



Business Papers

Environment & Infrastructure Committee Meeting

**Tuesday, 23 May 2017
5.00pm**



Notice of Meeting

To the Lord Mayor and Aldermen

You are invited to attend an Environment & Infrastructure Committee Meeting to be held in Meeting Room 1, Level 1, Civic Centre, Harry Chan Avenue, Darwin, on Tuesday, 23 May 2017, commencing at 5.00pm.

A handwritten signature in black ink, appearing to read 'B P Dowd', is positioned above the printed name.

B P DOWD
CHIEF EXECUTIVE OFFICER

OPEN SECTION

E&I05/3

CITY OF DARWIN

ENVIRONMENT & INFRASTRUCTURE COMMITTEE MEETING

TUESDAY, 23 MAY 2017

MEMBERS: Member G A Lambert (Chair); The Right Worshipful, The Lord Mayor, Katrina Fong Lim; Member R K Elix; Member R Want de Rowe; Member E L Young.

OFFICERS: Chief Executive Officer, Mr B Dowd; General Manager Infrastructure, Mr L Cercarelli; Executive Manager, Mr M Blackburn; Manager Technical Services, Mrs N Nilon; Manager Design, Planning & Projects, Mr D Lelekis; Manager Infrastructure Maintenance, Mr K Smith; Manager Capital Works, Mr N Kleine; Manager Climate Change & Environment, Ms B Rankmore; Executive Assistant Infrastructure, Ms T Zerek.

Enquiries and/or Apologies: Tanya Zerek

E-mail: t.zerek@darwin.nt.gov.au - PH: 8930 0581

OR Phone Committee Room 1, for Late Apologies - PH: 8930 0519

Committee's Responsibilities

- | | |
|---------------------------|--|
| • Asset Management | • Infrastructure Projects |
| • Building Services | • Infrastructure Maintenance |
| • Cemeteries | • Design |
| • Mosquito control | • Planning |
| • Operations | • Road Construction and Traffic Management |
| • Parks & Reserves | • Urban Enhancement |
| • Pathways | • Climate Change and Environment |
| • Road maintenance | • Waste Management |
| • Sporting Areas | • Outdoor Dining |
| • Stormwater Drainage | • Signage |
| • Maintenance | |
| • Street Cleaning | |
| • Urban Forest Management | |

THAT effective as of 16 April 2012 Council, pursuant to Section 32 (2)(b) of the Local Government Act 2008, hereby delegates to the Environment & Infrastructure Committee the power to make recommendations to Council and decisions relating to Environment & Infrastructure matters within the approved budget.

OPEN SECTION

E&I05/4

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OPEN SECTION

E&I05/6

Environment & Infrastructure Committee Meeting – Tuesday, 23 May 2017

1. MEETING DECLARED OPEN

2. APOLOGIES AND LEAVE OF ABSENCE

Common No. 2695036

2.1 Apologies

2.2 Leave of Absence Granted

3. ELECTRONIC MEETING ATTENDANCE

Common No. 2221528

3.1 Electronic Meeting Attendance Granted

4. DECLARATION OF INTEREST OF MEMBERS AND STAFF

Common No. 2752228

4.1 Declaration of Interest by Members

4.2 Declaration of Interest by Staff

5. CONFIDENTIAL ITEMS

Common No. 1944604

6. WITHDRAWAL OF ITEMS FOR DISCUSSION

THAT the Committee resolve under delegated authority that all Information Items and Officers Reports to the Environment & Infrastructure Committee Meeting held on Tuesday, 23 May 2017 be received and considered individually.

OPEN SECTION

E&I05/7

Environment & Infrastructure Committee Meeting – Tuesday, 23 May 2017

7. CONFIRMATION OF MINUTES PERTAINING TO THE PREVIOUS ENVIRONMENT & INFRASTRUCTURE COMMITTEE MEETING

THAT the Committee resolve that the minutes of the previous Environment & Infrastructure Committee Meeting held on Tuesday, 21 March 2017, tabled by the Chair, be received and confirmed as a true and correct record of the proceedings of that meeting.

8. BUSINESS ARISING FROM THE MINUTES PERTAINING TO THE PREVIOUS ENVIRONMENT & INFRASTRUCTURE COMMITTEE MEETING

8.1 Business Arising

9. DEPUTATIONS AND BRIEFINGS

Nil

OPEN SECTION

E&I05/8

Environment & Infrastructure Committee Meeting – Tuesday, 23 May 2017

10.1 OFFICERS REPORTS (ACTION REQUIRED)

**ENCL: ENVIRONMENT & INFRASTRUCTURE
YES COMMITTEE/OPEN**

AGENDA ITEM: 10.1.1

OPPORTUNITIES FOR DIVERSION OF TYRES FROM LANDFILL

REPORT No.: 17TS0045 NN:km COMMON No.: 3344411

DATE: 23/05/2017

Presenter: Manager Technical Services, Nadine Nilon

Approved: General Manager Infrastructure, Luccio Cercarelli

PURPOSE

The purpose of this report is to provide Council with an update on potential options for tyre disposal and diversion from landfill.

LINK TO STRATEGIC PLAN

The issues addressed in this Report are in accordance with the following Goals/Strategies as outlined in the 'Evolving Darwin Towards 2020 Strategic Plan':-

Goal

3 Environmentally Sustainable City

Outcome

3.1 Council's carbon footprint reduced

Key Strategies

3.1.3 Reduce Council's waste production

KEY ISSUES

- Currently Shoal Bay Waste Management Facility (SBWMF) accepts approximately 1100 tonnes of tyres (equivalent to 137,500 passenger tyres) per annum, of which 65% are shredded, and 35% are brought in as whole tyres.
- Council officers facilitated a tyre workshop in conjunction with Tyre Stewardship Australia (TSA) in November 2016 to provide industry, state and local government the opportunity to discuss tyre disposal issues and potential markets across the territory.
- An outcome of the workshop was the identified interest from all parties to increase landfill fees which would encourage new commercial tyre recycling options.
- A review of the current landfill disposal fees for tyres was undertaken and an increased fee has been adopted in the 2017/18 waste fees and charges.
- It is recommended that Council obtain accreditation under the TSA scheme in relation to tyre management to demonstrate leadership in the market for tyres.

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 REPORT NUMBER: 17TS0045 NN:km
 SUBJECT: OPPORTUNITIES FOR DIVERSION OF TYRES FROM LANDFILL

RECOMMENDATIONS

THAT the Committee resolve under delegated authority:-

- A. THAT Report Number 17TS0045 NN:km entitled Opportunities for Diversion of Tyres from Landfill, be received and noted.
- B. THAT a further report is presented to Council in October 2017 updating Council on progress towards obtaining Bronze level Tyre Stewardship Australia Local Government accreditation, assessment of disposal and market trends and consideration of a feasibility study on tyre processing at Shoal Bay Waste Management Facility.

BACKGROUND

Disposal of tyres in a landfill can be problematic as tyres occupy large volumes of landfill space, do not readily compact and can flex back to the surface after burial. Tyres also pose a fire and health risk if they are stockpiled in large quantities.

SBWMF currently accepts approximately 1100 tonnes of tyres per year at a charge (for 2016/17) of \$268 per tonne for whole tyres and \$72 per tonne for partially shredded tyres. In 2015/16, approximately 65% of the tyres accepted at SBWMF were shredded, and 35% were whole. As an indicative measure, 1100 tonnes of tyres represents an estimated 137,500 of domestic passenger tyres. SBWMF receives a mixture of domestic and commercial vehicle tyres and actual quantities of each are unknown.

Currently, there are limited options for customers to dispose of tyres in the greater Darwin region and landfilling is the standard practice.

This report updates Council on the activities to date relating to tyre management at SBWMF.

DISCUSSION

Tyre workshop

On Tuesday 29 November 2016, City of Darwin and Tyre Stewardship Australia (TSA) co-hosted a workshop in Darwin to discuss the challenges and opportunities for end-of-life (EoL) tyres in the Northern Territory. There were 27 attendees at the workshop, with representatives from the Northern Territory Environmental Protection Agency (NTEPA), other local governments, waste service providers, tyre industry agents and other interested parties.

The objectives of the workshop included commencing the conversation around EoL tyre management, identifying priority issues, challenges and discussing collaborative frameworks to address these issues moving forward. The summary email sent to all attendees by TSA is included in **Attachment A**.

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There were four key conclusions agreed upon by all attendees at the end of the workshop, as summarised below:

1. There are major challenges to increasing EoL tyre recovery;
2. There are currently some positive activities that are occurring focussing on EoL tyre management;
3. There are tangible contributions that can currently be made towards finding a solution, including legislation, education and disposal pricing reviews;
4. Support is needed for industry in the form of regulations, strategies and action plans and price incentives.

A consulting company Reincarnate are currently undertaking a Territory wide data study on the generation, recovery and landfilling of waste tyres in the Northern Territory, funded by the NTEPA. The aim of this study is to provide more robust data to support the waste industry in developing a more sustainable solution for EoL tyres.

It was apparent from the workshop that there is a genuine concern within the industry that the current SBWMF tyre disposal fees are not at a level which presents a competitive market for tyre disposal alternatives. In addition to this concern, there was also a need identified to review the disposal fees to try and deter tyres from landfill.

Landfill disposal fees

As part of the 2017/2018 budget review, Council officers reviewed the current disposal fees for tyres (shredded and whole). As a result, increased fees for tyre disposal at SBWMF have been adopted to encourage recycling and provide improved market pricing for alternatives to be explored further. As outlined in the table below, this increase will bring SBWMF more in line with other regional councils in the Northern Territory, but still remains more feasible in comparison to interstate landfills and transfer stations.

Currently, there is one tyre recycling company in Darwin, Top End Tyre Recycling, which shreds whole tyres and bales them for resale as a construction or erosion protection product. Their fees (current at the time of the report) for tyres are also outlined in the below table in comparison with the landfilling fees.

	Whole Tyres Cost \$/tonne	Passenger Tyres Cost \$/tyre	Truck Tyres Cost \$/tyre
Cost to Landfill			
City of Darwin (current)	\$268	\$2.14*	\$4.28-\$10.72*
City of Darwin (recommended new fees)	\$500	\$4*	\$8-\$20*
Katherine Town Council	\$425	\$3.40*	\$6.80-\$17*
Alice Springs Town Council	\$972	\$32.50	\$48.50-\$80
West Daly Regional Council	\$875*	\$7	\$25-\$70
Roper Gulf Regional Council	\$1250*	\$10	\$40-80

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Central Desert Regional Council	\$3610*	\$28.88	\$51.88-\$75.08
Barkly Regional Council	\$625*	\$5	\$10-\$42
Victoria Daly Regional Council	\$1250*	\$10	\$10-\$30
MacDonnell Regional Council	\$2125*	\$17	\$33-\$168
Cost to dispose at Transfer Station			
Cairns Regional Council	\$687.50*	\$5.50	\$12-\$196.50
SWEK (Kununurra)	\$1125*	\$9	\$30.30-\$85.80
Cost to Recycle			
Top End Tyre Recycling	\$375*	\$3	\$6.29-\$23.78
Alice Tyre Recycling	\$625*	\$5	\$12

*Calculated equivalent charge

Disposal of tyres by domestic users will not be impacted by these fee increases.

TSA accreditation

The City of Darwin not only has a role to play through the management of EoL tyres, but also through the tyre supply chain as purchasers of tyres. TSA have implemented a voluntary national accreditation scheme to promote and encourage a more environmentally responsible tyre industry. The accreditation scheme has a specific local government category to promote local government support for sustainable tyre procurement and disposal practices.

It is recommended that the City of Darwin sign up to the Bronze level of accreditation under this scheme to demonstrate leadership in the industry. In order to obtain Bronze accreditation, Council should be committed to only purchasing tyres from a TSA accredited retailer of which there are several in Darwin. Council currently purchases tyres from a range of different suppliers in Darwin, some of which are already accredited, so there would be minimal impact to current procurement processes.

It is also a requirement of the scheme that all EoL tyres are disposed of through an accredited collector or supplier. However, as there is currently no TSA accredited tyre recyclers in Darwin, Council can still obtain accreditation provided the accredited supplier maintains the responsibility for disposal rather than Council directly disposing of tyres.

The only other requirement of the scheme to obtain Bronze level accreditation is to promote the TSA scheme through the Council website, such as a statement including the TSA logo, with a link to the TSA website.

Summary and Recommended Next Steps

There is a consensus amongst industry, other Councils and the NTEPA that there needs to be a greater focus placed on EoL tyres in order to ensure a more sustainable outcome. There is already movement in this space, with the Territory wide data study being undertaken to help support a commercial operation in the

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future. Increasing the landfill fees at SBWMF will assist in diverting tyres from landfill and encourage the development of alternative markets for disposal.

There is a potential for Council to undertake a tyre recycling feasibility study. This would involve reviewing several different models, including a Council managed operation and a privately managed operation on Council land, to determine the most viable option. A feasibility study would not commit Council to implement a tyre recycling facility, but rather determine the most suitable option moving forward. Regardless of the outcomes of the study, it is important to note that there is currently no market for recycled tyre products in the Territory (and very limited markets across Australia) which could result in additional export costs.

At this stage, it is recommended that Council works toward obtaining Bronze level Tyre Stewardship Australia Local Government accreditation, continues to monitor and assess disposal and market trends and further considers a feasibility study on tyre processing at SBWMF, with a report coming back to Council in October 2017.

CONSULTATION PROCESS

In preparing this report, the following City of Darwin officers were consulted:

- Waste Management Coordinator

In preparing this report, the following External Parties were consulted:

- Tyre Stewardship Australia

POLICY IMPLICATIONS

All activities will be undertaken in accordance with Council policies.

The diversion of waste from landfill is consistent with the provisions of *City of Darwin Policy No. 054 - Waste Management* and is a large focus of the new Waste Management Strategy currently under development.

BUDGET AND RESOURCE IMPLICATIONS

As discussed in the report, there will be an increase in 2017/18 of the disposal fees for tyres at SBWMF. Whilst this may increase the income for the facility, the intent of the fee increase is to divert tyres from landfill. The anticipated decrease in tyres should be offset by the increased disposal fee and therefore should not have a material impact on the overall budget.

RISK/LEGAL/LEGISLATIVE IMPLICATIONS

The introduction of a substantially increased levy on tyre disposal at the SBWMF could deter customers from utilising the facility and result in illegal dumping of waste

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tyres, however this fee increase is a necessary step to minimise the volume of tyres being landfilled.

ENVIRONMENTAL IMPLICATIONS

The diversion of waste tyres from landfill does not only allow for better landfill management but also has positive environmental outcomes as the recycled waste material can be recycled into new products.

COUNCIL OFFICER CONFLICT OF INTEREST DECLARATION

We the Author and Approving Officers declare that we do not have a Conflict of Interest in relation to this matter.

NADINE NILON
MANAGER TECHNICAL
SERVICES

LUCCIO CERCARELLI
GENERAL MANAGER
INFRASTRUCTURE

For enquiries, please contact Nadine Nilon on 8930 0687 or email:
n.nilon@darwin.nt.gov.au.

Attachments:

Attachment A: Workshop Summary Email – 15 December 2016

Thank you for attending the City of Darwin and Tyre Stewardship Australia (TSA) workshop on ***Challenges and Opportunities for end-of-life tyres in the NT*** at City of Darwin Offices on Tuesday **29 November 2016**.

TSA and the City of Darwin would like to thank all attendees for their insightful and constructive participation in the event. It was very valuable for TSA and we look forward to collaborating with you further on some of the collaborative opportunities discussed.

In general, feedback we have received was that the session delivered on the objectives highlighted in the invite and at the outset of the workshop:

- A 'conversation starter' - getting relevant parties together
- Identifying priority issues and challenges
- Discussing collaborative frameworks to addressing these issues moving forward.

Following on from this, the major conclusions of the discussion questions are as follows:

1. **Major challenges to increasing EoL tyre recovery**
 - a. Investment/Scale/Cost/input material and lack of support to minimise risks
 - b. Cheap landfill costs, does not provide enough incentive to recovery materials
 - c. Procurement practices do not support recovery.
2. **Current positive activities occurring**
 - a. Data study underway
 - b. Some existing EoL tyre processing and markets
 - c. Darwin's proximity to Asia and other markets.
3. **Contributions you can make towards the solution**
 - a. Implement legislation and regulations
 - b. Increased participation in TSA accreditation (retailers and recyclers)
 - c. Public education and awareness programs
 - d. Appropriate disposal pricing.
4. **Support you need**
 - a. Supportive and enforceable regulations
 - b. Territory-wide strategy and Action Plan with timeframes
 - c. Price incentives/signals.

TSA has had subsequent meetings with the NT EPA and MTA to discuss follow up initiatives. These discussions will continue as EPA NT and Reincarnate undertake the data study discussed in the workshop which will be delivered early in 2017.

The City of Darwin will be considering the outcomes of the workshop when investigating options for tyre disposal at landfill, for both short and long term. If you have any queries about tyre disposal at Shoal Bay Waste Management Facility, please contact them directly on 08 8930 0300.

If you have any questions regarding the workshop and/or TSA please do not hesitate to contact us.

Once again thank you kindly for your attendance and contribution to the workshop.

Kind regards,
Jade & Liam

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ENCL:	ENVIRONMENT & INFRASTRUCTURE	AGENDA ITEM:	10.1.2
YES	COMMITTEE/OPEN		
LAKESIDE DRIVE PRECINCT MASTER PLAN			
REPORT No.:	17TS0048 DL:lf	COMMON No.:	2952242
		DATE:	23/05/2017

Presenter: Manager Design, Planning & Projects, Drosso Lelekis

Approved: General Manager Infrastructure, Luccio Cercarelli

PURPOSE

The purpose of this report is to present the Lakeside Drive Precinct Master Plan, Lakeside Drive Community Garden Master Plan and Northern Ovals Access and Parking Plan for Council's endorsement to proceed to community consultation.

LINK TO STRATEGIC PLAN

The issues addressed in this Report are in accordance with the following Goals/Strategies of the City of Darwin 2012 – 2016 as outlined in the 'Evolving Darwin Towards 2020 Strategic Plan':-

Goal

1. Collaborative, Inclusive and Connected Community

Outcome

- 1.2 Desirable places and open spaces for people

Key Strategies

- 1.2.4 Provide for diversity of uses and experiences in public places and open spaces

KEY ISSUES

- Council has resolved to support the relocation of The Patch from the old Leanyer Depot to the site of the Lakeside Drive Community Garden.
- The development of the Lakeside Drive Master Plan/Precinct Plan was a project identified to provide direction in terms of the future development of the area.
- The Lakeside Drive Precinct Master Plan, Lakeside Drive Community Garden Master Plan and Northern Ovals Access and Parking Plan have been produced and it is recommended that these plans be endorsed for the purposes of community consultation.
- It is recommended that a further report be presented to Council on the outcomes of the community consultation process.
- During initial stakeholder consultation, a number of priorities were identified that could be undertaken in the short term to improve services in the area, particularly a new water supply, fencing and improved access within programmed budgets.
- The relocation of The Patch will require a Planning Application.

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 REPORT NUMBER: 17TS0048 DL:lf
 SUBJECT: LAKESIDE DRIVE PRECINCT MASTER PLAN

RECOMMENDATIONS

THAT it be a recommendation to Council:-

- A. THAT Report Number 17TS0048 DL:lf entitled Lakeside Drive Precinct Master Plan, be received and noted.
- B. THAT the Lakeside Drive Precinct Master Plan, Lakeside Drive Community Garden Master Plan and Northern Ovals Access and Parking Plan provided at **Attachments B, C and D** respectively to Report Number 17TS0048 DL:lf entitled Lakeside Drive Precinct Master Plan, be endorsed for the purposes of community consultation.
- C. THAT a further report be presented to Council on the outcomes of the community consultation process on the Lakeside Drive Precinct Master Plan, Lakeside Drive Community Garden Master Plan and Northern Ovals Access and Parking Plan.
- D. THAT Council undertake the following works by 31 December 2017;
 - (i) install a water supply and fencing for the community gardens as indicated on **Attachment C** to Report Number 17TS0048 DL:lf entitled Lakeside Drive Precinct Master Plan, and
 - (ii) implement one way flow and shared path re-alignment for Alawa Oval as indicated in **Attachment D** to Report Number 17TS0048 DL:lf entitled Lakeside Drive Precinct Master Plan.

BACKGROUND

Following a Council resolution to support the relocation of The Patch to the Lakeside Drive Community Garden, a master plan for the future development of the area was developed.

The key driver for this new initiative was as follows:

“The Patch will be moving to Lakeside Drive next to the Community Garden. Both projects are at the development stage with the intention of creating a space that allows the community to interact and provide programs that promote engagement. There are also many other users of the facilities, the three council owned ovals, as well as the community hall. The main issue of concern here is the access from Lakeside Drive which has not been planned for the current growth. It does not meet the current needs of the users and has resulted in using dangerous manoeuvres to access the area. Additionally, adequate parking and toilet facilities will need to be considered for current and future user groups.”

The Lakeside Drive Precinct Master Plan, Lakeside Drive Community Garden Master Plan and Northern Ovals Access and Parking Plan study area (showing existing land use only) is provided at **Attachment A**.

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SUBJECT: LAKESIDE DRIVE PRECINCT MASTER PLAN

DISCUSSION

In response to Council's decision to support the relocation of The Patch from the old Leanyer Depot site to the Lakeside Drive Community Garden site, in addition to concerns raised regarding access from Lakeside Drive, Northern Planning Consultants were engaged to develop a Lakeside Drive Precinct Master Plan (**Attachment B**).

The objective of the consultancy was to investigate the user demands of the study area, along with the opportunities and constraints, servicing requirements, access and car parking and to prepare a precinct master plan to facilitate user demands and future development.

The plan shows the relocated Patch adjacent to the existing Lakeside Drive Community Garden, a new shelter and toilet for the shared use of the two facilities, formalised car parking area and turnaround, shared vehicle/pedestrian path and front boundary fence and pedestrian access point facing Lakeside Drive. A proposed new access off Lakeside Drive for the Patch and the Lakeside Drive Community Garden is also included on the plan. More detail on this area is provided in the Lakeside Drive Community Garden Master Plan provided at **Attachment C** to this report.

The plan also includes access, car park and driveway upgrades that are shown in detail on the Northern Ovals Access and Parking Plan provided at **Attachment D** to this report. It is proposed that the existing southern entry/exit to the car parking area for the ovals be converted to entry only and that the northern access be exit only. These changes are considered to provide a safer solution from a traffic engineering point of view. It is also required that the section of existing shared path between the two existing accesses be re-aligned in order to ensure vehicles have sufficient sight distance when exiting the car parking area onto Lakeside Drive (vehicles entering and exiting this car parking area must give way to users of the shared path).

Reconfiguration and rationalisation of the existing oval parking areas and the removal and replacement of the existing playground in the area are also proposed (refer **Attachment D**).

An area of open space is also provided and this could become the site of a possible future dog park. It should be noted however that there has been no decision in regard to the location of a City of Darwin dog park and what is shown on the plan is only one of a number of locations that may be considered for a future dog park.

The Lakeside Drive Precinct Master Plan was developed with the following considerations:

- A review of user demand and servicing of existing sporting and recreational facilities, particularly within Lot 8640, and identification of opportunities for improvement to or greater provision of facilities, including the possible relocation of the Patch from Leanyer to Lakeside Drive, Alawa;

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 SUBJECT: LAKESIDE DRIVE PRECINCT MASTER PLAN

- The views of key stakeholders including The Patch, Lakeside Drive Community Garden, Charles Darwin University and Department of Education;
- The suitability and safety of the existing vehicle access arrangement to community facilities, particularly the sports field and halls from Lakeside Drive (refer **Attachment D**);
- The adequacy of the existing car parking facilities in the area;
- Existing land tenure, leasing and occupation arrangements within the study area;
- The identification of open space and community development opportunities within the study area, with particular emphasis on community access to public open space, access to Lakeside Drive and access to reticulated services;
- Any limitations as part of the master plan (refer below) presented by the proximity to Rapid Creek and the adjoining mangroves; and
- The preparation of a master plan for the Lakeside Drive Community Garden, including opportunities to improve existing facilities, identification of opportunities for additional land, provision of public amenities and associated servicing requirements (refer **Attachment C**).

A summary report outlining the study area, scope and methodology, consultation undertaken and the considerations in the production of the plan (including development opportunities, car parking, access, servicing and site drainage), planning approval requirements, and cost estimates, was also produced. The key aspects of this document are as follows.

Primary Components include:

- Expansion of the Lakeside Drive Community Garden and incorporation of The Patch;
- Provision of service connections for the Lakeside Drive Community Garden (including new water supply point);
- Installation of a perimeter fence around the combined Lakeside Drive Community Garden/The Patch (envisage chain mesh on three sides with more character facing Lakeside Drive);
- Development of access, driveway and car parking for the Lakeside Drive Community Garden/The Patch;
- Removal and replacement of existing playground;
- A connected shared path network in the area;
- Identification of a location for a possible future dog park;
- Access, driveway and car parking upgrades for the sporting fields; and
- Formalisation of existing key pedestrian pathways and connections, and provision of new connections to facilities as recommended.

Components for future consideration include:

- Revegetation, irrigation, and pathway upgrades for the southern area;
- Consideration of the southern field for a possible dog park;
- Additional car parking areas for Alawa sporting fields; and
- Car parking for the Alawa Scout Hall.

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 SUBJECT: LAKESIDE DRIVE PRECINCT MASTER PLAN

Summary and Recommendations

It is recommended that Council endorse the Lakeside Drive Precinct Master Plan, Lakeside Drive Community Garden Master Plan and Northern Ovals Access and Parking Plan provided at **Attachments B, C and D** respectively to this report, for the purposes of community consultation and that a further report be presented to Council on the outcomes of the community consultation prior to any adoption of these documents.

A future Planning Application for the combined Lakeside Drive Community Garden/The Patch would be subject to the outcomes of the community consultation process. The planning application would include future access from Lakeside Drive to and around the facilities and interconnections with the other land uses in the area.

It is also recommended that a water supply and a perimeter fence for the future combined Lakeside Drive Community Garden/The Patch site be installed and the one-way flow to the northern ovals car parking area as described in this report (including shared path re-alignment), be implemented by 31 December 2017 and is funded from Council's programmed budgets.

CONSULTATION PROCESS

In preparing this report, the following City of Darwin officers were consulted:

- General Manager Community and Cultural Services
- Manager Recreation, Events and Customer Services
- Business and Economics Manager
- Senior Community Engagement Officer

In preparing this report, the following External Parties were consulted:

- Northern Planning Consultants
- The Patch
- Lakeside Drive Community Garden
- Charles Darwin University
- Department of Education

Meetings were held with the key stakeholders in the process of development of the plan to obtain their views.

In addition, the General Manager Infrastructure met with representatives of the Lakeside Drive Community Garden and The Patch during the initial stakeholder consultation process and issues such as a new water supply, fencing around a joint facility and connectivity were discussed for inclusion in the master planning process.

It is recommended that a broader Level 2-Consult community consultation process be undertaken in respect to the Lakeside Drive Precinct Master Plan, Lakeside Drive Community Garden Master Plan and Northern Ovals Access and Parking Plan.

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SUBJECT: LAKESIDE DRIVE PRECINCT MASTER PLAN

Consultation with stakeholders informing them of the works recommended to occur by December 2017, being the water supply, fencing, and one-way access/shared path.

The broader community consultation process will include meetings with other key stakeholders such as Cricket NT and AFL NT as Alawa Oval is utilised by these entities and issues such as access to this facility, the oval playing surface and the possible future expansion of amenities would be of interest to these parties.

Furthermore, it is considered that engagement with a disability access design consultant be undertaken should the works shown on the master plan progress, to advise, as part of any ongoing Project Team.

The community consultation process undertaken would include residents living opposite the site and would include absent landlords.

POLICY IMPLICATIONS

The expanded community consultation undertaken would be at Level 2 and in accordance with *City of Darwin Policy No. 025 – Community Consultation*.

BUDGET AND RESOURCE IMPLICATIONS

The costs of water supply and a perimeter fence for the future combined Lakeside Drive Community Garden/The Patch site and the one-way flow access to the northern ovals car parking area would be accommodated within Council's programmed budgets.

RISK/LEGAL/LEGISLATIVE IMPLICATIONS

The implementation of all works shown on the Plan must be in accordance with the relevant standards or guidelines.

The development of The Patch at Lakeside Drive will require a Planning Application.

Charles Darwin University (CDU) entered into a 30 year lease with Council on 1 January 1993 over Lots 8640 and 8712, Town of Nightcliff. The lease was at the University's request and is at peppercorn rental. There is a further 20 year option from 1 January 2023.

Any redevelopment of the lease area would need to be conducted in conjunction with Charles Darwin University.

ENVIRONMENTAL IMPLICATIONS

Consideration was given to any limitations or conservation obligations presented by the proximity to Rapid Creek and the adjoining mangroves in the development of the Plan.

PAGE: 7
REPORT NUMBER: 17TS0048 DL:lf
SUBJECT: LAKESIDE DRIVE PRECINCT MASTER PLAN

COUNCIL OFFICER CONFLICT OF INTEREST DECLARATION

We the Author and Approving Officers declare that we do not have a Conflict of Interest in relation to this matter.

