

Business Papers

Environment & Infrastructure Committee Meeting

**Tuesday, 23 August 2016
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 August 2016, commencing at 5.00 pm.



B P DOWD
CHIEF EXECUTIVE OFFICER

Office Use Only

Placed on Public Notice Board: _____

Removed from Public Notice Board: _____

OPEN SECTION

E&I8/1

CITY OF DARWIN

ENVIRONMENT & INFRASTRUCTURE COMMITTEE

TUESDAY, 23 AUGUST 2016

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 Climate Change & Environment, Ms S Gamble; Executive Assistant, Ms A Smit.

Enquiries and/or Apologies: Arweena Smit
E-mail: a.smit@darwin.nt.gov.au - PH: 89300 685
OR Phone Committee Room 1, for Late Apologies - PH: 89300 519

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 Maintenance | • Signage |
| • 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.

*** INDEX ***

PAGE

OPEN SECTION

E&I8/2

1.	MEETING DECLARED OPEN	4
2.	APOLOGIES AND LEAVE OF ABSENCE	4
3.	ELECTRONIC MEETING ATTENDANCE	4
4.	DECLARATION OF INTEREST OF MEMBERS AND STAFF	4
5.	CONFIDENTIAL ITEMS	5
6.	WITHDRAWAL OF ITEMS FOR DISCUSSION	5
7.	CONFIRMATION OF MINUTES PERTAINING TO THE PREVIOUS ENVIRONMENT & INFRASTRUCTURE COMMITTEE MEETING	
	• Tuesday, 19 July 2016	
8.	BUSINESS ARISING FROM THE MINUTES PERTAINING TO THE PREVIOUS ENVIRONMENT & INFRASTRUCTURE COMMITTEE MEETING	
8.1	Business Arising	5
9.	DEPUTATIONS AND BRIEFINGS	5
10.1	OFFICERS REPORTS (ACTION REQUIRED)	
10.1.1	Tambling Terrace Roundabout Pedestrian Treatment - Consultation Outcomes	6
10.1.2	Review of Policy No. 048 – Footpaths and Shared Paths	13
10.1.3	Petition - Playground and Shade Structure Upgrade - Mazlin Park, Wanguri	26
10.1.4	West Lane Traffic Management	30

OPEN SECTION

E&I8/3

10.2	OFFICERS REPORTS (RECEIVE & NOTE).....	35
11.	INFORMATION ITEMS	36
12.	GENERAL BUSINESS.....	36
13.	CLOSURE OF MEETING.....	36

OPEN SECTION

E&I8/4

Environment & Infrastructure Committee Meeting – Tuesday, 23 August 2016

1. MEETING DECLARED OPEN

2. APOLOGIES AND LEAVE OF ABSENCE

Common No. 2695036

2.1 Apologies

Nil

2.2 Leave of Absence Granted

()

- A. THAT it be noted The Right Worshipful, The Lord Mayor, Katrina Fong Lim; is an apology due to a Leave of Absence previously granted on 31 May 2016 for the period 20 August 2016 to 6 September 2016.

DECISION NO.21\() (22/08/16)

3. ELECTRONIC MEETING ATTENDANCE

Common No. 2221528

3.1 Electronic Meeting Attendance Granted

Nil

4. DECLARATION OF INTEREST OF MEMBERS AND STAFF

4.1 Declaration of Interest by Members

Common No. 2752228

OPEN SECTION

E&I8/5

Environment & Infrastructure Committee Meeting – Tuesday, 23 August 2016

5. **CONFIDENTIAL ITEMS** Common No. 1944604

5.1 **Closure to the Public for Confidential Items**

6. **WITHDRAWAL OF ITEMS FOR DISCUSSION**

() COMMITTEE'S DECISION

THAT the Committee resolve under delegated authority that all Information Items and Officers Reports to the Environment & Infrastructure Committee Meeting held on Tuesday, 23 August 2016 be received and considered individually.

DECISION NO.21\() (22/08/16)

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

() COMMITTEE'S DECISION

THAT the Committee resolve that the minutes of the previous Environment & Infrastructure Committee Meeting held on Tuesday, 19 July 2016, tabled by the Chair, be received and confirmed as a true and correct record of the proceedings of that meeting.

DECISION NO.21\() (22/08/16)

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

8.1 **Business Arising**

9. **DEPUTATIONS AND BRIEFINGS**

Nil

ENCL: ENVIRONMENT & INFRASTRUCTURE
YES COMMITTEE/OPEN

AGENDA ITEM: 10.1.1

**TAMBLING TERRACE ROUNDABOUT PEDESTRIAN TREATMENT -
CONSULTATION OUTCOMES**

REPORT No.: 16TS0014 DL:jg

COMMON No.: 3134026

DATE: 23/08/2016

Presenter: Manager Design Planning & Projects, Drosso Lelekis

Approved: General Manager Infrastructure, Luccio Cercarelli

PURPOSE

The purpose of this report is to report on the outcomes of the Level 2 community consultation undertaken on the proposed installation of a new pedestrian crossing along Tambling Terrace, in the vicinity of the existing roundabout, at the intersection of Wanguri and Danimila Terraces, Lyons.

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

- In response to concerns over pedestrian safety, an investigation was undertaken into a possible pedestrian crossing treatment along Tambling Terrace, in the vicinity of the existing roundabout, at the intersection of Wanguri and Danimila Terraces.
- Tambling Terrace is a primary collector road with a 60 km/hr speed limit that is used by a variety of road users, including as a route to the hospital and schools.
- A range of possible crossing treatments were considered and Council resolved to endorse the staggered pedestrian crossing arrangement as shown at **Attachment A** to this report, for the purposes of community consultation.
- The community consultation process has been completed and it is recommended that the modified concept design shown at **Attachment B** to this report be adopted for implementation, subject to available funding.

PAGE: 2
 REPORT NUMBER: 16TS0014 DL:jg
 SUBJECT: TAMBLING TERRACE ROUNDABOUT PEDESTRIAN TREATMENT-
 CONSULTATION OUTCOMES

RECOMMENDATIONS

THAT the Committee resolve under delegated authority:-

- A. THAT Report Number 16TS0014 DL:jg entitled Tambling Terrace Roundabout Pedestrian Treatment - Consultation Outcomes, be received and noted.
- B. THAT Council adopt the modified staggered pedestrian crossing treatment on Tambling Terrace, as shown at **Attachment B** to Report Number 16TS0014 DL:jg entitled Tambling Terrace Roundabout Pedestrian Treatment - Consultation Outcomes for implementation and that funding for this project be considered in Council's 2017/2018 budget process.
- C. THAT Council seek external funding opportunities for the implementation of the modified staggered pedestrian crossing treatment on Tambling Terrace, as shown at **Attachment B** to Report Number 16TS0014 DL:jg entitled Tambling Terrace Roundabout Pedestrian Treatment - Consultation Outcomes.
- D. THAT Council write to the respondent to the community consultation process advising of the adoption of the modified staggered pedestrian crossing treatment on Tambling Terrace for implementation, subject to available funding.
- E. THAT prior to installation of the pedestrian crossing Council deliver a communication plan to inform the broader community of the project implementation.

