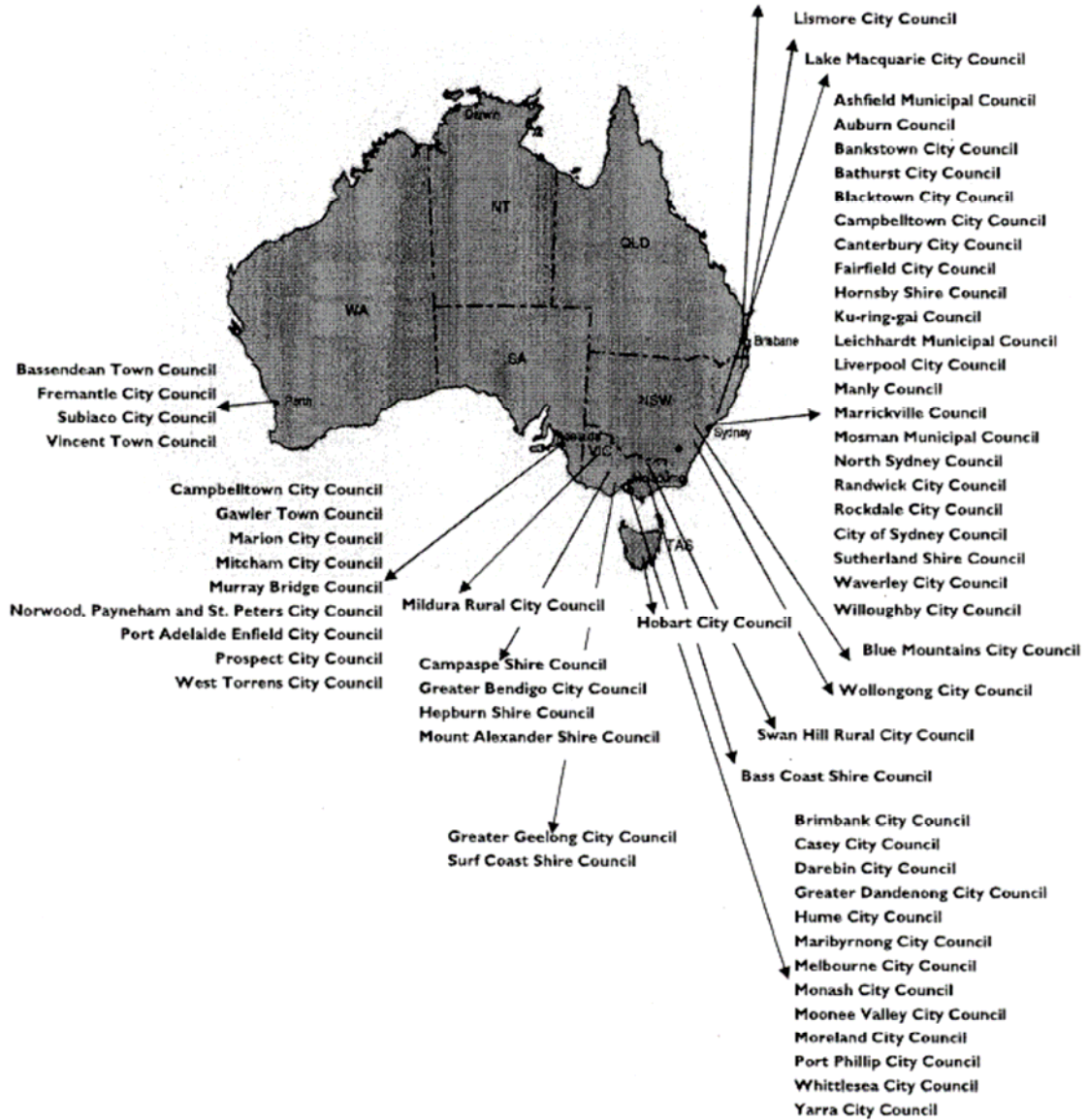
Recommendation:

1. **That Council adopt the Refugee Council of Australia's Refugee Welcome Zone initiative and sign a Declaration that states :**

"This declaration is a commitment in spirit to welcoming refugees into our community, upholding the human rights of refugees, demonstrating compassion for refugees and enhancing cultural and religious diversity in our community"
2. **That the Declaration Certificate be displayed in a prominent position within Council's Administration Centre.**

Attachments:

Map of Refugee Welcome Zones
Total to date - 63



S21 CITY SERVICES SECTION QUARTERLY OPERATIONAL REPORT

Purpose:

To provide Council with a quarterly progress of works and activities undertaken by the various sections of City Services up to 30 March 2008.

Description of Item:

	Budget	Spent	% complete	% budget
Local Road Reseal - Bitumen Program	\$663,000	\$642,005	97	97
Local Road Reseals - Asphalt Program <i>Work complete.</i>	\$85,500	\$85,500	100	100
Local Road Rehabilitation Program <i>A review of program priorities has been completed and advised to Council and is being progressively worked through. It is expected that the rehabilitation of the Albany St pavement between Salamander St and Earl St, and Harbour Dr on the eastbound lane immediately east of Dibbs will carry over into early 2008/09.</i>	\$1,350,534	\$191,492	13	14
Local Roads Dust Seal Program <i>Work complete.</i>	\$170,000	\$170,155	100	100
Local Road Gravel Resheet Program <i>To be completed in next quarter. Duffus Rd, Sherwood Ck Rd, Red Ridge Rd, Range Rd and Condons Rd are to commence late April.</i>	\$195,000	\$89,618	46	46
Roads to Recovery Road Rehabilitation Program <i>To be completed in next quarter.</i>	\$98,906	\$1,639	2	2
Roads to Recovery Gravel Resheet Program <i>Rain delays have been incurred. Work to be completed this quarter.</i>	\$205,000	\$139,804	69	68
Roads to Recovery Reseal Program <i>Rain delays have been incurred. Work to be completed this quarter.</i>	\$198,392	\$131,251	68	67
RTA 3x3 Program <i>Project involves reconstruction of Lyons Rd / Harrisons Rd intersection. It is intended the project will commence in June 2008 and extend into the new financial year and utilise the 2008/2009 3x3 funding. The job has been delayed and additional costs incurred by the discovery of Koori artifacts. The Application for Section 90 has been submitted to the Dept of Environment and Conservation and is awaiting approval. It is likely the construction work will commence in June 2008 and be completed in August 2008.</i>	\$131,000	\$74,750	54	57

S21 - City Services Section Operational Report (Cont'd)