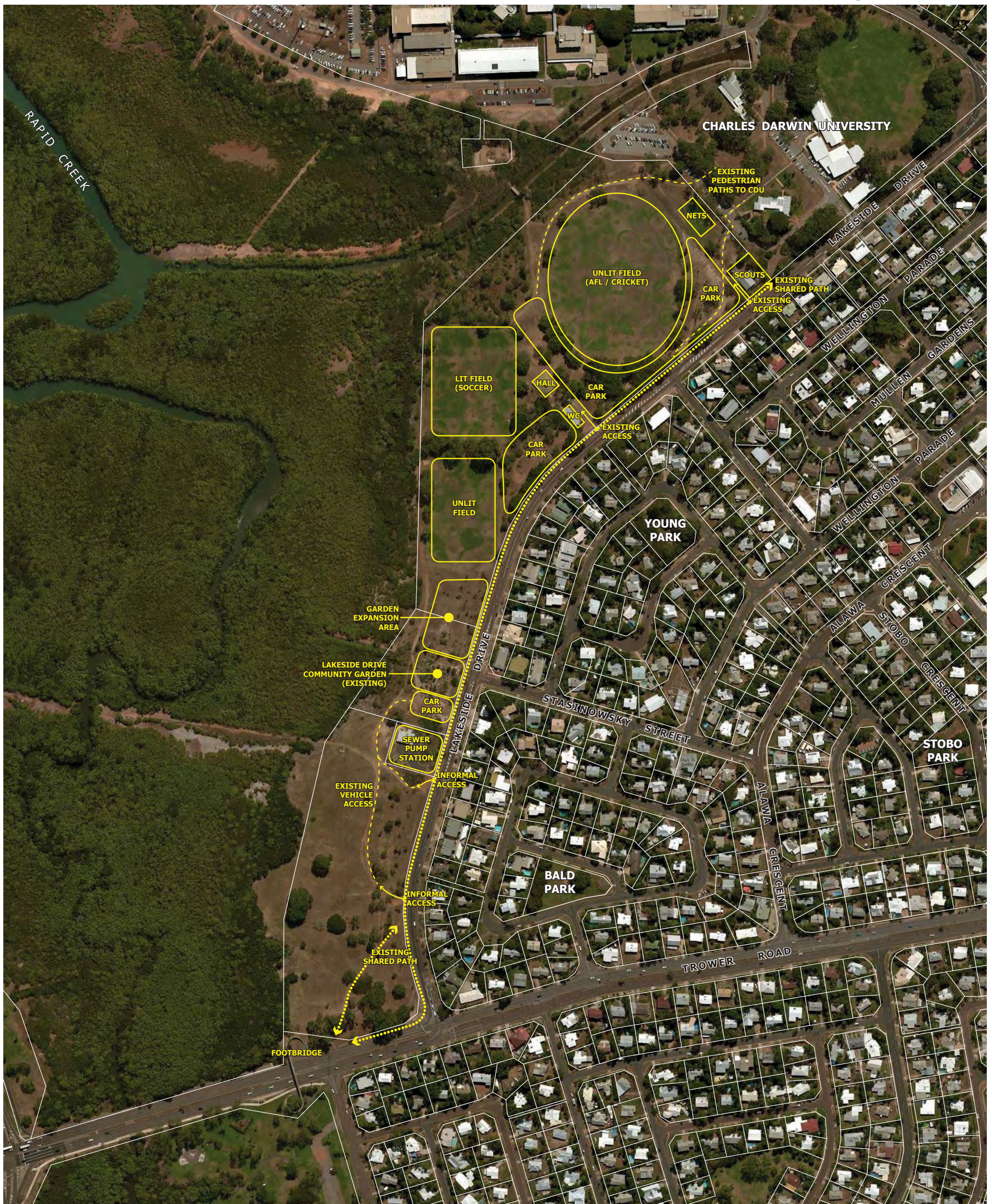
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& PROJECTS

LUCCIO CERCARELLI
GENERAL MANAGER
INFRASTRUCTURE

For enquiries, please contact Drosso Lelekis on 8930 0414 or email:
d.lelekis@darwin.nt.gov.au.

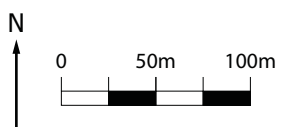
Attachments:

- Attachment A:** Plan showing Study Area
- Attachment B:** Lakeside Drive Precinct Master Plan
- Attachment C:** Lakeside Drive Community Garden Master Plan
- Attachment D:** Northern Ovals Access and Parking Plan



Attachment A Lakeside Drive Precinct Master Plan Study Area Plan

for CITY OF DARWIN
(Amended September 2016)



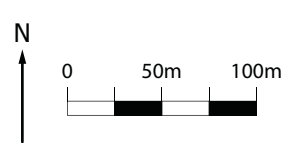
Mobile: 0427 796 140
Email: bradcunnington@gmail.com
www.facebook.com/northernplanning





Attachment B Lakeside Drive Precinct Master Plan

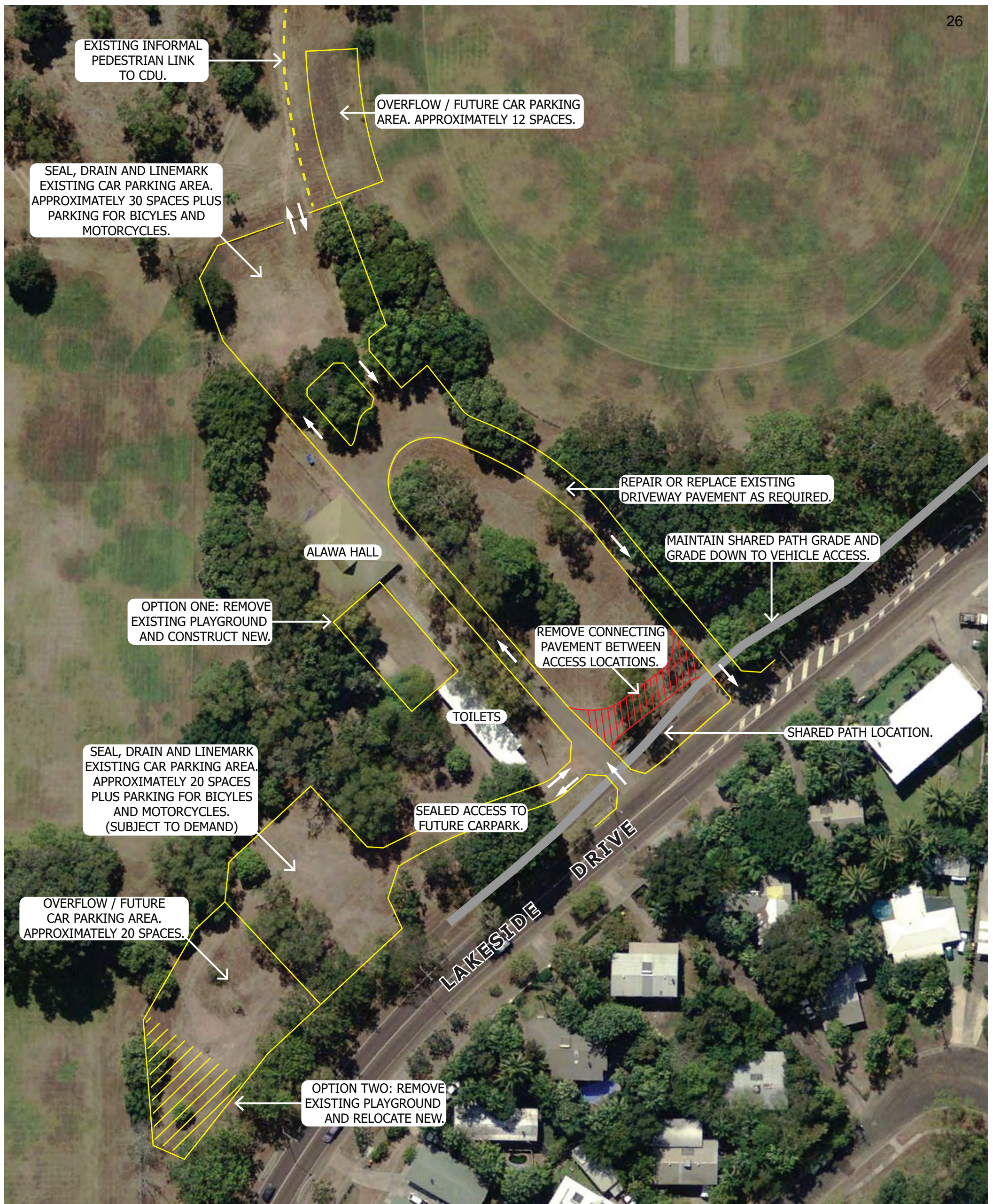
for CITY OF DARWIN
(Amended May 2017)





Attachment C Lakeside Drive Precinct Master Plan Lakeside Drive Community Garden Master Plan

for CITY OF DARWIN
(Amended May 2017)



Attachment D Lakeside Drive Precinct Master Plan Northern Ovals Access and Parking Plan

for CITY OF DARWIN
(Amended September 2016)

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↑
NOT TO SCALE

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NPC
NORTHERN PLANNING
CONSULTANTS

ENCL:	ENVIRONMENT & INFRASTRUCTURE	AGENDA ITEM:	10.1.3
YES	COMMITTEE/OPEN		
ROSS SMITH MEMORIAL UPGRADE PROPOSAL			
REPORT No.:	17TS0042 DL:lf	COMMON No.:	3494266
		DATE:	23/05/2017

Presenter: Manager Design, Planning & Projects, Drosso Lelekis

Approved: General Manager Infrastructure, Luccio Cercarelli

PURPOSE

The purpose of this report is to seek Council's endorsement to a request from the Northern Territory Government (NTG) for comment on their proposal to upgrade the Ross Smith Memorial and surrounding area, near the intersection of Dick Ward Drive and East Point Road, Fannie Bay.

LINK TO STRATEGIC PLAN

The issues addressed in this Report are in accordance with the following Goals/Strategies of the City of Darwin 2012 – 2016 as outlined in the 'Evolving Darwin Towards 2020 Strategic Plan':-

Goal

1. Collaborative, Inclusive and Connected Community

Outcome

- 1.2 Desirable places and open spaces for people

Key Strategies

- 1.2.1 Enhance places and open spaces

KEY ISSUES

- The Ross Smith Memorial commemorates the first flight from England to Australia in 1919.
- As the surrounds of the Ross Smith Memorial are considered by the NTG to be in poor condition, the NTG is planning to upgrade the memorial and the surrounding grounds in preparation for the centenary of the first flight from England to Australia (in 2019).
- The upgrade works will include structural works, up-lighting, tree root controls, installing a retaining wall with inbuilt seating, new path, drainage works, tree removal and new trees.
- As the land is owned by the NTG and the City of Darwin maintains the area around the memorial, the NTG is seeking Council's comments in regard to the upgrade proposal.
- All works will be undertaken by the NTG at their expense.
- It is recommended that Council support the upgrade proposal.

PAGE: 2
REPORT NUMBER: 17TS0042 DL:lf
SUBJECT: ROSS SMITH MEMORIAL UPGRADE PROPOSAL

RECOMMENDATIONS

THAT it be a recommendation to Council:-

- A. THAT Report Number 17TS0042 DL:lf entitled Ross Smith Memorial Upgrade Proposal, be received and noted.
- B. THAT Council support the proposal to upgrade the Ross Smith Memorial and surrounding area provided at **Attachment A** to Report Number 17TS0042 DL:lf entitled Ross Smith Memorial Upgrade Proposal, subject to the Milkwood tree being protected and retained, and operational impacts to Council being considered.

BACKGROUND

The Ross Smith Memorial commemorates the first flight from England to Australia in 1919 and is located in the park area near the intersection of Dick Ward Drive and East Point Road, Fannie Bay.

The surrounds of the memorial are in poor condition and the NTG plans to upgrade both the memorial and its surrounds, to mark the centenary of the first flight from England to Australia on 10 December 2019.

Although the land is owned by the NTG, the City of Darwin maintains the area around the memorial. As such, the NTG seeks Council's comment on the upgrading proposal (**Attachment A**).

The memorial itself is maintained by the NTG.

This report discusses the proposed upgrade and recommends Council's support for the upgrade subject to operational matters and technical detail being resolved.

DISCUSSION

The Heritage Branch of the Department of Tourism and Culture has written to the City of Darwin seeking Council's comment on a proposal to upgrade the Ross Smith Memorial and surrounding area, near the intersection of Dick Ward Drive and East Point Road, Fannie Bay. The incoming letter and upgrade proposal are provided at **Attachment A**.

The NTG considers that the surrounds are in poor condition and has identified issues in the direct vicinity of the memorial itself (refer **Attachment A**). The proposed upgrade addresses these issues and it is intended that these works be completed in time to mark the centenary of the first flight from England to Australia on 10 December 2019.

Although the land in question is vested in the NTG, as the City of Darwin maintains the area around the memorial, it has an interest in the upgrading proposal from both an amenity and maintenance perspective.

PAGE: 3
 REPORT NUMBER: 17TS0042 DL:lf
 SUBJECT: ROSS SMITH MEMORIAL UPGRADE PROPOSAL

The proposed works include:

- Structural works around the memorial itself;
- New retaining wall with inbuilt seating;
- Up-lighting;
- New path;
- Drainage works; and
- Tree removal (4) and new trees (18), as indicated by the plans.

City of Darwin officers have assessed the proposal in relation to its operational and maintenance impacts. The maintenance impacts to Council is considered negligible, however it is recommended that the significant Milkwood tree is protected and retained, and issues such as irrigation and tree selection are agreed to prior to commencement.

Summary

It is considered that given the significance of this site and the importance of the upcoming centenary commemorations, that the proposal should be supported.

Should the proposal be supported, City of Darwin officers will write to the NTG confirming this report and outlining the requirements for Council, including the retention of the Milkwood tree, selection of the replacement trees, and other relevant operational matters.

CONSULTATION PROCESS

In preparing this report, the following City of Darwin officers were consulted:

- Manager Infrastructure Maintenance
- Team Leader CBD Precinct
- Technical Officers – Parks and Reserves Management
- Parks Irrigation Systems Technician
- General Manager Community and Cultural Services

In preparing this report, the following External Parties were consulted:

- Acting Director Heritage Branch – Department of Tourism and Culture

POLICY IMPLICATIONS

None identified in relation to this matter.

BUDGET AND RESOURCE IMPLICATIONS

The estimated increased maintenance cost to Council for the proposed works is negligible and would be accommodated within existing budgets.

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 REPORT NUMBER: 17TS0042 DL:lf
 SUBJECT: ROSS SMITH MEMORIAL UPGRADE PROPOSAL

RISK/LEGAL/LEGISLATIVE IMPLICATIONS

The land in question is Crown Land so any decision to undertake works on this land rests with the NTG.

If, however, the works are not to Council's satisfaction and/or the increased maintenance costs associated with these works increase substantially, arrangements for the maintenance and costs would need to be discussed with the NTG further.

ENVIRONMENTAL IMPLICATIONS

The proposed works will enhance this important heritage site and its surrounds, and likely increase the use of this area.

COUNCIL OFFICER CONFLICT OF INTEREST DECLARATION

We the Author and Approving Officers declare that we do not have a Conflict of Interest in relation to this matter.

DROSSO LELEKIS
MANAGER DESIGN, PLANNING
& PROJECTS

LUCCIO CERCARELLI
GENERAL MANAGER
INFRASTRUCTURE

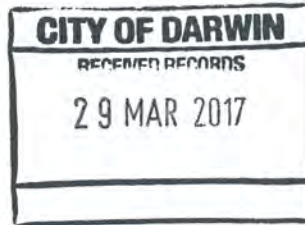
For enquiries, please contact Drosso Lelekis on 8930 0414 or email:
d.lelekis@darwin.nt.gov.au.

Attachments:

Attachment A: Letter from Department of Tourism and Culture and Draft Upgrade Plan



Mr Luccio Cercarelli
General Manager Infrastructure
City of Darwin
GPO Box 84
DARWIN NT 0801



Heritage Branch
Level 1, Arnhemica House
16 Parap Road, Parap NT 0820

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GPO Box 1448
Darwin NT 0801

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E david.steinberg@nt.gov.au

File Ref: HE2016/0004

Dear Mr Cercarelli

Re: Ross Smith Memorial

The Ross Smith Memorial, located near the intersection of Dick Ward Drive and East Point Road, commemorates the first aerial flight from England to Australia in 1919 by the aviators Captain Ross Smith, Lieutenant Keith Smith and Sergeants Wally Shiers and Jim Bennett.

The memorial sits in an open park setting which has mature plantings that partly obscure it from the adjacent road. Although it also sits in close proximity to Fannie Bay itself, its view to the water is masked by thick vegetation which grows along the shoreline.

The surrounds of the memorial are in poor condition with movement in the low brick walls causing a loss of structural integrity in more than one area. The pebble-crete concrete slab is generally stable with minor cracks, but losses are occurring at the edges due to poor drainage. There are also existing problems with intrusive tree root systems undermining the concrete slab.

The 10 December 2019 will mark the centenary of the first flight to Australia and the Department of Tourism and Culture, in consultation with interested parties, is planning to upgrade the area surrounding memorial so it becomes more prominent within an enhanced landscape.

As the City of Darwin maintains the area we would appreciate Council's comments regarding the proposal. I have attached a copy of the draft upgrade plan developed by Clouston Associates.

Yours sincerely

David Steinberg
A/Director
Heritage Branch

27 March 2017



Department of Infrastructure
R-01 Ross Smith Memorial Upgrade

D16-0079
Issue C • 14/03/2017

LEGEND



Ross Smith Memorial. Located in parkland setting with numerous trees, signposts and road infrastructure in the vicinity.



The Memorial is theoretically on the axis for motorists, but their attention is correctly elsewhere.



Large Milkwood. This tree is evident in historical photos taken at the original opening.



Large Rain tree. This tree is already overhanging the Memorial and its root system would extend as far as the Memorial. There is potential for future damage.



Trees have been removed, leaving the area more open.



Dense vegetation along the cliff edge provides a dark 'backdrop' to the memorial.



Shared Pathway skirts by Memorial.



Surrounding landscape levels higher than slab around the Memorial.



Steep slope descending away from Memorial



Fenced cliff line.





LEGEND



Ross Smith Memorial. Located in parkland setting with numerous trees, signposts and road infrastructure in the vicinity.



Existing trees to be removed.

A. Rain Tree (*Albizia saman*) poses risk to Memorial – root spread threatens base and heavy shading and flower drop has led to mould and discolouration. The tree is in poor condition and dropping branches.

B. Small Pongamia (*Milletia pinnata*) to be removed to open up views to Memorial from shared path.

C&D. Small Paperbarks (*Melaleuca* sp) are stunted and performing poorly. Remove and replace with more suitable species.



Trees have been removed.



Existing trees to be retained.



The adjoining road is busy and motorists should not be distracted from their driving responsibilities.



The surrounding slab and low masonry wall are recent additions and could be removed as part of the upgrade.

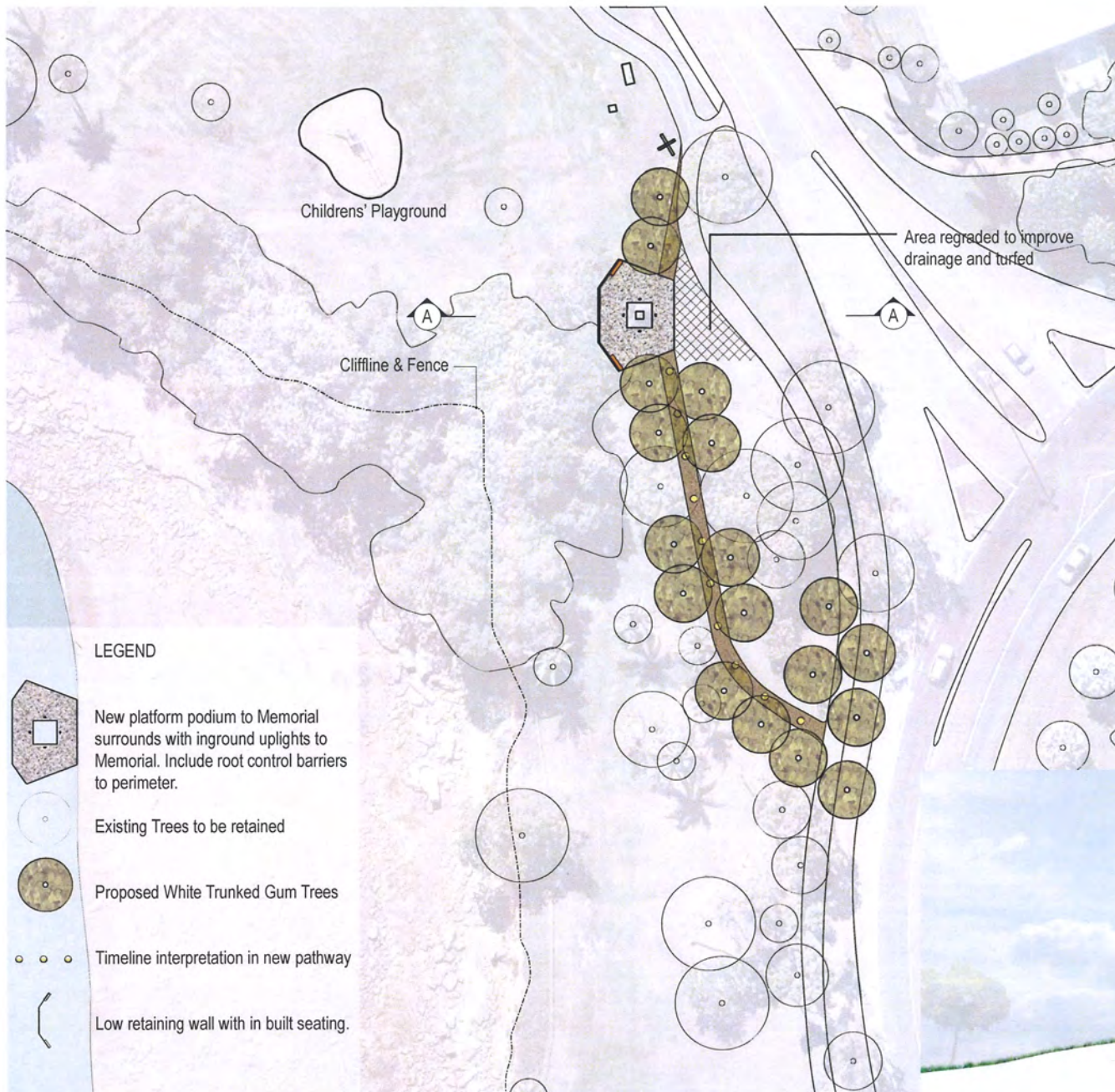


Surrounding landscape could be regraded to overcome surface drainage issues and provide an enhanced presentation of the Memorial.

Notes:

1. Memorial should be more prominent within an enhanced landscape.
2. Opportunity to tell more of the story of the historic flight.
3. Area needs to allow for ongoing celebrations including the centenary in 2019.





LEGEND



New platform podium to Memorial surrounds with inground uplights to Memorial. Include root control barriers to perimeter.



Existing Trees to be retained



Proposed White Trunked Gum Trees



Timeline interpretation in new pathway



Low retaining wall with in built seating.



Night Time Lighting



View Looking North



Section A-A
1:200@A3



ENCL: YES	ENVIRONMENT & INFRASTRUCTURE COMMITTEE/OPEN	AGENDA ITEM: 10.1.4
CITY OF DARWIN POLICY NO.048 - FOOTPATHS AND SHARED PATHS - CONSULTATION OUTCOMES		
REPORT No.: 17TS0047 NN:km	COMMON No.: 2078949	DATE: 23/05/2017

Presenter: Manager Technical Services, Nadine Nilon

Approved: General Manager Infrastructure, Luccio Cercarelli

PURPOSE

The purpose of this report is to present to Council the reviewed and updated City of Darwin Policy No. 048 - Footpaths and Shared Paths, following community consultation.

LINK TO STRATEGIC PLAN

The issues addressed in this Report are in accordance with the following Goals/Strategies as outlined in the 'Evolving Darwin Towards 2020 Strategic Plan':-

Goal

2 Vibrant, Flexible and Tropical Lifestyle

Outcome

2.1 Improved access and connectivity

Key Strategies

2.1.1 Improve the pathway and cycle networks and encourage cycling and walking

KEY ISSUES

- The current City of Darwin Policy No. 048 – Footpaths was adopted 23 February 2010 and the policy is now due for review (**Attachment A**).
- The proposed new City of Darwin Policy No. 048 - Footpaths and Shared Paths (**Attachment B**) has been significantly changed from the previous policy, as the technical and operational aspects of the policy have been removed and developed into a Footpaths and Shared Paths Guideline which will be managed by staff.
- The policy is in accordance with Council's Subdivisional Guidelines and relevant Australian Standards, including Disability Compliance.
- Following Council endorsement of the draft policy for consultation, community wide consultation was undertaken from 3 February to 10 March 2017.
- This report summarises the outcomes of the consultation and presents minor amendments to the draft policy for adoption by Council (**Attachment C**).

PAGE: 2
 REPORT NUMBER: 17TS0047 NN:km
 SUBJECT: CITY OF DARWIN POLICY NO.048 - FOOTPATHS AND SHARED PATHS
 - CONSULTATION OUTCOMES

RECOMMENDATIONS

THAT it be a recommendation to Council:-

- A. THAT Report Number 17TS0047 NN:km entitled City of Darwin Policy No.048 - Footpaths And Shared Paths - Consultation Outcomes, be received and noted.
- B. THAT Council rescind City of Darwin Policy No.048 - Footpaths at **Attachment A** to Report Number 17TS0047 NN:km entitled City of Darwin Policy No.048 - Footpaths And Shared Paths - Consultation Outcomes.
- C. THAT Council adopt City of Darwin Policy No.048 - Footpaths And Shared Paths at **Attachment C** to Report Number 17TS0047 NN:km entitled City of Darwin Policy No.048 - Footpaths And Shared Paths - Consultation Outcomes, including minor amendments.
- D. THAT a further report is prepared and presented to Council by November 2017 for consideration of the options available for the treatment of obsolete footpaths with consideration to community feedback received during the consultation period for City of Darwin Policy No. 048 – Footpaths and Shared Paths.

BACKGROUND

Council's Strategic Plan Goal 2 is to create a Vibrant, Flexible and Tropical Lifestyle, which is supported through the outcome of Improved Access and Connectivity. The Footpath Policy is a key aspect of ensuring that this goal is able to be achieved.

Council's current Footpath Policy, **Attachment A** has been identified for review. This policy has been reviewed and **Attachment B** was endorsed by Council in August 2016 for community consultation.

The main changes in the policy were:

- Inclusion of Shared Paths – resulting in the title of the Policy being amended to Footpaths and Shared Paths.
- Included reference to Council's Bike Plan and City of Darwin Community Access Plan.
- Removal of technical and operational details that are included in other Council documents, such as subdivision guidelines and standard drawings.
- Removal of details regarding the community consultation process specific to footpaths.

This report summarises the outcomes of the community consultation and the subsequent amendments that have occurred to the draft policy.

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 REPORT NUMBER: 17TS0047 NN:km
 SUBJECT: CITY OF DARWIN POLICY NO.048 - FOOTPATHS AND SHARED PATHS
 - CONSULTATION OUTCOMES

DISCUSSION

The consultation for City of Darwin Policy No. 048 – Footpaths and Shared Paths was delivered in accordance with City of Darwin Policy No. 025 – Community Consultation at Level 2; *“we will keep you informed, listen to and acknowledge concerns and provide feedback on how public input influenced the decision”*. In addition, the consultation included Level 3 elements and techniques to ensure the broader community was targeted and provided with the opportunity to participate. Other stakeholders included relevant committees, government departments and community groups.

The goals of this consultation program were to:

- Present the updated policy for discussion and feedback.
- Understand the community’s expectations in relation to paths and their connectivity.
- Understand the important elements of paths to inform design and implementation of programs (to be included in the relevant guideline, not the policy).

A detailed description of the community consultation (including outcomes) is included in **Attachment D**.

The key aspects of the 64 responses received in relation to the policy during the consultation period are described below and include the recommended response/amendment required for each. The draft policy has been amended with tracked changes in **Attachment B**, and in its final form in **Attachment C**.

Consultation Feedback	Discussion	Recommended Policy Amendment
<u>Footpath width</u> The most commonly raised concern was that the footpaths are not wide enough, particularly to allow for pedestrians, cyclists, scooters and wheelchairs using the path together and to pass each other safely. There were 15 comments received raising this concern.	Footpath width is determined based on location and usage, and the Policy refers to this specifically.	No change – the updated policy doesn’t refer to width, as this is a technical issue.
<u>Obstruction of paths</u> The obstruction of paths by trees, plants and grass from verges and yards. It was suggested that more could be done to make the community aware of their responsibility to keep the path clear and enforce this.	Council has a vegetation maintenance program, which can be used in conjunction with condition reports to assist with prioritisation.	Added maintenance, including vegetation, to the list of programs developed (section 4, item ii.)