BACKGROUND

In response to community concerns over pedestrian safety, an investigation was undertaken into a possible pedestrian crossing treatment along Tambling Terrace, in the vicinity of the existing roundabout, at the intersection with Wanguri and Danimila Terraces.

A number of possible crossing treatments were considered and at the Environment & Infrastructure Committee Meeting held 22 September 2015 the Committee resolved as follows:

10.4 Tambling Terrace Roundabout - Pedestrian Treatment *Report No. 15TS0122 DL:jg (22/09/15) Common No. 3134026*

(Want de Rowe/Elix)

COMMITTEE'S DECISION

THAT the Committee resolve under delegated authority:-

- A. THAT Report Number 15TS0122 PC:jg entitled Tambling Terrace Pedestrian Crossing, be received and noted.

PAGE: 3
 REPORT NUMBER: 16TS0014 DL:jg
 SUBJECT: TAMBLING TERRACE ROUNDABOUT PEDESTRIAN TREATMENT-CONSULTATION OUTCOMES

- B. *THAT Council endorse the proposed treatment being a staggered pedestrian crossing on Tambling Terrace as shown in **Attachment B** to Report Number 15TS0122 PC:jg entitled, Tambling Terrace Pedestrian Crossing, for purposes of undertaking Level 2 community consultation.*
- C. *THAT a further report be submitted on the outcomes of the community consultation processes.*

DECISION NO.21\3740 (22/09/15)

Carried

Then community consultation process has concluded and this report provides the outcomes of this process.

DISCUSSION

Tambling Terrace is classified as a primary collector road under the City of Darwin's road hierarchy plan and is a major road in Darwin's northern suburbs, linking Lee Point Road and Henbury Avenue, and is one of the primary routes to the Royal Darwin Hospital. It also operates as a bus route from Monday to Friday.

As part of the review and assessment of pedestrian facilities along Tambling Terrace, a pedestrian survey was conducted to identify the highest demand for a pedestrian facility. A traffic survey was also undertaken to assess traffic flows and speeds along Tambling Terrace. The results of these surveys and available accident data were utilised to assess the current pedestrian facilities and recommend further upgrades, if required.

The traffic volumes measured along Tambling Terrace were in the order of 7,000 vehicles per day and the peak hour pedestrian volumes are around 28 people crossing the road near the roundabout.

A range of possible crossing treatments were considered and Council went to community consultation on the staggered pedestrian crossing arrangement as shown at **Attachment A** to this report.

Community Consultation Process

The Level 2 (Neighbourhood) community consultation process was undertaken in accordance with Council's Community Consultation Policy. Letters were sent to residents within 250m of the location of the proposed crossing.

One submission was received in response to the consultation, from a resident of Tambling Terrace, who was concerned that access to their property would be severely affected by the proposed works. In response to these concerns, the concept design was modified to provide full access the property. The design resulting from this change is provided at **Attachment B** to this report.

PAGE: 4
 REPORT NUMBER: 16TS0014 DL:jg
 SUBJECT: TAMBLING TERRACE ROUNDABOUT PEDESTRIAN TREATMENT-CONSULTATION OUTCOMES

It is recommended that:

- The modified staggered pedestrian crossing treatment on Tambling Terrace, as shown at **Attachment B** to this report is adopted for implementation and that funding for this project be considered in Council's 2017/2018 budget process.
- Council seek external funding opportunities to implement the project.
- Council write to the respondent to the community consultation process advising of the adoption of the modified staggered pedestrian crossing treatment on Tambling Terrace for implementation, subject to available funding.
- Prior to installation Council deliver a communication plan to inform the broader community of the project implementation.

CONSULTATION PROCESS

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

- Design Team Leader
- Senior Community Engagement Officer

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

- SMEC – Australia, Consulting Engineers

The community consultation process undertaken on this proposal is covered within the Discussion section of this report.

POLICY IMPLICATIONS

Nil.

BUDGET AND RESOURCE IMPLICATIONS

The estimated cost of the implementation of a staggered pedestrian crossing on Tambling Terrace on the western side of the roundabout, including the associated lighting is in the order of \$100,000.

No funding for this project currently exists in Council's Long Term Capital Works Plan.

External funding opportunities for the delivery of this project will also be sought, if available.

PAGE: 5
 REPORT NUMBER: 16TS0014 DL:yg
 SUBJECT: TAMBLING TERRACE ROUNDABOUT PEDESTRIAN TREATMENT-
 CONSULTATION OUTCOMES

RISK/LEGAL/LEGISLATIVE IMPLICATIONS

Failing to provide adequate pedestrian crossing facilities at this site could compromise pedestrian safety.

There is also a risk however, that providing pedestrian priority at this intersection may result in delays for motorists and congestion along Tambling Terrace, thereby resulting in complaints from the driving public. Should delays and congestion occur, there is therefore a risk that the community will not support this proposal after implementation.

Should lighting be excluded from the works, there is a risk that to pedestrian safety at night.

ENVIRONMENTAL IMPLICATIONS

Implementing appropriate road safety measures will result in a safer road environment for all road users.

