

Department of INFRASTRUCTURE, PLANNING and LOGISTICS

# NT Shared Path Review

Outcomes Summary

2023-33



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# 1.

## INTRODUCTION

The Department of Infrastructure, Planning and Logistics (DIPL) has undertaken a review of Northern Territory Government (NTG) owned shared paths across Greater Darwin, Katherine, Tennant Creek and Alice Springs.

Shared paths are important community assets and allow pedestrians, cyclists and mobility device users to move safely and efficiently around our cities and towns.

There is a growing demand for high quality shared path infrastructure across the Territory, with residents wanting a higher level of connectivity between work, home and other key destinations.

The recommendations of the review, which are outlined in this document, identify and prioritise path improvements that meet the needs of cyclists, mobility device users and pedestrians now and into the future. This document will serve as a guide over the next 10 years to ensure community needs are at the forefront of decision making.



# 2. ←

## SCOPE

**The purpose of the NT Shared Path Review 2023-2033 was to assess the existing NTG owned shared path networks and provide recommendations for:**

- » improvements to existing shared paths
- » enhanced connectivity and network extensions between the existing network including between NTG roads and local government roads
- » long term planning, monitoring and review.

**This was guided by the following key considerations:**

- » routes that efficiently, effectively and safely service and connect to the current path network
- » provision of connections to key attractions including sporting, recreational and shopping facilities and tourist attractions
- » develop a clear and concise network of routes to encourage cyclists and pedestrians by providing safer and more convenient routes
- » define gaps in service and plans for future growth corridors
- » enhance connections to the existing and planned future local government networks
- » encouraging a more active population through the increase in attractive active transport options.

**A range of existing literature was reviewed to ensure the recommendations of this review are aligned or complementary to existing strategies and plans. This included:**

- » Greater Darwin Regional Land Use Plan – Towards 2030
- » City of Darwin City Centre Master Plan
- » Darwin Regional Transport Plan 2018
- » Municipal plans
- » Towards Zero Action Plan 2018 – 2022.

In the Territory's towns and urban areas, responsibility for maintaining and upgrading shared paths is divided between NTG and local government. The review covered some connections to shared paths on local government roads with identified improvements limited to NTG shared paths.



# 3.

## REVIEW PROCESS AND CONSULTATION

The review broadly included five key steps:

### PRELIMINARY REVIEW

- » Review background documents including design guidelines, existing plans, bicycle surveys, cyclist counts and crash data
- » Site inspections to understand network gaps, path connectivity, safety issues, identify required repair work and overall path condition

### STAGE ONE CONSULTATION

- » Consulting with stakeholders and the community in all four locations to seek feedback and ideas
- » This included meetings, hardcopy and online surveys, interactive maps and workshops

### ENGINEERING AND TECHNICAL ASSESSMENTS

- » Identify a priority order of improvements based on stakeholder and community feedback and a multi criteria analysis

### STAGE TWO CONSULTATION

- » Re-engage with stakeholders and the community to present a list of infrastructure gaps and proposed improvements
- » Seek feedback on whether the proposals align with expectations and needs

### FINALISE REVIEW

- » Develop a prioritised list of recommendations for each location based on consultation and a multi criteria assessment
- » Release an outcomes summary detailing each recommendation

**Stakeholder and community consultation was a crucial part of the review.**

The feedback from Territorians ensures the outcome of the review meets the community's needs. Consultation was conducted with a broad range of organisations, groups and community members including:



Government departments



Local governments



Interested private sector organisations



Bicycle and running organisations and groups



Schools



Special interest groups



General community

Stage one consultation involved raising awareness of the project through the provision of information and summarising how people could provide their thoughts and suggestions.

Following stage one consultation, all of the information gathered to date helped inform a draft proposal which was used as the basis for stage two. Stage two focussed on re-engaging with stakeholders and the community to collect feedback on the linkages and network expansions presented in the draft proposal. It sought to confirm whether the proposal aligned with stakeholder and community aspirations.