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 REPORT NUMBER: 17TS0047 NN:km
 SUBJECT: CITY OF DARWIN POLICY NO.048 - FOOTPATHS AND SHARED PATHS
 - CONSULTATION OUTCOMES

<u>Crossings and connections</u> The pathways are connected and safe crossing facilities are provided with appropriate standards for accessibility.	This is allowed for within the policy and current standards for construction.	No change.
<u>Maintenance</u> The maintenance of footpaths needs to be improved, raising concern about uneven and damaged paths.	Condition surveys are carried out every four years. These inform prioritisation of maintenance programs, in addition to maintenance through reporting.	Added maintenance to the list of programs developed (section 4, item ii.)
<u>Markings and signage</u> There was support for centre line markings and 'keep left' signage or markings on paths (particularly for shared paths).	This is considered in the Bicycle Technical Notes – and is included based on path width and usage.	No change.
<u>Community choice</u> There were three comments that some streets may not be suitable for a footpath and the residents of that street should be able to choose.	The Policy intent is to provide a safe and equal accessible community for all users. However, there are some cases where a footpath isn't suitable and this is considered at that time.	No change.
<u>Path location</u> There were two comments that the path should be constructed nearer the road than the fence line to make it safer to avoid cars backing out of driveways	This is a technical standard and considered separately. However paths are installed at the most suitable location for the street when they are being installed on existing streets. This is also discussed with residents at the time of construction.	No change.

The questions asked in the survey during consultation resulted in overall support of the policy as it was drafted, with the comments as listed above.

A significant area that will become a greater issue in the future is obsolete footpaths. An obsolete footpath is an asphalt footpath that was built at the time of the suburb (mostly in the 1970's and 1980's) but has not been replaced due to the other footpath in the street being upgraded to a concrete footpath. To date, residents have had the choice to remove this path, upgrade at their cost, or have Council undertake

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 REPORT NUMBER: 17TS0047 NN:km
 SUBJECT: CITY OF DARWIN POLICY NO.048 - FOOTPATHS AND SHARED PATHS
 - CONSULTATION OUTCOMES

minimal maintenance to just keep it safe. As these assets are significantly aged, future decisions will need to occur regarding whether they are actively removed, maintained, or replaced. Each of these has a cost impact not currently budgeted for. The consultation survey asked a question regarding obsolete footpaths and if it was preferred that they be removed, maintained or replaced. The results were:

- 55% favoured replacement.
- 30% favoured removal.
- 14% favoured maintenance.

Replacement incurs the most significant cost and it considered that further work is required in this area so that the potential cost impacts and risks of each option can be considered further. As a result, it is not recommended to amend the draft policy in relation to obsolete footpaths at this stage.

The community consultation process enabled feedback to be received from the community and this has been considered in the final policy included in **Attachment C**.

CONSULTATION PROCESS

As described in the Discussion section of this report.

The consultation was in accordance with City of Darwin Policy No. 025 – Community Consultation and feedback has been considered.

Responses will be provided to those that provided feedback following Council's decision regarding the policy.

POLICY IMPLICATIONS

As part of the review process, City of Darwin Policy No 048 – Footpaths, that was adopted 23 February 2010 will be superseded by the updated policy in **Attachment C**.

BUDGET AND RESOURCE IMPLICATIONS

The reviewed policy will have no impact on current or future budgets or resourcing. The policy review has been completed within existing operational budgets.

If Council were to consider replacing obsolete footpaths with new footpaths, there would be a significant financial cost to this as it results in an increased level of service. This would also apply if the widths of footpaths were increased from 1.2m to 1.5m as standard (a 25% increase).

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 REPORT NUMBER: 17TS0047 NN:km
 SUBJECT: CITY OF DARWIN POLICY NO.048 - FOOTPATHS AND SHARED PATHS
 - CONSULTATION OUTCOMES

RISK/LEGAL/LEGISLATIVE IMPLICATIONS

The policy ensures that Council works towards its aim to provide equal access opportunity to all and to not discriminate against people with a disability.

ENVIRONMENTAL IMPLICATIONS

There are no environmental implications as a result of adopting the updated policy.

COUNCIL OFFICER CONFLICT OF INTEREST DECLARATION

We the Author and Approving Officers declare that we do not have a Conflict of Interest in relation to this matter.

NADINE NILON
MANAGER TECHNICAL
SERVICES

LUCCIO CERCARELLI
GENERAL MANAGER
INFRASTRUCTURE

For enquiries, please contact Nadine Nilon on 8930 0687 or email:
 n.nilon@darwin.nt.gov.au.

Attachments:

- Attachment A:** Current City of Darwin Policy No. 048 – Footpaths.
- Attachment B:** Draft City of Darwin Policy No. 048 – Footpaths and Shared Paths (tracked changes).
- Attachment C:** Draft City of Darwin Policy No. 048 – Footpaths and Shared Paths.
- Attachment D:** Consultation Report.

Title: *Footpaths*
Policy No: *048*
Adopted By: *Council*
Next Review Date: *23/02/2014*
Responsibility: *General Manager Infrastructure*
Document Number: 2118515

Version	Decision Number	Adoption Date	History
1	20\2501	23/02/10	Adopted
2			
3			
4			

1 Policy Summary

The policy establishes where footpaths are to be provided throughout the municipality, the standards for design and construction and the priorities that Council applies to reconstruction and maintenance programs.

Part A Footpath Construction for New Developments and Subdivisions
Part B Footpath Construction and Reconstruction for Existing Roads
Part C Footpath Standards

2 Policy Objectives

The purpose of this policy is to provide guidance to Government, developers and residents on where Council requires footpaths to be provided throughout the municipality, the standards for design and construction and the priorities that Council applies to reconstruction programs and maintenance programs.

3 Background

Council will construct and maintain a footpath network throughout the municipality to provide appropriate pedestrian linkages to properties and public and private facilities in accordance with the following principles:

- Council will aim to provide equal access opportunity to all and will not discriminate against people with a disability.

- New footpath construction will be determined according to the road hierarchy, town planning zones and special needs.
- Reconstruction will be prioritised within budgetary constraints and according to the road hierarchy, town planning zones, special needs and existing footpath condition.
- Along a verge where a footpath is not being provided, a pedestrian corridor must be provided and maintained in accordance with Council's 'Verge' Policy.

4 Policy Statement

This policy does not cover the following:

- paths through parks and other public land that are not road reserve.
- walkways or laneways (refer to "Walkway Policy")
- footpaths used for alfresco dining and other commercial activities
- pedestrian requirements along verges (refer to "Verge Policy").
- cyclepaths and combined pedestrian/cyclepaths.

Footpaths Maintenance

The future priority for footpath maintenance **and** reconstruction will be directed towards addressing hazardous footpaths or sections of footpaths in the areas of greatest pedestrian use.

Priorities will be assigned following the annual assessment of the footpath condition survey.

Footpath Construction for New Developments and Subdivisions

In new developments and subdivisions a footpath will be provided on:

- (i) one side of the road for local roads
- (ii) both sides of the road for collector roads and above on the road hierarchy
- (iii) the side of the road containing medium to high density residential housing
- (iv) the side of the road containing commercial, special use, industrial and community purpose zonings
- (v) a side of the road to meet a special need.

On the side of a local road where a footpath is not provided, access to all properties must be provided via the driveway in accordance with AS1428 Part 1.

Footpath Construction and Reconstruction for Existing Roads

Within financial constraints and priorities based on condition and need, Council will provide a footpath on:

- (i) one side of the road for local roads
- (ii) both sides of the road for collector roads and above on the road hierarchy.
- (iii) the side of the road containing medium to high density residential housing
- (iv) the side of the road containing commercial, special use, industrial and community purpose zonings.
- (v) a side of the road to meet a special need.

Where a footpath is not provided, access to all properties must be provided via the driveway in accordance with AS1428 Part 1, subject to physical constraints.

Footpath Standards

Footpaths shall be designed and constructed in accordance with Aust Roads Guide to Traffic Engineering Practice, Part 13 and Council's Standard Drawings and Specifications. Council's Standard Drawings and Specifications will take precedence over the Aust Roads Guide where they differ. Generally the footpath in a residential or industrial area will be constructed from concrete, be 1.2m wide and offset 300mm from the property boundary with a 1.5% cross-fall, however, the footpath may be located anywhere within the verge width to meet specific local requirements. In a commercial area the footpath will generally be full verge width, except in new developments or redevelopments where substantial softening of those areas with appropriate landscaping is required. Ramps and crossings will generally exceed the minimum requirements of AS1428 Part 1.

Polished and smooth, sealed surfaces, e.g., ceramic tiles will not be approved.

Root barriers will be installed on both sides and along the full length of all new footpaths in new subdivisions and developments. In established road reserves root barriers shall be installed where required during new constructions and reconstructions.

Visual Aids

Council is still considering the appropriate use of tactile tiles and other forms of grade definition to assist pedestrians with a visual impairment. Developers should approach Council staff to determine requirements on a case by case basis until a position is finalised.

Lighting

Generally footpaths will be lit from the street lighting system in accordance with AS/NZS 1158.3.1. Where there is no street lighting the footpaths will not be separately lit.

Removal of Obsolete Footpaths

On local roads where a serviceable footpath has been provided on one side of the road and an existing footpath on the opposite side of the road has deteriorated to such an extent that it is no longer practical to maintain (the obsolete footpath), Council may remove the obsolete footpath and replace it with either gravel or soil and seed depending on the circumstances within that street. If soil and seed is provided, Council will rely on the resident to propagate and maintain the verge. Council may leave an obsolete footpath in place if it does not pose any significant safety concern to the public. Council will provide only minimum maintenance to obsolete footpaths.

If an owner or resident wishes to upgrade their verge, they may remove the obsolete footpath at their expense and upgrade the verge in accordance with Council's "Nature Strip Policy".

Reconstruction Priorities on Existing Roads

Council's priority is to provide at least one fully compliant footpath in good condition generally throughout the whole of the municipality before commencing reconstruction of footpaths on the opposite side of the road. Exceptions to this will be based on need and merit, e.g. special mobility needs.

Issues to be considered when determining which roads and which sides of the road have highest priority may include but are not limited to the following:

- concentrations of pedestrian and vehicular traffic and potential for conflict,
- access to community, public and commercial facilities,
- preferred pedestrian paths i.e. shortest distance walked,
- linkages to other paths,
- verge vegetation,
- location of services,
- special needs,
- pedestrian links identified in Council strategies,
- other site specific issues.

Footpaths will generally not be constructed adjacent vacant or undeveloped lots due to potential damage caused during subsequent development. If however the footpath is a high usage linkage, or there is a special need mobility issue or there are considerable delays expected in the development of the land, a suitable standard footpath may be provided.

Construction and reconstruction of new footpaths will generally be considered a higher priority than removal of obsolete footpaths unless safety is an issue.

Access to Commercial Properties

Commercial property owners are required to provide equal access to their building within their property boundaries. Generally ramps will not be approved in the public space, however where only minor changes of grade are required and there is no adverse impact within the road reserve, minor adjustments may be approved at the owners expense.

Process Advising Residents

- i) Council will send out a standard letter to the owner/resident at the beginning of the financial year advising of Council's intention to construct/reconstruct a footpath on the odd/even numbered side of the road and requesting that any objection to the proposal be lodged within 30 days.
- ii) Approximately 2 weeks prior to construction/reconstruction of the footpath, staff will letterbox residents notifying them of the intended commencement of construction/reconstruction .
- iii) If significant tree/root pruning is required, staff will letterbox drop residents approximately 3 working days in advance advising of impending works (Attachment B to Report Number 07TS0185).

- iv) If a driveway is more than 50% damaged and is to be reconstructed as part of the footpath reconstruction program, the affected residents are letterboxed 3 days in advance to ensure that appropriate property access is arranged .

Returned results of the first letter will be compiled and any objections will be responded to by staff to try to satisfy the residents concerns. If a street has an overwhelming “no” response i.e. more than 50% of residents oppose the construction / reconstruction it generally will not proceed until such time as there is a change in support from the local residents, unless a special need exists. If there is a strong but not overwhelming objection (20-50% of residents/owners) staff will put a report to Council with a recommendation whether to proceed or not. Residents/owners will be advised of the outcome. If there is weak objection (<20% of residents/owners) staff will advise the residents/owners of our intention to proceed.

During Step 2, staff will try and visit or contact each resident/owner who objects to the construction and try to satisfy their concerns. If the staff member is unable to satisfy their concerns, the objector will be advised to write in formally to Council. The Operations Manager normally responds to these objections with copies going to Ward Aldermen and normally advises that the works would proceed. If a petition is received prior to commencement of construction or if a direction comes from the General Manager Infrastructure or Chief Executive Officer the works are postponed and a report is put to Council. If the works have already begun, a decision may be made to halt the works or proceed depending on the circumstances.

5 Legislation, terminology and references

The ‘Alfresco Dining’ Policy’, ‘Verge’ policy and ‘Mitchell Street Precinct Development Policy’ are relevant as are the City of Darwin Sub Division Guidelines for footpaths in new suburbs.

Definitions

“Footpath” – paved area within the verge in the road reserve constructed predominantly for pedestrian travel. Unpaved areas are considered to be verge.

“Construction” – construction of a new footpath where one previously did not exist.

“Reconstruction” – replacement of an existing footpath with a new footpath.

“Obsolete Footpath” – on local roads where only one footpath is to be provided on one side of the street, an existing footpath on the opposite non preferred side will be classified as an obsolete footpath.

Title: *Footpaths and Shared Paths*

Policy No: *048*

Adopted By: *Council*

Next Review Date:

Responsibility: *General Manager Infrastructure*

Document Number: 2118515

Version	Decision Number	Adoption Date	History
1	20\2501	23/02/10	Adopted
2			
3			
4			

1 Policy Summary

This Policy establishes the framework for Council's footpath and shared path pathways network.

2 Policy Objectives

The purpose of this policy is to provide guidance on the provision and care of footpaths and shared paths throughout the municipality. Council seeks to maintain and provide a network of footpaths and shared paths for the community that is safe, provides equal access, and is fit for purpose to encourage cycling and walking.

3 Background

Council provides and maintains footpaths and shared paths to ensure safety, accessibility and connectivity of spaces and to improve access for people of all ages and abilities.

4 Policy Statement

Council will construct and maintain a footpath and shared path network throughout the municipality to provide and improve connectivity to properties and public and private facilities in accordance with the following principles:

- i. Council will provide;
 - a. at least one footpath per local road
 - b. two footpaths on sub arterial roads, primary collector roads, adjacent schools, bus routes and other areas of special need, with one path being a shared path
 - c. footpaths and shared paths of suitable widths to meet access and requirements and be fit for purpose (ie schools, recreation, high usage)
 - d. footpaths and shared paths through parks to provide pedestrian and cyclist networks
 - e. connections to walkways
- ii. Council will develop annual and ongoing programs for the [maintenance \(including overhanging vegetation\)](#), construction, reconstruction and removal of footpaths and shared paths.
- iii. New footpath and shared path construction will be determined within budgetary constraints and prioritised according to special need, demand, road hierarchy, connection and linkages, town planning zones, and area plans.
- iv. Council may remove obsolete footpaths and replace with an appropriate verge material when the path has reached the end of its useful life.
- v. Where a footpath is not provided, a pedestrian corridor must be provided and maintained within the verge.
- vi. Commercial property owners must not compromise the Council's verge and footpath in providing compliant access to their building.
- vii. In locations where a footpath or shared path is not provided, access to properties is provided via the driveway.

5 Legislation, terminology and references

The following City of Darwin Policies, Plans and Guidelines are relevant to this Policy;

- Alfresco Dining Policy
- Verge Policy
- Awnings, Balconies and Verandahs Policy
- City of Darwin Subdivision Guidelines
- City of Darwin Standard Drawings
- City of Darwin Community Access Plan
- City of Darwin Bike Plan
- Darwin City Centre Master Plan

The following legislation is relevant to this Policy;

- Disability Discrimination Act 1992
- Relevant Australian Standards

Definitions

“Construction” – construction of a new footpath where one previously did not exist.

“Footpath” – refers to any formalised and constructed pedestrian access within a road reserve, or Council land such as parks. All footpaths within Darwin’s municipality are able to be used by pedestrians and cyclists.

“Obsolete Footpath” – footpaths that have reached the end of their useful life, are no longer serviceable through standard maintenance and are not programmed for future replacement. A serviceable footpath will exist on the other side of the road.

“Pedestrians” – within this Policy, pedestrians include all legal footpath users.

“Reconstruction” – replacement of an existing footpath with a new footpath, which may also be an upgrade to a different material.

“Removal” – removal of an existing footpath.

“Shared Path” – includes any path designed with the intention to accommodate both pedestrians and cyclists.

“Special Need” – includes any location where pedestrian traffic would be considered to be significant or the users to have limited mobility or require clear guidance.

“Verge” – the area from the road surface/kerb to the adjoining property boundary.

Title: *Footpaths and Shared Paths*

Policy No: *048*

Adopted By: *Council*

Next Review Date:

Responsibility: *General Manager Infrastructure*

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“Verge” – the area from the road surface/kerb to the adjoining property boundary.



Community Consultation Report

Level 2 Consult

Draft Footpaths and Shared Paths Policy

April 2017

1. BACKGROUND

City of Darwin Policy No. 048 – Draft Footpaths and Shared Paths was recently reviewed and updated. The Draft Policy was endorsed for the purpose of consultation to seek feedback from the community (Decision No 21\4865).

2. APPROACH

The community consultation plan was consistent with the City of Darwin's Community Consultation Policy 025. It was a Community Wide Level 2 plan designed to provide the community and stakeholders with information about the updated policy, seek their views, and provide feedback on how public input influenced the outcome. The consultation period was for 5 weeks from the 3 February to the 10 March 2017.

The objectives of this consultation program were:

- to present the updated Policy for discussion and feedback
- to understand the community's expectations in relation to the provision of footpaths and shared paths

3. METHOD AND TOOLS

The methods and tools used included:

- Webpage
- Survey
- Letters and emails to stakeholders
- Letters to residents (random selection of 500 residents)
- Fact sheet
- Social media
- Public Notice
- eNewsletter
- NT News One Page Ad

Examples of the methods and tools used is provided at **Appendix A**.

4. CONSULTATION RESULTS

There were 64 survey responses received, one written submission and four email responses.

The most commonly raised issues were:

Footpath width

The most commonly raised concern was that the footpaths are not wide enough, particularly to allow for pedestrians, cyclists, scooters and wheelchairs using the path together and to pass each other safely. There were fifteen comments received raising this concern.

Obstruction of paths

The obstruction of paths by trees, plants and grass from verges and yards. It was suggested that more could be done to make community aware of their responsibility to keep the path clear and enforce this.

Crossings and connections

The pathways are connected and safe crossing facilities are provided with appropriate standards for accessibility.

Maintenance

The maintenance of footpaths needs to be improved, raising concern about uneven and damaged paths.

Markings and signage

There was support for centre line markings and 'keep left' signage or markings on paths (particularly for shared paths).

Community choice

There were three comments that some streets may not be suitable for a footpath and the residents of that street should be able to choose.

Path location

There were two comments that the path should be constructed nearer the road than the fence line to make it safer to avoid cars backing out of driveways

The Northern Territory Government Department of Infrastructure Planning and Logistics submitted feedback to be considered (Letter provided at **Appendix B**):

- That the policy considers the provision of safe pedestrian and cycling crossing facilities to provide connectivity across the path network
- The policy include reference to appropriate connections to adjoining path infrastructure including provision of limits for construction; maintenance responsibilities and conformity of path widths
- The policy include reference to relevant path construction materials such as asphalt and concrete

Survey Results Summary

The full survey results are provided at **Appendix C**.

Respondents were asked to identify where they lived, there were 21% living in Darwin City Centre, 17% in the inner suburbs (The Gardens to The Narrows) 25% in the mid-suburbs (Ludmilla to Nightcliff) and 32% in the northern suburbs. 56% of respondents live in a house/single dwelling and 44% in a unit/flat. There were 74% of respondents who were owners of their residence and 26% were renting tenants.

Of the respondents 60% have a footpath on one side of the street, 32% have a footpath on both sides of the street and 8% have an obsolete footpath on their street.

Policy Objective

The policy objective is 'Council seeks to maintain and provide a network of footpaths and shared paths for the community that is safe, provides equal access, and is fit for purpose to encourage cycling and walking.'

The objective was strongly supported with 95% of respondents supporting the policy objective and 5% not supporting it.

Comments received included:

<i>We need much more wider paths. Most are single lane & not fit for both cyclist & walkers!</i>
<i>I do have concerns about cyclist going too fast as previously had my dog run over by a cyclist</i>
<i>Yes - but they should also be free of anti-social behaviour - as is out the front on the footpath every day outside Spillett House - broken bottles and people defacing on the footpath</i>
<i>Cycling and walking' is too limited a description, used for wheeled movement including skate boards, wheel chairs etc</i>
<i>Whilst predominately the needs of people with disAbilities are the same as other pedestrians, there are some common issues for scooters, wheelchairs etc (that can be shared by people with prams) that should be explored. Especially as suspect we will continue to experience a growth in scooters, motorised wheel chairs.</i>
<i>How often are paths reviewed ones near my house are uneven and sticking up. Will they be monitored?</i>

One path per road

The new Footpath and Shared Path Policy commits to Council providing a connected footpath and shared path network by providing a minimum of one path per road across the municipality. 90% of respondents supported this policy statement and 10% were not supportive.

Comments received included:

<i>Bike paths should be separate - especially for the disabled and elderly and all our senior Territorians</i>
<i>The Policy statement should be amended to indicate 'in consultation with the local community'. If the residents don't want a footpath, don't force one on them. Not all quiet, local streets need a footpath, the road can be a shared space for all users.</i>
<i>I live in Stuart park, there are some very quiet streets and cul-de-sacs where a footpath would be impractical and ruin the appearance of a lot of front verges</i>
<i>But some quite streets may choose not to have a concrete path if the road is safe for wheeled movement</i>
<i>If there is a road (for motor vehicles) in an area, it is better to have a minimum of TWO paths per road, ie one foot path on each side of the road. This will alleviate the need for elderly residents and residents who may be sick and are walking somewhere to cross a road in order to access a footpath.</i>
<i>Consideration must be given to wheelchair users that reside on the side of the street without a footpath. Provisions must be in place for safe road crossings, and gradients for accessing footpath from road.</i>
<i>I like the legal capacity to ride bikes safely on footpaths, roads are so dangerous for cyclists</i>

Two paths

The new Draft Policy also includes increasing the number of paths to two footpaths on sub arterial roads (ie Lee Point Road), primary collector roads (ie Dripstone Road), adjacent schools, bus routes and other areas of special need, with one path being a shared path.

92% of respondents support this policy statement and 8% do not support it.

Comments received included:

<i>Again - elderly and vision impaired people and our senior Territorians are not mobile to move out of the way for cyclists</i>
<i>I don't believe every bus route requires dual footpaths, one shared path could be sufficient</i>
<i>In the interest of cost-savings, sub arterial roads, as in Lee Point Road, need not have two footpaths. The other roads and areas may be considered, and can be agreed upon.</i>
<i>No they should both be shared paths - this would demonstrate you are genuine about getting people to bicycle.</i>

Obsolete footpaths

Respondents were asked if they would prefer for obsolete footpaths to be removed, replaced or maintained.

**An obsolete footpath is a footpath that has reached the end of its useful life, is no longer serviceable through standard maintenance and is not programmed for future replacement. A serviceable footpath will exist on the other side of the road.*

55% of respondents would prefer the obsolete footpath is replaced. 30% of respondents would prefer it to be removed and 14% would prefer it to be maintained.

Comments received included:

<i>It depends on the other footpath - some people incorporate the footpath into their front lawns - so there is no footpath on either side of the road - if one footpath is OK - then I would say remove the old one</i>
<i>Makes it safer if we provide as many options for pedestrian, cycling traffic. It has an overall positive effect if we only use the car when we have/need to. Less congestion, less parking hassles, safer for people not in cars. People who don't have a car are less isolated and can participate in the community on easily.</i>
<i>Case by case with input from residents in effected areas</i>
<i>Get rid of it and replace it with visually aesthetic vegetation and plants. This will add far greater value than ugly paths</i>
<i>I have personally observed elderly residents living along my street and they would be walking somewhere regularly. Hence, in the interest of safety, it is preferred to REPLACE the obsolete footpaths, and have one footpath on each side of the road. I am on Musgrave Crescent.</i>

<i>Remove the damaged path as long as there is a path on the opposite side of the street</i>
<i>No - no footpath is obsolete....bicycling through someone's extended garden is hazardous.</i>
<i>If it's already there do some upkeep and get people up and out</i>

General Feedback

<i>The footpaths are almost always too thin, for a couple, or a pram, or a bike.</i>
<i>Please separate pedestrians and cyclists for the benefit of both groups</i>
<i>I often walk after dark or before dawn. To assist with fall avoidance I walk on the road not footpath as the footpath is frequently so poorly lit and the road is well lit</i>
<i>Need to create paths that are away enough from houses so their garden doesn't obstruct the walkway</i>
<i>I support centre lines on paths where they are wide enough to reduce conflict. Directional arrows and signs about shared paths, dogs on leads (Walk them on your left) etc. Where a path runs out on one side of the road, a clear crossing to next path would help. Paths and crossings in the CBD to allow continuous foot/bike traffic would help reinvigorate the space.</i>
<i>Make them as wide as possible, lane markings and 'keep left' signage, make them as shady as possible</i>
<i>The policy as such is ok, but the quality of footpaths in the northern suburbs is generally appalling. It is barely possible to walk along one let alone ride a bike. Overgrown vegetation, uneven, too narrow - people cannot walk side by side, A walkable city does not mean just the cbd it should apply to the whole of the municipality. Footpaths have been seriously neglected in favor of "vibrant" projects. Time to change.</i>
<i>Make footpaths wide enough for a wheelchair/scooter or double pram to pass safely</i>
<i>Issues raised by IdA members include; the state of verges, often covered in vegetation. Residents should be responsible for ensuring they maintain the access. Further to this is the issue of vehicles parking across driveways that force people dangerously onto the road and into oncoming traffic. Often people on scooters are blocked completely because the gutter means they have no ramp to get down onto the road. IdA members have raised that residents should be notified by Council why not to do this and the consequences. Further on-going issue is dogs on the fence line, it is not enough to put up a 'dangerous dog' sign, information/incentives for residents to bring dogs back from the fence line.</i>
<i>Suggest the policy includes consultation with the community regarding priorities. Exhibit a list of proposed upgrades annually for community comment.</i>
<i>I believe a shared riding/walking path is highly desirable, I do not believe in the shared vehicle/foot/cycling efforts attempted thus far. I am a cyclists myself and I believe for the safety of all road users that Cyclist be kept off the road and made to ride on the available cycle/shared paths for their own safety. Need a foot/bike path on the full length of amy</i>

<i>johnson road that links to Stuart Highway and Tiger Brennan.</i>
<i>Sometimes, there are some footpaths and shared paths that have been obstructed. It is good that enforcement of the good accessibility and availability of this Footpath and Shared Paths be enforced, and hence, such enforceability methods be included into the Policy.</i>
<i>Connections of the paths is key to having a usable network of shared paths. There are multiple instances of bikes and pedestrians having to cross backwards and forwards across roads.</i>
<i>Be mindful of flow across intersections. Often this is dangerous when the entry and exits don't match up and cause the user to zigzag to cross the intersection. Be mindful of hand rail positions. Often these are dangerous for cyclists transitioning from road to path. Perfect example is the hand rail on the Crocadylus side of the roundabout at Vanderlin Drive and McMillans Rd. Barrier rails should follow the curve of the path to avoid the risk of catching handlebars on protruding barrier rails. McMillans Rd path, Knuckey Lagoon is a great example. A cycle/shared path inbound on Bagot Rd would be useful and safer.</i>
<i>Heavy track paths should have a separate cycle-only track built.</i>
<i>Please indicate on all footpaths, shared or otherwise, that you walk on the left side of the footpath so there is no excuse for passing discourtesy. Please also make the footpaths wider than the bare minimum so that they can be used by bicyclist & walkers safely. i.e. rut or drop between the edge of the path & the turf/verge is hazardous to bicycle riders so they are reluctant to drop of the path when passing those on foot thus putting everyone in danger. Nor are some of the footpaths wide enough to pass new age perambulators or couples walking together & not prepared to indian file pass another walker hence they elbow & barge passed as though it is their right to walk beside their partner. I know respect is not something you should have to teach people but you can assist if not by widening the paths then a cheap solution is indicating the rules as you do the markings on the shared paths. Walkers do not want bikes on paths and cars do not want bikes on roads. You the Council and the Government want bicycles and walking to be used by more of us. So get real and make some real changes. Currently what you supply just makes everyone unhealthily angry.</i>
<i>Consider the needs of residents that use mobility devices and how they can safely access footpaths, especially when on the opposite side of the road.</i>
<i>Path should be constructed nearer the road than the fence line to make it safer to avoid cars backing out of drives, particularly where there is no visibility into the yard. Some shared paths are very dangerous and leave Council liable should an accident occur.</i>
<i>The last dot point doesn't really make any sense. If it means that Council will not supply a footpath due to residents objecting to it, couldn't this be included into the dot point above it? "Council may, at its discretion, request that a footpath or shared path construction be reconsidered"</i>
<i>In regard to the draft footpath policy, approval will allow a consistent approach to footpaths, and support having a footpath on at least one side of our street (Green Street), so pedestrians do not have to walk on wet nature strips, or as they do currently, on the street, where they frequently dodge cars.</i>

5. CONCLUSION


This consultation report provides the feedback received from the five week consultation on the Draft Footpaths and Shared Paths Policy.