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

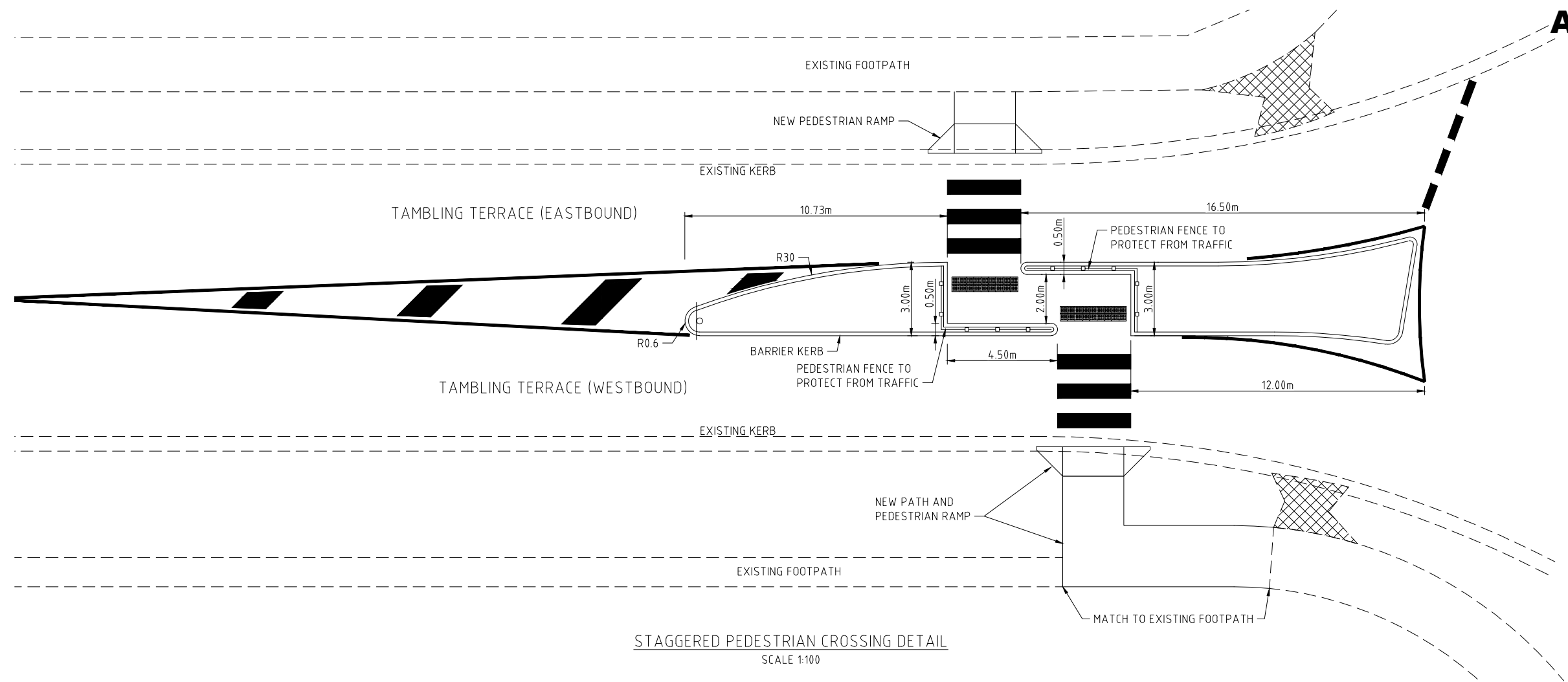
LUCCIO CERCARELLI
GENERAL MANAGER
INFRASTRUCTURE

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

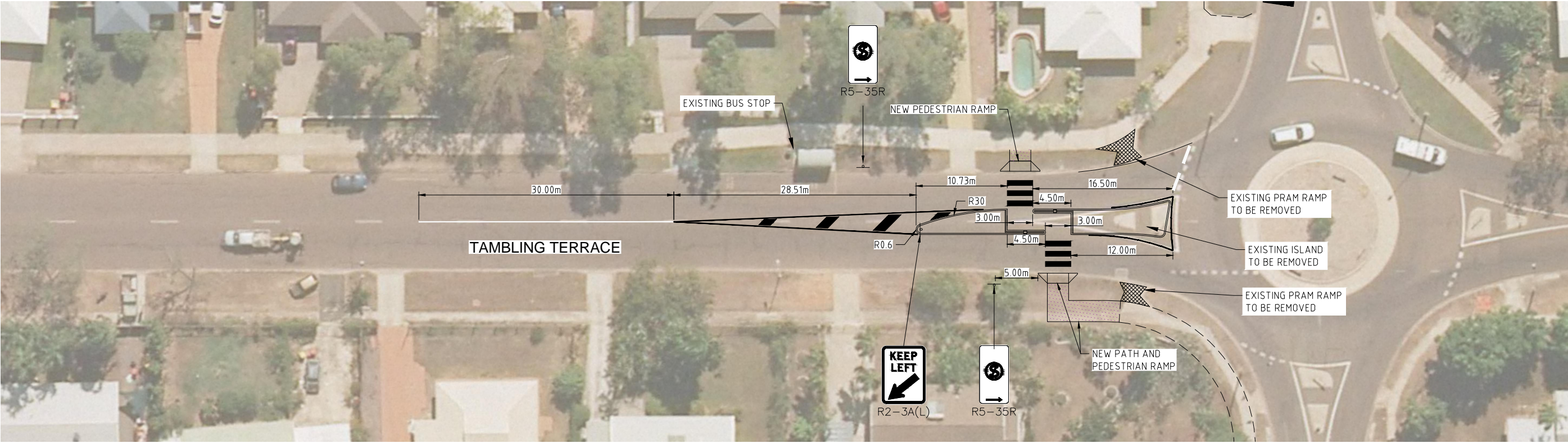
Attachments:

Attachment A: Staggered pedestrian crossing treatment proposal for community consultation.

Attachment B: Modified pedestrian crossing treatment proposal recommended for implementation.



STAGGERED PEDESTRIAN CROSSING DETAIL
SCALE 1:100



REVISION	DATE	DES/DT	APPD
4	22/10/15	J.B.	S.S.
3	07/10/15	J.B.	S.S.
2	06/10/15	J.B.	S.S.
1	01/09/14	J.B.	S.S.

Principal
CITY OF DARWIN

Project Leader
Sean Sandford
Designed
J.Brazel
Drawn
J.Brazel
Checked
S.Sandford
Authorised
S.Sandford
Date
24/06/14

Scale @ A1
1:250

0 2.5 5 10

© SMEC Australia Pty Ltd T/A
SMEC Urban ABN 47 065 475 149
These designs and drawings are
the copyright of SMEC Urban.
The drawing shall not be
reproduced or copied, in whole or
part, without the written
permission of SM Urban Pty Ltd.
The contents of this drawing are
electronically generated, are
confidential and may only be used
for the purpose for which they are
intended.

Local People. Global Experience.