Blackspots Program <i>Includes RTA funding \$300,000 and R2R funding \$20,000. Scope involves culvert and shoulder widening activities on Bucca Road.</i>	\$320,000	\$330,550	100	103
Bridge Program <i>Coldwater Creek construction is underway. Ulong Bridge is currently being planned with commencement planned for June 2008.</i>	\$1,352,082	\$343,167	25	25
Nuisance Drainage Program <i>Park Beach Rd culvert repair has been completed. The majority of works are scheduled for March to June 2008.</i>	\$230,000	\$74,109	30	32
Stormwater Management Services Program <i>17th Avenue, Sawtell is underway and others are programmed to immediately follow.. It is anticipated that some jobs may carryover into 2008/09.</i>	\$630,000	\$115,529	20	19
Footpath Construction Program <i>Scope changed from rolling works program. Toormina Road, Toormina has been completed. It is anticipated the full program will be completed in 2007/08.</i>	\$270,000	\$137,320	67	56
Cycleway Program <i>Work on Woolgoolga Northern Beaches Cycleway near the High St Oval is finished.</i>	\$373,879	\$115,569	30	31
PAMPS Program 2007/08 <i>Works are planned for Arthur St, Coffs Harbour associated with pedestrian movements to Park Beach Plaza.</i>	\$60,000	\$19,260	33	32
Community Facility Program <i>(Excludes Hogbin Drive, CCSLP and City Park). Work has commenced on Sawtell Headland. Work is expected to commence on Woolgoolga and Sawtell Townships in April 2008.</i>	\$3,265,857	\$1,469,551	46	45
Hogbin Drive Extension – Stage 2 <i>Road opened to traffic 1st March 2008. Land acquisition costs to be finalized through the Dept of Lands. Survey of the actual road noise levels due June 2008.</i>	\$17,100,000	\$16,276,831	96	95
Stormwater & Flood Mitigation Program <i>Bakers Road Detention Basin design complete and clay fill for the earthworks is being stockpiled. Contract documents are being written to enable tenders to be called.</i>	\$2,366,465	\$252,389	10	10

S21 - City Services Section Operational Report (Cont'd)

Coastal & Estuary Program <i>Park Beach sand nourishment and harbour dredging completed.</i>	\$425,000	\$53,836	100	8
Street Light Installation Program <i>Ongoing negotiations with Country Energy on street lighting capital costs being undertaken.</i>	\$6,000	\$0	0	0
Alliance Contract Water Reclamation Plant <i>Civil concrete construction is nearing completion</i>	Total \$96mill	\$39mill	41	41
Alliance Contract Water Treatment Plant <i>Earthworks nearing completion, design continuing and Civil Construction underway.</i>	Total \$59mill	\$10.2mill	17	17
Water - New Mains Construction - S64 <i>Water main at Moonee north complete, other major water trunk main about to start construction.</i>	\$3,441,693	\$293,988	9	9
Water - Regional Water Supply <i>Progressing.</i>	\$28,640,410	\$13,018,335	45	45
Water - Capital Works <i>Reservoir painting and telemetry upgrades are continuing.</i>	\$1,085,400	\$139,422	13	13
Water Mains Renewals <i>Sections completed and designs nearing completion for remainder of work.</i>	\$250,000	\$57,478	23	23
Water Main Extensions <i>One job complete and design for remainder nearing completion.</i>	\$50,000	\$21,235	42	42
Sewer - Capital Works <i>Sewer rehab program continues and CCTV rehabilitation van filled out.</i>	\$769,550	\$101,851	13	13
Sewage Pumping Station and Sewer Main Upgrades <i>Minor works completed, designs of major upgrades progressing.</i>	\$869,696	\$68,836	8	8
Reclaimed Water Main Construction <i>Corindi to Arrawarra complete, other designs completed. Coffs Creek to Fishing Club on hold.</i>	\$2,076,420	\$244,963	12	12

Recommendation:

That the quarterly progress report on works and activities undertaken by the various sections of City Services up to 30 March 2008 be noted.

Attachments:

Work Programs 2007/2008

Local Road Reseals 2007/2008

Road	Location	Length (m)	Cost	Start	Complete	Actual Start	Actual Finish	Final Cost
Crossmaglen Road	Bakers Road - End	1750	\$25,200	2008/09	2008/09	Deferred		
Camperdown Street	Harbour Drive - Rail Bridge (180x15.5) (434x11.8)	720	\$31,475	10/07	10/07	3/10/07	3/10/07	
Nepean Close	Manning Avenue-A/C	40	\$1,075	2/08	2/08			
Pearce Drive	Griffith Avenue - Kalang Circuit	391	\$14,139	11/07	11/07	20/11/07	20/11/07	
Pearce Drive	50km Sign - 157m	157	\$5,577	11/07	11/07	2/11/07	2/11/07	
Hull Close	Pearce Drive - A/C	124	\$2,897	11/07	11/07	2/11/07	2/11/07	
Kalang Circuit	Pearce Drive - A/C	167	\$3,901	11/07	11/07	20/11/07	20/11/07	
Bolwarra Road	Kalang Circ- Cul-de-sac	52	\$1,498	11/07	11/07	20/11/07	20/11/07	
Griffith Avenue	Lesley Cl - Lyle Campbell Close	264	\$8,617	11/07	11/07	20/11/07	20/11/07	
Long Street	Alexander Street - Francis Street	293	\$5,251	11/07	11/07	16/10/07	16/10/07	
Halls Road	Mt Pleasant Road - A/C	159	\$5,953	2008/09		Deferred		
Ocean Parade	Rehab Section Seg11Second Coat	278	\$6,227	11/06	11/06	22/11/06	22/11/06	
Lloyd Close	Vera Drive - A/C	171	\$5,089	11/07	11/07	2/11/07	2/11/07	
Richmond Drive	Diggers Beach Road - Macleay Place	323	\$11,014	2/08	2/08	Deferred		
Richmond Drive	Macleay Place - Brunswick Ave	37	\$1,980	2/08	2/08	Deferred		
Richmond Drive	Brunswick Avenue - End	55	\$3,025	2/08	2/08	Deferred		
Coombar Close	Diggers Beach Rd - Cockle Court	88	\$2,816	11/07	11/07	22/11/07	22/11/07	
Coombar Close	Cockle Court - End	120	\$3,840	11/07	11/07	22/11/07	22/11/07	
Clipper Court	Diggers Beach Rd-End	29	\$863	11/07	11/07	22/11/07	22/11/07	
Trader Close	Diggers Beach Rd-End	91	\$2,854	11/07	11/07	22/11/07	22/11/07	
Vera Drive	Mackays Rd - Dutton Cr South	100	\$3,360	2/08	2/08	16/10/07	16/10/07	
Vera Drive	Dutton Crescent South - Nina Cl	101	\$3,620	2/08	2/08	16/10/07	16/10/07	
Vera Drive	Nina Close - Dutton Cr South	246	\$8,817	11/07	11/07	16/11/07	16/11/07	
Vera Drive	Dutton Cr North - Lloyd Close	116	\$4,157	11/07	11/07	2/11/07	2/11/07	
Dutton Crescent	Vera Dr North - Vera Dr South	377	\$14,477	11/07	11/07	16/10/07	2/11/07	
Kotuku Street	West End - Taldra St	120	\$3,533	11/07	11/07	16/10/07	16/10/07	
Kotuku Street	Taldra Street - East	264	\$7,772	10/07	10/07	16/10/07	16/10/07	
Taldra Street	Beryl Street - Kotuku St	80	\$3,328	10/07	10/07	16/10/07	16/10/07	
Wingfield Close	Brodie Drive - End	67	\$2,208	10/07	10/07	15/10/07	15/10/07	
Solitary Street	Victoria St - Jarrett St	164	\$2,309	2008/09		Deferred		
Wingara Drive	Frazer Drive - Frazer Drive North	178	\$11,125	2008/09		Deferred		