It is recommended that the next steps are:

- The feedback is considered and any appropriate changes made to the Draft Policy. In particular it is recommended that the following issues raised from the consultation be considered and responded to:
 - Footpath width
 - Obstruction of paths
 - Crossings and connections
 - Maintenance
 - Markings and signage
 - Community choice
 - Path location
- The consultation report and updated Draft Policy be presented to Council for consideration.
- The outcomes of the consultation and final endorsed policy are communicated to the community and directly to those respondents that requested to be kept informed.

City of Darwin Webpage

Draft Footpath and Shared Paths Policy



Council provides and maintains footpaths and shared paths to ensure safety, accessibility and connectivity of spaces and to improve access for people of all ages and abilities.


What is the policy about?

The Draft Footpaths and Shared Paths Policy provides guidance on the provision and care of footpaths and shared paths throughout the Darwin municipality. The policy establishes where footpaths and shared paths are to be provided throughout the municipality, the standards for design and construction and the priorities that Council applies to reconstruction and maintenance programs.


More information

[Draft Footpath and Shared Paths Policy Fact Sheet](#)

[Draft Footpath and Shared Path Policy](#)



We want to hear your views, please complete the following survey to tell us what you think about the policy.



Consultation closes on the 10 March 2017

For further information please contact Sheree on 8930 0197 or email haveyoursay@darwin.nt.gov.au

[→ Council Meetings](#)

[→ Council Policies](#)

eNewsletter article



Have Your Say: Draft Footpath Policy

City of Darwin provides and maintains footpaths and shared paths to ensure safety, accessibility and connectivity of spaces to improve access for people of all ages and abilities. The Draft Footpaths and Shared Paths Policy provides guidance on the provision of footpaths and shared paths within the Darwin municipality. Have your say on the draft policy and tell us what you think.

[Find out more](#)

NT News Public Notice

Have Your Say!

Draft Footpath and Shared Path Policy

Council provides and maintains footpaths and shared paths throughout the municipality.

City of Darwin is seeking feedback from the community regarding the Draft Footpath and Shared Path Policy.

For further information and to provide your input, go to darwin.nt.gov.au/footpathpolicy or call our Senior Community Engagement Officer on 8930 0197.



Fact sheet

HAVE YOUR SAY

FACTSHEET

Draft Footpaths and Shared Paths Policy

*Did you know...
 There are 550km of
 footpaths and shared
 paths in Darwin*

City of Darwin provides and maintains footpaths and shared paths to ensure safety, accessibility and connectivity of spaces and to improve access for people of all ages and abilities. The Footpaths and Shared Paths Policy provides guidance on the provision and care of footpaths and shared paths throughout the Darwin municipality. The policy has recently been reviewed and **we want to hear your views!**

HAVE YOUR SAY

haveyoursay@darwin.nt.gov.au
 8930 0300 | GPO Box 84 Darwin 0801
darwin.nt.gov.au

CITY OF DARWIN

Draft Footpaths and Shared Paths Policy

What are key points of the draft Policy?
 Council will provide:

- at least one footpath per local road
- two footpaths on subarterial roads, primary collector roads, bus routes and other areas of special need, with one path being a shared path
- footpaths and shared paths through parks to provide pedestrian and cyclist networks

New footpath and shared path construction will be prioritised according to special need, demand, road hierarchy, connection and linkages, town planning zones, and area plans.

The community will be advised of footpath and shared path construction and reconstruction and Council will be responsive to all feedback received during consultation periods.

What do you think?
Do you think every road needs a footpath? Do you want paths through parks?
 We want to know your views! For a copy of the draft Footpaths and Shared Paths Policy and to provide your feedback go to

darwin.nt.gov.au/footpathpolicy

*Have your say by
 10 March 2017*

TAKE THE SURVEY

HAVE YOUR SAY

haveyoursay@darwin.nt.gov.au
 8930 0300 | GPO Box 84 Darwin 0801
darwin.nt.gov.au

CITY OF DARWIN

**City of Darwin**

Published by Siobhan Tootell [?] · February 3 at 9:21am · 🌐

Do you think every Darwin road should have a footpath?
We're after foot for thought on our Draft Footpaths and Shared Path Policy. Key points of the draft policy include Council's commitment to provide one footpath per local road and shared paths through parks for pedestrians and cyclists. Don't tread lightly, visit our website and have your say.



Draft Footpath and Shared Paths Policy | City of Darwin

The Draft Footpaths and Shared Paths Policy provides guidance on the provision and care of footpaths and shared paths throughout the Darwin municipality.

DARWIN.MT.COUNCIL.LY BY DARWIN.CITY.COUNCIL

Draft Footpaths and Shared Paths Policy

Council provides and maintains footpaths and shared paths to ensure safety, accessibility and connectivity of spaces and to improve access for people of all ages and abilities.

The Draft Footpaths and Shared Paths Policy provides guidance on the provision and care of footpaths and shared paths throughout the Darwin municipality.

Thank you for completing this survey to help us understand the views of the community. Your feedback will be included in a consultation report that will be prepared for Council before endorsement of the final policy. The consultation report will be available on Council's website.

1. Where do you live?

2. Do you live in a;

- ☐ House/single dwelling
- ☐ Unit/flat in a block with others

Other (please specify)

3. Are you a;

- ☐ Owner/rate payer
- ☐ Renting tenant

Other (please specify)

4. Do you;

- ☐ Have a footpath on one side of your street
- ☐ Have a footpath on both sides of your street
- ☐ Have an obsolete* footpath on your street (*An obsolete footpath is a footpath that has reached the end of its useful life, is no longer serviceable through standard maintenance and are not programmed for future replacement. A serviceable footpath will exist on the other side of the road. Obsolete footpaths in the Darwin municipality are often old bitumen paths that are significantly worn.)

Other (please specify)

5. What do you use the footpath and shared path network for?

- ☐ Exercise (running/jogging/walking)
- ☐ Cycling (recreational)
- ☐ Cycling (transit)
- ☐ To get to destinations i.e. to schools, shops, parks, work

Other (please specify)

6. The Draft Footpath and Shared Path Policy Objective is: Council seeks to maintain and provide a network of footpaths and shared paths for the community that is safe, provides equal access, and is fit for purpose to encourage cycling and walking.

Do you support the Policy Objective?

- ☐ Yes
- ☐ No

Comment

7. The new Footpath and Shared Path Policy commits to Council providing a connected footpath and shared path network by providing a minimum of one path per road across the municipality.

Do you support this Policy statement?

- ☐ Yes
- ☐ No

Comment

8. The new Draft Policy also includes increasing the number of paths to two footpaths on sub arterial roads (ie Lee Point Road), primary collector roads (ie Dripstone Road), adjacent schools, bus routes and other areas of special need, with one path being a shared path.

Do you support this policy statement?

- ☐ Yes
- ☐ No

Comment

9. If you have an obsolete footpath on your street, would you prefer that it be:

**An obsolete footpath is a footpath that has reached the end of its useful life, is no longer serviceable (through standard maintenance) and is not programmed for future replacement. A serviceable footpath will exist on the other side of the road. Obsolete footpaths in the Darwin municipality are often old bitumen paths that are significantly worn.*

- ☐ Removed
- ☐ Replaced
- ☐ Maintained

Comment

10. Do you have any other feedback on the Draft Footpath and Shared Path Policy?

11. If you would like to be kept informed of the consultation outcomes and the final policy, please provide your email address below:

Mr Brendan Dowd
Chief Executive Officer
City of Darwin
GPO Box 84
Darwin NT 0801

Chief Executive
Level 5 Energy House
18-20 Cavenagh Street
DARWIN NT 0800

Postal Address
GPO Box 1680
DARWIN NT 0801

T 08 8924 7029
E andrew.kirkman@nt.gov.au

File Ref: 2017/0287-0003-0002

Brendan
Dear Mr Dowd

Re: Draft Footpaths and Shared Paths Policy

I am writing to provide comments from the Department of Infrastructure, Planning and Logistics regarding the City of Darwin's draft Footpaths and Shared Paths Policy.

As you are aware, the Department manages and maintains a network of footpaths and shared paths as part of the arterial road network and it is important that the arterial and local path networks are integrated to ensure connectivity and continuity of standard. In this context, the Department would like to provide the following comments on the draft Policy:

- It is suggested that the policy considers the provision of safe pedestrian and cycling crossing facilities to provide connectivity across the path network;
- It is recommended that the policy includes reference to appropriate connections to adjoining path infrastructure including provision of limits for construction; maintenance responsibilities and conformity of path widths; and
- It is suggested that the policy could include reference to relevant path construction materials such as asphalt and concrete.

Thank you for providing the opportunity to comment on the draft Policy and if you require any further information, please do not hesitate to contact Ms Jo Cruickshank, Senior Policy Officer, on 8924 7163 or jo.cruickshank@nt.gov.au

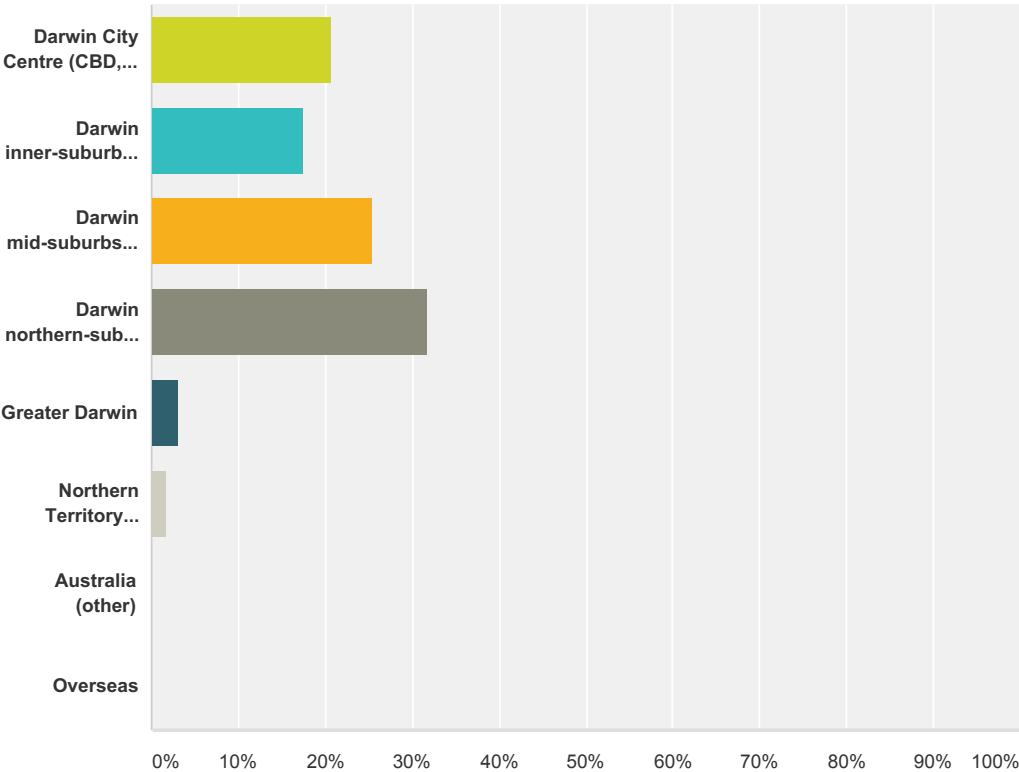
Yours sincerely,

Andrew Kirkman
Andrew Kirkman
Chief Executive

9 March 17

Q1 Where do you live?

Answered: 63 Skipped: 1



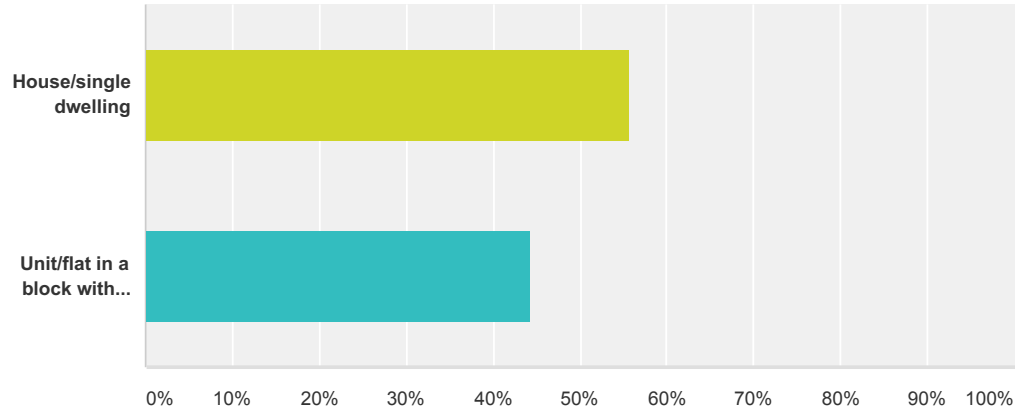
Answer Choices	Responses	
Darwin City Centre (CBD, Waterfront, Cullen Bay, Frances Bay, Larrakeyah)	20.63%	13
Darwin inner-suburbs (The Gardens, Stuart Park, Parap, Woolner, Bayview, Fannie Bay, The Narrows)	17.46%	11
Darwin mid-suburbs (Nightcliff, Millner, Rapid Creek, Coconut Grove, Ludmilla)	25.40%	16
Darwin northern-suburbs (Alawa, Anula, Berrimah, Karama, Leanyer, Malak, Marrara, Moil, Jingili, Tiwi, Brinkin, Wagaman, Wanguri, Wulagi)	31.75%	20
Greater Darwin	3.17%	2
Northern Territory (other)	1.59%	1
Australia (other)	0.00%	0
Overseas	0.00%	0
Total	63	

Q2 Do you live in a;

Answered: 61 Skipped: 3

Draft Footpaths and Shared Paths Policy

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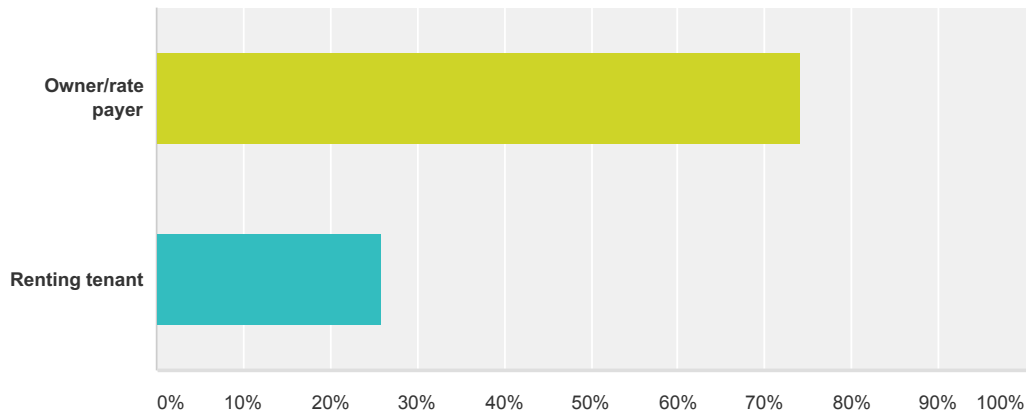


Answer Choices	Responses
House/single dwelling	55.74% 34
Unit/flat in a block with others	44.26% 27
Total	61

#	Other (please specify)	Date
1	Nightcliff Community Centre	3/2/2017 10:10 AM
2	Semi-detached House	2/18/2017 11:41 AM
3	Boat	2/3/2017 9:07 AM

Q3 Are you a;

Answered: 62 Skipped: 2



Answer Choices	Responses
Owner/rate payer	74.19% 46
Renting tenant	25.81% 16
Total	62

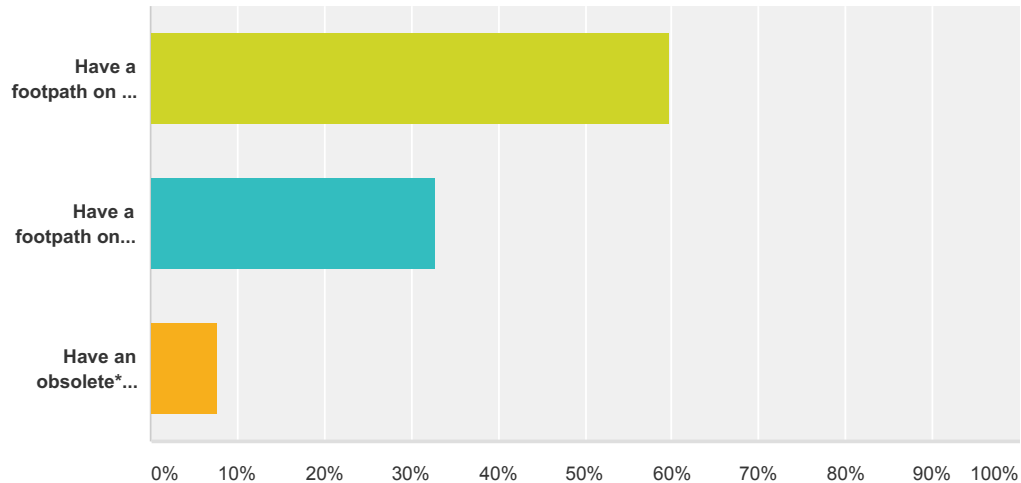
#	Other (please specify)	Date
1	Defence - Larrakeyah	3/9/2017 5:29 PM

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2	Integrated disAbility Action	3/2/2017 10:10 AM
3	does this mean if I was a renter my opinion weightless???	2/9/2017 2:55 PM

Q4 Do you;

Answered: 52 Skipped: 12



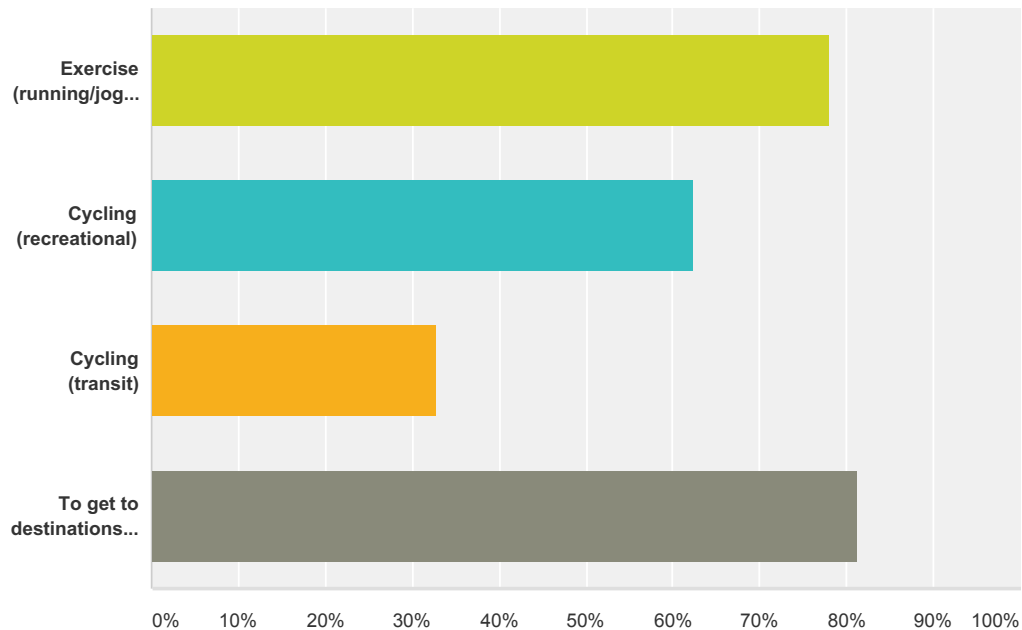
Answer Choices	Responses
Have a footpath on one side of your street	59.62% 31
Have a footpath on both sides of your street	32.69% 17
Have an obsolete* footpath on your street (*An obsolete footpath is a footpath that has reached the end of its useful life, is no longer serviceable through standard maintenance and are not programmed for future replacement. A serviceable footpath will exist on the other side of the road. Obsolete footpaths in the Darwin municipality are often old bitumen paths that are significantly worn.)	7.69% 4
Total	52

#	Other (please specify)	Date
1	I'm on Arthur street. I don't think there's a footpath on either side but maybe on the opposite side to us...	3/10/2017 12:08 PM
2	There appears to be no footpath at 91 McMinn st going down hill to the gardens on either side.	3/10/2017 11:18 AM
3	None	3/10/2017 9:34 AM
4	Corner block. 1 side has 2 footpaths and other dose has no footpaths.	3/9/2017 5:20 PM
5	Nil footpath on my street	3/9/2017 11:01 AM
6	no foot path available both sides of our street.	3/9/2017 10:27 AM
7	we also have Poincana PArk at the front or our building - COTA NT	3/3/2017 10:49 AM
8	none on either side	3/2/2017 10:49 AM
9	No footpath	2/28/2017 9:24 PM
10	Mostly on one side, but it varies as to which side it is on and sometimes there are parallell footpaths	2/17/2017 11:28 AM
11	No footpath	2/14/2017 11:16 AM
12	The footpath on the northside of the street is useless & dangerous to ride a bicycle on	2/9/2017 2:55 PM

13	No footpath	2/3/2017 9:39 AM
14	Used to have both but The lady across the street ripped up the footpath about 5 year ago	2/2/2017 9:11 PM

Q5 What do you use the footpath and shared path network for?

Answered: 64 Skipped: 0

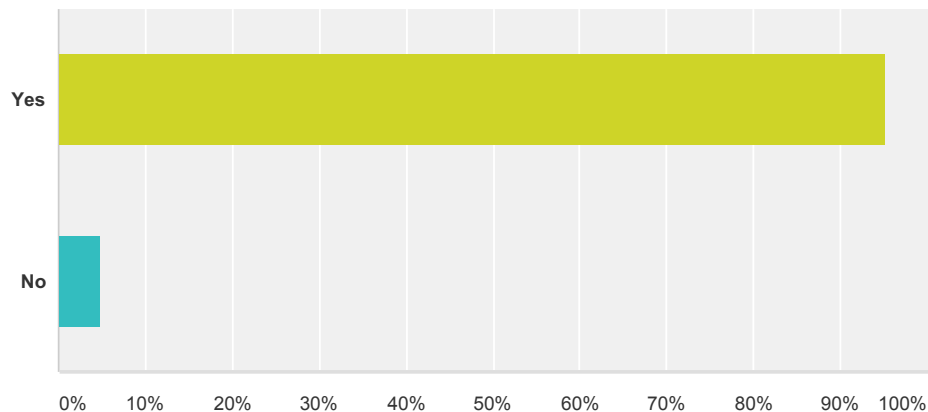


Answer Choices	Responses
Exercise (running/jogging/walking)	78.13% 50
Cycling (recreational)	62.50% 40
Cycling (transit)	32.81% 21
To get to destinations i.e. to schools, shops, parks, work	81.25% 52
Total Respondents: 64	

#	Other (please specify)	Date
1	Roller Skating	3/9/2017 11:41 AM
2	walking dogs and my children.	3/9/2017 10:27 AM
3	People use it to get to their work and also to get into Spillet House	3/3/2017 10:49 AM
4	Our members visit our office	3/2/2017 10:10 AM
5	pushing a pram	2/16/2017 1:38 PM
6	to visit friends	2/6/2017 12:42 PM
7	Push scooters for my kids.	2/4/2017 6:18 AM
8	With pram	2/3/2017 10:30 AM
9	walking my dogs	2/3/2017 8:43 AM

Q6 The Draft Footpath and Shared Path Policy Objective is: Council seeks to maintain and provide a network of footpaths and shared paths for the community that is safe, provides equal access, and is fit for purpose to encourage cycling and walking. Do you support the Policy Objective?

Answered: 63 Skipped: 1

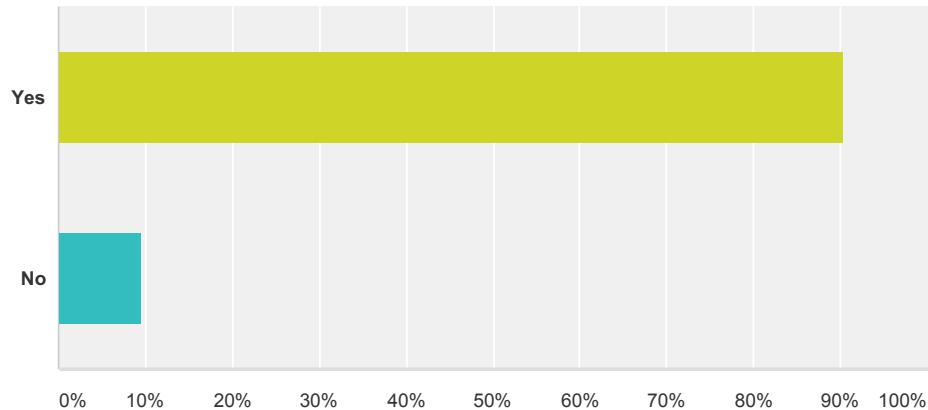


Answer Choices	Responses
Yes	95.24% 60
No	4.76% 3
Total	63

#	Comment	Date
1	Shaing paths with pedestrians and bicycles is not good for either group.	3/10/2017 11:54 AM
2	I do have concerns about cyclist going too fast as previously had my dog run over by a cyclist	3/9/2017 10:27 AM
3	Yes - but they should also be free of anti socialbehaviour - as is out the front on the footpath every dayoutside Spillett House - broken bottles and people defacting on the footpath	3/3/2017 10:49 AM
4	Whilst predominately the needs of people with disAbilities are the same as other pedestrians, there are some common issues for scooters, wheelchairs etc (that can be shared by people with prams) that should be explored. Especially as suspect we will continue to experience a growth in scooters, motorised wheel chairs.	3/2/2017 10:10 AM
5	Additional : The Policy Objective should encompass more details.	2/18/2017 11:41 AM
6	We need much more wider paths . Most are single lane & not fit for both cyclist & walkers!	2/10/2017 11:56 AM
7	shared bike paths are not the only paths I must ride to get to my destination, The footpaths	2/9/2017 2:55 PM
8	'Cycling and walking' is too limited a description, used for wheeled movement including skate boards, wheel chairs etc	2/6/2017 12:42 PM
9	Great aim - safe and encourage exercise.	2/4/2017 6:18 AM
10	It engages with the public health approach of increasing exercise to reduce obesity and increase mental health and resilience as well as increasing good neighborhood behaviours	2/3/2017 11:01 AM
11	how often are paths reviewed ones near my house are uneven and sticking up. will they be monitored?	2/3/2017 8:43 AM

Q7 The new Footpath and Shared Path Policy commits to Council providing a connected footpath and shared path network by providing a minimum of one path per road across the municipality. Do you support this Policy statement?

Answered: 63 Skipped: 1



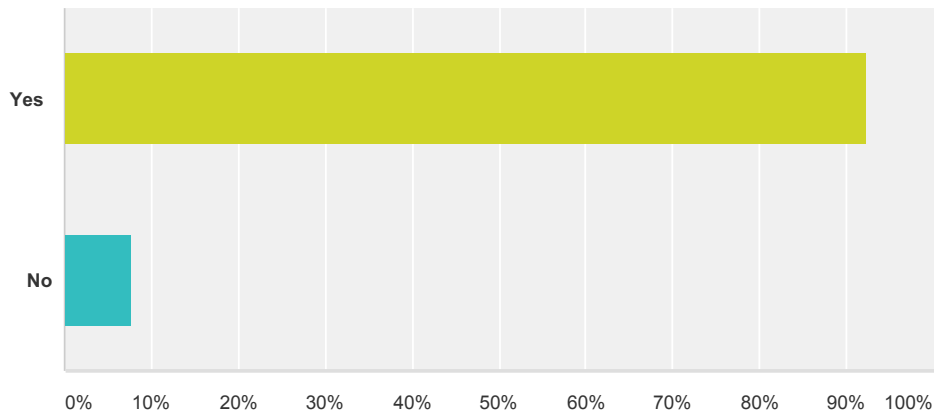
Answer Choices	Responses
Yes	90.48% 57
No	9.52% 6
Total	63

#	Comment	Date
1	I walk on the road when i go down streets without footpaths. I believe my risk of falling is greater on the verge than the road. They are often quiet with little traffic	3/10/2017 11:45 AM
2	Foothpaths should be on both the sides of the road	3/10/2017 10:31 AM
3	Bike paths should be seperate - especially for the disabled and elderly and all our senior territorians	3/3/2017 10:49 AM
4	Can I choose maybe? Need more shared paths, the paths around much of Nightcliff (particularly around schools) are thin. Near accidents between bikes, pedestrians, scooters are common, particularly around sharp corners. Sure could look at bike lanes on the roads as long as they have barracades, don't feel it is safe to let my kids ride on the roads. Even feel unsafe on the footpath on Tower Road with the way cars power down that road.	3/2/2017 10:10 AM
5	The Policy statement should be amended to indicate 'in consultation with the local community. If the residents don't want a footpath, dont force one on them. Not all quiet, local streets need a footpath, the road can be a shared space for all users.	2/28/2017 9:24 PM
6	Need a foot/bike path on the full length of amy johnson road that links to Stuart Highway and Tiger Brennan.	2/18/2017 6:12 PM
7	If there is a road (for motor vehicles) in an area, it is better to have a minimum of TWO paths per road, ie one foot path on each side of the road. This will alleviate the need for elderly residents and residents who may be sick and are walking somewhere to cross a road in order to access a foot path.	2/18/2017 11:41 AM
8	I live in Stuart park, there are some very quiet streets and culdersacs where a footpath would be impractical and ruin the appearance of a lot of front verges	2/16/2017 1:38 PM
9	How about some bike racks in cavenagh & Mitchell streets ????	2/10/2017 11:56 AM
10	Consideration must be given to wheelchair users that reside on the side of the street without a footpath. Provisions must be in palce for safe road crossings, and gradients for accessing footplath from road.	2/7/2017 2:16 PM

11	but some quite streets may choose not to have a concrete path if the road is safe for wheeled movement	2/6/2017 12:42 PM
12	Sounds good. Do other councils have that?	2/4/2017 6:18 AM
13	I like the legal capacity to ride bikes safely on footpaths, roads are so dangerous for cyclists	2/3/2017 11:01 AM
14	yes but if there is only one shouldnt it be of quality good enough for disabled access? many in Darwin are not.	2/3/2017 8:43 AM
15	Think it needs to be on both sides	2/2/2017 9:11 PM

Q8 The new Draft Policy also includes increasing the number of paths to two footpaths on sub arterial roads (ie Lee Point Road), primary collector roads (ie Dripstone Road), adjacent schools, bus routes and other areas of special need, with one path being a shared path. Do you support this policy statement?