URBAN DEVELOPMENT
Level 1, 48-50 Smith St, Darwin, NT 0800, Australia
p +61 8 8981 4806 | f +61 8 8941 0848 | www.smeccom

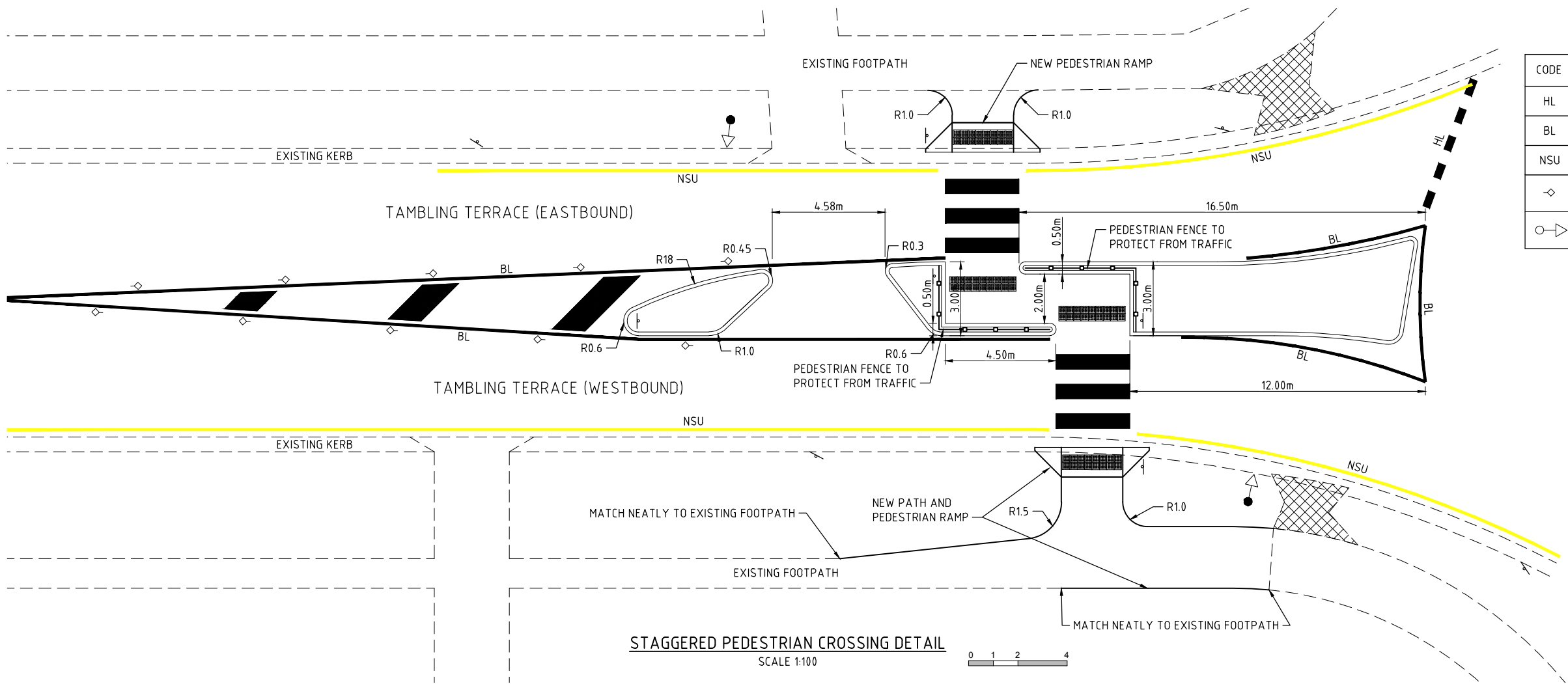
CITY OF DARWIN

Proposed Pedestrian Crossing with
Staggered Median Refuse

Drawing No. 30080022E-SK005
Dev. App. No.
Sheet No. 1 of 1

Subject to Approval

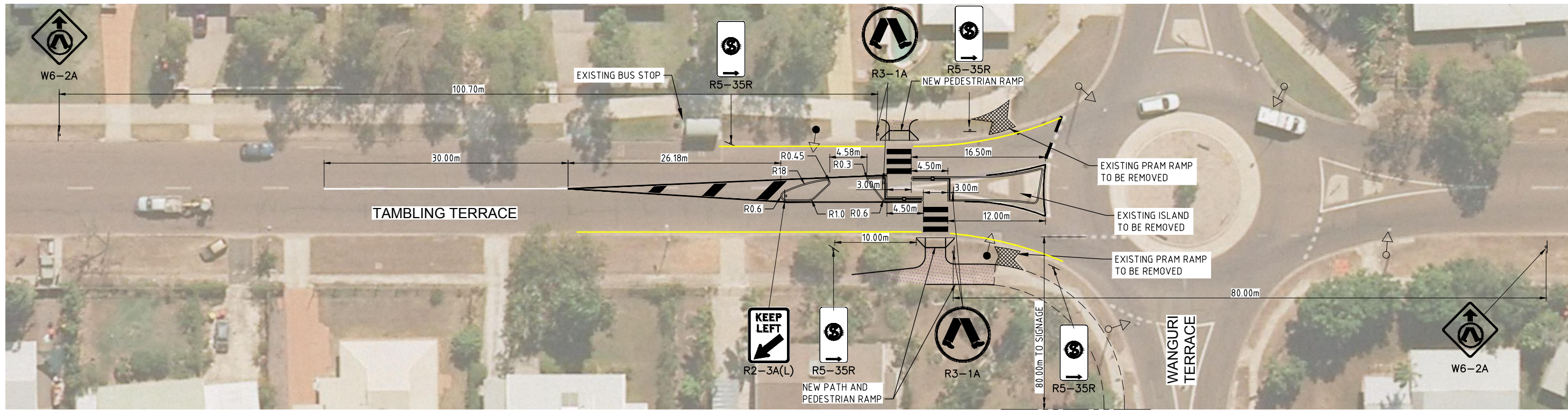
Rq14



CODE	LINE TYPE	LINE LENGTH	GAP	WIDTH
HL	HOLDING LINE	0.6m	0.6m	300mm
BL	BARRIER LINE	-	-	100mm
NSU	NO STOPPING LINE (YELLOW)	-	-	100mm
◇	RETRO-REFLECTIVE PAVEMENT MARKERS (RRPM)	YELLOW : MEDIAN ISLAND OUTLINE (SPACING = 6m c/c)		
○→	EXISTING LIGHT POLE	●→	PROPOSED LIGHT POLE	



PLAN A
SCALE 1:250



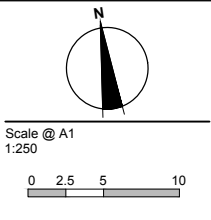
PLAN
SCALE 1:250

JOIN LINE X-X
(REFER PLAN A)

REVISION	DATE	DES/DT	APPD
7	08/06/16	B.B.	R.M.
6	05/02/16	D.K.	B.G.
5	05/11/15	D.K.	S.S.
4	22/10/15	J.B.	S.S.
3	07/10/15	J.B.	S.S.
2	06/10/15	J.B.	S.S.
1	01/09/14	J.B.	S.S.