Road	Location	Length (m)	Cost	Start	Complete	Actual Start	Actual Finish	Final Cost
Wingara Drive	Cook Drive - Frazer Dr	177	\$11,063	2008/09		Deferred		
Short Street	Bent Street - Victoria St	249	\$3,984	2008/09		Deferred		
Harbour Drive	Curacoa St - North St	153	\$11,261	10/07	10/07	15/10/07	15/10/07	
Mackays Road	Beryl Street - Donn Patterson Drive	95	\$3,344	10/07	10/07	16/10/07	16/10/07	
Mackays Road	Donn Patterson Drive - Finch Crescent	44	\$1,577	2008/09		Deferred		
Mackays Road	Finch Crescent - Aston Close	68	\$2,437	2008/09		Deferred		
Mackays Road	Aston Cr - Vera Dr South	91	\$3,291	2008/09		Deferred		
Island View Close	SH10 to End	220	\$7,181	1/08	1/08	Deferred		
Harbour Drive	Dibbs S - End Split Level	64	\$4,014	Removed Rehab		Deferred		
Gordon Street	St Augustines School - Bonville Street	100	\$2,339	2008/09		Deferred		
Bruxner Park Road	3.225 - 3.617	392	\$7,777	1/08	1/08	29/01/08	29/01/08	
Rippingale Road	Rowsells Road - End	629	\$6,038	1/08	1/08	22/11/07	22/11/07	
Rowsells Road	Rippingale Road - End	309	\$3,164	1/08	1/08			
James Small Drive	Plantain Road - SH10	206	\$4,496	1/08	1/08	22/11/07	22/11/07	
Laurel Street	Links Ave - Parks Drive	106	\$2,730	1/08	1/08	Deferred		
Bellwood Street	Korora Bay Drive - End	47	\$1,958	1/08	1/08	1/02/08	1/02/08	
Korora Bay Drive	Sandy Beach Drive - Links Avenue	125	\$4,000	1/08	1/08	1/02/08	1/02/08	
Korora Bay Drive	Links Ave - Miranda Pl	82	\$2,099	1/08	1/08	1/02/08	1/02/08	
Korora Bay Drive	Miranda Place - Sandy Beach Drive	96	\$2,272	1/08	1/08	1/02/08	1/02/08	
Miranda Place	Korora Bay Drive - End	43	\$1,792	1/08	1/08	1/02/08	1/02/08	
Poynten Drive	Emerald Heights Drive - 300m	300	\$5,952	2/08	2/08	Deferred		
Heritage Drive	Killara Ave-Sharpe Close	260	\$8,486	2/08	2/08	Deferred		
Heritage Drive	Sharpe Cl -Pinehyrst Dr	535	\$10,614	2/08	2/08	Deferred		
Upper Orara Road	Seg 1 589-Island Loop Road North	225	\$4,464	2008/09		Deferred		
Heritage Drive	Pinehyrst Drive-Palm Grove Place	708	\$15,859	2008/09		Deferred		
Heritage Drive	Palm Grove Place - Lyndhurst Close	444	\$10,230	2008/09		Deferred		
Palm Grove Place	Heritage Drive - 223m	223	\$5,138	2008/09		Deferred		
Woolgoolga Creek Rd	690-1040	350	\$6,944	2008/09		Deferred		
Moore Street Wga	Nash Street - A/C	242	\$4,259	2008/09		Deferred		
Newmans Road	Start D/S - End D/S (Part 2) 1752-2620	867	\$17,201	2008/09		Deferred		
Woolgoolga Creek Rd	1497-2427 Second Coat Dust seal	1041	\$18,405	2008/09		Deferred		
Oceanview Crescent	Flagstaff - Fiddaman Road	345	\$6,845	2008/09		Deferred		
First Avenue	Arrawarra Road - End	184	\$2,061	2008/09				
Second Avenue	Arrawarra Rd - Third Ave	264	\$3,886	2008/09		Deferred		

Road	Location	Length (m)	Cost	Start	Complete	Actual Start	Actual Finish	Final Cost
Third Avenue	Arararra Road - Second Avenue	350	\$5,152	2008/09		Deferred		
Old Highway B	SH10 to Eggins Drive	292	\$5,699	2008/09		Deferred		
Graham Drive	SH10 North - Diamond Head Drive	1853	\$40,321	2008/09		Deferred		
Dairyville Road	6752-7487 (Seg 5)	735	\$12,936	2/08	2/08	22/01/08	22/01/08	
Dairyville Road	Seg 6 Bridge - End (7506-7820)	314	\$3,014	2/08	2/08	Deferred		
Mount Browne Road	Seg 3 Rail Bridge - Jaboh Close	420	\$5,779	2008/09		Deferred		
Ulong School Lane	Hutchison Street - End	100	\$1,280	2008/09		Deferred		
Timmsvale Road	Pine Rd - End Dust seal	230	\$3,974	2008/09		Deferred		
Island Loop North	3033-4344 Dingo Creek Rd	1315	\$21,040	2/08	2/08	23/01/08	23/01/08	
Coldwater Creek Rd	Brewers Road-925m	925	\$15,984	2008/09		21/01/08	21/01/08	
Lourne Avenue	Mirroola Crescent-End	185	\$7,104	2008/09		Deferred		
Janari Crescent	Lourne Avenue - End	226	\$7,449	2008/09		Deferred		
Vista Close	Newmans Road - End	88	\$2,028	2008/09		Deferred		
Shelton Close	McFadyen Street - End	318	\$9,779	2008/09		Deferred		
Walsh Close	Shelton Close - End	121	\$3,341	2008/09		Deferred		
Tucker Close	East - West	232	\$6,904	2008/09		Deferred		