Answered: 64 Skipped: 0

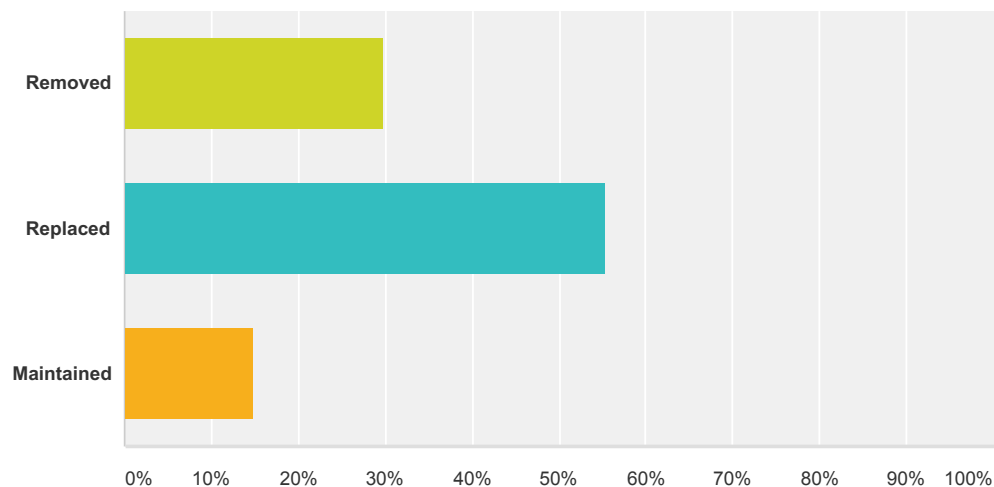


Answer Choices	Responses
Yes	92.19% 59
No	7.81% 5
Total	64

#	Comment	Date
1	Very needed!	3/9/2017 8:46 PM
2	Again - elderly and vision impaired people and our senior territorians are not mobile to move out of the way for cyclists	3/3/2017 10:49 AM
3	I don't believe every bus route requires dual footpaths, one shared path could be sufficient	2/23/2017 7:59 PM
4	There needs to be a foot path that can join from the end of muirhead/Lyons to the bottom of Casuarina Coastal Reserve, There is a fair amount of recreational traffic and the existing road is too dangerous to ride on due to a lack of speed restricting	2/18/2017 6:12 PM
5	In the interest of cost-savings, sub arterial roads, as in Lee Point Road, need not have two footpaths. The other roads and areas may be considered, and can be agreed upon.	2/18/2017 11:41 AM
6	No they should both be shared paths - this would demonstrate you are genuine about getting people to bicycle.	2/9/2017 2:55 PM
7	Yes I see a number of other cyclists and easier sharing with pedestrians would be good.	2/4/2017 6:18 AM

Q9 If you have an obsolete footpath on your street, would you prefer that it be:*An obsolete footpath is a footpath that has reached the end of its useful life, is no longer serviceable through standard maintenance and is not programmed for future replacement. A serviceable footpath will exist on the other side of the road. Obsolete footpaths in the Darwin municipality are often old bitumen paths that are significantly worn.

Answered: 47 Skipped: 17



Answer Choices	Responses
Removed	29.79% 14
Replaced	55.32% 26
Maintained	14.89% 7
Total	47

#	Comment	Date
1	An overall 'straightening up' of the McMin St path.	3/10/2017 12:28 PM
2	Not applicable	3/10/2017 11:54 AM
3	replace with gardens	3/9/2017 11:41 AM
4	It depends on the other footpath - some people incorporate the footpath into their front laws - so their is no footpath on either side of the road - if one footpath is OK - then I wuld say remove the old one	3/3/2017 10:49 AM
5	Makes it safer if we provide as many options for pedestrian, cycling traffic. It has an overall positive effect if we only use the car when we have/need to. Less congestion, less parking hassels, safer for people not in cars. People who don't have a car are less isolated and can participate in the community on easily.	3/2/2017 10:10 AM
6	Case by case with input from residents in effected areas	2/21/2017 9:21 PM

Draft Footpaths and Shared Paths Policy

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7	Get rid of it and replace it with visually aesthetic vegetation and plants. This will add far greater value than ugly paths	2/18/2017 6:12 PM
8	Truscott street and also Cahill streets need replacing both sides of these streets.	2/18/2017 2:58 PM
9	I have personally observed elderly residents living along my street and they would be walking somewhere regularly. Hence, in the interest of safety, it is preferred to REPLACE the obsolete footpaths, and have one footpath on each side of the road. I am on Musgrave Crescent.	2/18/2017 11:41 AM
10	Remove the damaged path as long as there is a path on the opposite side of the street	2/12/2017 4:23 PM
11	In parts the footpath is raised due to tree roots& movement. "Danger hats" have been on the sections for over a year now. The path is very narrow & safer to walk on the road.	2/10/2017 11:56 AM
12	No - no footpath is obsolete....bicycling through someone's extended garden is hazardous.	2/9/2017 2:55 PM
13	Bathurst Street Leanyer footpath needs urgent attention, as there are light poles installed IN the footpath, meaning kids on bikes or parents with prams have to wheel around light poles onto the road as there are always cars parked on the nature strips. Please fix urgently!!!! This has been reported many times to local council members as well as Nicole Manison. Just fix the footpath!! Its used everyday by LOTS of people, adults, children walking or cycling to Lee Point to catch the bus or to school and its a heavily used road for cars looking for quick access to Lee Point road. Its only a matter of time before a car hits someone who has had to walk on the street around these light poles as there isn't enough concrete for them!!	2/3/2017 7:49 PM
14	If it's already there do some upkeep and get people up and out	2/3/2017 11:01 AM
15	how many paths are obsolete and are the community informed early enough that it is becoming obsolete?	2/3/2017 8:43 AM

Q10 Do you have any other feedback on the Draft Footpath and Shared Path Policy?

Answered: 38 Skipped: 26

#	Responses	Date
1	The footpaths are almost always too thin, for a couple, or a pram, or a bike.	3/10/2017 3:40 PM
2	Please provide a footpath along Bishop Street - from Snell Street intersection to the Operations Centre. This road is a busy road and can be dangerous whilst trying to ride or walk to work.	3/10/2017 1:21 PM
3	Please separate pedestrians and cyclists for the benefit of both groups	3/10/2017 11:54 AM
4	I often walk after dark or before dawn. To assist with fall avoidance I walk on the road not footpath as the footpath is frequently so poorly lit and the road is well lit	3/10/2017 11:45 AM
5	Ease survey your footpaths, some areas do not seem to be covered eg. Cashman St.	3/10/2017 11:18 AM
6	Footpath on Hudson Fysh Avenue, need maintenance	3/10/2017 10:31 AM
7	Make them wider and perhaps maintain the ones you already have a bit better	3/10/2017 9:34 AM
8	Need to create paths that are away enough from houses so their garden doesn't obstruct the walkway	3/9/2017 8:46 PM
9	I support centre lines on paths where they are wide enough to reduce conflict. Directional arrows and signs about shared paths, dogs on leads (Walk them on your left) etc. Where a path runs out on one side of the road, a clear crossing to next path would help. Paths and crossings in the CBD to allow continuous foot/bike traffic would help reinvigorate the space.	3/9/2017 5:29 PM
10	Make them as wide as possible, lane markings and 'keep left' signage, make them as shady as possible	3/9/2017 3:10 PM
11	Please make paths consistent and smooth. For roller skating, loose gravel, bumps, concrete creases etc are a huge hindrance.	3/9/2017 11:41 AM
12	please be mindful that cyclists on footpaths can be dangerous	3/9/2017 10:27 AM
13	The policy as such is ok, but the quality of footpaths in the northern suburbs is generally appalling. It is barely possible to walk along one let alone ride a bike. Overgrown vegetation, uneven, too narrow - people cannot walk side by side, A walkable city does not mean just the cbd it should apply to the whole of the municipality. Footpaths have been seriously neglected in favor of "vibrant" projects. Time to change.	3/4/2017 4:58 PM
14	make footpaths wide enough for a wheelchair/scooter or double pram to pass safely	3/2/2017 10:49 AM

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Draft Footpaths and Shared Paths Policy

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15	Issues raised by IdA members include; the state of verges, often covered in vegetation. Residents should be responsible for ensuring they maintain the access. Further to this is the issue of vehicles parking across driveways that force people dangerously onto the road and into oncoming traffic. Often people on scooters are blocked completely because the gutter means they have no ramp to get down onto the road. IdA members have raised that residents should be notified by Council why not to do this and the consequences. Further on-going issue is dogs on the fence line, it is not enough to put up a 'dangerous dog' sign, information/incentives for residents to bring dogs back from the fence line.	3/2/2017 10:10 AM
16	Suggest the policy includes consultation with the community regarding priorities. Exhibit a list of proposed upgrades annually for community comment.	2/28/2017 9:24 PM
17	I believe a shared riding/walking path is highly desirable, I do not believe in the shared vehicle/foot/cycling efforts attempted thus far. I am a cyclist myself and I believe for the safety of all road users that Cyclist be kept off the road and made to ride on the available cycle/shared paths for their own safety. Need a foot/bike path on the full length of Amy Johnson Road that links to Stuart Highway and Tiger Brennan.	2/18/2017 6:12 PM
18	Sometimes, there are some footpaths and shared paths that have been obstructed. It is good that enforcement of the good accessibility and availability of this Footpath and Shared Paths be enforced, and hence, such enforceability methods be included into the Policy.	2/18/2017 11:41 AM
19	Connections of the paths is key to having a usable network of shared paths. There are multiple instances of bikes and pedestrians having to cross backwards and forwards across roads.	2/17/2017 11:28 AM
20	we really need a footpath on Dinah beach road, duke street end	2/16/2017 1:38 PM
21	The Shared Path Policy is a uniquely Territorian policy, with minimal conflict between Shared Path users. It is a policy that should be retained.	2/14/2017 11:16 AM
22	Be mindful of flow across intersections. Often this is dangerous when the entry and exits don't match up and cause the user to zigzag to cross the intersection. Be mindful of hand rail positions. Often these are dangerous for cyclists transitioning from road to path. Perfect example is the hand rail on the Crocadylus side of the round about at Vanderlin Drive and McMillans Rd. Barrier rails should follow the curve of the path to avoid the risk of catching handlebars on protruding barrier rails. McMillans Rd path, Knuckey Lagoon is a great example. A cycle/shared path inbound on Bagot Rd would be useful and safer.	2/13/2017 9:14 AM
23	if a park is small I don't believe a footpath is needed through the park e.g. Bill Bell Park or Sunset park. These parks are adequately serviced by existing paths.. For large parks	2/12/2017 4:23 PM
24	Heavy track paths should have a separate cycle-only track built.	2/10/2017 9:44 PM
25	A wide foot/cyclist path is needed along Francis Bay Road between Gonzales St & Dinah Road. We don't have a path and People have to walk on the road	2/10/2017 11:56 AM
26	Please indicate on all footpaths, shared or otherwise, that you walk on the left side of the footpath so there is no excuse for passing discourtesy. Please also make the footpaths wider than the bare minimum so that they can be used by bicyclist & walkers safely. ie rut or drop between the edge of the path & the turf/verge is hazardous to bicycle riders so they are reluctant to drop off the path when passing those on foot thus putting everyone in danger. Nor are some of the footpaths wide enough to pass new age paramulators or couples walking together & not prepared to Indian file pass another walker hence they elbow & barge passed as though it is their right to walk beside their partner. I know respect is not something you should have to teach people but you can assist if not by widening the paths then a cheap solution is indicating the rules as you do the markings on the shared paths. Walkers do not want bikes on paths and Cars do not want bikes on roads. You the Council and the Government want bicycles and walking to be used by more of us. So get real and make some real changes. Currently what you supply just makes everyone unhealthily angry.	2/9/2017 2:55 PM
27	Consider the needs of residents that use mobility devices and how they can safely access footpaths, especially when on the opposite side of the road.	2/7/2017 2:16 PM
28	path should be constructed nearer the road than the fence line to make it safer to avoid cars backing out of drives, particularly where there is no visibility into the yard. Some shared paths are very dangerous and leave Council liable should an accident occur.	2/6/2017 12:42 PM
29	It would be great if gardens near footpaths can be maintained eg Packard Street, Larakeyah. My kids say they don't like riding through the jungle! This footpath also requires repair.	2/4/2017 9:24 PM
30	Safety is an aim. The biggest danger is footpaths right beside front fences so there's no visibility for backing cars. A law suite waiting to happen. If it hasn't. Unique to Darwin.	2/4/2017 6:18 AM

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Draft Footpaths and Shared Paths Policy

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31	Bathurst Street Leanyer footpath needs urgent attention, as there are light poles installed IN the footpath, meaning kids on bikes or parents with prams have to wheel around light poles onto the road as there are always cars parked on the nature strips. Please fix urgently!!!! This has been reported many times to local council members as well as Nicole Manison. Just fix the footpath!! Its used everyday by LOTS of people, adults, children walking or cycling to Lee Point to catch the bus or to school and its a heavily used road for cars looking for quick access to Lee Point road. Its only a matter of time before a car hits someone who has had to walk on the street around these light poles as there isn't enough concrete for them!!	2/3/2017 7:49 PM
32	Not only does the footpaths need to be maintained (the tree roots play havoc with the surface) but the grass and trees need to be trimmed so it's possible to pass safely without risk of snakes or getting hit in the face by low branches	2/3/2017 11:01 AM
33	More footpaths on both sides of the road that are well lit	2/3/2017 9:48 AM
34	Trees should also be considered and planted at the time of works/maintenance	2/3/2017 9:39 AM
35	The footpaths on Mitchell Street and Daly SStreet are very narrow and do not allow people to comfortably pass each other (especially near the Michell/Daly carpark	2/3/2017 9:28 AM
36	As a cyclist shared paths should be marked with centre lines. The existence of a centre line changes pedestrian behaviour considerably for better bike predestrian interactions	2/3/2017 9:07 AM
37	what is the level of maintenance required of footpaths? my neighbours have so much vegetation overgrowing the path it is not accessible.	2/3/2017 8:43 AM
38	Yes the paths need to be cleaned I do mine every year but more needs to be done	2/2/2017 9:11 PM

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OPEN SECTION

E&I05/9

Environment & Infrastructure Committee Meeting – Tuesday, 23 May 2017

10.2 OFFICERS REPORTS (RECEIVE & NOTE)

**ENCL: ENVIRONMENT & INFRASTRUCTURE
YES COMMITTEE/OPEN**

AGENDA ITEM: 10.2.1

QUARTER 2 AND QUARTER 3 QUARTERLY PERFORMANCE REPORT

REPORT No.: 17TC0026 VG:ph COMMON No.: 1230662

DATE: 23/05/2017

Presenter: Manager Strategy & Outcomes, Vanessa Green

Approved: General Manager Infrastructure, Luccio Cercarelli

PURPOSE

The purpose of this report is to provide the Council with the 2nd and 3rd Quarter Performance Reports 2016/17 relating to Council's Environment and Infrastructure programs.

LINK TO STRATEGIC PLAN

The issues addressed in this Report are in accordance with the following Goals/Strategies as outlined in the 'Evolving Darwin Towards 2020 Strategic Plan':-

Goal

5 Effective and Responsible Governance

Outcome

5.3 Good governance

Key Strategies

5.3.3 Understand and manage Council's risk exposure

KEY ISSUES

- Performance in this report is measured in progress towards achieving Council's Strategic Plan and 2016/17 Municipal Plan.
- The performance of environment and infrastructure programs are tracking positively, as expected for the 2nd and 3rd quarters.
- Financial performance is as per the 2nd and 3rd Quarter Budget Reviews and included as part of the report at **Attachments A & B**. Financial performance has already been presented and endorsed by Council.
- Action performance for quarter 2 (October – December 2016) and quarter 3 (January – March 2017) will generally be reported as 50% and 75% complete respectively, unless there is exception.
- Key performance indicators (KPI's) are reported on as they fall due. For example, some annual KPI's are not reported until they are due at the end of the financial year (quarter 4).

PAGE: 2
 REPORT NUMBER: 17TC0026 VG:ph
 SUBJECT: QUARTER 2 AND QUARTER 3 QUARTERLY PERFORMANCE REPORT

RECOMMENDATIONS

THAT the Committee resolve under delegated authority:-

THAT Report Number 17TC0026 VG:ph entitled Quarter 2 and Quarter 3 Quarterly Performance Report, be received and noted.

BACKGROUND

In accordance with the Local Government Act, Council prepares a Municipal Plan and Annual Report each year.

The Municipal Plan outlines Council's service delivery plan which includes key actions, budgets, and key performance indicators.

Legislation requires that Council's Annual Report must contain an assessment of the Council's performance against the Municipal Plan including key actions, budgets and key performance indicators and subsequently provides a high level assessment of progress towards achieving the longer term Strategic Plan.

To support the Annual Report process, quarterly reports are presented for Council consideration. This is in line with best practice reporting for local governments in other states.

The Environment & Infrastructure Committee has oversight of the following Municipal Plan Program Profiles:

- Asset Management
- Development
- Building Services
- Capital Works
- Civil Infrastructure
- Climate Change & Environment
- Design
- Fleet Services
- Parks and Reserves
- Planning
- Waste Management
- Operations Administration
- Office of the General Manager Infrastructure

As of Quarter 3, the Environment and Infrastructure Committee also has responsibility for Fleet Services. Further changes will occur in line with organisational structure changes in Quarter 4 and into the next financial year.

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 REPORT NUMBER: 17TC0026 VG:ph
 SUBJECT: QUARTER 2 AND QUARTER 3 QUARTERLY PERFORMANCE REPORT

PREVIOUS DECISION

DECISION NO.21\4848 (20/09/16)

Strategic Reporting

Report No. 16TC0059 VG:ph (20/09/16) Common No. 1230662

THAT the Committee resolve under delegated authority:-

- A. THAT Report Number 16TC0057 VG:ph entitled Strategic Reporting, be received and noted.*
- B. THAT the Committee note the revised quarterly report format is effective for the 2016/17 Municipal Plan reporting.*

DISCUSSION

Performance Reports provide an assessment of performance against actions and KPI's for each Program Profile.

Performance of the environment and infrastructure areas is tracking positively as expected for quarters 2 and 3. 2nd and 3rd Quarter Performance Reports are provided at **Attachments A & B**.

Financial Performance

Council maintains a rigorous financial performance and reporting process, which includes monthly financial reports and quarterly budget reviews. It is relevant to consider the quarterly budget review data in line with the quarterly performance reports, as they closely align to the program profile structure in the Municipal Plan.

To ensure data integrity is maintained, these reports have not been reproduced. Departmental data has been included with the reports at **Attachments A & B**, for reference in conjunction with commentary outlined in the quarterly performance report.

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REPORT NUMBER: 17TC0026 VG:ph
SUBJECT: QUARTER 2 AND QUARTER 3 QUARTERLY PERFORMANCE REPORT

Action Performance

Action performance for quarter 2 (October 2016 to December 2016) and quarter 3 (January 2017 to March 2017) will generally be reported as 50% and 75% complete unless there is an exception. This is on the basis that we are delivering 100% of the program throughout the course of the year.

Actions represent the key functions and outputs delivered by each service program.

There are no areas of major concern at the end of Quarter 3.

- The Capital Works Program is on track. Financial performance reported against the actions in the performance report include committed transactions.
- A Stormwater study for the whole of the suburb of Nightcliff has commenced, however there was a delay in the assessment of the submissions for this project. The project is expected to be complete 30 June 2017.
- The status of Darwin City Centre Master Plan projects has been considered by Council with some projects referred to future years for delivery.
- Darwin Bike Plan projects are slightly behind schedule but remain on track for the remainder of the year. The largest project, being the East Point shared path rejuvenation, is on track for completion 30 June 2017.
- Automatic irrigation is being implemented across Council parks, noting that by 30 June 2017 all irrigation systems in parks will be automatic.
- The Assets section are preparing to take over street lighting in January 2018.

KPI Performance

Key performance indicators will be reported on as required and dependent on whether they are a quarterly or annual KPI. For example, community satisfaction is reported annually as opposed to each quarter. However, once an annual KPI falls due it will be displayed in each quarterly report thereafter.

The majority of KPI results continue to be within an acceptable range.

For noting:

- There has been a reduction in the number of development applications being received by Council. This is providing opportunity for staff to redirect efforts to matters of a more strategic nature.
- Annual KPI's not already reported will be included in the 4th quarter report.

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REPORT NUMBER: 17TC0026 VG:ph
SUBJECT: QUARTER 2 AND QUARTER 3 QUARTERLY PERFORMANCE REPORT

CONSULTATION PROCESS

In preparing this report, the following City of Darwin officers were consulted and provided input:

- Manager Technical Services
- Manager Design, Planning and Projects
- Manager Capital Works
- Manager Infrastructure Maintenance

POLICY IMPLICATIONS

There are no direct policy implications as a result of this report and decision.

BUDGET AND RESOURCE IMPLICATIONS

There are no direct budget or resource implications as a result of this report. If any budget variances are identified throughout the year they will be dealt with via normal Financial Management procedures.

Work is progressing to integrate Council's budget and actual results into the quarterly reports on an ongoing basis.

RISK/LEGAL/LEGISLATIVE IMPLICATIONS

This report and decision supports implementing the overall intent of the Local Government Act for local government strategic and municipal planning and performance management.

Ongoing benefits also include more robust and accountable reporting in the Annual Report and more informed performance guiding the development of future Strategic and Municipal Plans.

ENVIRONMENTAL IMPLICATIONS

There are no direct environmental implications as a result of this report and decision.

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REPORT NUMBER: 17TC0026 VG:ph
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COUNCIL OFFICER CONFLICT OF INTEREST DECLARATION

We the Author and Approving Officers declare that we do not have a Conflict of Interest in relation to this matter.

VANESSA GREEN
MANAGER STRATEGY &
OUTCOMES

LUCCIO CERCARELLI
GENERAL MANAGER
INFRASTRUCTURE

For enquiries, please contact Vanessa Green on 8930 0531 or email:
v.green@darwin.nt.gov.au.

Attachments:

Attachment A – 2nd Quarter – Quarterly Performance Report
Attachment B – 3rd Quarter – Quarterly Performance Report

2nd QUARTER

2016/17



City of Darwin
Infrastructure Services Performance Report

Jul 16 - Dec 16

Costs of Services for the period ended 31 December 2016	Full Original Budget \$'000	Full Amended Budget \$'000	Recommended Variations \$'000	Projected Result \$'000	YTD Actual \$'000	YTD v FAB %	Notes
% of year elapsed						50%	

Infrastructure	Attachment B-4						
Income							
Building Services	1	1	-	1	-	0%	
Design, Planning & Projects	-	-	3	3	3	100%	
Parks & Reserves	192	192	-	192	120	63%	
Roads Maintenance	1,778	1,752	-	1,752	876	50%	
Development	486	486	-	486	138	28%	
Waste Management	20,148	20,148	-	20,148	13,727	68%	
Total income	22,604	22,579	3	22,582	14,865	66%	
Expense							
General Manager Infrastructure	592	592	-75	517	325	63%	1
Asset Management	437	492	-	492	192	39%	
Design, Planning & Projects	1,826	2,161	63	2,224	1,050	47%	2
Operations	875	875	-	875	473	54%	
Building Services	4,235	4,235	-	4,235	1,982	47%	
Mosquito Control	137	137	-	137	31	22%	
Parks & Reserves	15,476	15,645	-	15,645	8,307	53%	
Pathways	919	919	-	919	917	100%	
Roads Maintenance	6,595	6,569	100	6,669	2,530	38%	3
Stormwater Drainage	639	639	-	639	259	41%	
Street Cleaning	3,263	3,263	-	3,263	1,370	42%	
Development	453	453	-	453	162	36%	

Costs of Services

for the period ended 31 December 2016

	Full Original Budget \$'000	Full Amended Budget \$'000	Recommended Variations \$'000	Projected Result \$'000	YTD Actual \$'000	YTD v FAB %	Notes
% of year elapsed						50%	
Waste Management	16,323	16,323	-	16,323	8,170	50%	
Total expense	51,770	52,303	88	52,391	25,769	49%	
Net surplus (-cost)	-29,166	-29,724	-85	-29,809	-10,904	37%	

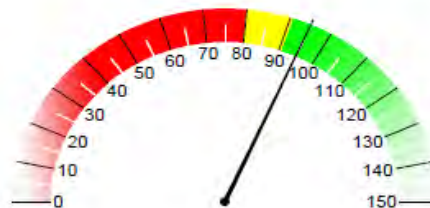
Notes on recommended variations:

1. Transfer Records Information Officer from Infrastructure department to Records function; no variation to overall COD budgets.
2. Nightcliff and Progress Drv grant funds (\$60k) transferred out of Unspent Grants reserve.
3. Street lighting transition project, transfer funds from Street Lighting reserve.

Note: function transfer actuals will be transferred in January in line with budget transfers.

KPI Status

	>90% on track or better
	<90% and >70% marginal variance
	<70% off track or requires attention

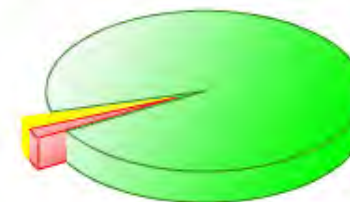
Infrastructure Services
Performance

6	KPIs reported on
6	KPIs with at least 90% of target
0	KPIs between 70 and 90% of target
0	KPIs with less than 70% of target
0	KPIs with no targets set

Action Status

88

Off Track	2.04%
Monitor	2.04%
On Track	95.92%
No Target Set	0.00%
Total:	100.00%



KPI

KPI

Unit

Target

Actual

Annual capital expenditure within approved budget

%

50.00

73.00



Latest Comment

The City of Darwin's 2016/17 Capital Works Budget was \$41.5M. In addition, carry forwards from 2015/16 totalled \$15.9M, a revised budget of \$57.4M

As at 31 December 2016 (Quarter 2), City of Darwin has committed or completed projects to the value of \$30.2M, which represents 73% of the City of Darwin's total Capital Works Budget.

Of the total Council Capital Works Budget, \$20.9M is directly managed and delivered by the Infrastructure Department. In addition, carry forwards from 2015/16 totalled \$12.0M, a revised budget of \$32.9M

As at 31 December 2016 (Quarter 2), Infrastructure Services have committed or completed projects to the value of \$15.4M, which represents 74% of the revised Infrastructure Services Capital Works Budget.

To date actual spend equates to 50% of the revised Infrastructure Services budget and 27% of the total revised Capital Works Budget.

There is a lag period between the work being undertaken and the contractors invoices being received and the timing of this report.

Annual Infrastructure Services departmental expenditure within approved budget

%





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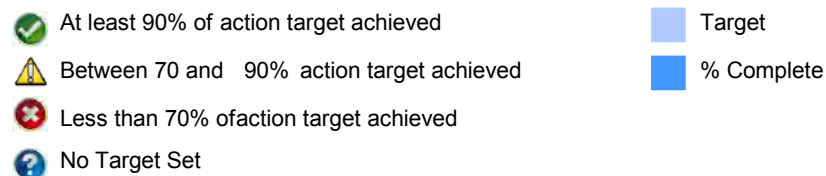


Latest Comment

Year to date expenditure (excluding capital) versus budget.