Principal
CITY OF DARWIN

Project Leader
Sean Sandford
Designed
J.Brazel
Drawn
J.Brazel
Checked
S.Sandford
Authorised
S.Sandford
Date
24/06/14



© SMEC Australia Pty Ltd T/A
SMEC Urban ABN 47 065 475 149
These designs and drawings are
the copyright of SMEC Urban.
The drawing shall not be
reproduced or copied, in whole or
part, without the written
permission of SM Urban Pty Ltd.
The contents of this drawing are
electronically generated, are
confidential and may only be used
for the purpose for which they are
intended.

Local People. Global Experience.

URBAN DEVELOPMENT
Level 1, 48-50 Smith St, Darwin, NT 0800, Australia
p +61 8 8981 4806 | f +61 8 8941 0848 | www.smec.com

CITY OF DARWIN

Proposed Pedestrian Crossing with
Staggered Median Refuse

Drawing No. 30080022E-SK005
Dev. App. No.
Sheet No. 1 of 1

Subject to Approval

12

ENCL: ENVIRONMENT & INFRASTRUCTURE
YES COMMITTEE/OPEN

AGENDA ITEM: 10.1.2

REVIEW OF POLICY NO. 048 - FOOTPATHS AND SHARED PATHS

REPORT No.: 16TS0066 NN:tz

COMMON No.: 2078949

DATE: 23/08/2016

Presenter: Manager - Technical Services, Nadine Nilon

Approved: General Manager Infrastructure, Luccio Cercarelli

PURPOSE

The purpose of this report is to present to Council a reviewed and updated City of Darwin Policy No 048 Footpaths and Shared Paths.

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

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

KEY ISSUES

- The current Footpath Policy (**Attachment A**) was adopted 23 February 2010 and the policy is now due for review.
- The proposed new Footpaths and Shared Paths Policy (**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 Guidelines which will be managed by staff.
- The policy is in accordance with Council's Subdivisional Guidelines and relevant Australian Standards, including Disability Compliance.

PAGE: 2
 REPORT NUMBER: 16TS0066 NN:tz
 SUBJECT: REVIEW OF POLICY NO. 048 - FOOTPATHS AND SHARED PATHS

RECOMMENDATIONS

THAT it be a recommendation to Council:

- A. THAT Report Number 16TS0066 NN:tz entitled Review of Policy No 048 – Footpaths and Shared Paths, be received and noted.
- B. THAT Council endorses the draft City of Darwin Policy No 048 – Footpaths and Shared Paths being **Attachment B** of Report Number 16TS0066 NN:tz for the purposes of Level 2 community consultation and a further report is presented to Council following consultation.

BACKGROUND

Council's website includes the following statement in regards to policies;

“Policies are a representation of the values that Council will take into consideration during its decision making process. It is the Elected Members role to weigh Council matters and decide upon policies which the council administration will carry through. Policies are in place to fulfil the community's needs and are continually being reviewed and updated.”

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 has a current Footpath Policy, **Attachment A** which has been identified for review. This policy has been reviewed and is presented within this report.

DISCUSSION

The City of Darwin Policy No 048 - Footpaths has been reviewed and updated as provided in **Attachment B** to this report. There have been significant changes to the policy, and as such, there has not been a tracked changes version provided for this review.

The main changes have been around;

- 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 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 of community consultation process specific to footpaths due to community consultation being in accordance with City of Darwin Policy No. 025 – Community Consultation Policy and the implementation of the consultation being an operational activity.

PAGE: 3
 REPORT NUMBER: 16TS0066 NN:tz
 SUBJECT: REVIEW OF POLICY NO. 048 - FOOTPATHS AND SHARED PATHS

Shared paths were not explicitly included in the previous policy and have been included the version presented with this report to ensure they are considered as part of the overall off-road network. The revised policy requires shared paths be installed on one side of all roads with a hierarchy of a primary collector or above (ie VRD Drive, Parap Road) and immediately adjacent schools. The other side of the road is still to have a standard width footpath.

A guideline document has been created to capture and update the technical and operational information contained in the previous policy. This document outlines the decision making basis for prioritisation of programs and the consultation process for used by officers. The document has not been included in this report as it is an operational procedure, however the consultation that occurs will include aspects of the guidelines to inform its finalisation. The intent is that the Policy provides the policy direction of Council whilst the guidelines outline the implementation of programs.

A key issue that has arisen most years is negative feedback being received from a portion of residents and owners of a street that a path is proposed on. The reasons for resistance to new path construction are often based on residents and owners not wanting the path in the verge adjacent their property for people to walk along, or they have planted vegetation within the verge that doesn't allow pedestrian thoroughfare at all.

It is intended that the new Policy represents the needs of the entire community and provides the outcome of a connected network of footpaths and shared paths for all users. Therefore, if the Policy is finalised following consultation with there being an objective of having an accessible path on every street, then the program will go ahead and officers will work with residents and owners to deliver the most suitable outcome, without compromising on the Policy objectives.

All aspects of the updated draft Policy will be available for Community discussion and feedback prior to the final draft being presented to Council. This approach has been recommended (and detailed in the following section) to ensure that the Community's expectations of the provision of footpaths and shared paths is reflected in Council's policy and subsequent programs.

CONSULTATION PROCESS

This report was considered by the Executive Leadership Team on 8 August 2016 and now referred to Environment & Infrastructure Committee for consideration.

It is recommended that the consultation for Policy Number 048 – Footpaths and Shared Paths is delivered in accordance with City of Darwin Policy No. 025 – Community Consultation Policy at Level 2; *“we will keep you informed, listen to and acknowledge concerns and provide feedback on how public input influenced the decision”*.

The consultation will also include Level 3 elements and techniques to ensure the broader community is targeted and provided with the opportunity to participate.

PAGE: 4
 REPORT NUMBER: 16TS0066 NN:tz
 SUBJECT: REVIEW OF POLICY NO. 048 - FOOTPATHS AND SHARED PATHS

Other stakeholders will include relevant committees, government departments and community groups.