Community members who completed a survey ranked safety, connectivity and infrastructure quality as the most important components of a shared path. In Greater Darwin, the most popular improvement was a connection along the Stuart Highway from Coolalinga to Arnhem Highway. This was closely followed by a connection to Garramilla Boulevard from the Stuart Highway. In Alice Springs, the community voted in favour of a new path along Ross Highway between Ragonesi Road and the Emily and Jessie Gaps road access, along with a path extension north of the Motor Vehicle Registry to connect to the mountain bike trails.

Across all four locations, 36 meetings were held and more than 800 surveys and map responses were received. Various consultation methods were used during both stages to ensure a range of opportunities for people to be involved in the process. The methods included:



Face to face meetings



Virtual meetings



Phone calls



Emails



Hard copy surveys



Online surveys



Interactive maps



Workshops

# 4. ←

## ASSESSMENT OF PRIORITIES

A multi criteria assessment was developed to rank each recommendation against criteria considered to provide value to the community. Each of the recommendations were given a score of high (3), medium (2) or low (1) for the following:



Safety



Community support



Improved connectivity



Bus stop connections



Identified on existing plans or programs



Links to existing education, health, tourism or commercial land uses



Network importance



Potential cost



# → 5.

## PROPOSED NETWORK IMPROVEMENTS

The review identified 118 improvements and upgrades. Improvements are grouped into short term, medium term and long term based on the multi criteria assessment. This will help ensure money is spent where it matters most for Territorians by considering the community's views and aspirations in decision making.

Delivery timeframes serve as a guide whilst still allowing for delivery efficiency and alignment with other DIPL priorities and projects. Priorities may change if a project forms part of a larger infrastructure upgrade.



# 5.1

## GREATER DARWIN



# LEGEND

- Upgrade Reference number
- Shared Path Upgrade
- Road
- Water





### LEGEND

- Upgrade Reference number
- Shared Path Upgrade
- Road
- Water

## Greater Darwin upgrades

Map Ref	Timeframe	Location	Work Detail
1	Short Term	Stuart Highway from Coolalinga to Arnhem Highway	Extend the Stuart Highway path from Coolalinga to Arnhem Highway, then along Arnhem Highway to connect to Freds Pass Road
2	Short Term	Bagot Road from Nightcliff Road to Stuart Highway	Provide a dedicated shared path which is separated from the road
3	Short Term	Amy Johnson Avenue between Stuart Highway and McMillans Road	Extend the path along Amy Johnson Avenue to provide connection between the points where the existing paths terminate at the Stuart Highway and McMillans Road ends
4	Short Term	Stuart Highway - Bus Stop 176 Kerry Mazda - Bus Stop 103 Stuart Park - Bus Stop 104 St John College - Bus Stop 174 Parap Road	Provide formal crossing facility, median refuge and path connecting to the bus stop to promote safe use of the facility
5	Short Term	Bagot Road - Fitzer Drive Intersection	Install refuge for pedestrians and cyclists
6	Short Term	Stuart Highway - Girraween Road	The network at the Stuart Highway Service Road ends before the intersection with Girraween Road. Connection point with possible future extension at Girraween Road
7	Short Term	Howard Springs Road	Extend the existing Howard Springs Road path from Whitewood Road to connect to Howard Springs Nature Reserve. This will provide a safe access option and connectivity to the Pine Forrest on Howard Springs Road
8	Short Term	McMillans Road North Lakes Shopping Centre	Provide crossing point to connect existing path
9	Short Term	Tiger Brennan Drive to Palmerston	Extend the path along Tiger Brennan Drive to the existing TBD path network
10	Medium Term	Stuart Highway from Coolalinga to Freds Pass Reserve	Provide a path from Coolalinga along the western side of the Stuart Highway to the Freds Pass Sporting complex to provide a safe route for school children attending sporting activities
11	Medium Term	Chung Wah Terrace - approximately 120m north of Catchlove Street	Provide crossing with central median to connect paths on both sides of the road
12	Medium Term	Stuart Highway between Bagot Road and McMillans Road	Improve connectivity to the southern side of Stuart Highway including crossing points for bus users and shared path users who wish to access Winnellie. Replace the water bubbler