AC Cul de Sacs and Hogbin Dr Extension

Location	Length	Cost	Start	Complete	Actual Start	Actual Finish	Final Cost
Hogbin Dr Extension	1300	232,176					
Flinders Avenue	23	\$4,370	9/07	9/07	10/9/07	10/9/07	
Caltowie Place	20	\$3,800	9/07	9/07	10/9/07	10/9/07	
Collison Close	30	\$5,700	2008/09				
Cockle Court (Diggers)	20	\$3,800	9/07	9/07	13/9/07	13/9/07	
Coombar Close (Diggers)	16	\$3,040	9/07	9/07	13/9/07	13/9/07	
Trader Close (Diggers)	16	\$3,040	9/07	9/07	14/9/07	14/9/07	
Clipper Court (Diggers)	18	\$3,420	9/07	9/07	14/9/07	14/9/07	
Langley Close (Diggers)	19	\$3,610	9/07	9/07	13/9/07	13/9/07	
Macleay Place	31	\$5,890	9/07	9/07	13/9/07	13/9/07	
Lloyd Close	31	\$5,890	9/07	9/07	12/9/07	12/9/07	
Narani Close	29	\$5,510	9/07	9/07	12/9/07	12/9/07	
Wingfield Close	31	\$5,890	9/07	9/07	10/9/07	10/9/07	
Kotuku Street North	12	\$2,280	9/07	9/07	12/9/07	12/9/07	
Kotuku Street East	15	\$2,850	9/07	9/07	12/9/07	12/9/07	
Kotuku Street West	16	\$3,040	9/07	9/07	10/9/07	10/9/07	
Island View Close	15	\$2,850	9/07	9/07	14/9/07	14/9/07	
Crescent Street Toormina	20	\$3,800	9/07	9/07	10/9/07	10/9/07	
Shaw Close Toormina	15	\$2,850	9/07	9/07	10/9/07	10/9/07	
Walsh Close	15	\$2,850	9/07	9/07	10/9/07	10/9/07	
Shelton Close	16	\$3,040	9/07	9/07	10/9/07	10/9/07	
Total (Reseals and AC)		\$663,000			Cost to Date		\$ 642,005

Roads to Recovery Local Road Reseals

Location		Area	Cost	Start	Complete	Actual Start	Actual Finish	Final Cost	
Combine Street	Dyer Rd- Dark Close	1175	\$48,488	10/07	10/07	4/10/07	15/10/07		
Edinburgh Street	Moore St – Collingwood St	472	\$25,053	12/07	12/07	10/12/07	10/12/07		
Taloumbi Road	Kane Crescent – Bray Street (W)	589	\$34,289	5/08	5/08				
Bruxner Park Road	SH10-1.937	1937	\$38,430	1/08	1/08	29/01/08	29/01/08		
Gaudrons Road	1.955 km – 3.175 km	1220	\$19,520	1/08	1/08	29/01/08	29/01/08		
Emerald Heights Drive	Graham Drive – End	1350	\$32,612	1/08	1/08	3/04/08	3/04/08		
Total			\$198,392					Cost to Date	\$131,251

Local Road Rehabilitation 2007/2008

Location		Suburb	Length	Cost	Start	Complete	Actual Start	Actual Finish	Final Cost	
Clarence Street	SH10-River Street	Woolgoolga	222		Deferred					
Hamilton Drive	Sawtell Road-End	Sawtell	337	\$51,898	2/08	3/08	10/04/08	18/04/08		
Grafton Street	Albany Street-Market Street	Coffs Harbour	290		Deferred					
Fraser Drive	Wingara Drive-Wingara Dr-1/2 length	Coffs Harbour	275	\$125,125	6/08	6/08				
Park Beach Road	Hogbin Drive Nth - Ocean Parade	Coffs Harbour	80	\$32,400	3/08	3/08				
Headland Road	Beach Road - End	Sapphire	324		Deferred. Major construction required					
Beach Road	Headland Road - End	Sapphire	358							
Lakeside Drive	Beach Road - End	Sapphire	140							
Trafalgar Street	Nightingale-Carrington Street	Woolgoolga	340	\$52,360	3/08	4/08				
Lower Bucca Road	Highway - Old Bucca Road	Bucca	760	\$88,920	5/08	6/08				
Glenreagh Street	Harbour Drive RAB - End	Coffs Harbour	253		Deferred					
Albany Street	Curacoa Street - Earl Street	Coffs Harbour	68	\$93,000	4/08	5/08				
Albany Street	Salamander Street - Curacoa Street	Coffs Harbour	125	\$95,914	4/08	5/08				
High Street	Cul de sac Construction	Woolgoolga	Various	\$51,360	3/08	4/08				
Bray St	Taloumbi east to Taloumbi west	Coffs Harbour		\$159,900						
Harbour Dr	Dibbs to Barries St, eastbound	Coffs Harbour		\$228,123						
Total				\$979,000					Cost to Date	\$191,492

Gravel Roads Resheet Program 2007/2008

Local Roads Gravel Resheet Program

Road	Location	Length (m)	Cost	Start	Complete	Actual Start	Actual Finish	Final Cost	
Red Range Road (Seg 1)	0.84km -2.15km north of Sherwood Creek Rd	2400	\$12,000	4/08	4/08				
Red Range Road (Seg 2)	4.18km-4.42km north of Sherwood Creek Rd	1400	\$7,000	4/08	4/08				
Range Road	Selected Sections	1400	\$7,000	4/08	4/08				
Moleton Road	Selected Sections	4000	\$20,000	4/08	4/08	9/07	9/07	20,500	
Sherwood Creek Road	1.37km - 1.53km west of Duffus Road	1000	\$10,000	4/08	4/08				
Sherwood Creek Road	2.55km - 3.06km west of Duffus Road	3060	\$20,000	4/08	4/08				
Bushmans Road	Selected Sections	1500	\$15,000	4/08	4/08	9/07	9/07	22,000	
Old Coast Road	Selected Sections	1600	\$16,000	2/08	3/08				
McClellands Road	Bucca Road-Herds Rd	1500	\$10,000	2/08	3/08	Deferred			
Gleniffer Road	Selected Sections	3000	\$38,000	4/08	4/08	2/08	2/08	39,000	
Fridays Creek Road	Selected Sections	3000	\$20,500	4/08	4/08	3/08	3/08	20,600	
Duffus Road	North Sherwood Creek Rd 0.6 - 1.14	3000	\$15,000	4/08	4/08				
		Total	\$195,500					Cost to Date	\$89,618

Roads To Recovery Gravel Road Resheet Program

Location	Length	Cost	Start	Complete	Actual Start	Actual Finish	Final Cost		
Duffus Road	Sherwood Creek Road - North	1500	\$22,500	4/08	4/08				
Lovetts Road	Korora Basin Road – End	2800	\$42,000	Deferred					
Camp Creek Road	Bridge – 400m	2000	\$30,000	4/08	4/08	12/07	01/08		
Condons Road	Holloways Road – Bitumen	1700	\$25,500	4/08	4/08				
Upper Bobo Road	Between Seals	2300	\$34,500	4/08	4/08	3/08	3/08		
Lower Bobo Road	MR120 – 560m	3370	\$50,500	4/08	4/08	2/08	2/08		
Camp Ck Rd	Bridge to 800m	2800	\$42000	1/08	1/08	1/08	1/08		
		Total	\$205,000					Cost to Date	\$ 139,808

2007/2008 Dust Seal Program

Location	Length	Cost	Start	Complete	Actual Start	Actual Finish	Final Cost		
Mount Coramba Road	29.6 - 550m	550	\$40,000	12/07	1/08	12/07	1/08		
West Korora Road	Gatelys to 436m	436	\$35,316	12/07	1/08	12/07	1/08		
Mardells Road	3.05km to 3.61km from Central Bucca Road	560	\$59,684	12/07	1/08	12/07	1/08		
Mardells Road	4.163-4.463	300	\$35,000	12/07	1/08	12/07	1/08		
		Total	\$170,000					Cost to Date	\$170,155