The goals of this consultation program are:

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

The consultation period will be for six weeks and is anticipated to commence early October. At the end of the consultation a comprehensive report will be prepared outlining the findings to Council and a final draft of the Policy for Council consideration.

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

- Manager Design, Planning and Projects
- Manager Strategy and Outcomes
- Manager Capital Works
- Manager Infrastructure Maintenance
- Senior Community Engagement Officer

POLICY IMPLICATIONS

As part of the review process, City of Darwin Policy No 048 – Footpath that was adopted 23 February 2010 will be superseded by the updated Policy in **Attachment B**, once it is finalised following Community Consultation.

This Policy is also relevant to the City of Darwin Community Access Plan 2012 – 2017 and has the draft Policy update has included relevant aspects of the Community Access Plan. In particular, this includes, but is not limited to;

- Item 1.01 - Council's commitment to the Disability Discrimination Act 1992
- Item 1.03 - Ensure that all relevant Council Policies and Procedures reflect compliance with current Australian Standards and best practice.
- Item 4.04 - New footpath standards (reflected in technical documentation)
- Item 4.05 - Prioritise the progressive construction of unmade footpaths on an access-needs basis, having regards to a priority list and advice from the Disability Advisory Committee.

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.

PAGE: 5
 REPORT NUMBER: 16TS0066 NN:tz
 SUBJECT: REVIEW OF POLICY NO. 048 - FOOTPATHS AND SHARED PATHS

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 0417 or email:
 n.nilon@darwin.nt.gov.au.

Attachments:

Attachment A: Current Policy No 048 - Footpaths

Attachment B: Draft Policy No 048 – Footpaths and Shared Paths

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:

- Council will provide;
 - at least one footpath per local road
 - 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
 - footpaths and shared paths of suitable widths to meet access and requirements and be fit for purpose (ie schools, recreation, high usage)
 - footpaths and shared paths through parks to provide pedestrian and cyclist networks
 - connections to walkways
- Council will develop annual and ongoing programs for the construction, reconstruction and removal of footpaths and shared paths.
- 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.
- Council may remove obsolete footpaths and replace with an appropriate verge material when the path has reached the end of its useful life.
- Where a footpath is not provided, a pedestrian corridor must be provided and maintained within the verge.
- Commercial property owners must not compromise the Council's verge and footpath in providing compliant access to their building.
- 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.

ENCL: NO	ENVIRONMENT & INFRASTRUCTURE COMMITTEE/OPEN	AGENDA ITEM: 10.1.3
PETITION - PLAYGROUND AND SHADE STRUCTURE UPGRADE - MAZLIN PARK, WANGURI		
REPORT No.: 16TS0138 NK:jg	COMMON No.: 3285705	DATE: 23/08/2016

Presenter: Manager Capital Works, Nik Kleine

Approved: General Manager Infrastructure, Luccio Cercarelli

PURPOSE

The purpose of this report is to provide Council with information pertaining to a petition requesting an upgrade to the playground equipment and shade structure in Mazlin Park, Wanguri.

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

- A petition signed by 107 residents was received by Council in July 2016 requesting that City of Darwin upgrade the playground equipment and shade structure in Mazlin Park, Wanguri.
- Mazlin Park playground is currently identified for replacement and provision of artificial shade in the 2017/18 program.
- Procurement for the 2016/17 playground refurbishment and shade provision program is currently under way.
- The 2016/17 program has an allocation of \$940,000 and \$100,000 for the provision of shade and playground refurbishments respectively.

PAGE: 2
 REPORT NUMBER: 16TS0138 NK:jg
 SUBJECT: PETITION - PLAYGROUND AND SHADE STRUCTURE UPGRADE - MAZLIN PARK, WANGURI

RECOMMENDATIONS

THAT it be a recommendation to Council:-

- A. THAT Report Number 16TS0138 NK:jg entitled Petition - Playground And Shade Structure Upgrade - Mazlin Park, Wanguri, be received and noted.
- B. THAT the refurbishment of the play equipment and the provision of artificial shade to the playground at Mazlin Park be constructed in July 2017 subject to 2017/2018 budget deliberations.
- C. THAT Council commence community consultation and selection of equipment for the playground refurbishment in 2016/17 to ensure delivery in July 2017.
- D. THAT Council write to the petition organisers advising them of this Council decision.

BACKGROUND

At the 1st Ordinary Council Meeting held 12 July 2016, Council resolved as follows:

- 12.1 Petition: Upgrading the Playground Equipment and Shade Structure in the Mazlin Street - Weedon Street Park, Wanguri**
Document No. 3332130 (26/07/16) Common No. 3285705

Member R Want de Rowe presented a Petition regarding upgrading the playground equipment and shade structure in the Mazlin Street - Weedon Street Park, Wanguri.

(Want de Rowe/Lambert)

- A. *THAT the Petition in relation to upgrading the playground equipment and shade structure in the Mazlin Street - Weedon Street Park, Wanguri be received and noted.*
- B. *THAT the Petition in relation to upgrading the playground equipment and shade structure in the Mazlin Street - Weedon Street Park, Wanguri be referred to an Environment & Infrastructure Committee Meeting.*

DECISION NO.214599

(26/07/16)

Carried

DISCUSSION

Mazlin Park is a neighbourhood park located in the northern suburb of Wanguri. It has a small playground consisting of a combination climbing unit and slide, a picnic table and limited natural shade over the play area.

A petition signed by 107 residents was received by Council in July 2016 requesting that City of Darwin upgrade the playground equipment and shade structure in the

PAGE: 3
 REPORT NUMBER: 16TS0138 NK:jg
 SUBJECT: PETITION - PLAYGROUND AND SHADE STRUCTURE UPGRADE - MAZLIN PARK, WANGURI

Mazlin Park, Wanguri as a matter of priority. The petition also requested that Council undertake consultation with the community prior to selecting the new playground equipment for the upgrade.

The 2016/17 shade program and playground refurbishment program are currently under procurement.

The Mazlin Park playground is currently identified for an upgrade in the 2017/18 program. This upgrade will include the provision of new equipment and shade.

Given the time it will take for community consultation, selection, equipment delivery and construction, including the wet season a realistic timeframe for delivery would push the refurbishment out to July 2017. Therefore it is not recommended to amend the current program.

It is recommended that community consultation should be undertaken in 2016, and selection be completed by April 2017. A tentative program for the works is identified below.