## Greater Darwin upgrades - continued

Map Ref	Timeframe	Location	Work Detail
13	Medium Term	McMillans Road between Carnoustie Court and North Lakes Shopping Centre	Provide path on the southern section of McMillans Road to provide a safer route from the existing housing on McMillans Road to the shopping centre
14	Medium Term	Stuart Highway from Daly Street Bridge access to the CBD	Provide barrier between the path and the road and increase path width to 2.5m on both sides of the bridge
15	Medium Term	Darwin-Palmerston Intercity Bike Path/Garramilla Boulevard	Provide connection to existing network including connection to Garramilla Boulevard
16	Medium Term	Trower Road/Alawa Crescent Intersection	Install refuge for pedestrians and cyclists
17	Medium Term	Kirkland Road between Woodlake Boulevard and Elrundie Avenue	Extend the network along Kirkland Road and provide crossing facilities at Elrundie Avenue roundabout
18	Medium Term	Stuart Highway/Ross Smith Avenue Intersection	Provide crossing facilities at the intersection
19	Medium Term	Trower Road/Styles Street Intersection	Install refuge for pedestrians and cyclists
20	Medium Term	Vanderlin Drive/Calytrix Road	Extend the path on Calytrix Road and provide crossing facilities to connect with the Vanderlin Drive bike path to provide additional access to the school and surrounding housing
21	Medium Term	Roystonea Avenue between University Avenue and Temple Terrace	Extend the path along Roystonea Avenue to Temple Terrace to connect gap within the network
22	Medium Term	Arnhem Highway from Stuart Highway to Freds Pass Road	Provide a path from Stuart Highway/Arnhem Highway intersection to Freds Pass Road for greater connectivity in the rural area
23	Medium Term	Stuart Highway between Nylander Street and Goyder Road	Continue the path along the Stuart Highway and connect to the existing path at Goyder Road
24	Medium Term	Trower Road Bus Stop 167 - between Nightcliff Road/Sabine Road intersections	Install a signalised pedestrian crossing and median treatments to encourage safe crossing
25	Medium Term	University Avenue Bus Stop 350	Provide formal crossing facility, median refuge and path connecting to the bus stop to promote safe use of the facility

## Greater Darwin upgrades - continued

26	Medium Term	Vanderlin Drive - Bus Stop 144 - Bus Stop 118	Provide formal crossing facility and path connecting to the bus stops to promote safe use of the facility
27	Medium Term	Casuarina Coastal Reserve - Trower Road roundabout	Provide a new/upgraded path to improve connectivity between existing paths
28	Medium Term	Trower Road Casuarina Senior College Bus Stop 050	Install a signalised pedestrian crossing and median treatments to encourage safe crossing. Suggested to be installed at Rothdale Road intersection
29	Medium Term	McMillans Road Charles Eaton Drive - Goodstart Early Learning Darwin	Extend the path along Charles Eaton Drive and provide connection to Goodstart Early Learning to provide connectivity from McMillans Road path network into the back end of the airport
30	Medium Term	Trower Road near Red Rooster	Align the ramps to each other and the median. Monitor path and if cracking deteriorates, replace path section
31	Medium Term	McMillans Road at the Darwin General Cemetery access road	Realign the paths to make use of the median islands including at grade crossings, pram ramps and signage
32	Medium Term	University Avenue/Kriewaldt Circuit Intersection	Provide appropriate crossings across University Avenue
33	Medium Term	Trower Road Northern Access to Casuarina open carpark	Align the ramps to the crossing point
34	Medium Term	Stuart Highway/Salonika Street intersection	Improve the path configuration to provide a safer area for path users and trim plants regularly
35	Medium Term	University Avenue/Skeahan Drive intersection	Provide crossing point. Potential for this to be a combined crossing to also access Bus Stop 350
36	Medium Term	Stuart Highway Service Road- Amaroo Road	Extend the path to support community housing development
37	Medium Term	Tivendale Road between Stuart Highway and Tiger Brennan Drive	Construct a new path along Tivendale Road for the full length between Stuart Highway and TBD to provide connectivity to the industrial area between the Stuart Highway and extended TBD paths
38	Medium Term	Channel Island Road	Extend the path along Channel Island Road to the boat ramp and fishing platforms
39	Medium Term	Channel Island Road between Roystonea Avenue and Chung Wah Terrace	Extend the path along Channel Island Road to connect with Chung Wah Terrace
40	Medium Term	Vanderlin Drive - Bus Stop 280 - Bus Stop 281	Provide formal crossing facility, median refuge and path connecting to the bus stops to promote safe use of the facility