City of Darwin		Infrastructure Services Performance Report (Jul 16 - Dec 16)			
KPI		Unit	Target	Actual	
Number of development applications received		#	125.00	134.00	89  GREEN
Latest Comment <i>No comments entered for this KPI</i>					
Percentage of abusive or offensive graffiti removed within 24 hours		%	100.00	100.00	 GREEN
Latest Comment <i>All reported graffiti has been removed in accordance with service levels.</i>					
Percentage of annual design program completed		%	50.00	50.00	 GREEN
Latest Comment <i>In progress</i>					
Works permits processed within 10 working days		%	100.00	100.00	 GREEN
Latest Comment <i>100% of works permits were processed within 10 working days.</i>					

Action Summary



Action	Start Date	End Date								
1.4.2.1 Review and comment on all Northern Territory Development Consent Authority matters, in keeping with statutory and strategic requirements and community needs	01/07/2016	30/06/2017	<div><div></div></div>	0%	20%	40%	60%	80%	100%	
1.4.2.2 Participate in working groups with the Northern Territory Government to implement strategic planning initiatives	01/07/2016	30/06/2017	<div><div></div></div>	0%	20%	40%	60%	80%	100%	
1.4.2.3 Undertake land use planning to develop strategic plans and policy to influence the Northern Territory Governments Land Use Plans and Northern Territory Planning Scheme	01/07/2016	30/06/2017	<div><div></div></div>	0%	20%	40%	60%	80%	100%	
1.4.2.4 Develop high level planning strategies	01/07/2016	30/06/2017	<div><div></div></div>	0%	20%	40%	60%	80%	100%	
1.4.2.5 Develop and manage Developer Contribution Plans for infrastructure upgrading works such as road works, stormwater drainage and social infrastructure	01/07/2016	30/06/2017	<div><div></div></div>	0%	20%	40%	60%	80%	100%	
2.1.1.1 Construct, reconstruct and maintain footpaths, driveways, walkways and shared paths	01/07/2016	30/06/2017	<div><div></div></div>	0%	20%	40%	60%	80%	100%	
2.1.1.3 Undertake public place cleaning including path, street sweeping and litter collection services to maintain public amenities	01/07/2016	30/06/2017	<div><div></div></div>	0%	20%	40%	60%	80%	100%	
2.1.3.1 Manage and maintain Council's road network	01/07/2016	30/06/2017	<div><div></div></div>	0%	20%	40%	60%	80%	100%	
2.1.3.2 Manage and maintain line marking and signage to all roads	01/07/2016	30/06/2017	<div><div></div></div>	0%	20%	40%	60%	80%	100%	
2.1.3.3 Undertake mosquito control spraying in stormwater drainage infrastructure in the municipality as required	01/07/2016	30/06/2017	<div><div></div></div>	0%	20%	40%	60%	80%	100%	
2.1.3.4 Manage and maintain Council's stormwater drainage infrastructure and network	01/07/2016	30/06/2017	<div><div></div></div>	0%	20%	40%	60%	80%	100%	
2.1.3.5 Undertake design for Council's annual capital works program including roads, pavements and stormwater design	01/07/2016	30/06/2017	<div><div></div></div>	0%	20%	40%	60%	80%	100%	
2.1.3.6 Coordinate design for Council's Roads to Recovery and Blackspot federal funding programs	01/07/2016	30/06/2017	<div><div></div></div>	0%	20%	40%	60%	80%	100%	
2.1.3.7 Undertake traffic management investigations and formulate responses	01/07/2016	30/06/2017	<div><div></div></div>	0%	20%	40%	60%	80%	100%	
2.1.3.9 Conduct urban traffic analysis and design of traffic management schemes	01/07/2016	30/06/2017	<div><div></div></div>	0%	20%	40%	60%	80%	100%	

2.1.3.10 Provide documentation for the technical aspects of construction	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	91
2.1.3.11 Undertake stormwater drainage studies and identify future upgrading works required	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✗</div>	
2.2.1.8 Implement projects from the Darwin City Centre Master Plan.	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
2.2.1.9 Implement Darwin Bike Plan Actions	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
2.2.3.1 Develop and maintain Developer Contribution Plans in accordance with the NT Planning Act	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
2.2.3.2 Develop and maintain and implement subdivision, redevelopment and minor development guidelines, standards, policies and procedures	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
2.2.3.3 Investigate and provide technical advice on private and public civil works within Council property	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
2.2.3.3 Maintain Council's parks, reserves, foreshores and sporting fields	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
2.2.3.4 Certify Final Approval Certificate and Northern Territory Planning Authority permit conditions	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
2.2.3.4 Manage and maintain cemeteries including the installation of memorials and headstones and conduct interments	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
2.2.3.5 Maintain irrigation systems and deliver sustainable irrigation practices for Council's open spaces	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
2.2.3.7 Work with government, other organisations and community members to plant and maintain trees in urban forests	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
2.2.3.8 Manage and deliver building maintenance services for Council's building assets	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
2.2.3.9 Develop and annually review Council's capital works program and budget	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
2.2.3.9 Maintain compliance with all Building Regulations for Council owned buildings	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
2.2.3.10 Conduct Council's building inspection program	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
2.2.3.10 Manage the delivery of Council's annual capital works program	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
2.2.3.11 Oversee, supervise and provide project management services and advice across Council for all capital works projects	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
2.2.3.12 Manage the removal of Graffiti from Council owned buildings and provide Graffiti removal services to the Northern Territory Government in accordance with the Service Level Agreement	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
3.2.2.1 Plan for and manage effective and efficient waste collection and recycling services striving towards waste minimisation and avoidance, and maximising resource recovery	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
3.2.2.2 Develop and deliver education programs to the community and schools regarding waste minimisation and recycling	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	

3.2.2.3 Manage the Shoal Bay Waste Management Facility	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	92
3.2.2.4 Plan effectively for Council's long term waste and recycling services	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
5.3.2.1 Provide strategic and operational leadership to the Infrastructure Services Department	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
5.3.2.1 Manage and provide administration for the City of Darwin Operations Centre	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
5.3.2.2 Attend Council and Committee Meeting to provide advice on matters relating to Infrastructure Services	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
5.3.2.2 Coordinate Council's Emergency Response Plan including the Cyclone Plan	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
5.3.2.3 Maintain business continuity plans to ensure Council's resilience to business interruption and disaster events	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
5.3.2.3 Lead implementation of Council plans, policy and decisions which involve infrastructure services	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
5.3.2.4 Actively participate in the Executive Leadership Team to monitor and resolve organisation-wide issues and represent matters relating to Infrastructure Services	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
5.5.1.1 Develop and implement a Corporate Asset Management Strategy and asset management plans for defined asset classes: Roads, Pathways, Stormwater, Parks and Buildings	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
5.5.1.2 Develop, implement and maintain a corporate asset register	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
5.5.1.3 Develop and manage the implementation of Council's annual renewal and replacement program	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
5.5.1.4 Undertake cyclic condition assessments, collection and maintenance of asset information, predictive modelling and forward works planning for City of Darwin assets	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	


Action Details

93


Infrastructure Services


Design, Planning and Projects

STRATEGY: 2.2.1 Develop a vibrant and active central business district

Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.2.1.8 Implement projects from the Darwin City Centre Master Plan.	Nik Kleine - Team Leader - Capital Works	In Progress	01/07/2016	30/06/2017	50%	50%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Capital Works							
Linked Related Plan(s):							
Linked Action Filter(s):							
Action Progress Comments							
16/17 Master Plan Projects include:							
Bicentennial Park Play Space - Q2 UPDATE - tender awarded, construction scheduled to commence March 2017 with a view to be opened by the dry season.							
Cavenagh/Bennett Street Intersection Upgrade - \$1.0M grant funding received from the Northern Territory Government. Concept design is being finalised for community consultation in the third quarter.							
All other Master Plan projects have been put on hold and are under review. A report will be presented to Council in February 2017.							
Last Updated - 03/04/2017							

STRATEGY: 2.2.3 Improve the landscaping, streetscape, infrastructure and natural environment

Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.2.3.9 Develop and annually review Council's capital works program and budget	Nik Kleine - Team Leader - Capital Works	In Progress	01/07/2016	30/06/2017	50%	50%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Capital Works							
Linked Related Plan(s):							
Linked Action Filter(s):							
Action Progress Comments							
Council's 2016/17 capital works plan was endorsed as part of the annual budget process.							
The 2017/18 Capital Works Program will be developed as part of the 2017/18 budget development process and will take into consideration the Council's Long Term Capital Works Plan and Long Term Financial Plan.							
The current years capital works program and financial status is reviewed and updated on a monthly basis.							
Last Updated - 02/02/2017							

Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.2.3.10 Manage the delivery of Council's annual capital works program	Nik Kleine - Team Leader - Capital Works	In Progress	01/07/2016	30/06/2017	53%	50%	 94 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Capital Works							

Linked Related Plan(s):

Linked Action Filter(s):

Action Progress Comments

Capital projects progressing as planned

Parap Pool Redevelopment (Total Construction Cost \$14.0M)

2016/17 Revised Budget - \$12.3M

Expended to date - \$1,126,252 (9%)

Committed to date - \$9,991,153 (0%)

Total expended and committed to date - \$ 11,117,000 representing 90% of the revised budget.

Tender awarded to Sunbuild with construction commencing 26 September 2016.

Darwin Entertainment Centre including Air conditioning project

2016/17 Revised Budget - \$4.7M

Expended to date - \$380,000 (8%)

Committed to date - \$184,000 (4%)

Total expended and committed to date - \$ 564,000 representing 12% of the revised budget.

Report on options for the air conditioning refurbishment presented to Council at its December Ordinary Meeting.

Playground Refurbishment (Shade and Playground upgrades)

2016/17 Revised Budget - \$1.4M

Expended to date - \$940,000 (67%)

Committed to date - \$313,000 (22%)

Total expended and committed to date - \$ 1,253,000 representing 89.5% of the revised budget.

Tenders have been awarded for the Shading Program and Playground Program as outlined on Councils website.

Velodrome

2016/17 Revised Budget - \$1.5M

Expended to date - \$0

Committed to date - \$0

Project brief developed for the project, procurement for professional services underway.

Pathways - 2016/17 Revised Budget - \$801,000

Expended to date - \$525,000 (65.5%)

Committed to date - \$15,000 (2%)

Total expended and committed to date - \$ 541,000 representing 67.5% of the revised budget.

Footpath construction on track with 12 projects completed.

Road Resurfacing -
 2016/17 Revised Budget - \$1.58M
 Expended to date - \$458,000 (29%)
 Committed to date - \$974,000 (62%)
 Total expended and committed to date - \$ 1,433,000 representing 90% of the revised budget.


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Coastal Erosion
 2016/17 Revised Budget - \$1.47M
 Expended to date - \$266,000 (18%)
 Committed to date - \$138,000 (9%)
 Total expended and committed to date - \$ 405,000 representing 27.5% of the revised budget.
 Tender advertised December 2016.
 Aboriginal Areas Protection Authority (AAPA) Certificate received.

Shoal Bay
 2016/17 Revised Budget - \$13.8M (\$9.8M 16/17 budget plus \$4.0M carry forward)
 Expended to date - \$4,740,000 (34%)
 Committed to date - \$2,321,000 (17%)
 Total expended and committed to date - \$7,062,000 representing 51% of the revised budget.
 Construction of new waste cell has commenced and tender for design of new leachate system is on schedule.

Storm water
 2016/17 Revised Budget - \$1,37M
 Expended to date - \$1,053,000 (77%)
 Committed to date - \$319,000 (23%)
 Total expended and committed to date - \$1,372,000 representing 100% of the revised budget.
 Bennison Road construction commenced September 2016, works on hold during wet season and will recommence April 2017.

Last Updated - 02/02/2017

Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.2.3.11 Oversee, supervise and provide project management services and advice across Council for all capital works projects	Nik Kleine - Team Leader - Capital Works	In Progress	01/07/2016	30/06/2017	50%	50%	 GREEN

Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance
Capital Works					




Linked Related Plan(s):
Linked Action Filter(s):

Action Progress Comments




Internal discussion are underway with regards to a reporting tool for project management.

Last Updated - 02/02/2017

STRATEGY: 2.1.3 Manage the road network to meet community needs

Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.1.3.6 Coordinate design for Council's Roads to Recovery and Blackspot federal funding programs	Drosso Lelekis - Manager Design, Planning & Projects	In Progress	01/07/2016	30/06/2017	45%	50%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Design							
Linked Related Plan(s):							
Linked Action Filter(s):							
Action Progress Comments							
Design of Dinah Beach Road upgrade project (R2R) progressing. Black Spot project has commenced.							
Last Updated - 09/01/2017							
Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.1.3.11 Undertake stormwater drainage studies and identify future upgrading works required	Drosso Lelekis - Manager Design, Planning & Projects	In Progress	01/07/2016	30/06/2017	30%	50%	 RED
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Design							
Linked Related Plan(s):							
Linked Action Filter(s):							
Action Progress Comments							
Works have commenced. Refer to Quarter 3 for further information and progress in relation to Stormwater projects.							
Last Updated - 09/01/2017							
Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.1.3.10 Provide documentation for the technical aspects of construction	Drosso Lelekis - Manager Design, Planning & Projects	In Progress	01/07/2016	30/06/2017	50%	50%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Design							
Linked Related Plan(s):							
Linked Action Filter(s):							
Action Progress Comments							
Design and tender documentation for capital works projects							
Last Updated - 09/01/2017							



Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.1.3.7 Undertake traffic management investigations and formulate responses	Drosso Lelekis - Manager Design, Planning & Projects	In Progress	01/07/2016	30/06/2017	50%	50%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Design							
Linked Related Plan(s): Linked Action Filter(s):							
Action Progress Comments Ongoing investigations on traffic management completed throughout the year as required. Q1 (July - September) - the number of road safety issues raised by the community and assessed (e.g pedestrian and road safety, on-street parking, speeding and disability access matters) was 40 and of these, 26 were resolved. Last Updated - 09/01/2017							
Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.1.3.9 Conduct urban traffic analysis and design of traffic management schemes	Drosso Lelekis - Manager Design, Planning & Projects	In Progress	01/07/2016	30/06/2017	50%	50%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Design							
Linked Related Plan(s): Linked Action Filter(s):							
Action Progress Comments Ongoing, as required. Last Updated - 09/01/2017							
Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.1.3.5 Undertake design for Council's annual capital works program including roads, pavements and stormwater design	Drosso Lelekis - Manager Design, Planning & Projects	In Progress	01/07/2016	30/06/2017	45%	50%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Design							
Linked Related Plan(s): Linked Action Filter(s):							
Action Progress Comments Report to Council on proposed 2016/17 Black Spot went to Council in November 2016. Lee Point Road traffic study project has commenced and Council resolved to abandon the Daly St/Woods St project and return the monies to the NTG. LATM program to be developed. Design of other capital projects is underway. Last Updated - 09/01/2017							

STRATEGY: 1.4.2 Play an active role in strategic and statutory planning processes




Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
1.4.2.2 Participate in working groups with the Northern Territory Government to implement strategic planning initiatives	Cindy Robson - Strategic Town Planner	In Progress	01/07/2016	30/06/2017	50%	50%	<div><div></div><div></div><div></div><div>GREEN</div></div>
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Planning							
Linked Related Plan(s): Linked Action Filter(s):							
Action Progress Comments The City of Darwin has continued to participate and comment on the preparation and exhibition of the Darwin Mid and Inner Suburbs Area Plans, which have been inserted into The Northern Territory Planning Scheme as Policy documents during this quarter. Last Updated - 22/03/2017							
Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
1.4.2.3 Undertake land use planning to develop strategic plans and policy to influence the Northern Territory Governments Land Use Plans and Northern Territory Planning Scheme	Cindy Robson - Strategic Town Planner	In Progress	01/07/2016	30/06/2017	50%	50%	<div><div></div><div></div><div></div><div>GREEN</div></div>
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Planning							
Linked Related Plan(s): Linked Action Filter(s):							
Action Progress Comments Continued preparation of reports to bi-monthly Town Planning Committee meetings, with the intention of addressing Strategic Planning matters of importance to Council. Last Updated - 22/03/2017							
Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
1.4.2.5 Develop and manage Developer Contribution Plans for infrastructure upgrading works such as road works, stormwater drainage and social infrastructure	Cindy Robson - Strategic Town Planner	In Progress	01/07/2016	30/06/2017	50%	50%	<div><div></div><div></div><div></div><div>GREEN</div></div>
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Planning							
Linked Related Plan(s): Linked Action Filter(s):							
Action Progress Comments The continued preparation of background studies to enable the development of infrastructure upgrade contribution plans in response to intensified development. Last Updated - 22/03/2017							


Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
1.4.2.4 Develop high level planning strategies	Cindy Robson - Strategic Town Planner	In Progress	01/07/2016	30/06/2017	50%	50%	<div><div></div><div></div><div></div></div> GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Planning							
Linked Related Plan(s): Linked Action Filter(s):							
Action Progress Comments Refer to 1.4.2.2 and 1.4.2.3 Last Updated - 22/03/2017							
Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
1.4.2.1 Review and comment on all Northern Territory Development Consent Authority matters, in keeping with statutory and strategic requirements and community needs	Cindy Robson - Strategic Town Planner	In Progress	01/07/2016	30/06/2017	50%	50%	<div><div></div><div></div><div></div></div> GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Planning							
Linked Related Plan(s): Linked Action Filter(s):							
Action Progress Comments Development Applications have been commented on, as referred to the City of Darwin by the Northern Territory Government. Last Updated - 22/03/2017							
STRATEGY: 2.2.1 Develop a vibrant and active central business district							
Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.2.1.9 Implement Darwin Bike Plan Actions	Drosso Lelekis - Manager Design, Planning & Projects	In Progress	01/07/2016	30/06/2017	50%	50%	<div><div></div><div></div><div></div></div> GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Planning							
Linked Related Plan(s): Linked Action Filter(s):							
Action Progress Comments Darwin Bike Plan Implementation being implemented. Last Updated - 09/01/2017							

Infrastructure Maintenance



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STRATEGY: 2.2.3 Improve the landscaping, streetscape, infrastructure and natural environment




Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.2.3.10 Conduct Council's building inspection program	Maxine Flanagan - Team Coordinator - Building Services	In Progress	01/07/2016	30/06/2017	50%	50%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Building Services							
Linked Related Plan(s):							
Linked Action Filter(s):							
Action Progress Comments							
Inspections carried out on Council's Child Care and Community Centre's, public amenities, Gardens, Malak and Bagot Oval, City of Darwin Depot, Swimming Pools (excluding Parap), Westlane and China Town Car Parks and in accordance with Asset Management Plans.							
Last Updated - 22/03/2017							
Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.2.3.9 Maintain compliance with all Building Regulations for Council owned buildings	Maxine Flanagan - Team Coordinator - Building Services	In Progress	01/07/2016	30/06/2017	50%	50%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Building Services							
Linked Related Plan(s):							
Linked Action Filter(s):							
Action Progress Comments							
Building compliance maintained. Monthly inspections as programmed.							
Last Updated - 22/03/2017							
Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.2.3.8 Manage and deliver building maintenance services for Council's building assets	Maxine Flanagan - Team Coordinator - Building Services	In Progress	01/07/2016	30/06/2017	50%	50%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Building Services							
Linked Related Plan(s):							
Linked Action Filter(s):							
Action Progress Comments							
Building maintenance ongoing in line with existing maintenance contracts.							
Last Updated - 22/03/2017							


Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.2.3.12 Manage the removal of Graffiti from Council owned buildings and provide Graffiti removal services to the Northern Territory Government in accordance with the Service Level Agreement	Maxine Flanagan - Team Coordinator - Building Services	In Progress	01/07/2016	30/06/2017	50%	50%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Building Services							
Linked Related Plan(s):							
Linked Action Filter(s):							
Action Progress Comments							
Council graffiti removal continued to achieve removal of offensive graffiti.							
Last Updated - 31/03/2017							

STRATEGY: 2.1.1 Improve the pathway and cycle networks and encourage cycling and walking



Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.1.1.1 Construct, reconstruct and maintain footpaths, driveways, walkways and shared paths	Hasan Karatas - Coordinator Civic Infrastructure	In Progress	01/07/2016	30/06/2017	50%	50%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Civil Works							
Linked Related Plan(s): Linked Action Filter(s):							
Action Progress Comments 200 linear meters of concrete footpaths have been repaired and replaced 40 SEP have been replaced/repaired 10driveways repaired/replaced 15linear meters of kerb and gutter has been repaired/replaced Last Updated - 31/03/2017							
Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.1.1.3 Undertake public place cleaning including path, street sweeping and litter collection services to maintain public amenities	Hasan Karatas - Coordinator Civic Infrastructure	In Progress	01/07/2016	30/06/2017	50%	50%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Civil Works							
Linked Related Plan(s): Linked Action Filter(s):							
Action Progress Comments Scheduled cleaning undertaken. Cleaning for which additional funding was allocated has commenced. CBD streets are being flushed once a week on an ongoing basis. High intensity cleaning continuing on a quarterly schedule. Last Updated - 31/03/2017							

STRATEGY: 2.1.3 Manage the road network to meet community needs

Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.1.3.1 Manage and maintain Council's road network	Hasan Karatas - Coordinator Civic Infrastructure	In Progress	01/07/2016	30/06/2017	50%	50%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Civil Works							
Linked Related Plan(s):							
Linked Action Filter(s):							
Action Progress Comments							
109 pot holes have been filled							
Last Updated - 31/03/2017							
Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.1.3.2 Manage and maintain line marking and signage to all roads	Hasan Karatas - Coordinator Civic Infrastructure	In Progress	01/07/2016	30/06/2017	50%	50%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Civil Works							
Linked Related Plan(s):							
Linked Action Filter(s):							
Action Progress Comments							
Approximately \$100,000 has been invested in line marking to date and 190 directional, information and regulatory signs have been repaired or replaced.							
Last Updated - 22/03/2017							
Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.1.3.4 Manage and maintain Council's stormwater drainage infrastructure and network	Hasan Karatas - Coordinator Civic Infrastructure	In Progress	01/07/2016	30/06/2017	50%	50%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Civil Works							
Linked Related Plan(s):							
Linked Action Filter(s):							
Action Progress Comments							
On track							
Last Updated - 22/03/2017							



Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.1.3.3 Undertake mosquito control spraying in stormwater drainage infrastructure in the municipality as required	Hasan Karatas - Coordinator Civic Infrastructure	In Progress	01/07/2016	30/06/2017	50%	50%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Civil Works							
Linked Related Plan(s):							
Linked Action Filter(s):							
Action Progress Comments							
Mosquito program has been followed as per schedule.							
Council staff continue to work with Northern Territory Government to reduce or remove mosquito breeding habitat.							
Last Updated - 31/03/2017							

STRATEGY: 5.3.2 Display contemporary leadership and management practices

Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
5.3.2.3 Maintain business continuity plans to ensure Council's resilience to business interruption and disaster events	Kerry Smith - Manager Infrastructure Maintenance	In Progress	01/07/2016	30/06/2017	50%	50%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Operations Administration							
Linked Related Plan(s):							
Linked Action Filter(s):							
Action Progress Comments							
Business continuity remains on track.							
Last Updated - 22/03/2017							
Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
5.3.2.2 Coordinate Council's Emergency Response Plan including the Cyclone Plan	Kerry Smith - Manager Infrastructure Maintenance	In Progress	01/07/2016	30/06/2017	50%	50%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Operations Administration							
Linked Related Plan(s):							
Linked Action Filter(s):							
Action Progress Comments							
Councils Emergency Response Plan has been updated in the first quarter. The annual emergency response scenario completed on 17-21 October 2016.							
Last Updated - 31/03/2017							

Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
5.3.2.1 Manage and provide administration for the City of Darwin Operations Centre	Kerry Smith - Manager Infrastructure Maintenance	In Progress	01/07/2016	30/06/2017	50%	50%	<div><div>100%</div><div><div></div><div></div><div></div></div><div>GREEN</div></div>
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Operations Administration							
Linked Related Plan(s):							
Linked Action Filter(s):							
Action Progress Comments							
Management of Operations Centre administration continues on track.							
Last Updated - 22/03/2017							

STRATEGY: 2.2.3 Improve the landscaping, streetscape, infrastructure and natural environment


Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.2.3.5 Maintain irrigation systems and deliver sustainable irrigation practices for Council's open spaces	Kerry Smith - Manager Infrastructure Maintenance	In Progress	01/07/2016	30/06/2017	50%	50%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Parks & Reserves							
Linked Related Plan(s): Linked Action Filter(s):							
Action Progress Comments Irrigation systems progressively shut down as wet season rain increased. Last Updated - 31/03/2017							
Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.2.3.3 Maintain Council's parks, reserves, foreshores and sporting fields	Kerry Smith - Manager Infrastructure Maintenance	In Progress	01/07/2016	30/06/2017	50%	50%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Parks & Reserves							
Linked Related Plan(s): Linked Action Filter(s):							
Action Progress Comments Maintenance program remains on schedule, however mowing program disrupted due to higher than normal rainfalls throughout the wet season. Last Updated - 31/03/2017							

Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.2.3.4 Manage and maintain cemeteries including the installation of memorials and headstones and conduct interments	Kerry Smith - Manager Infrastructure Maintenance	In Progress	01/07/2016	30/06/2017	50%	50%	<div><div>105</div><div><div></div><div></div><div></div></div><div>GREEN</div></div>
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Parks & Reserves							
Linked Related Plan(s): Linked Action Filter(s):							
Action Progress Comments Maintenance program on track with internments continuing in accordance with the Cemeteries Act. Last Updated - 31/03/2017							
Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.2.3.7 Work with government, other organisations and community members to plant and maintain trees in urban forests	Kerry Smith - Manager Infrastructure Maintenance	In Progress	01/07/2016	30/06/2017	50%	50%	<div><div>105</div><div><div></div><div></div><div></div></div><div>GREEN</div></div>
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Parks & Reserves							
Linked Related Plan(s): Linked Action Filter(s):							
Action Progress Comments Program is ongoing with the majority of tree planting to occur within the third quarter. Last Updated - 31/03/2017							

Office of GM Infrastructure

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STRATEGY: 5.3.2 Display contemporary leadership and management practices


Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
5.3.2.2 Attend Council and Committee Meeting to provide advice on matters relating to Infrastructure Services	Luccio Cercarelli - General Manager Infrastructure	In Progress	01/07/2016	30/06/2017	50%	50%	 GREEN

Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance
Office of GM Infrastructure					

Linked Related Plan(s):**Linked Action Filter(s):****Action Progress Comments**

All Council and Committee meetings attended. Review, presentation and advice on reports relating to the Infrastructure Department provided.

Last Updated - 22/03/2017


Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
5.3.2.1 Provide strategic and operational leadership to the Infrastructure Services Department	Luccio Cercarelli - General Manager Infrastructure	In Progress	01/07/2016	30/06/2017	50%	50%	 GREEN

Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance
Office of GM Infrastructure					

Linked Related Plan(s):**Linked Action Filter(s):****Action Progress Comments**

Provided and reviewed on an ongoing basis.

Last Updated - 22/03/2017

Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
5.3.2.4 Actively participate in the Executive Leadership Team to monitor and resolve organisation-wide issues and represent matters relating to Infrastructure Services	Luccio Cercarelli - General Manager Infrastructure	In Progress	01/07/2016	30/06/2017	50%	50%	 GREEN

Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance
Office of GM Infrastructure					

Linked Related Plan(s):**Linked Action Filter(s):****Action Progress Comments**

Executive Leadership Team meetings and Project Control Group meetings attended on a weekly basis to address organization wide issues.


Last Updated - 22/03/2017

Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
5.3.2.3 Lead implementation of Council plans, policy and decisions which involve infrastructure services	Luccio Cercarelli - General Manager Infrastructure	In Progress	01/07/2016	30/06/2017	50%	50%	<div><div></div><div></div><div></div></div> <div>100% GREEN</div>
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Office of GM Infrastructure							
Linked Related Plan(s):							
Linked Action Filter(s):							
Action Progress Comments							
All Infrastructure policies on track to be reviewed in accordance with the schedule. Implementation of Council plans and decisions regularly monitored.							
Last Updated - 22/03/2017							

Technical Services

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STRATEGY: 5.5.1 Manage Council's business based on a sustainable financial and asset management strategy


Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
5.5.1.2 Develop, implement and maintain a corporate asset register	Nadine Nilon - Manager Technical Services	In Progress	01/07/2016	30/06/2017	50%	50%	 GREEN

Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance
Asset Management					

Linked Related Plan(s):**Linked Action Filter(s):****Action Progress Comments**

New asset management system has been implemented and functional for infrastructure management. Implementation of financial requirements planning underway and is reported through the Asset Management Steering Group to the Risk Management & Audit Committee.

Last Updated - 22/03/2017


Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
5.5.1.3 Develop and manage the implementation of Council's annual renewal and replacement program	Nadine Nilon - Manager Technical Services	In Progress	01/07/2016	30/06/2017	50%	50%	 GREEN

Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance
Asset Management					

Linked Related Plan(s):**Linked Action Filter(s):****Action Progress Comments**

Programs have been developed for the 2016/17 year with all programs underway. This includes footpaths, roads, bollards and buildings.

Last Updated - 22/03/2017

Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
5.5.1.4 Undertake cyclic condition assessments, collection and maintenance of asset information, predictive modelling and forward works planning for City of Darwin assets	Nadine Nilon - Manager Technical Services	In Progress	01/07/2016	30/06/2017	50%	50%	 GREEN

Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance
Asset Management					



Linked Related Plan(s):**Linked Action Filter(s):****Action Progress Comments**




Condition assessment for pathways (footpaths, walkways, driveways) has been completed which will update data for asset and financial management and will be used to develop maintenance and replacement programs. Modeling of the road condition data is also underway.