Program	Completion
Community Consultation	October 2016
Selection	June 2017
Delivery and Construction	July 2017

CONSULTATION PROCESS

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

- Manager Capital Works
- Senior Community Engagement Officer
- Team Coordinator Parks & Reserves
- Manager Recreation, Events & Customer Services

Community Consultation Process:

Prior to undertaking a playground refurbishment at Mazlin Park, City of Darwin will undertake a Level 2 consultation in line with its Community Consultation Policy. This will determine the local community's aspirations for what types of play equipment will be provided within the park.

Consultation methods may include but are not limited to, letter drops to residents within 250 metres of the playground, signage erected at the playground advising of the planned refurbishment and a dedicated page for the consultation on the City of Darwin's website.

PAGE: 4
 REPORT NUMBER: 16TS0138 NK:jg
 SUBJECT: PETITION - PLAYGROUND AND SHADE STRUCTURE UPGRADE -
 MAZLIN PARK, WANGURI

POLICY IMPLICATIONS

Policy 025 Community Consultation identifies and guides the level of consultation that is appropriate for this project.

BUDGET AND RESOURCE IMPLICATIONS

City of Darwin's long term financial plan identifies an ongoing sum of \$100,000 and \$940,000 for the refurbishment of playgrounds and provision of playground shade structures respectively. The figures are subject to annual budget considerations.

Refurbishment of Mazlin Park playground would require a budget in the order of \$60,000, and is planned for the 2017/18 budget deliberations.

RISK/LEGAL/LEGISLATIVE IMPLICATIONS

There is a risk that the petition organisers will not agree to the timing for the works as identified in the report.

ENVIRONMENTAL IMPLICATIONS

Provision of shade, both artificial and natural, is an important consideration in the delivery of open space assets that meet community needs. By providing play equipment that is shaded throughout the day it increases the potential use of that play equipment and provides sun smart and active play opportunities whilst protecting the community from the affects of UV rays.

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.

NIK KLEINE
MANAGER CAPITAL WORKS

LUCCIO CERCARELLI
GENERAL MANAGER
INFRASTRUCTURE

For enquiries, please contact Nik Kleine on 8930 0586 or email:
 n.kleine@darwin.nt.gov.au.

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

AGENDA ITEM: 10.1.4

WEST LANE TRAFFIC MANAGEMENT

REPORT No.: 16TS0143 NN:lf

COMMON No.: 2116605

DATE: 23/08/2016

Presenter: Manager Technical Services, Nadine Nilon

Approved: General Manager Infrastructure, Luccio Cercarelli

PURPOSE

The purpose of this report is to present for Council's endorsement, a concept proposal to implement two-way vehicle traffic flows at the Bennett Street end of West Lane in order to alleviate current traffic issues in the general vicinity.

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

- West Lane currently has one-way traffic flow from Bennett Street to Knuckey Street.
- Recent developments, including the Charles Darwin Centre, have increased traffic flows along West Lane and into Knuckey Street.
- The increased traffic flows have resulting in increased traffic at the Knuckey Street/Mitchell Street signalised intersection.
- Two-way traffic flow was considered at the time of the Charles Darwin Centre development, from which the road was widened to accommodate the potential future need for two lanes of traffic.
- It is recommended that two-way vehicular traffic flow along West Lane, up to the entrance to the Charles Darwin Centre car park, be implemented to alleviate current traffic issues in the area.
- Traffic signals impacted by the changes will have their phases modified to suit the changed traffic conditions.

PAGE: 2
 REPORT NUMBER: 16TS0143 NN:lf
 SUBJECT: WEST LANE TRAFFIC MANAGEMENT

RECOMMENDATIONS

THAT it be a recommendation to Council:-

- A. THAT Report Number 16TS0143 NN:lf entitled West Lane Traffic Management, be received and noted.
- B. THAT two-way vehicular traffic flow be implemented along West Lane, from Bennett Street to the entrance of the Charles Darwin Centre car park, as shown at **Attachment A**, subject to detailed design, to Report Number 16TS0143 NN:lf entitled West Lane Traffic Management and that these works be constructed as soon as possible.
- C. THAT Council write to all affected property owners and tenants along Bennett Street and that information of the changed traffic conditions are provided on the City of Darwin website.

BACKGROUND

West Lane operates as a service and access road for properties adjacent West Lane, including the Charles Darwin Centre, West Lane Car Park, Hilton Hotel, The Galleria, and a residential apartment building along West Lane.

The traffic volumes at peak periods are resulting in delays to the flow of traffic along West Lane and are impacting on Knuckey Street and adjacent intersections.

It is recommended that two-way vehicular traffic flow be implemented along West Lane, from Bennett Street to the entrance to the Charles Darwin Centre, in order to alleviate the traffic issues.

DISCUSSION

Following the completion of the Charles Darwin Centre and the residential apartment building along West Lane, vehicular traffic along West Lane has increased.

The increased traffic flows have resulted in traffic congestion and delays predominantly along Knuckey Street, where there are three signalised intersections and West Lane itself. Of particular concern is the impact of the traffic at the Mitchell Street/Knuckey Street signalised intersection.

Two-way vehicular traffic flows has been investigated for implementation along West Lane, from Bennett Street to the Charles Darwin Centre car park. The investigation and traffic modelling has shown that there would be reduced traffic flow to Knuckey Street, allowing the traffic volumes to be spread across the two intersections.

In order to facilitate the two-way flow described above, some minor changes are required along Bennett Street. These include a new dedicated right-turn lane along Bennett Street into West Lane, associated lane width and configuration changes, and new/extended line-marked traffic islands. All existing car parking will be retained.

PAGE: 3
 REPORT NUMBER: 16TS0143 NN:lf
 SUBJECT: WEST LANE TRAFFIC MANAGEMENT

A left turn only arrangement from West Lane into Bennett Street is required, as a right turn out of West Lane is not considered safe due to limited sight distance from the “blind corner” where Bennett Street meets Mitchell Street.

A concept design showing the two-way flow configuration proposal along West Lane and the required changes along Bennett Street is provided at **Attachment A** to this report. It is recommended that Council endorse this arrangement for implementation.

The impact of the changes, as proposed, result in reduced delay times and queue lengths out of West Lane at Knuckey Street, and a reduction in delays and queues at the Knuckey Street intersection of Mitchell Street.

CONSULTATION PROCESS

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

- Civil Engineering Officer

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

- Cardno (NT) Pty Ltd

It is recommended that Council write to all property owners along Bennett Street and tenants of the Charles Darwin Centre about the proposed changes and that information be provided on the City of Darwin website.

Paspaley Pearls Properties Pty Ltd has been consulted in relation to the proposed changes.