## Greater Darwin upgrades - continued

Map Ref	Timeframe	Location	Work Detail
41	Medium Term	Stuart Highway/Goyder Road intersection	Reconstruct pram ramps at all approaches and install medians to provide at grade crossings
42	Medium Term	McMinn Street/Frances Bay Drive roundabout	Improve crossing points to provide all way crossing at the roundabout
43	Medium Term	Stuart Highway/McMinn Street intersection	Reconstruct pram ramps at all approaches and cut medians at grade crossings
44	Medium Term	Stuart Highway/Parap Road intersection	Provide appropriate crossing points at the intersection to connect the path networks
45	Medium Term	Stuart Highway/Virginia Road	Improve provisions for pedestrians including crossing points from all destinations to access the bus stop
46	Medium Term	McMillans Road/Vanderlin Drive intersection	Provide all way crossings at the intersection
47	Medium Term	McMillans Road between Malak Caravan Park and Amy Johnson Avenue	Provide a new path along the southern side of McMillans Road to provide connectivity to bus stops and adjacent key attractors
48	Long Term	Roystonea Avenue between Channel Island Road and Owston Avenue	Extend the path along Roystonea Avenue to connect with Owston Avenue
49	Long Term	Amy Johnson Avenue between Tiger Brennan Drive and Stuart Highway	Provide path connection between Tiger Brennan Drive and Stuart Highway to provide connectivity to the TBD shared path network. This is to include upgrade of the crossing points at both the Stuart Highway and Tiger Brennan Drive signals
50	Long Term	Vanderlin Drive adjacent Klein Street	Replace the pram ramp and provide connection to existing path
51	Long Term	Vanderlin Drive Bus Stop 283	Provide formal crossing facility, median refuge and path connecting to the bus stop to promote safe use of the facility
52	Long Term	Elrundie Avenue/Driver Avenue intersection	Reconstruct path to remove bend and provide warning signage of the road
53	Long Term	Vanderlin Drive/Leanyer Drive intersection	Improve path width to complete turning manoeuvres especially for cyclists and wheelchairs. Widening to be continued to crossing point within Leanyer Drive

## Greater Darwin upgrades - continued

54	Long Term	McMillans Road/Lee Point Road/McMillans Service Road	Provide crossing point to connect existing path and widen the path
55	Long Term	McMillans Road - Carnoustie Circuit	Provide crossing point to connect existing path
56	Long Term	Stuart Highway Puma Knuckey Lagoon Petrol Station access and exit road - approximately 110m east of Vanderlin Drive intersection	Reconstruct the pram ramps to align them to each other Reconstruct the path as necessary to suit
57	Long Term	McMillans Road/Rapid Creek Road intersection	Realign the paths to make use of the median islands including at grade crossings, pram ramps and signage
58	Long Term	McMillans Road/Sabine Road	Provide direct crossing at Sabine Road to connect the path segments
59	Long Term	Vanderlin Drive Shoal Bay access	Provide a path connecting from Vanderlin Drive shared path to Holmes Jungle Reserve
60	Long Term	University Avenue between Chung Wah Terrace and Roystonea Avenue	Provide appropriate crossings across University Avenue
61	Long Term	Arnhem Highway between Freds Pass Road and Hayball Road	Upgrade to above water level when it rains
62	Long Term	Stuart Highway between Bagot Road and Shiers Street	Provide crossing point and connect to existing path
63	Long Term	Hughes Avenue/Esplanade	Provide crossing facilities and connectivity to existing network
64	Long Term	Vanderlin Drive near Shoal Bay Access Road - local path that connects to Wearing Crescent	Provide connection to the local network and appropriate crossing point including pram ramp, signage and median treatment
65	Long Term	University Avenue/Elrundie Avenue/Kirkland Road roundabout	Improve connectivity to the south west of the roundabout and on Kirkland Road
66	Long Term	Woodlake Boulevard between Kirkland Road to TBD	Extend the path along Kirkland Road from Elrundie Avenue to Woodlake Boulevard
67	Long Term	Vanderlin Drive/access road to 'Zone Darwin'	Reconstruct the pram ramps to align to the crossing direction
68	Long Term	Mandorah Jetty (not shown on map)	Provide path connection to the jetty path