Last Updated - 22/03/2017


Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
5.5.1.1 Develop and implement a Corporate Asset Management Strategy and asset management plans for defined asset classes: Roads, Pathways, Stormwater, Parks and Buildings	Nadine Nilon - Manager Technical Services	In Progress	01/07/2016	30/06/2017	50%	50%	<div>109</div> <div><div></div><div></div><div></div></div> <div>GREEN</div>
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Asset Management							
Linked Related Plan(s):							
Linked Action Filter(s):							
Action Progress Comments							
Asset Management Plans, and relevant Strategy, are being developed in conjunction with the Asset Management Audit recommendations and are reported through the Asset Management Steering Group to the Risk Management & Audit Committee.							
Last Updated - 22/03/2017							

STRATEGY: 2.2.3 Improve the landscaping, streetscape, infrastructure and natural environment

Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.2.3.2 Develop and maintain and implement subdivision, redevelopment and minor development guidelines, standards, policies and procedures	Nadine Nilon - Manager Technical Services	In Progress	01/07/2016	30/06/2017	50%	50%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Development							
Linked Related Plan(s):							
Linked Action Filter(s):							
Action Progress Comments							
Guideline and procedure updating is ongoing. Policies within the responsibility of Development have been updated. Updated Standard Drawings are being finalised and all other procedures are in progress.							
Last Updated - 22/03/2017							
Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.2.3.4 Certify Final Approval Certificate and Northern Territory Planning Authority permit conditions	Nadine Nilon - Manager Technical Services	In Progress	01/07/2016	30/06/2017	50%	50%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Development							
Linked Related Plan(s):							
Linked Action Filter(s):							
Action Progress Comments							
Approvals and clearances are provided on an ongoing basis on request from Builders/Developer's.							
Last Updated - 22/03/2017							

Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.2.3.3 Investigate and provide technical advice on private and public civil works within Council property	Nadine Nilon - Manager Technical Services	In Progress	01/07/2016	30/06/2017	50%	50%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Development							
Linked Related Plan(s): Linked Action Filter(s):							
Action Progress Comments Investigation and advice is provided on an ongoing basis. Last Updated - 22/03/2017							
Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.2.3.1 Develop and maintain Developer Contribution Plans in accordance with the NT Planning Act	Nadine Nilon - Manager Technical Services	In Progress	01/07/2016	30/06/2017	50%	50%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Development							
Linked Related Plan(s): Linked Action Filter(s):							
Action Progress Comments City of Darwin Officers are working with the Northern Territory Government group to develop a set of Uniform Subdivision Guidelines that would be used by all Councils and also allows for individual variation. The current Guidelines remain adequate at this stage and a draft update has been prepared which is awaiting the outcome of the NTG Uniform Guidelines. Last Updated - 22/03/2017							
STRATEGY: 3.2.2 Increase awareness through encouraging the use of waste management options, including recycling across Darwin							
Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
3.2.2.4 Plan effectively for Council's long term waste and recycling services	Nadine Nilon - Manager Technical Services	In Progress	01/07/2016	30/06/2017	50%	50%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Waste Management							
Linked Related Plan(s): Linked Action Filter(s):							
Action Progress Comments The Waste Management Strategy development is underway which, when complete, will further improve planning and implementation of waste minimisation targets. All other activities align with this task. Last Updated - 22/03/2017							

Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
3.2.2.3 Manage the Shoal Bay Waste Management Facility	Nadine Nilon - Manager Technical Services	In Progress	01/07/2016	30/06/2017	50%	50%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Waste Management							
Linked Related Plan(s): Linked Action Filter(s):							
Action Progress Comments Management of Shoal Bay Waste Management Facility is ongoing. The new lined landfill cell (Stage 5) construction is underway with scheduled completion in December. Waste filling to commence at the start of the 2017 dry season. The existing cells are being planned for capping as they progressively reach their final profiles and heights. A report into the condition of the weighbridge structure has been completed, resulting in some remedial works to occur in the coming quarter to enable the existing structure to be utilized for another 18 months to 2 years. Planning for a new weighbridge will commence early in 2017 and will be in accordance with Master Planning of the site (which will be reported to Council separately). Last Updated - 22/03/2017							
Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
3.2.2.1 Plan for and manage effective and efficient waste collection and recycling services striving towards waste minimisation and avoidance, and maximising resource recovery	Nadine Nilon - Manager Technical Services	In Progress	01/07/2016	30/06/2017	50%	50%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Waste Management							
Linked Related Plan(s): Linked Action Filter(s):							
Action Progress Comments Ongoing planning and service delivery for all Waste Management activities. Activities of the last quarter included completion of a concrete crushing trial, resulting in the introduction of a new charge at the Shoal Bay Waste Management Facility. The charge is lower than current general waste fees and is intended to encourage separation of waste which results in diversion and reuse of material on site. The Pre Cyclone Clean Up was completed over August and September. A total of 488 tonnes of material was collected with 178 tonnes, or 36%, of the material being recycled and diverted from landfill. The majority of waste diverted was scrap metal, with cardboard, e-waste, mixed recyclables and resalable items making up the remainder. Last Updated - 22/03/2017							

Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
3.2.2.2 Develop and deliver education programs to the community and schools regarding waste minimisation and recycling	Nadine Nilon - Manager Technical Services	In Progress	01/07/2016	30/06/2017	50%	50%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Waste Management							
Linked Related Plan(s):							
Linked Action Filter(s):							
Action Progress Comments							
Work has been underway on a new program of education and associated advertising. The material will be launched for Recycling Week in November.							
The campaign will be ongoing throughout the year and will include new television advertising, 'bus-back' ads, new calendars, improved education centre at the Shoal Bay Waste Management Facility and other promotional material.							
Staff are also commencing waste minimisation and diversion education direct with businesses within the municipality.							
Council's contractor Cleanaway has continued with education in schools and with community groups. A manual services (units) recycling and bin audit is scheduled to occur in the next quarter.							
Last Updated - 22/03/2017							

3RD QUARTER

2016/17



City of Darwin

Infrastructure Services Performance Report

Jul 16 - Mar 17

Costs of Services

for the period ended 31 March 2017

	Full Original Budget \$'000	Full Amended Budget \$'000	Recommended Variations \$'000	Projected Result \$'000	YTD Actual \$'000	YTD v Projected Result %	Notes
% of year elapsed						75%	

Infrastructure**Attachment B-4****Income**

Building Services	1	1	-	1	0	13%	
Design, Planning & Projects	-	3	-	3	8	246%	
Fleet Management	73	73	-	73	41	56%	
Parks & Reserves	192	192	-	192	171	89%	
Roads Maintenance	1,778	1,752	-	1,752	1,314	75%	
Development	486	486	-	486	265	55%	
Waste Management	20,148	20,148	-	20,148	16,427	82%	
Total income	22,677	22,655	-	22,655	18,226	80%	

Expense

General Manager Infrastructure	592	517	-	517	375	73%	
Asset Management	437	492	-	492	257	52%	
Design, Planning & Projects	1,826	2,224	-65	2,159	1,469	68%	1
Operations	1,058	1,033	-	1,033	836	81%	
Building Services	4,235	4,235	-	4,235	2,972	70%	
Fleet Management (net of internal charges/hire) *	-1,736	-1,736	-	-1,736	-1,329	77%	
Mosquito Control	137	137	-	137	42	31%	
Parks & Reserves	15,476	15,645	-	15,645	11,475	73%	
Pathways	919	919	195	1,114	1,365	123%	2
Roads Maintenance	6,595	6,669	-	6,669	3,655	55%	
Stormwater Drainage	639	639	-	639	465	73%	
Street Cleaning	3,263	3,263	-	3,263	2,193	67%	
Development	453	453	-	453	230	51%	

Costs of Services**for the period ended 31 March 2017**

	Full Original Budget \$'000	Full Amended Budget \$'000	Recommended Variations \$'000	Projected Result \$'000	YTD Actual \$'000	YTD v Projected Result %	Notes
% of year elapsed						75%	
Waste Management	16,323	16,323	-	16,323	12,013	74%	
Total expense	50,218	50,813	130	50,943	36,019	71%	
Net surplus (-cost)	-27,541	-28,158	-130	-28,288	-17,793	63%	

Notes on recommended variations:

1. Transfer out Urban Policy budget \$100k to Carry Forward Reserve due to project unlikely to proceed this financial year. Additional funds required for Nightcliff/Progress modelling and concept designs \$35k - funded from transfer from capital program LATM budget
2. Pathways additional funds required for increased maintenance works , transfer from capital Walkways budget.

Infrastructure Services

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Overview

KPI Status



GREEN

>90% on track or better



YELLOW

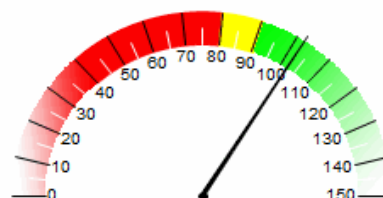
<90% and >70% marginal variance



RED

<70% off track or requires attention

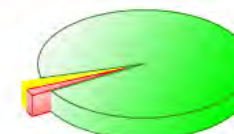
Performance






7	KPIs reported on
6	KPIs with at least 90% of target
1	KPIs between 70 and 90% of target
0	KPIs with less than 70% of target
0	KPIs with no targets set

Action Status





Off Track	2.04%
Monitor	2.04%
On Track	95.92%
No Target Set	0.00%
Total:	100.00%



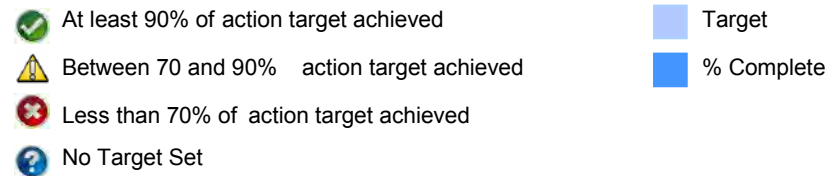
KPI

KPI	Unit	Target	Actual	
Annual capital expenditure within approved budget	%	75.00	70.00	 GREEN
Latest Comment <i>The City of Darwin's 2016/17 Capital Works Budget was \$41.5M. In addition, carry forwards from 2015/16 totalled \$15.9M, a revised budget of \$57.4M</i> <i>As at 31 March 2017 (Quarter 3), City of Darwin has committed or completed projects to the value of \$33.2M, which represents 70% of the City of Darwin's total Capital Works Budget.</i> <i>Prior to this report Council has endorsed a number of 3rd quarter budget variations and early carry forwards to 17/18 which will have an impact on the 4th quarter result.</i>				
Annual Infrastructure Services departmental expenditure within approved budget	%	75.00	71.00	 GREEN
Latest Comment <i>Year to date expenditure (excluding capital) versus budget.</i>				
Number of development applications received	#	187.50	182.00	 GREEN
Latest Comment <i>The number of development applications received by the NT Government has reduced during the quarter.</i>				

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KPI	Unit	Target	Actual	
Percentage of abusive or offensive graffiti removed within 24 hours	%	100.00	100.00	117  GREEN
Latest Comment <i>All reported graffiti has been removed in accordance with service levels.</i>				
Percentage of annual design program completed	%	75.00	95.00	 GREEN
Latest Comment <i>In progress</i>				
Percentage of community satisfied with the wheelie bin collection service	%	90.00	78.00	 YELLOW
Latest Comment <i>78% of survey respondents stated high levels of satisfaction with Council's Wheelie Bin Collection Service. The overall rating was 4.2 out of 5.0.</i>				
Works permits processed within 10 working days	%	90.00	100.00	 GREEN
Latest Comment <i>Council aims to process all work permits within five days. Permits that are not processed within five days continue to be processed within ten working days.</i>				

Action Summary



Action	Start Date	End Date								
1.4.2.1 Review and comment on all Northern Territory Development Consent Authority matters, in keeping with statutory and strategic requirements and community needs	01/07/2016	30/06/2017	<div><div></div></div> <div>0%20%40%60%80%100%</div> <div>✔</div>							
1.4.2.2 Participate in working groups with the Northern Territory Government to implement strategic planning initiatives	01/07/2016	30/06/2017	<div><div></div></div> <div>0%20%40%60%80%100%</div> <div>✔</div>							
1.4.2.3 Undertake land use planning to develop strategic plans and policy to influence the Northern Territory Governments Land Use Plans and Northern Territory Planning Scheme	01/07/2016	30/06/2017	<div><div></div></div> <div>0%20%40%60%80%100%</div> <div>✔</div>							
1.4.2.4 Develop high level planning strategies	01/07/2016	30/06/2017	<div><div></div></div> <div>0%20%40%60%80%100%</div> <div>✔</div>							
1.4.2.5 Develop and manage Developer Contribution Plans for infrastructure upgrading works such as road works, stormwater drainage and social infrastructure	01/07/2016	30/06/2017	<div><div></div></div> <div>0%20%40%60%80%100%</div> <div>✔</div>							
2.1.1.1 Construct, reconstruct and maintain footpaths, driveways, walkways and shared paths	01/07/2016	30/06/2017	<div><div></div></div> <div>0%20%40%60%80%100%</div> <div>✔</div>							
2.1.1.3 Undertake public place cleaning including path, street sweeping and litter collection services to maintain public amenities	01/07/2016	30/06/2017	<div><div></div></div> <div>0%20%40%60%80%100%</div> <div>✔</div>							
2.1.3.1 Manage and maintain Council's road network	01/07/2016	30/06/2017	<div><div></div></div> <div>0%20%40%60%80%100%</div> <div>✔</div>							
2.1.3.2 Manage and maintain line marking and signage to all roads	01/07/2016	30/06/2017	<div><div></div></div> <div>0%20%40%60%80%100%</div> <div>✔</div>							
2.1.3.3 Undertake mosquito control spraying in stormwater drainage infrastructure in the municipality as required	01/07/2016	30/06/2017	<div><div></div></div> <div>0%20%40%60%80%100%</div> <div>✔</div>							
2.1.3.4 Manage and maintain Council's stormwater drainage infrastructure and network	01/07/2016	30/06/2017	<div><div></div></div> <div>0%20%40%60%80%100%</div> <div>✔</div>							
2.1.3.5 Undertake design for Council's annual capital works program including roads, pavements and stormwater design	01/07/2016	30/06/2017	<div><div></div></div> <div>0%20%40%60%80%100%</div> <div>✔</div>							
2.1.3.6 Coordinate design for Council's Roads to Recovery and Blackspot federal funding programs	01/07/2016	30/06/2017	<div><div></div></div> <div>0%20%40%60%80%100%</div> <div>✔</div>							
2.1.3.7 Undertake traffic management investigations and formulate responses	01/07/2016	30/06/2017	<div><div></div></div> <div>0%20%40%60%80%100%</div> <div>✔</div>							
2.1.3.9 Conduct urban traffic analysis and design of traffic management schemes	01/07/2016	30/06/2017	<div><div></div></div> <div>0%20%40%60%80%100%</div> <div>✔</div>							



2.1.3.10 Provide documentation for the technical aspects of construction	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	119
2.1.3.11 Undertake stormwater drainage studies and identify future upgrading works required	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✗</div>	
2.2.1.8 Implement projects from the Darwin City Centre Master Plan.	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
2.2.1.9 I	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>⚠</div>	
2.2.3.1 Develop and maintain Developer Contribution Plans in accordance with the NT Planning Act	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
2.2.3.2 Develop and maintain and implement subdivision, redevelopment and minor development guidelines, standards, policies and procedures	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
2.2.3.3 Investigate and provide technical advice on private and public civil works within Council property	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
2.2.3.3 Maintain Council's parks, reserves, foreshores and sporting fields	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
2.2.3.4 Certify Final Approval Certificate and Northern Territory Planning Authority permit conditions	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
2.2.3.4 Manage and maintain cemeteries including the installation of memorials and headstones and conduct interments	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
2.2.3.5 Maintain irrigation systems and deliver sustainable irrigation practices for Council's open spaces	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
2.2.3.7 Work with government, other organisations and community members to plant and maintain trees in urban forests	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
2.2.3.8 Manage and deliver building maintenance services for Council's building assets	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
2.2.3.9 Develop and annually review Council's capital works program and budget	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
2.2.3.9 Maintain compliance with all Building Regulations for Council owned buildings	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
2.2.3.10 Conduct Council's building inspection program	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
2.2.3.10 Manage the delivery of Council's annual capital works program	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
2.2.3.11 Oversee, supervise and provide project management services and advice across Council for all capital works projects	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
2.2.3.12 Manage the removal of Graffiti from Council owned buildings and provide Graffiti removal services to the Northern Territory Government in accordance with the Service Level Agreement	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
3.2.2.1 Plan for and manage effective and efficient waste collection and recycling services striving towards waste minimisation and avoidance, and maximising resource recovery	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
3.2.2.2 Develop and deliver education programs to the community and schools regarding waste minimisation and recycling	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	

3.2.2.3 Manage the Shoal Bay Waste Management Facility	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	120
3.2.2.4 Plan effectively for Council's long term waste and recycling services	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
5.3.2.1 Provide strategic and operational leadership to the Infrastructure Services Department	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
5.3.2.1 Manage and provide administration for the City of Darwin Operations Centre	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
5.3.2.2 Attend Council and Committee Meeting to provide advice on matters relating to Infrastructure Services	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
5.3.2.2 Coordinate Council's Emergency Response Plan including the Cyclone Plan	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
5.3.2.3 Maintain business continuity plans to ensure Council's resilience to business interruption and disaster events	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
5.3.2.3 Lead implementation of Council plans, policy and decisions which involve infrastructure services	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
5.3.2.4 Actively participate in the Executive Leadership Team to monitor and resolve organisation-wide issues and represent matters relating to Infrastructure Services	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
5.5.1.1 Develop and implement a Corporate Asset Management Strategy and asset management plans for defined asset classes: Roads, Pathways, Stormwater, Parks and Buildings	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
5.5.1.2 Develop, implement and maintain a corporate asset register	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
5.5.1.3 Develop and manage the implementation of Council's annual renewal and replacement program	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	
5.5.1.4 Undertake cyclic condition assessments, collection and maintenance of asset information, predictive modelling and forward works planning for City of Darwin assets	01/07/2016	30/06/2017	<div><div></div></div> <div>0% 20% 40% 60% 80% 100%</div> <div>✓</div>	


Action Details

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Infrastructure Services

Capital Works

STRATEGY: 2.2.1 Develop a vibrant and active central business district

Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.2.1.8 Implement projects from the Darwin City Centre Master Plan.	Nik Kleine - Manager Capital Works	Deferred	01/07/2016	30/06/2017	75%	75%	 GREEN

Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance
Capital Works					

Linked Related Plan(s):**Linked Action Filter(s):****Action Progress Comments**

16/17 Master Plan Projects include:


Bicentennial Park Play Space - Q3 UPDATE - tender awarded, construction scheduled to commence May 2017 with a view to be opened by the dry season.

Cavenagh/Bennett Street Intersection Upgrade - \$1.0M grant funding received from the Northern Territory Government. Detailed design is being finalised for tender in the fourth quarter.

Master Plan projects were the subject of a report in March 2017. A 3rd Quarter budget variation was prepared as per the Council decision.

Last Updated - 07/04/2017

STRATEGY: 2.2.3 Improve the landscaping, streetscape, infrastructure and natural environment

Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.2.3.9 Develop and annually review Council's capital works program and budget	Nik Kleine - Manager Capital Works	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN

Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance
Capital Works					


Linked Related Plan(s):**Linked Action Filter(s):****Action Progress Comments**

Council's 2016/17 capital works plan was endorsed as part of the annual budget process.

The 2017/18 Capital Works Program will be developed as part of the 2017/18 budget development process and will take into consideration the Council's Long Term Capital Works Plan and Long Term Financial Plan.

The current years capital works program and financial status is reviewed and updated on a monthly basis.

Last Updated - 07/04/2017

Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.2.3.10 Manage the delivery of Council's annual capital works program	Nik Kleine - Manager Capital Works	In Progress	01/07/2016	30/06/2017	70%	75%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Capital Works							

Linked Related Plan(s):

Linked Action Filter(s):

Action Progress Comments

Capital projects progressing as planned

Parap Pool Redevelopment (Total Construction Cost \$14.0M)

2016/17 Revised Budget - \$12.3M

Expended to date - \$2,067,260 (17%)

Committed to date - \$9,081,986 (83%)

Total expended and committed to date - \$ 11,149,000 representing 100% of the revised budget.

Tender awarded to Sunbuild with construction commencing 26 September 2016.

Darwin Entertainment Centre including Air conditioning project

2016/17 Revised Budget - \$4.7M

Expended to date - \$357,000 (8%)

Committed to date - \$118,000 (2%)

Total expended and committed to date - \$ 475,000 representing 12% of the revised budget.

Report on options for the air conditioning refurbishment presented to Council at its December Ordinary Meeting. Tender advertised March 2017.

Playground Refurbishment (Shade and Playground upgrades)

2016/17 Revised Budget - \$1.4M

Expended to date - \$1,123,000 (80%)

Committed to date - \$221,000 (16%)

Total expended and committed to date - \$ 1,344,000 representing 96% of the revised budget.

Tenders have been awarded for the Shading Program and Playground Program as outlined on Councils website.

Velodrome

2016/17 Revised Budget - \$150,000

Expended to date - \$12,000

Committed to date - \$88,000

Project design at 50%

Pathways - 2016/17 Revised Budget - \$801,000

Expended to date - \$598,000 (75%)

Committed to date - \$22,000 (3%)

Total expended and committed to date - \$ 620,000 representing 77% of the revised budget.

Footpath construction on track with 19 projects completed.

Road Resurfacing -
 2016/17 Revised Budget - \$1.58M
 Expended to date - \$458,000 (29%)
 Committed to date - \$974,000 (62%)
 Total expended and committed to date - \$ 1,433,000 representing 90% of the revised budget.


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Coastal Erosion
 2016/17 Revised Budget - \$1.47M
 Expended to date - \$266,000 (18%)
 Committed to date - \$138,000 (9%)
 Total expended and committed to date - \$ 405,000 representing 27.5% of the revised budget.
 Tender awarded February 2017.
 Aboriginal Areas Protection Authority (AAPA) Certificate received.
 Construction to commence April 2017

Shoal Bay
 2016/17 Revised Budget - \$7.05
 Expended to date - \$6,000,000 (85%)
 Committed to date - \$1,218,975 (17%)
 Total expended and committed to date - \$7,228,000 representing 102% of the revised budget.
 Construction of new waste cell has commenced and tender for design of new leachate system is on schedule.

Storm water
 2016/17 Revised Budget - \$1,37M
 Expended to date - \$1,053,000 (77%)
 Committed to date - \$319,000 (23%)
 Total expended and committed to date - \$1,372,000 representing 100% of the revised budget.
 Bennison Road construction commenced September 2016, works on hold during wet season and will recommence April 2017.

Last Updated - 13/04/2017

Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.2.3.11 Oversee, supervise and provide project management services and advice across Council for all capital works projects	Nik Kleine - Manager Capital Works	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN

Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance
Capital Works					

Linked Related Plan(s):

Linked Action Filter(s):

Action Progress Comments




Internal discussion are underway with regards to a reporting tool for project management.




Last Updated - 07/04/2017

Design, Planning and Projects




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STRATEGY: 2.1.3 Manage the road network to meet community needs

Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.1.3.6 Coordinate design for Council's Roads to Recovery and Blackspot federal funding programs	Drosso Lelekis - Manager Design, Planning & Projects	In Progress	01/07/2016	30/06/2017	80%	75%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Design							
Linked Related Plan(s): Linked Action Filter(s):							
Action Progress Comments Design of Dinah Beach Road upgrade project (R2R) progressing. Black Spot project design completed. Last Updated - 18/04/2017							
Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.1.3.11 Undertake stormwater drainage studies and identify future upgrading works required	Drosso Lelekis - Manager Design, Planning & Projects	In Progress	01/07/2016	30/06/2017	45%	75%	 RED
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Design							
Linked Related Plan(s): Linked Action Filter(s):							
Stormwater Study for suburb of Nightcliff has commenced however there was a delay in the assessment of the submissions for this project. It is currently in the detailed survey stage and the project is still on target for completion 30 June 2017. Last Updated - 18/04/2017							
Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.1.3.10 Provide documentation for the technical aspects of construction	Drosso Lelekis - Manager Design, Planning & Projects	In Progress	01/07/2016	30/06/2017	80%	75%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Design							
Linked Related Plan(s): Linked Action Filter(s):							
Action Progress Comments Design and tender documentation for capital works projects. Nudl St storm water works, Smith St car parks and Lee Point Road/Jabiru St projects designed/documentated and ready for tender Last Updated - 18/04/2017							

Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.1.3.7 Undertake traffic management investigations and formulate responses	Drosso Lelekis - Manager Design, Planning & Projects	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Design							
Linked Related Plan(s):							
Linked Action Filter(s):							
Action Progress Comments							
Ongoing investigations on traffic management completed throughout the year as required. Q1 (July - September) - the number of road safety issues raised by the community and assessed (e.g pedestrian and road safety, on-street parking, speeding and disability access matters) was 40 and of these, 26 were resolved.							
Last Updated - 18/04/2017							
Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.1.3.9 Conduct urban traffic analysis and design of traffic management schemes	Drosso Lelekis - Manager Design, Planning & Projects	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Design							
Linked Related Plan(s):							
Linked Action Filter(s):							
Action Progress Comments							
Ongoing, as required.							
Last Updated - 18/04/2017							
Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.1.3.5 Undertake design for Council's annual capital works program including roads, pavements and stormwater design	Drosso Lelekis - Manager Design, Planning & Projects	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Design							
Linked Related Plan(s):							
Linked Action Filter(s):							
Action Progress Comments							
Lee Point Road/Jabiru Street Black Spot project upgrade works design complete. LATM projects undertaken as identified through investigations as issues arise. Design of other capital projects completed or at an advanced stage.							
Last Updated - 18/04/2017							

STRATEGY: 1.4.2 Play an active role in strategic and statutory planning processes

Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
1.4.2.2 Participate in working groups with the Northern Territory Government to implement strategic planning initiatives	Cindy Robson - Strategic Town Planner	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Planning							
Linked Related Plan(s): Linked Action Filter(s):							
Action Progress Comments The City of Darwin has continued to participate and comment on the preparation and exhibition of area plans for insertion into The Northern Territory Planning Scheme as Policy documents during this quarter. Last Updated - 16/05/2017							
Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
1.4.2.3 Undertake land use planning to develop strategic plans and policy to influence the Northern Territory Governments Land Use Plans and Northern Territory Planning Scheme	Cindy Robson - Strategic Town Planner	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Planning							
Linked Related Plan(s): Linked Action Filter(s):							
Action Progress Comments Continued preparation of reports to bi-monthly Town Planning Committee meetings, with the intention of addressing Strategic Planning matters of importance to Council. Last Updated - 11/05/2017							
Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
1.4.2.5 Develop and manage Developer Contribution Plans for infrastructure upgrading works such as road works, stormwater drainage and social infrastructure	Cindy Robson - Strategic Town Planner	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Planning							
Linked Related Plan(s): Linked Action Filter(s):							
Action Progress Comments The continued preparation of background studies to enable the development of infrastructure upgrade contribution plans in response to intensified development. Last Updated - 11/05/2017							

Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
1.4.2.4 Develop high level planning strategies	Cindy Robson - Strategic Town Planner	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Planning							
Linked Related Plan(s): Linked Action Filter(s):							
Action Progress Comments Refer to 1.4.2.2 and 1.4.2.3 Last Updated - 11/05/2017							
Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
1.4.2.1 Review and comment on all Northern Territory Development Consent Authority matters, in keeping with statutory and strategic requirements and community needs	Cindy Robson - Strategic Town Planner	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Planning							
Linked Related Plan(s): Linked Action Filter(s):							
Action Progress Comments Development Applications have been commented on, as referred to the City of Darwin by the Northern Territory Government. Last Updated - 11/05/2017							
STRATEGY: 2.2.1 Develop a vibrant and active central business district							
Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.2.1.9 Implement Darwin Bike Plan Actions	Drosso Lelekis - Manager Design, Planning & Projects	In Progress	01/07/2016	30/06/2017	60%	75%	 YELLOW
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Planning							
Linked Related Plan(s): Linked Action Filter(s):							
Action Progress Comments All of the year 1 Darwin Bike Plan Implementation Plan infrastructure related projects have commenced and are on target to be completed by 30 June 2017. The largest project, being the East Point shared path rejuvenation works has commenced with detailed survey completed to inform the final path levels (taking into account existing services pits) and is on target to be completed by 30 June 2017							

Infrastructure Maintenance



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STRATEGY: 2.2.3 Improve the landscaping, streetscape, infrastructure and natural environment




Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.2.3.10 Conduct Council's building inspection program	Maxine Flanagan - Team Coordinator - Building Services	In Progress	01/07/2016	30/06/2017	75%	75%	<div><div></div><div></div><div></div><div>GREEN</div></div>
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Building Services							
Linked Related Plan(s):							
Linked Action Filter(s):							
Action Progress Comments							
Inspections carried out on Council's Child Care and Community Centre's, public amenities, Gardens, Malak and Bagot Oval, City of Darwin Depot, Swimming Pools (excluding Parap), Westlane and China Town Car Parks and in accordance with Asset Management Plans.							
Last Updated - 11/05/2017							
Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.2.3.9 Maintain compliance with all Building Regulations for Council owned buildings	Maxine Flanagan - Team Coordinator - Building Services	In Progress	01/07/2016	30/06/2017	75%	75%	<div><div></div><div></div><div></div><div>GREEN</div></div>
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Building Services							
Linked Related Plan(s):							
Linked Action Filter(s):							
Action Progress Comments							
Building compliance maintained. Monthly inspections as programmed.							
Last Updated - 11/05/2017							
Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.2.3.8 Manage and deliver building maintenance services for Council's building assets	Maxine Flanagan - Team Coordinator - Building Services	In Progress	01/07/2016	30/06/2017	75%	75%	<div><div></div><div></div><div></div><div>GREEN</div></div>
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Building Services							
Linked Related Plan(s):							
Linked Action Filter(s):							
Action Progress Comments							
Building maintenance ongoing in line with existing maintenance contracts. CCTV upgrades have been completed across several Council buildings. Increased security of the abandoned vehicle lot at the operations center.							
Last Updated - 12/05/2017							


Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.2.3.12 Manage the removal of Graffiti from Council owned buildings and provide Graffiti removal services to the Northern Territory Government in accordance with the Service Level Agreement	Maxine Flanagan - Team Coordinator - Building Services	In Progress	01/07/2016	30/06/2017	75%	75%	<div><div>129</div><div><div></div><div></div><div></div></div><div>GREEN</div></div>
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Building Services							
Linked Related Plan(s):							
Linked Action Filter(s):							
Action Progress Comments							
Council graffiti removal continued to achieve removal of offensive graffiti.							
Last Updated - 11/05/2017							

STRATEGY: 2.1.1 Improve the pathway and cycle networks and encourage cycling and walking



Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.1.1.1 Construct, reconstruct and maintain footpaths, driveways, walkways and shared paths	Hasan Karatas - Coordinator Civic Infrastructure	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Civil Works							
Linked Related Plan(s): Linked Action Filter(s):							
Action Progress Comments 250 linear meters of concrete footpaths have been repaired and replaced for the quarter 25 SEP have been replaced/repaired 8 driveways repaired/replaced 10 linear meters of kerb and gutter has been repaired/replaced Last Updated - 11/05/2017							
Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.1.1.3 Undertake public place cleaning including path, street sweeping and litter collection services to maintain public amenities	Hasan Karatas - Coordinator Civic Infrastructure	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Civil Works							
Linked Related Plan(s): Linked Action Filter(s):							
Action Progress Comments Scheduled cleaning undertaken. Cleaning for which additional funding was allocated has commenced. CBD streets are being flushed once a week on an ongoing basis. High intensity cleaning continuing on a quarterly schedule. Last Updated - 11/05/2017							




STRATEGY: 2.1.3 Manage the road network to meet community needs

Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.1.3.1 Manage and maintain Council's road network	Hasan Karatas - Coordinator Civic Infrastructure	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Civil Works							
Linked Related Plan(s):							
Linked Action Filter(s):							
Action Progress Comments							
160 pot holes have been filled for the quarter and 450sqm of road replaced.							
Last Updated - 11/05/2017							
Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.1.3.2 Manage and maintain line marking and signage to all roads	Hasan Karatas - Coordinator Civic Infrastructure	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Civil Works							
Linked Related Plan(s):							
Linked Action Filter(s):							
Action Progress Comments							
4,400 linear metres line marking renewal undertaken and 110 road directional signs repaired / replaced.							
Last Updated - 11/05/2017							
Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.1.3.4 Manage and maintain Council's stormwater drainage infrastructure and network	Hasan Karatas - Coordinator Civic Infrastructure	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Civil Works							
Linked Related Plan(s):							
Linked Action Filter(s):							
Action Progress Comments							
On track							
Last Updated - 11/05/2017							

Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.1.3.3 Undertake mosquito control spraying in stormwater drainage infrastructure in the municipality as required	Hasan Karatas - Coordinator Civic Infrastructure	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Civil Works							
Linked Related Plan(s):							
Linked Action Filter(s):							
Action Progress Comments							
Mosquito program has been followed as per schedule.							
Council staff continue to work with Northern Territory Government to reduce or remove mosquito breeding habitat.							
Last Updated - 11/05/2017							

STRATEGY: 5.3.2 Display contemporary leadership and management practices

Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
5.3.2.3 Maintain business continuity plans to ensure Council's resilience to business interruption and disaster events	Kerry Smith - Manager Infrastructure Maintenance	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Operations Administration							
Linked Related Plan(s):							
Linked Action Filter(s):							
Action Progress Comments							
Business continuity remains on track.							
Last Updated - 11/05/2017							
Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
5.3.2.2 Coordinate Council's Emergency Response Plan including the Cyclone Plan	Kerry Smith - Manager Infrastructure Maintenance	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Operations Administration							
Linked Related Plan(s):							
Linked Action Filter(s):							
Action Progress Comments							
Councils Emergency Response Plan has been updated in the first quarter. The annual emergency response scenario completed on 17-21 October 2016.							
Last Updated - 11/05/2017							


Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
5.3.2.1 Manage and provide administration for the City of Darwin Operations Centre	Kerry Smith - Manager Infrastructure Maintenance	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Operations Administration							
Linked Related Plan(s): Linked Action Filter(s):							
Action Progress Comments Management of Operations Centre administration continues on track. Minor restructure changes implemented 1 February 2017 include the relocation of Stores from Corporate Services to Infrastructure Maintenance. Last Updated - 12/05/2017							
STRATEGY: 2.2.3 Improve the landscaping, streetscape, infrastructure and natural environment							
Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.2.3.5 Maintain irrigation systems and deliver sustainable irrigation practices for Council's open spaces	Kerry Smith - Manager Infrastructure Maintenance	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Parks & Reserves							
Linked Related Plan(s): Linked Action Filter(s):							
Action Progress Comments Irrigation systems progressively shut down as wet season rain increased. Upgrade of irrigation communications began and is currently underway. Conversion from manual irrigation systems in parks to automated systems continues. Last Updated - 12/05/2017							
Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.2.3.3 Maintain Council's parks, reserves, foreshores and sporting fields	Kerry Smith - Manager Infrastructure Maintenance	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Parks & Reserves							
Linked Related Plan(s): Linked Action Filter(s):							
Action Progress Comments Maintenance program remains on schedule, however mowing program disrupted due to higher than normal rainfalls throughout the wet season. Seasonal lows created some additional clean up work across Council's parks and reserves. Preparations for the 75th Anniversary of the Commemoration of the Bombing of Darwin were undertaken. Last Updated - 12/05/2017							

Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.2.3.4 Manage and maintain cemeteries including the installation of memorials and headstones and conduct interments	Kerry Smith - Manager Infrastructure Maintenance	In Progress	01/07/2016	30/06/2017	75%	75%	<div><div>133</div><div><div></div><div></div><div></div></div><div>GREEN</div></div>
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Parks & Reserves							
Linked Related Plan(s):							
Linked Action Filter(s):							
Action Progress Comments							
Maintenance program on track with internments continuing in accordance with the Cemeteries Act.							
Last Updated - 11/05/2017							
Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.2.3.7 Work with government, other organisations and community members to plant and maintain trees in urban forests	Kerry Smith - Manager Infrastructure Maintenance	In Progress	01/07/2016	30/06/2017	75%	75%	<div><div>133</div><div><div></div><div></div><div></div></div><div>GREEN</div></div>
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Parks & Reserves							
Linked Related Plan(s):							
Linked Action Filter(s):							
Action Progress Comments							
Program is ongoing with the majority of tree planting to occur within the third quarter.							
Last Updated - 11/05/2017							

Office of GM Infrastructure

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STRATEGY: 5.3.2 Display contemporary leadership and management practices


Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
5.3.2.2 Attend Council and Committee Meeting to provide advice on matters relating to Infrastructure Services	Luccio Cercarelli - General Manager Infrastructure	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN

Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance
Office of GM Infrastructure					

Linked Related Plan(s):**Linked Action Filter(s):****Action Progress Comments**

All Council and Committee meetings attended. Review, presentation and advice on reports relating to the Infrastructure Department provided.

Last Updated - 11/05/2017


Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
5.3.2.1 Provide strategic and operational leadership to the Infrastructure Services Department	Luccio Cercarelli - General Manager Infrastructure	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN

Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance
Office of GM Infrastructure					

Linked Related Plan(s):**Linked Action Filter(s):****Action Progress Comments**

Provided and reviewed on an ongoing basis.

Last Updated - 11/05/2017


Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
5.3.2.4 Actively participate in the Executive Leadership Team to monitor and resolve organisation-wide issues and represent matters relating to Infrastructure Services	Luccio Cercarelli - General Manager Infrastructure	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN

Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance
Office of GM Infrastructure					

Linked Related Plan(s):**Linked Action Filter(s):****Action Progress Comments**

Executive Leadership Team meetings and Project Control Group meetings attended on a weekly basis to address organization wide issues.


Last Updated - 11/05/2017

Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
5.3.2.3 Lead implementation of Council plans, policy and decisions which involve infrastructure services	Luccio Cercarelli - General Manager Infrastructure	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Office of GM Infrastructure							
Linked Related Plan(s):							
Linked Action Filter(s):							
Action Progress Comments							
All Infrastructure policies on track to be reviewed in accordance with the schedule. Implementation of Council plans and decisions regularly monitored.							
Last Updated - 11/05/2017							

Technical Services

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STRATEGY: 5.5.1 Manage Council's business based on a sustainable financial and asset management strategy


Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
5.5.1.2 Develop, implement and maintain a corporate asset register	Nadine Nilon - Manager Technical Services	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN

Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance
Asset Management					

Linked Related Plan(s):**Linked Action Filter(s):****Action Progress Comments**

New asset management system has been implemented and functional for infrastructure management. Implementation of financial requirements planning underway and is reported through the Asset Management Steering Group to the Risk Management & Audit Committee.

Last Updated - 11/05/2017


Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
5.5.1.3 Develop and manage the implementation of Council's annual renewal and replacement program	Nadine Nilon - Manager Technical Services	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN

Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance
Asset Management					

Linked Related Plan(s):**Linked Action Filter(s):****Action Progress Comments**

Programs have been developed for the 2016/17 year with all programs underway. This includes footpaths, roads, bollards and buildings.

Last Updated - 11/05/2017


Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
5.5.1.4 Undertake cyclic condition assessments, collection and maintenance of asset information, predictive modelling and forward works planning for City of Darwin assets	Nadine Nilon - Manager Technical Services	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN

Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance
Asset Management					



Linked Related Plan(s):**Linked Action Filter(s):****Action Progress Comments**




Condition assessment for pathways (footpaths, walkways, driveways) has been completed which will update data for asset and financial management and will be used to develop maintenance and replacement programs. Modeling of the road condition data is also underway.



Last Updated - 11/05/2017


Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
5.5.1.1 Develop and implement a Corporate Asset Management Strategy and asset management plans for defined asset classes: Roads, Pathways, Stormwater, Parks and Buildings	Nadine Nilon - Manager Technical Services	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Asset Management							
Linked Related Plan(s):							
Linked Action Filter(s):							
Action Progress Comments							
Asset Management Plans, and relevant Strategy, are being developed in conjunction with the Asset Management Audit recommendations and are reported through the Asset Management Steering Group to the Risk Management & Audit Committee.							
Last Updated - 11/05/2017							

STRATEGY: 2.2.3 Improve the landscaping, streetscape, infrastructure and natural environment

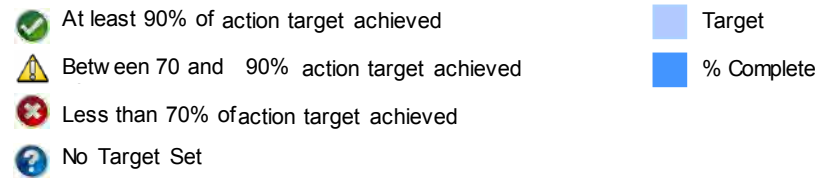
Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.2.3.2 Develop and maintain and implement subdivision, redevelopment and minor development guidelines, standards, policies and procedures	Nadine Nilon - Manager Technical Services	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Development							
Linked Related Plan(s):							
Linked Action Filter(s):							
Action Progress Comments							
Guideline and procedure updating is ongoing. Policies within the responsibility of Development have been updated. Updated Standard Drawings are being finalised and all other procedures are in progress.							
Last Updated - 11/05/2017							
Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.2.3.4 Certify Final Approval Certificate and Northern Territory Planning Authority permit conditions	Nadine Nilon - Manager Technical Services	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Development							
Linked Related Plan(s):							
Linked Action Filter(s):							
Action Progress Comments							
Approvals and clearances are provided on an ongoing basis on request from Builders/Developer's.							
Last Updated - 11/05/2017							

Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.2.3.3 Investigate and provide technical advice on private and public civil works within Council property	Nadine Nilon - Manager Technical Services	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Development							
Linked Related Plan(s): Linked Action Filter(s):							
Action Progress Comments Investigation and advice is provided on an ongoing basis. Last Updated - 11/05/2017							
Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
2.2.3.1 Develop and maintain Developer Contribution Plans in accordance with the NT Planning Act	Nadine Nilon - Manager Technical Services	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Development							
Linked Related Plan(s): Linked Action Filter(s):							
Action Progress Comments City of Darwin Officers are working with the Northern Territory Government group to develop a set of Uniform Subdivision Guidelines that would be used by all Councils and also allows for individual variation. The current Guidelines remain adequate at this stage and a draft update has been prepared which is awaiting the outcome of the NTG Uniform Guidelines. Last Updated - 11/05/2017							
STRATEGY: 3.2.2 Increase awareness through encouraging the use of waste management options, including recycling across Darwin							
Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
3.2.2.4 Plan effectively for Council's long term waste and recycling services	Nadine Nilon - Manager Technical Services	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Waste Management							
Linked Related Plan(s): Linked Action Filter(s):							
Action Progress Comments The Waste Management Strategy development is underway which, when complete, will further improve planning and implementation of waste minimisation targets. All other activities align with this task. Last Updated - 11/05/2017							

Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
3.2.2.3 Manage the Shoal Bay Waste Management Facility	Nadine Nilon - Manager Technical Services	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Waste Management							
Linked Related Plan(s): Linked Action Filter(s):							
Action Progress Comments Management of Shoal Bay Waste Management Facility is ongoing. The new lined landfill cell (Stage 5) construction is underway with scheduled completion in December. Waste filling to commence at the start of the 2017 dry season. The existing cells are being planned for capping as they progressively reach their final profiles and heights. A report into the condition of the weighbridge structure has been completed, resulting in some remedial works to occur in the coming quarter to enable the existing structure to be utilized for another 18 months to 2 years. Planning for a new weighbridge will commence early in 2017 and will be in accordance with Master Planning of the site (which will be reported to Council separately). Last Updated - 11/05/2017							
Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
3.2.2.1 Plan for and manage effective and efficient waste collection and recycling services striving towards waste minimisation and avoidance, and maximising resource recovery	Nadine Nilon - Manager Technical Services	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Waste Management							
Linked Related Plan(s): Linked Action Filter(s):							
Action Progress Comments Ongoing planning and service delivery for all Waste Management activities. Activities of the last quarter included completion of a concrete crushing trial, resulting in the introduction of a new charge at the Shoal Bay Waste Management Facility. The charge is lower than current general waste fees and is intended to encourage separation of waste which results in diversion and reuse of material on site. The Pre Cyclone Clean Up was completed over August and September. A total of 488 tonnes of material was collected with 178 tonnes, or 36%, of the material being recycled and diverted from landfill. The majority of waste diverted was scrap metal, with cardboard, e-waste, mixed recyclables and resalable items making up the remainder. Last Updated - 11/05/2017							

Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
3.2.2.2 Develop and deliver education programs to the community and schools regarding waste minimisation and recycling	Nadine Nilon - Manager Technical Services	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN
Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance		
Waste Management							
Linked Related Plan(s):							
Linked Action Filter(s):							
Action Progress Comments							
Work has been underway on a new program of education and associated advertising. The material will be launched for Recycling Week in November.							
The campaign will be ongoing throughout the year and will include new television advertising, 'bus-back' ads, new calendars, improved education centre at the Shoal Bay Waste Management Facility and other promotional material.							
Staff are also commencing waste minimisation and diversion education direct with businesses within the municipality.							
Council's contractor Cleanaway has continued with education in schools and with community groups. A manual services (units) recycling and bin audit is scheduled to occur in the next quarter.							
Last Updated - 11/05/2017							

Action Summary



Action	Start Date	End Date								
3.1.1.1 Coordinate the improvement of the environmental performance of Council's operations	01/07/2016	30/06/2017	<div><div></div></div> <div>0%20%40%60%80%100%</div> <div>✔</div>							
3.2.1.1 Manage and implement the City of Darw in Climate Change Policy and Action Plan 2011-2020	01/07/2016	30/06/2017	<div><div></div></div> <div>0%20%40%60%80%100%</div> <div>✔</div>							
3.2.1.2 Foster environmentally sustainable behaviour in the Darw in community	01/07/2016	30/06/2017	<div><div></div></div> <div>0%20%40%60%80%100%</div> <div>✔</div>							
3.2.3.2 Manage Council's response regarding legislation, government policy and land use strategy as it affects environmental management and climate change outcomes	01/07/2016	30/06/2017	<div><div></div></div> <div>0%20%40%60%80%100%</div> <div>✔</div>							
3.2.3.4 Advocate to the Territory Government and comment on Development Applications to foster environmentally sustainable development	01/07/2016	30/06/2017	<div><div></div></div> <div>0%20%40%60%80%100%</div> <div>✔</div>							
3.3.1.1 Monitor stormw ater and waterw ay water quality	01/07/2016	30/06/2017	<div><div></div></div> <div>0%20%40%60%80%100%</div> <div>✔</div>							
3.3.2.1 Manage and implement the East Point Reserve Biodiversity 5 Year Plan (2014-2018)	01/07/2016	30/06/2017	<div><div></div></div> <div>0%20%40%60%80%100%</div> <div>✔</div>							
3.3.2.2 Manage Council's strategies for biodiversity and conservation management	01/07/2016	30/06/2017	<div><div></div></div> <div>0%20%40%60%80%100%</div> <div>✔</div>							


Action Details

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Office of the Chief Executive

Climate Change and Environment

STRATEGY: 3.1.1 Reduce Council's greenhouse gas emissions

Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
3.1.1.1 Coordinate the improvement of the environmental performance of Council's operations	Brooke Rankmore - Manager Climate Change & Environment	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN


Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance
Climate Change and Environment					

Linked Related Plan(s):**Linked Action Filter(s):****Action Progress Comments**

Implementation of recommendations from the Deloitte's Environmental System assessment is ongoing. Notably the development of Standard Operating procedures for environmental reporting and site inspections, environmental checklist, register of NT and Commonwealth legislation and clauses to be used in contractor and lease arrangements. These documents will be brought together into an Operational Environmental Management Plan. CCE staff are continuing to work with OHS staff based at the Operations Centre to include environmental conditions in Safe Working Methods Statements.

Last Updated - 15/05/2017

STRATEGY: 3.2.1 Increased community understanding of climate change and environment issues and mitigation and adaption actions

Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
3.2.1.2 Foster environmentally sustainable behaviour in the Darwin community	Jade Leask - Senior Climate Change & Environmental Officer	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN

Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance
Climate Change and Environment					

Linked Related Plan(s):

Linked Action Filter(s):

Action Progress Comments

3rd Quarter Update (Jan-March)

Climate Change & Environment ran the following events this quarter;

Ride To Work Day with over 150 attendees

Aussie backyard bird count and Bird Week

Bird ID cycling tour of East Point

Bird Week display and school holiday library program

Welcome to the waders and opening of the Nightcliff shorebird sign

Annual Tree Planting Day with School groups planted 2000 trees with 70 students from Anula and Marrara Primary schools


Staff participated in the following forums coordinated by other agencies:

Coast Adapt workshop by NCARF

Science at Sunset by Inspiring Australia and CDU

TNRM Conference - including; Esri inspiring stories workshop, thumbs up social media, Darwin Aquaculture, and grant writing.

Last Updated - 15/05/2017

Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
3.2.1.1 Manage and implement the City of Darwin Climate Change Policy and Action Plan 2011-2020	Brooke Rankmore - Manager Climate Change & Environment	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN

Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance
Climate Change and Environment					

Linked Related Plan(s):

Linked Action Filter(s):


Action Progress Comments

Action plan continued to be implemented.

Over the last 3 months awarded the Energy Strategy tender which will be completed by April. A new GHG emissions target will be established as part of this process.

Last Updated - 15/05/2017

STRATEGY: 3.2.3 Lobby governments, developers and industry to undertake sustainable projects and behaviours

Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
3.2.3.4 Advocate to the Territory Government and comment on Development Applications to foster environmentally sustainable development	Brooke Rankmore - Manager Climate Change & Environment	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN

Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance
Climate Change and Environment					


Linked Related Plan(s):

Linked Action Filter(s):

Action Progress Comments

Where appropriate, comment is provided on development applications and submissions provided to NT Government initiatives.

Last Updated - 15/05/2017

Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
3.2.3.2 Manage Council's response regarding legislation, government policy and land use strategy as it affects environmental management and climate change outcomes	Brooke Rankmore - Manager Climate Change & Environment	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN

Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance
Climate Change and Environment					

Linked Related Plan(s):


Linked Action Filter(s):

Action Progress Comments

Where appropriate, comment has been provided on development applications and submissions provided to NT Government initiatives.

Last Updated - 15/05/2017

STRATEGY: 3.3.1 Advocate for the conservation of natural systems

Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
3.3.1.1 Monitor stormwater and waterway water quality	Jade Leask - Senior Climate Change & Environmental Officer	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN

Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance
Climate Change and Environment					

Linked Related Plan(s):

Linked Action Filter(s):


Action Progress Comments

3rd Quarter Update (Jan-March)

The Mid- wet season samples of the storm water drains were completed, showing medium to high bacteria levels across the board. Discussions with CDU professor Karen Gibb were undertaken to look at better sampling methods and criteria, and being associated with local research opportunities. Council supplied relevant data to CDU but direct associations with current research were not deemed worthwhile. This relationship will be revisited at an appropriate time.

Last Updated - 15/05/2017

STRATEGY: 3.3.2 Increase biodiversity richness and abundance across Darwin

Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
3.3.2.2 Manage Council's strategies for biodiversity and conservation management	Jade Leask - Senior Climate Change & Environmental Officer	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN

Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance
Climate Change and Environment					

Linked Related Plan(s):

Linked Action Filter(s):


Action Progress Comments

3rd Quarter Update (Jan-March)

The Gardens for Wildlife (G4W) program has been progressed with 4 primary schools interested in being part of our initial trial establishment phase. The newly appointed CC&E trainee will spearhead the schools program and look into appropriate curriculum links.

This program will play a role in enhancement of corridors and patches of viable wildlife habitat in developed areas.

Last Updated - 15/05/2017

Action	Responsibility	Action Status	Start Date	End Date	% Comp.	Target	Indicator
3.3.2.1 Manage and implement the East Point Reserve Biodiversity 5 Year Plan (2014-2018)	Jade Leask - Senior Climate Change & Environmental Officer	In Progress	01/07/2016	30/06/2017	75%	75%	 GREEN

Program Profile	Budget Type	Budget	YTD Budget	YTD Actual	YTD Variance
Climate Change and Environment					

Linked Related Plan(s):

Linked Action Filter(s):

Action Progress Comments

3rd Quarter Update (Jan-March)

A flora monitoring survey for East Point, will be undertaken in April/May as per the Biodiversity plan.

Other works at East Point are ongoing such as weeding and revegetation. After the wet season rain the 2016 tree planting has established and is growing well.

Last Updated - 15/05/2017

**ENCL: ENVIRONMENT & INFRASTRUCTURE
NO COMMITTEE/OPEN**

AGENDA ITEM: 10.2.2

DARWIN CBD SCRAMBLE CROSSINGS - UPDATE

REPORT No.: 17TS0025 DL:lf

COMMON No.: 2145507

DATE: 23/05/2017

Presenter: Manager Design, Planning & Projects, Drosso Lelekis

Approved: General Manager Infrastructure, Luccio Cercarelli

PURPOSE

The purpose of this report is to provide the outcomes of a review of the Darwin CBD scramble crossing changes implemented in September 2016.

LINK TO STRATEGIC PLAN

The issues addressed in this Report are in accordance with the following Goals/Strategies of the City of Darwin 2012 – 2016 as outlined in the 'Evolving Darwin Towards 2020 Strategic Plan':-

Goal

2 Vibrant, Flexible and Tropical Lifestyle

Outcome

2.1 Improved access and connectivity

Key Strategies

2.1.3 Manage the road network to meet community needs

KEY ISSUES

- Minor changes to the existing scramble crossings at the Mitchell Street, Smith Street and Cavenagh Street intersections of Knuckey Street were implemented in September 2016, to improve the functionality of the intersection for all users.
- A review of these changes has been undertaken and confirms that the functionality of the scramble crossings for all users has improved.

RECOMMENDATIONS

THAT the Committee resolve under delegated authority:-

THAT Report Number 17TS0025 DL:lf entitled Darwin CBD Scramble Crossings - Update, be received and noted.

PAGE: 2
 REPORT NUMBER: 17TS0025 DL:lf
 SUBJECT: DARWIN CBD SCRAMBLE CROSSINGS - UPDATE

BACKGROUND

At the Ordinary Council Meeting of 13 September 2016, Council resolved as follows:

DECISION NO.21\4797 (13/09/16)

Review of Darwin CBD Scramble Crossings

Report No. 16TS0136 NN:lf (13/09/16) Common No. 2145507

- A. *THAT Report Number 16TS0136 NN:lf entitled Review of Darwin CBD Scramble Crossings, be received and noted.*
- B. *THAT the existing scramble crossings at the Mitchell Street, Smith Street and Cavenagh Street intersections of Knuckey Street be retained, with the implementation of operational improvement changes as outlined in Report Number 16TS0136 NN:lf entitled Review of Darwin CBD Scramble Crossings.*
- C. *THAT a report into the effectiveness of the scramble crossings changes be provided to Council in six months' time.*

The changes to the scramble crossings were implemented in September 2016. The changes included:

- Reduced overall fixed signals cycle times (i.e. sum of time for all phases).
- Implementing vehicle-actuated cycle times outside of high traffic times on week days and weekends for flexibility.
- Lane configuration changes to create a shared left turn/through lane and exclusive right turn lane.
- Additional signage and pavement arrows for better delineation and to provide advanced warning of the lane layouts at these intersections.

A review of the effectiveness of the changes has been undertaken and the outcomes are provided in this report.

DISCUSSION

An assessment of the pedestrian and traffic flows at the scramble crossing intersections was undertaken in March 2017. To allow for comparison, the assessment was similar to the one undertaken prior to the signal phasing and lane changes implemented in September 2016. However, as the initial assessment was undertaken at a different time of year and traffic and pedestrian volumes are known to fluctuate at different times of the year, a true comparison is difficult.

It is considered that the most relevant statistic to compare is the proportion of pedestrians crossing in a diagonal movement, rather than the comparison of total pedestrian volumes (which is more likely to fluctuate over the year).

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 REPORT NUMBER: 17TS0025 DL:lf
 SUBJECT: DARWIN CBD SCRAMBLE CROSSINGS - UPDATE

The table below shows the proportion of diagonally-crossing pedestrians at each of the intersections, both before (July 2016) and after (March 2017) the changes were implemented (September 2016) for each pedestrian peak period.

Proportion of Diagonally-Crossing Pedestrians						
	Mitchell / Knuckey		Smith / Knuckey		Cavenagh / Knuckey	
	July '16	March '17	July '16	March '17	July '16	March '17
AM Peak	24%	35%	3%	4%	19%	25%
Lunch Peak	38%	31%	2%	6%	21%	34%
PM Peak	23%	18%	3%	2%	12%	21%
TOTAL	31%	29%	3%	4%	18%	28%

It was determined that the utilisation of the diagonal crossing movement has increased at the Smith and Cavenagh Street intersections of Knuckey Street, however it decreased at the Mitchell Street intersection in the lunch and PM peak periods. Similarly to the total pedestrian traffic, this change in diagonal crossing utilisation may be due to a range of factors, including seasonal variance and weather.

The site observations were checked against the predicted movements in the updated traffic model and there were no areas of concern identified. All of the scramble crossings were found to be operating at an acceptable performance level in terms of vehicle queue lengths and pedestrian and vehicle delays.

The review found that there were reduced delays for pedestrians and vehicles at every intersection and reduced queue lengths for most of the traffic peaks.

Conclusion

The implemented changes to the Darwin CBD scramble crossings have resulted in improved functionality for all users.

CONSULTATION PROCESS

In preparing this report, the following City of Darwin officers were consulted:

- Civil Engineering Officer
- Team Leader Design
- Manager Capital Works

POLICY IMPLICATIONS

Council endeavours to maintain and improve the safety and efficiency of its road network for all users.

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REPORT NUMBER: 17TS0025 DL:lf
SUBJECT: DARWIN CBD SCRAMBLE CROSSINGS - UPDATE

BUDGET AND RESOURCE IMPLICATIONS

The implementation of the latest changes to the scramble crossings was managed within existing budgets.

RISK/LEGAL/LEGISLATIVE IMPLICATIONS

Implementing scramble crossings within high pedestrian areas is in line with Council's aim to provide a safe road network for all road users and a connected and walkable city.

ENVIRONMENTAL IMPLICATIONS

The latest changes will improve the efficiency of traffic flows within the road network environment in the area.

COUNCIL OFFICER CONFLICT OF INTEREST DECLARATION

We the Author and Approving Officers declare that we do not have a Conflict of Interest in relation to this matter.

DROSSO LELEKIS
MANAGER DESIGN, PLANNING
& PROJECTS

LUCCIO CERCARELLI
GENERAL MANAGER
INFRASTRUCTURE

For enquiries, please contact Drosso Lelekis on 8930 0414 or email:
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OPEN SECTION

E&I05/10

Environment & Infrastructure Committee Meeting – Tuesday, 23 May 2017

11. INFORMATION ITEMS

12. GENERAL BUSINESS

13. CLOSURE OF MEETING