2007/2008 Bridge Program

Bridge Name	Treatment	Cost	Start	Complete	Actual Start	Actual Finish	Final cost
Corindi Ck Br Corindi	Included in Community Facilities Program						
Middle CK Br Sawtell	Included in Community Facilities Program						
Coldwater Creek Nana Glen MR151	Replacement . A report will be submitted to Council in February 08 detailing this project	\$450,000	1/08	6/08	1/08		\$247,150
Englands Road Coffs Harbour	Replacement deferred to 2008/09. Funds transferred to Corindi Ck	\$90,000	2008/09				\$226
Ulong Creek Ulong MR120	Replacement	\$585,000	1/08	6/08	1/08		\$11,764
Major Repairs	Major Repairs plus Morrows	\$40,000	6/07	12/07	9/07	12/07	\$51,656
Finlays Bridge Korora	Defer to 2008/09. A report will be submitted to Council in February 08 detailing this project	\$67,082	7/07	2008/09			\$6,500
Duffus Bridge Corindi	Replacement planning in progress. A report will be submitted to Council in February 08 detailing this project	\$120,000	7/07	6/09			\$25,871
Total		\$1,352,082	Cost to Date				\$343,167

Drainage Program 2007/2008

Minor Flooding/Nuisance Drainage Program

Location	Treatment	Cost	Start	Complete	Actual Start	Actual Finish	Final Cost
Coffs Harbour Bent Street	Piping of multiple table drains on footway	\$42,000	12/07	1/08	04/08		\$13,849
Woolgoolga Hastings Street	Piping of deep table drain outside school	\$27,000	12/07	12/07			
Woolgoolga Beach Street	Piping of channel scouring private property	\$47,000	11/07	11/07			
Emerald Beach Graham Drive	Restoration of heavily scoured channel	\$15,000	12/07	12/07	12/07	12/07	\$12,888
Coffs Harbour Angus McLeod Place	Formation of drainage swale through railway land	\$20,000	1/08	1/08	4/08		
Coffs Harbour Park Beach Road	Reconstruction of failing headwalls	\$32,000	10/07	11/07	01/08	03/08	47,372
Coffs Harbour Marcia Street	Improve culvert	\$47,000	4/08	5/08			In conjunction with SMS Program
Total		\$230,000	Cost to Date				\$74,109

NOTE: SMS refers to Stormwater Management Services Program

Stormwater Management Services Program

Location		Treatment	Cost	Start	Complete	Actual Start	Actual Finish	Final cost
Sawtell	17 th Avenue	Piping of open drain within laneway	\$33,000	1/08	2/08			\$5,130
Sawtell	Middle Ck	Provision of litter trap at trunk drain outlet approximately 200m upstream of Lyons Road	\$37,000	2/08	2/08			\$114
Mullaway	The Boulevarde	Provision of piped trunk drainage	\$155,000	9/07	10/07			\$0
Safety Beach	Graham Drive	Scour repair associated with drainage easement	\$29,000	12/07	12/07	2/08	3/08	\$9,723
Coffs Harbour	Macauleys Beach	Stabilisation of drainage outlet to resolve scouring issues	\$41,000					\$0
Coffs Harbour	Park Beach Road	Formalisation of headwall to prevent further deterioration and potential damage to road	\$25,000	10/07	11/08	1/08	03/08	\$41,135
Coffs Harbour	Marcia Street	Detention basin to reduce impact of minor rainfall events on Industrial units	\$115,000	4/08	5/08			\$0
Coffs Harbour	Taloumbi Road	Additional inlet pits and piped drainage	\$65,000	11/07	11/07	1/08		\$5,930
Coffs Harbour, Sawtell, Woolgoolga	Pipe Drainage Maintenance	Ongoing cleaning and maintenance of drainage infrastructure above existing maintenance levels	\$32,000	1/08	6/08			\$17,555
Coffs Harbour, Sawtell, Woolgoolga	Open Drain Maintenance	Ongoing cleaning and maintenance of drainage infrastructure above existing maintenance levels	\$23,000	1/08	6/08			\$18,678
Coffs Harbour, Sawtell, Woolgoolga & Northern Beaches	Drainage data, condition assessment and formulation of work programs	Collection and collation	\$75,000	7/07	6/08	7/07		\$17,265
Stormwater Management Services Total			\$630,000	Cost to Date			\$115,529	

2007/2008 Stormwater & Flood Mitigation Program

	Cost	Start	Complete	Actual Start	Actual Finish	Final Cost
Coffs Creek Flood Mitigation - CBD Improvements	\$100,000	4/08	4/09			
Bakers Road Detention Basin	\$1,732,465	3/07	12/08	3/07		252,389
Upper Shephards Lane Detention Basin (Stage 1)	\$410,000	2009	2011			
Orara River Flood Study (Stage 1)	\$50,000	5/08	5/09			
Woolgoolga Creek Flood Study (Stage 1)	\$74,000	5/08	5/09			
Total	\$2,366,465	Cost to Date			\$252,389	

2007/2008 Coastal & Estuary Program

2007/2008 Coastal & Estuary Program	Estimated Cost	Start	Complete	Actual Start	Actual Finish	Final Cost
Harbour Dredging/Park Beach renourishment	\$350,000	2/08	2/08	2/08	2/08	\$412,000
Boambee/Newports Creek EMP**	\$25,000	3/08	4/09			\$0
Review Woolgoolga Creek / Lake EMP (Stage 1)	\$50,000	5/08	5/09			\$0
Total	\$425,000	Cost to Date				\$5,502

** Funded from Environmental Levy Program

2007/2008 Footpath Construction Program

Suburb	Location	Work Description	Cost	Start	Complete	Actual Start	Actual Finish	Final Cost
2007/2008								
Coffs Harbour	Orlando St	SH10 to Secomb	\$47,770	5/08	5/08			
Coffs Harbour	Donn Patterson Dr	Griffith Road to Shephards Lane	\$36,000	6/08	6/08			
Woolgoolga	Queen St	Market St to Queen St	\$22,500	4/08	4/08			
Sawt / Toor / Boambee	Toormina Road (east), Dews Avenue to Bayldon Community Centre	Install 1.2m wide foot paving, 400m	\$75,848	12/07	2/08	12/07	2/08	\$77,285
Sawt / Toor / Boambee	Amaroo/Euengella Street (west/north), Childrens Crossing to Nariah Crescent	Install 1.2m wide foot paving, 370m	\$58,682	9/07	10/07	9/07	10/07	\$60,035
Various	PAMPS	CHCC contribution to match RTA Grant	\$5000	6/08	6/08			
Coffs Harbour	Cornish Street	Thompsons Road to Fleming Cl	\$25000	6/08	6/08			
Coffs Harbour	Joyce Street (east), Beryl Street to Tyalla Public School	Install 2m wide foot paving, 600m	\$24,200	Deferred				
Sandy Beach	Graham Drive (east), Johnsons Road to Diamond Head Drive	Install 1.2m wide foot paving, 450m	\$0	Deferred				
Saw / Toor / Boam	Cavanba Road (east), from Eungella Street to Jeffress Place	Install 1.2m wide foot paving, 200m	\$0	Deferred				
Coffs Harbour	Gordon Street (east), Raleigh Street to Bonville Street	Install 1.2m wide foot paving, 250m	\$0	Deferred				
Coffs Harbour	Francis/Gundagai/Scarba Street (north), Francis Street to Murdock St	Install 1.2m wide foot paving, 400m	\$0	Deferred				
Total			\$270,000	Cost to Date			\$137,320	