## Greater Darwin upgrades - continued

Map Ref	Timeframe	Location	Work Detail
69	Long Term	McMillans Road between Stevens Road and Farrar Road	Extend the off-road path along this section or provide an on-road path with appropriate signage and smoother surface. Provide streetlight
70	Long Term	McMillans Road approximately 330m North West from Farrar Road	Extend the off-road path along this section or provide an on-road path with appropriate signage and smoother surface. Provide streetlight
71	Long Term	Stuart Highway/Morgan Road	Improve provisions for pedestrians including crossing points from all destinations to access the bus stop
72	Long Term	University Avenue access to Charles Darwin University Palmerston Campus	Improve connectivity providing access to CDU and connections to existing network
73	Long Term	Berrimah Road/TBD shared path intersection	Provide provisions for pedestrians
74	Long Term	Berrimah Road between Tiger Brennan Drive and Marlow Road	Provide provision for pedestrians and extend the existing Berrimah Road path to the intersection with TBD
75	Long Term	McMillans Road/Farrar Road intersection	Reconstruct the path to provide a straighter approach
76	Long Term	Lambrick Avenue/Zuccoli Parade	Extend the path
77	Long Term	Temple Terrace/Chung Wah Terrace roundabout	Adjust crossing facility to the roundabout
78	Long Term	Stuart Highway/Amy Johnson Avenue intersection	Extend the path along Amy Johnson Avenue
79	Long Term	Berrimah Road between Cochrane Road and Darwin Port	Provide connection between Cochrane Road and Darwin Port

# 5.2

## KATHERINE





## LEGEND

- Upgrade Reference number
- Shared Path Upgrade
- Road
- Water

## Katherine upgrades

Map Ref	Timeframe	Location	Work Detail
1	Short Term	Stuart Highway between O'Shea Terrace and Chambers Drive	Provide a separated cycle treatment
2	Short Term	Giles Street/Gorge Road (Stuart Highway to Nitmiluk)	New path upgrades (staged)
3	Short Term	Ryan Park to CBD North	Provide a new crossing
4	Medium Term	Katherine Railway Bridge	Undertake Railway Bridge surface upgrade
5	Medium Term	Stuart Highway from Chambers Drive to Cyprus Street	Provide a shared use path and road crossings
6	Medium Term	Katherine River Low Level Crossing at Zimin Drive	Provide a new crossing
7	Long Term	First Street from Warburton Street to Lindsay Street	Undertake road safety improvements or provide a separated path
8	Long Term	Bicentennial Road from Victoria Highway to Stuart Highway	Provide a new path
9	Long Term	Tindal Airport path from Stuart Highway to Tindal Airport	Provide a path extension
10	Long Term	Fourth Street from Lindsay Street to O'Shea Terrace	Provide a separated path
11	Long Term	Victoria Highway from Zimin Drive to Stuart Highway	Undertake path upgrades
12	Low	Casuarina Street	Undertake path maintenance

### General Network Suggested Improvements

Short Term	General across network	Street lighting for intersections and along paths
Short Term	General across network	Wayfinding and interpretative messaging
Short Term	General across network	Tree planting
Medium Term	General across network	Rest stops and repair stations
Medium Term	General across network	Water bubblers