POLICY IMPLICATIONS

Nil

BUDGET AND RESOURCE IMPLICATIONS

The implementation of the proposed works will be managed within existing budgets.

RISK/LEGAL/LEGISLATIVE IMPLICATIONS

The implementation of the proposed road changes is in line with Council’s aim to provide a safe road network for all road users.

ENVIRONMENTAL IMPLICATIONS

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

PAGE: 4
REPORT NUMBER: 16TS0143 NN:lf
SUBJECT: WEST LANE TRAFFIC MANAGEMENT

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.

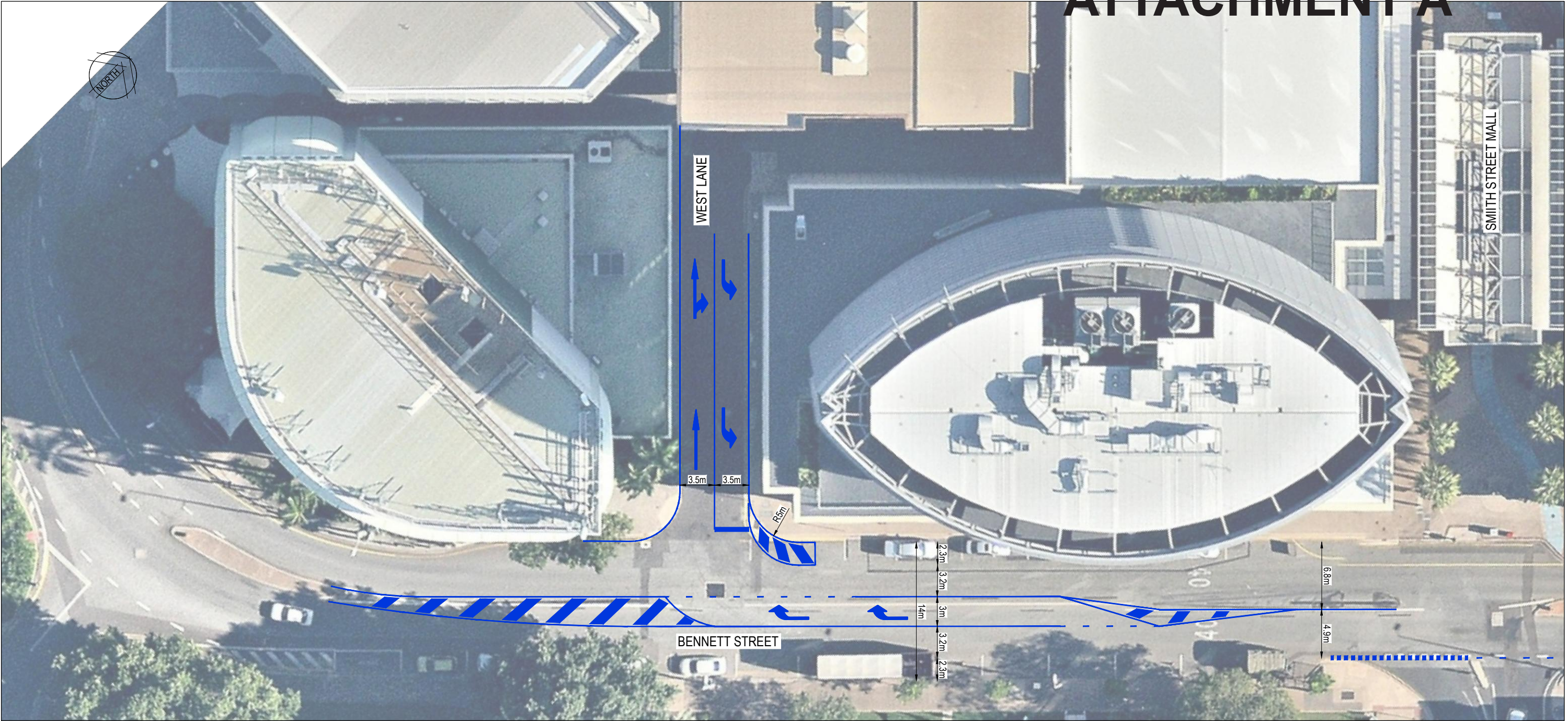
NADINE NILON
MANAGER TECHNICAL
SERVICES

LUCCIO CERCARELLI
GENERAL MANAGER
INFRASTRUCTURE

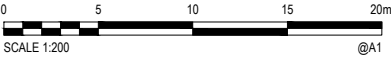
For enquiries, please contact Nadine Nilon on 8930 0417 or email:
n.nilon@darwin.nt.gov.au.

Attachments:

Attachment A: Plan of proposed two-way along West Lane and Bennett Street
Amendments



PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION PURPOSES



AMENDMENTS			
No.	DESCRIPTION	DATE	INITIAL
A	ISSUED FOR INFORMATION	16/08/16	DB

WARNING
ALL REASONABLE CARE HAS BEEN TAKEN TO ACCURATELY SHOW THE POSITION OF EXISTING SERVICES. HOWEVER, THE POSITION OF SUCH SERVICES SHOULD BE PROVEN ON SITE AND NO GUARANTEE CAN BE GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

© Cardno Limited All Rights Reserved.
This document is produced by Cardno Limited solely for the benefit of and use by the client in accordance with the terms of the retainer. Cardno Limited does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.



Cardno
Shaping the Future
Cardno (NT) Pty Ltd | ABN 78 078 713 934
Level 6, 93 Mitchell Street
Darwin NT 0810
Tel: 08 8942 8200 Fax: 08 8942 8211
Web: www.cardno.com.au

DRAWN JC	DESIGNED JC
SCALE 1:200 (A1)	CHECKED DB/TFR
APPROVED -	DATE AUG 2016
	SHEET 5 OF -

BENNETT STREET-WEST LANE & BENNETT-SMITH STREET INTERSECTIONS	
PROPOSED TWO-WAY FLOW ON WEST LANE & BENNETT STREET AMENDMENTS	
SHEET SIZE A1	DRAWING No. DC1601-01-SK05 AMENDT. A



OPEN SECTION

E&I8/6

Environment & Infrastructure Committee Meeting – Tuesday, 23 August 2016

10.2 OFFICERS REPORTS (RECEIVE & NOTE)

Nil

OPEN SECTION

E&I8/7

Environment & Infrastructure Committee Meeting – Tuesday, 23 August 2016

11. INFORMATION ITEMS

Nil

12. GENERAL BUSINESS

Nil

13. CLOSURE OF MEETING