2007/2008 Cycleway Program

Location	Road	Description	Cost	Start	Complete	Actual Start	Actual Finish	Final Cost
Arararra / Woolgoolga	Safety Beach	Golf Course Fence	\$45,831	1/08	2/08	1/08		\$35,000
Coffs Harbour, SH10	Hurley Dr to Cook Dr	Cook Drive Intersection	\$28,048	11/07	3/08	11/07		\$2,074
Lyons Road	Missing Links	Awaiting RTA grant approval	\$50,000	Deferred				
Northern Beaches	Wharf St to Nightingale / High St	2m cycleway and 3 creek crossings	\$250,000	2/08	4/08			\$78,495
Total			\$373,879	Cost to Date				115,569

2007/2008 PAMP Projects

Suburb	Location	Work Description	Cost	Start	Complete	Actual Start	Actual Finish	Final Cost
Coffs Harbour	Arthur St at Park Beach Plaza Entrance roads	Pedestrian Refuge islands	\$30,000	3/07	4/07			
Sandy Beach	Adjacent to Sandy Beach School	Kerb and gutter with access ramps	\$20,000	12/07	12/07	10/12/07	14/12/07	\$19,260
Various locations Coffs Harbour City	From Priority list in rolling works program.	Kerb ramps	\$10,000	1/07	4/07			
Total			\$60,000	Cost to Date				\$ 19,260

2007/2008 Street Light Installation Program

Suburb	Location	Cost	Start	Complete	Actual Start	Actual Finish	Final Cost
Korora	Norman Hill Drive	\$2,000	3/08	7/08			
Sandy Beach	Sandy Beach Drive (2 locations)	\$2,000	3/08	7/08			
Toormina	Minorie Drive	\$2,000	3/08	7/08			
Total		\$6,000	Cost to Date				\$0

2007/2008 Community Facilities Program

Location	Road	Cost	Start	Complete	Actual Start	Actual Finish	Final Cost
Hogbin drive	Harbour drive to Orlando St	\$17,100,000	1/4/06	22/12/07	1/4/06	29/2/08	\$16,276,831
City Park	Brelsford park	\$2,700,000					\$10,545
Nana Glen	Town Improvements	\$329,532	5/08	7/08	5/07	4/08	\$223,696
Nana Glen	Pool	\$171,786	6/07	12/07	6/07	12/07	\$220,118
Woolgoolga	River St Improvements, Market St Footpath	\$396,311	3/08	5/08			\$98
Sawtell Headland	Toilet, fence, path road and car park	\$379,754	12/07	6/08	12/07		\$31,394
Sawtell	Town Improvements	\$293,947	3/08	6/08			\$12,657
Coffs Harbour	Jetty Strip Improvements	\$75,117	7/07	9/07	7/07	2/08	\$43,590
Coffs Harbour	Jetty Structure Restoration	\$105,418	4/08	6/08	07/07		\$1,741
Sawtell	Middle Ck Bridge Repl.	\$37,526	4/06	7/07	4/06	7/07	\$265,042
Corindi	Coral St Bridge Repl.	\$527,702	2/07	6/07	7/07	11/07	\$670,393
Total		\$23,065,857	Cost to Date				\$17,756,105

Water & Sewer

	Estimated Cost	Start	Complete	Actual Start	Actual Finish	Final Cost
Water - New Mains Construction - S64:	\$3,441,693					
Moonee Beach North Trunk Main - Stage 1	\$40,000	11/07	12/07	11/07	12/07	\$38,000
Trunk Water Mains, Sapphire to Moonee		02/08	06/08	2/08		
Water - Regional Water Supply	\$24,640,500	7/07	6/08			
Water - Capital Works:	\$1,085,400					
Casuarina Lane Causeway Stabilisation Works	\$40,000	2/08	6/08			
Casuarina Lane Fishway	\$18,000	12/07	9/08			
Reservoir Painting and Maintenance Program	\$783,800	7/07	ongoing			
Telemetry Upgrade	\$243,600	7/07	ongoing			
Water Main Renewals:	\$250,000					
Bay Dr - New pipework in Bay Dr to Resort via footbridge	\$37,000	4/08	6/08			
Bay Dr - Resort Dr to existing 150 main	\$75,000	4/08	6/08			
Links Ave - Norman Hill Dr to Kotora Cl 375m of 225mm	\$83,000	5/08	5/08			
Corindi Beach bridge replacement	\$34,000	4/07	5/07	10/07	11/07	\$33,400
Water Main Extensions:	\$50,000					
Meadow View to Oscar Ramsey 100mm of 220m	\$30,000	6/08	7/08			
Jordan Esplanade extend exist. & connect 50mm service to Boat Ramp	\$20,000	9/07	9/07	9/07	9/07	\$21,325
Sewer - Capital Works:	\$848,250					
Telemetry Switchboard and SCADA Upgrade Program	\$78,700	7/07	ongoing			
Sewer Rehabilitation	\$769,550	7/07	ongoing			
Sewage Pump Station and Sewer Main Upgrades:	\$1,090,000					
Storage Well For PS 7 Arthur St - (include with SPS 17 upgrade)	\$265,000	deferred				
San Francisco Ave PS 17 (new) & sewer main to close PS 16	To be costed	deferred				
Renew existing 150 dia DI SRM 3 crossing Coffs Ck bridge	\$17,500	2/08	3/08			
Reclaimed Water Main Construction:	\$2,076,420					
Corindi to Arrawarra Reclaimed Pipeline	\$800,000	3/07	5/07	8/07	10/07	\$467,000
Coffs Creek Bridge to Fishing Club - Jordan Esplanade	\$600,000	deferred				
Hogbin Dr to Botanic Gardens via Salamander & North St	\$230,000	5/08	6/08			
North St to Brelsford Park via Harbour Dr	\$30,000	5/08	6/08			
Total	\$33,482,263			Cost to Date		\$559,725

S22 DELIVERY OF THE BRIDGE REPLACEMENT PROGRAM - COLDWATER CREEK BRIDGE

Purpose:

To advise Council on the progress of the current bridge replacement program, demonstrate the market expectations of the cost of bridge works and to advise of the proposed funding arrangements for Coldwater Creek Bridge replacement works.