# 5.3

## TENNANT CREEK





## Tennant Creek upgrades

Map Ref	Timeframe	Location	Work Detail
1	Short Term	Stuart Highway from Standley Street to Blain Street	Provide a separated cycle path
2	Short Term	Stuart Highway from Ngalpa-Ngalpa to Blain Street	Provide path upgrades
3	Short Term	Stuart Highway from Standley Street to Tennant Creek Cemetery	Provide a new shared use path to the cemetery
4	Medium Term	Peko Road	Provide a new path
5	Medium Term	Lake Mary Ann path from Stuart Highway to Lake Mary Ann	Provide path protection from unauthorised vehicle use
6	Medium Term	Kaczynski Road from Stuart Highway to Peko Road	Provide new path

### General Network Suggested Improvements

Short Term	General across network	Street lighting for intersections and along paths
Short Term	General across network	Wayfinding and interpretative messaging
Short Term	General across network	Tree planting
Medium Term	General across network	Rest stops and repair stations
Medium Term	General across network	Water bubblers

# 5.4

## ALICE SPRINGS





## Alice Springs upgrades

Map Ref	Priority	Location	Work Detail
1	Short Term	Stuart Highway between Parson Street and Stott Terrace	Extend the eastbound path between Parson Street and Stott Terrace to provide connectivity to existing path on both sides of Stuart Highway
2	Short Term	Stuart Highway - Yirara College from bus stop	Provide connectivity to increase safety for students, staff and school visitors
3	Short Term	Palm Circuit from Stuart Highway to bus stop 1077	Provide connection between Stuart Highway and bus stop 1077 along Palm Circuit
4	Short Term	Stott Terrace between Sturt Terrace and Undoolya Road	Continue the path along Stott Terrace to connect with Undoolya Road and to important attractor points such as Charles Darwin University and the schools in the area
5	Short Term	Undoolya Road between Kurrajong Drive West and Kurrajong Drive East	Provide connection to the existing paths along Undoolya Road between Kurrajong Drive West and Kurrajong Drive East, or provide crossing points to connect to the existing network on the southbound
6	Short Term	Herbert Heritage Drive from Stuart Highway	Connection of Herbert Heritage Drive from Stuart Highway to the existing path on Herbert Heritage Drive
7	Short Term	Stuart Highway at Heavitree Gap	Provide a new path along the Stuart Highway through Heavitree Gap to increase safety for path users
8	Short Term	Stuart Highway/Ilparpa Road intersection	Extend path across Stuart Highway and connect to path on Ilparpa Road to complete the link
9	Medium Term	Ross Highway from Ragonesi Road to Emily Gap Access Road	Provide a new path along/adjacent to Ross Highway between Ragonesi Road and Emily and Jessie Gaps
10	Medium Term	Stuart Highway from Harris Avenue to connect to the airport	Connection to the airport to benefit staff and recreational riders and as a step to transform Alice Springs into a national bike riding attraction hub
11	Long Term	Stuart Highway from Motor Vehicle Registry	Extend the path from MVR approximately 5km north to connect with the with the mountain bike trails that connect to Stuart Highway



# 6. ←

## FUNDING OPPORTUNITIES

The Northern Territory Government is committed to improving the safe and efficient movement of pedestrians, cyclists and mobility device users in the Territory. Over the past five financial years, DIPL has spent an average of \$2.4 million each year on shared paths – this includes upgrading existing paths and creating new links.

The NT Shared Path Review will allow DIPL to direct its yearly funding to the places that create a safer and better connected network aligned with community aspirations.


# 7. ←

## MONITORING AND FURTHER REVIEW

DIPL reviews the shared path network to facilitate ongoing development and maintenance. Previous reviews for Greater Darwin were undertaken in 1995, 1999, 2004, 2010 and 2015. Katherine was reviewed in 2001 and Alice Springs in 2009.

DIPL will conduct another formal review in 10 years. At the five year mark, DIPL will assess the current strategies to monitor the priority list of improvements to understand:

- » Are the objectives of the review being achieved throughout the delivery phase?
- » Have circumstances changed that may influence updates to the scope or timing of recommended improvements?



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