Description of Item:

As part of the Timber Bridge Replacement Program administered by the RTA, Operations Branch has commenced work on Coldwater Creek Bridge, approximately 3km west of Nana Glen on the Orara Way.

The project involves the construction of a 2 lane bridge, 16m long and 12m wide. The bridge consists primarily of precast components, 14 precast concrete piles as well as 18 prestressed planks. The supply of both the design of bridge as well as the precast components has been through Richmond Valley Council (RVC).

The works are being undertaken by Council's Bridge Crew. Currently the Bridge Crew has installed a temporary bridge and side tracks, undertaken pile driving of the 14 piles, demolished the existing bridge and are currently scabbling the concrete precast piles to the correct height, such that the abutments can be formed and poured. Once the abutments have been poured and cured sufficiently, the precast girders will be placed, grouted and stressed, the traffic barriers will be installed with any approach works and the temporary bridge removed to complete the project. It is anticipated that this project will be completed by late May, weather permitting.

In order to verify market expectations for the most cost effective delivery of this project, Council staff went through the exercise of comparing cost estimates of Council's Bridge Crew, Richmond Valley Council and a Quantity Surveyor for the replacement of Coldwater Creek Bridge. The following construction estimates were obtained.

CHCC Bridge Crew	\$ 630,000	
Richmond Valley Council	\$ 600,000	RVC provided a figure of \$390,000 which needed to be extrapolated to include works that were excluded as part of their estimate.
Quantity Surveyor	\$ 650,000	

This process revealed that there is commonality between the cost of bridge construction on the Mid North Coast and also demonstrates a substantial degree of escalation of costs from previous bridge construction works.

Next financial year it is proposed that Council test the market by having one of the two bridges programmed for replacement to be out-sourced by open tender. Preliminary discussions with Bellingen Shire Council have been favourable with a view to undertaking joint tenders for the replacement of two bridges on the Eastern Dorrigo Way (one found in each LGA). It is hoped that this will reduce tender costs as well as attract more competitive tenders. By tendering to an external contractor, Council will have another instance by which it can benchmark bridge replacement costs with similar constructability issues. Council will also liaise with Richmond Valley Council to provide supervisory staff to help refine the bridge construction techniques undertaken by Council's Bridge Crew.

Sustainability Assessment:

- **Environment**

Bridge works generally have a localised footprint on the environment with such issues as sedimentation of waterways, clearing of vegetation and loss of habitat addressed through the environmental assessment process. In the context of Coldwater Creek Bridge replacement works, Council staff have installed all necessary sedimentation control, liaised with the Aboriginal Lands Council, will protect sensitive riparian areas of the watercourse and will restore the area as close to its original condition as possible.

- **Social**

Bridges are recognised as key pieces of infrastructure on the road network, generally as a result of the catastrophic consequences that may occur if one was to fail. In a social sense these consequences may be the isolation of communities to essential services, such as emergency services, waste collection, postal service as well as the disruption and inconvenience of driving alternate routes. In the context of Coldwater Creek, the Orara Way forms a major link between Coffs Harbour and the outlying communities, as well as being an alternate route for the Pacific Highway (between Coffs Harbour and Grafton).

- **Economic**

As described above, the consequence of bridge failure can be quite severe. In an economic context, transport routes are effected, in turn changing the financial viability of many business as well as potential lost opportunities.

Management Plan Implications

Following the finalisation of the design drawings for Coldwater Creek Bridge, Council staff determined construction costs to be in the order of \$630,000. Unfortunately the RTA have recently confirmed that \$232,000 is all that they are willing/able to contribute.

As such the following funding arrangements are proposed for the works:

\$ 232,000	RTA (Timber Bridge Partnership Program)	<i>(Existing Allocation)</i>
\$ 200,000	Auslink Program (DOTARS)	<i>(Existing Allocation)</i>
\$ 25,000	CHCC Revenue	<i>(Existing Allocation)</i>
\$ 96,000	RTA Block Grant	<i>(Proposed Allocation)</i>
\$ 37,000	Roads to Recovery Program Supplementary	<i>(Proposed Allocation)</i>
<u>\$ 46,000</u>	Roads to Recovery Program (08/09)	<i>(Proposed Allocation)</i>
\$ 630,000	TOTAL	

The \$25,000 from CHCC is contained in the 2007/08 budget.

Consultation:

Council's Finance Branch has been consulted with in relation to the viability of the proposed funding arrangements.

Issues:

By allocating external funding towards this particular project, other road improvement / maintenance works may be waylaid. However, by comparison these projects (such as reseals and road rehabilitation) are far less critical than the renewal of this structure.

Recommendation:

That Council:

- 1. Note that steps are being taken to ensure the most cost effective delivery of the Bridge Program is being achieved.**
- 2. Endorse the proposed funding arrangements for the Coldwater Creek Bridge replacement works.**
- 3. Continue to pursue alternate sources of funding to supplement the Bridge Replacement Program.**

S23 REPORT ON RECLAIMED WATER PRICING

Purpose:

To report on the option of charging for reclaimed water.

Description of Item:

Council has a long history of the provision of reclaimed water dating back to the early 1990's. Coffs Harbour is recognised as a leader in the use of reclaimed water. Council has approximately 60km of reclaimed water mains, including the trunk main that runs from Woolgoolga to Coffs Harbour, as well as a 5 Megalitre (ML) reservoir. In 2007 Council supplied over 280ML of reclaimed water to 38 users external to the Water Reclamation Plants. That reclaimed water has replaced the use of potable, creek, river, dam and ground water and has resulted in a reduction of reclaimed water discharged through the deep sea release.

In 1999, Council adopted a Reclaimed Water Strategy and has achieved all the short and medium term goals of this Reclaimed Water Strategy. The long term objective in the Strategy was to '*maximise reuse consistent with the community views*'. The strategy recommended that in the medium to long term, Council should introduce reclaimed water charging.

In Council's '*Reclaimed Water Current Status and Future Options Report*' (CEENA 2006), the following was recommended for reclaimed water charges.

"It is recommended that recovery of operation costs for supply of reclaimed water to users property boundary be investigated and the following issues be considered:

- *Charging practices elsewhere in Australia*
- *Need for cost recovery*
- *Quality and benefits of reclaimed water and the potential impacts of charging for water, for example:*
 - *Employment Benefits*
 - *Economically viable industry (eg horticulture)*
 - *Reduced discharge to the environment*
 - *Extended life expectancy of other sewerage infrastructure*
 - *Pumping cost savings (energy use, green house gasses)*
 - *Impact on discharge quantities*
 - *Potable Water Saving."*

Charging Elsewhere in Australia

Council made an enquiry through the NSW Water Directorate regarding charging for reclaimed water by local water utilities. Seven replies were received as follows:

Gunnedah –	Charge 9c/kL to a cotton farm
Kyogle -	No charge
Lockhart -	54c/kL
Moree Plains –	10.8c/kL
Richmond Valley -	\$1.00/ML (0.1c/kL) or no charge
Temora	20c/kL
Young	No charge and reimburse Golf Club \$6,000/year in electricity costs.

S23 - Report on Reclaimed Water Pricing (Cont'd)

In addition to this recent enquiry, a similar survey was conducted in 2006 by others. Responses additional to the above are:

Byron	No Charge to 2010, and 1c/kL after that
Clarence Valley	No Charge
Carrathool	No Charge
Parks	No Charge
Gwydir	12c/kL
Tweed	No Charge

Need for Cost Recovery

In the Sewerage Strategy, Council made a community-backed decision that all water produced at the Water Reclamation Plants would be equivalent to the reclaimed water standard, even water that is released to the environment through the deep sea release.

Therefore additional costs involved for the supply of reclaimed water to users consist of pumping and piping costs, booster chlorination at Morgans Road and chlorination costs at the new Coffs Harbour WRP. Council generally does not charge for supply pipework where it is seen that the benefit will be to several users as well as Council. In the event that a prospective user remote from existing sources requests supply of reclaimed water, that prospective user will be expected to contribute to the cost of the infrastructure.

The cost of pumping the reclaimed water consists of the initial cost of the pumps, the ongoing running costs and depreciation costs. At Moonee and Woolgoolga the same pumps that pump to the deep sea release supply reclaimed water. As the reclaimed water would need to be pumped to the deep sea release if it was not reused, negligible additional pumping costs are incurred for the northern Water Reclamation Plants. At the new Coffs Harbour plant a chlorination tank and pumps are being specifically supplied for reclaimed water at a cost of approximately \$800,000. Pumping energy costs are estimated to be 1c/kL.

Quality and benefits of reclaimed water and the potential impacts of charging for water

Reclaimed water produced in Coffs Harbour meets the National Reclaimed Water Quality Guidelines (NWQMS 2000). With the future completion of the Coffs Harbour Water Reclamation Plant, the city will be able to produce up to 23ML of reclaimed water per day.

The benefits of reclaimed water have been well documented previously and will not be revisited in this report.

Charging for reclaimed water would have the affect of potentially reducing the use of the product. Both not for profit (NFP) organisations (sporting clubs etc) and businesses (primary producers etc) that are existing users have indicated that they would reduce the use of reclaimed water if charges were levied. Many have other low cost alternatives to reclaimed water (existing dams, bores etc) and have indicated that they would rely more heavily on these other sources. The potential impacts of reducing the volume of reclaimed water used will be addressed in the Sustainability Assessment

Reducing the use of reclaimed water would have a negative impact on the Reuse Strategy's long term objective and on a determination of the Sewer Strategy EIS, that is, to maximize reuse.

Sustainability Assessment:

- **Environment**

A reduction in the use of reclaimed water would have the following environmental effects:

- Additional discharge of reclaimed water to the environment via the deep sea release,
- Reduction of environmental flows in local creeks as users modify their dams to again accept runoff,
- Unmonitored groundwater use would result in adverse hydrological effects.

These are all negative environmental impacts and as such lower the sustainability of an alternate water source.

The Coffs Harbour Race Club has indicated that it would reduce the use of reclaimed water and expand its onsite dam. This would have negative impacts on the Coffs Harbour Regional Airport with the establishment of a bird supporting water body.

A positive environmental impact would be the reduced energy consumption for the Coffs Harbour pumping system.

- **Social**

Organisations such as the Coffs Harbour Golf Club have indicated that reduced use of reclaimed water would mean that less irrigation would occur on the course, resulting in a deterioration of the course standard. This in turn would reduce patronage of the course that could have adverse employment repercussions.

Businesses that need to pay for reclaimed water will need to reduce costs in other areas, which may well be employment.

Playing fields that reduce water use will also deteriorate in condition and would therefore be a less desirable and useable facility. Local sporting clubs would suffer in the event that facilities decline.

Council is likely to be viewed unfavorably by the community if it started charging for reclaimed water after supplying the product for 15 years at no cost. It may be construed by some members of the community that Council made organisations dependent on reclaimed water prior to charging.

- **Economic**

Broader Economic Implications

As expressed in the social assessment, businesses reliant on reclaimed water have indicated that an increase in water cost would force a reduction in another overhead in order to maintain the status quo. Some businesses may lose their viability if overheads are raised as primary producers find it impossible to pass on increased overheads through market pricing.

S23 - Report on Reclaimed Water Pricing (Cont'd)

NFP organisations who wish to maintain the standard of their facilities will need to increase the cost of its use, with adverse economic effects on sporting bodies and the community.

Other organisations will simply not be able to afford the additional cost and facilities will deteriorate.

Below is a table of the costs that would be recovered if the 2007 usage was charged at 20c/l, 50c/l and \$1.00/l. The table has been divided into businesses and not for profit organisations. The table also includes the cost that the International Stadium would be charged to indicate the impact it would have on a General Fund operation.

	2007 Usage		
	Cost At		
	\$0.20	\$0.50	\$1.00
Total 15 Businesses	\$13,929.40	\$34,823.50	\$69,647.00
Total NFP Organisations	\$42,848.20	\$107,120.50	\$214,241.00
Stadium (included in NFP)	\$8,041.20	\$20,103.00	\$40,206.00

Management Plan Implications

No allowance has been made in the Management Plan for the income to the Water and Sewer Funds as a result of charging for reclaimed water. Financial models for these funds are not dependent on this income.

No allowance has been made in the Management Plan for additional costs that would be incurred by such Council operations as the International Stadium or Nana Lane Depot. Funds would need to be sought for these additional costs.

Consultation:

Council has approached two NFP organisations (Coffs Harbour Golf Club and Coffs Harbour Race Club) as well as two primary producers in the Morgans Road area for their input to this report.

Council's Environmental Services have also been consulted regarding the impacts of alternate water sources being used in lieu of reclaimed water

Related Policy and / or Precedents:

Council's Reclaimed Water Strategy has been mentioned previously and has been considered in the compilation of this report.

The contract for use between Council and the user, 'Agreement for the Use of Reclaimed Water' enables charges to be levied by resolution of Council.

Statutory Requirements:

Supply and use of reclaimed water must comply with the Protection of the Environment Operations Act, as well as the National Reclaimed Water Guidelines (NWQMS 2000).

The issue of charging for reclaimed water has no statutory requirements and is a decision for the individual water authority.

Issues:

A decision to charge NFP organisations for reclaimed water will be regarded by sections of the public as having a negative community impact and would prove unpopular with those involved in those community organisations.

Primary industries are the main businesses that utilise reclaimed water. This type of business in the Coffs Harbour area often struggles with financial viability and additional overhead costs will not be welcome. As evidenced by the table above, the revenue raised from business, even at the highest rate, would need to be balanced against the community and business impacts as a result of any decision to charge for reclaimed water.

Implementation Date / Priority:

If Council resolves to levy charges for reclaimed water it is possible that charges may be able to be applied in the 2008/2009 fees and charges.

Recommendation:

- 1. That Council continue its existing policy of not charging for reclaimed water, and**
- 2. That Council review this decision in five years**

**Jenni Eakins
Acting Director of City Services**