

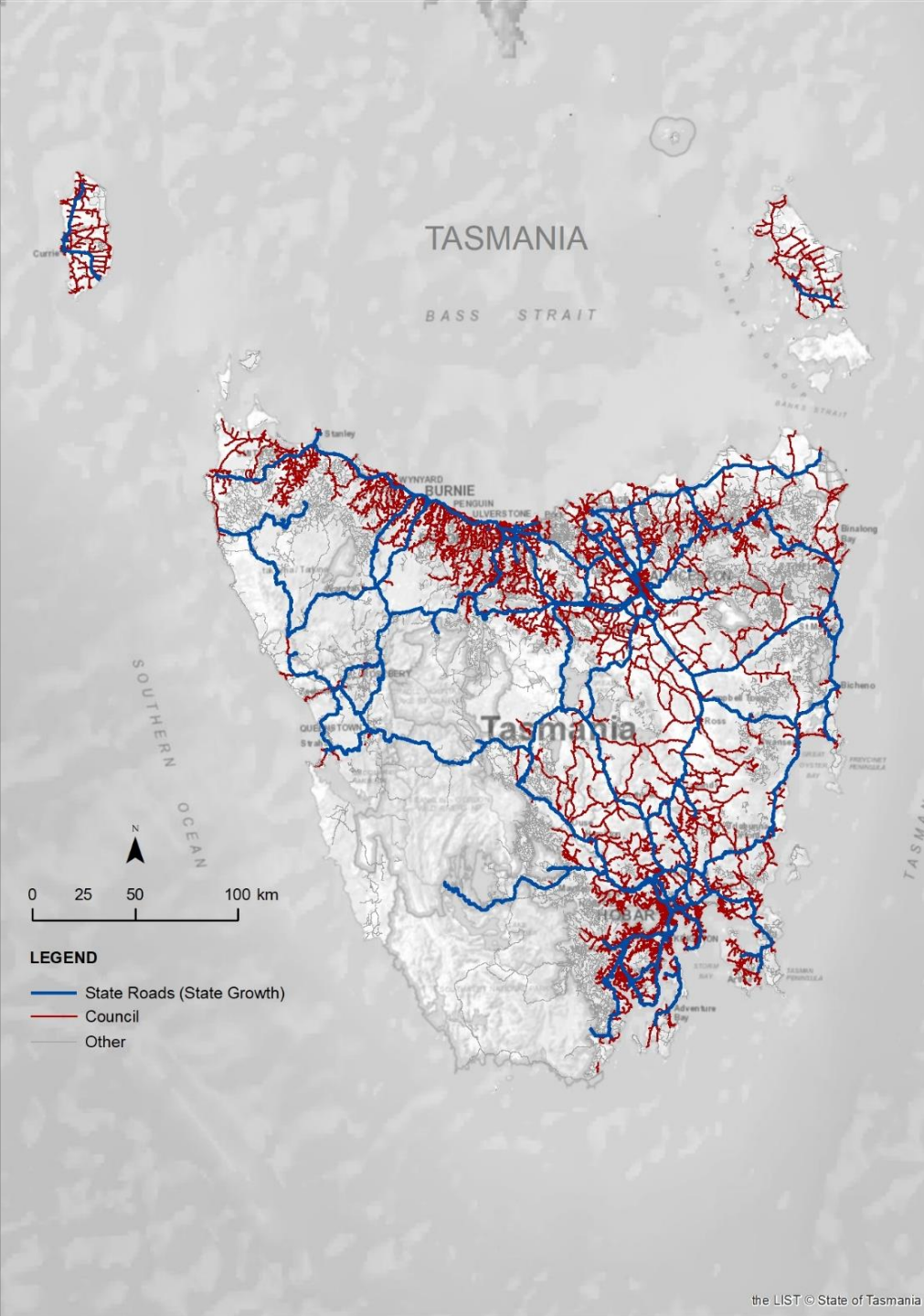


An aerial photograph of a winding, two-lane road that curves through a rural landscape. The road is light-colored, possibly gravel or light asphalt, and is flanked by green fields and scattered trees. Several vehicles are visible on the road, including a car and a truck. The overall scene is peaceful and scenic, typical of a countryside road in Tasmania.

**Who plans and designs roads in Tasmania?**







State Roads: 3800 km  
 Council Roads: 14000km  
 Other Roads: 6200km  
 incl. Forestry, Mining, and Hydro Roads

**Total: 24000km**



**Roads and Jetties Act 1935**



**Highways Act 1951**

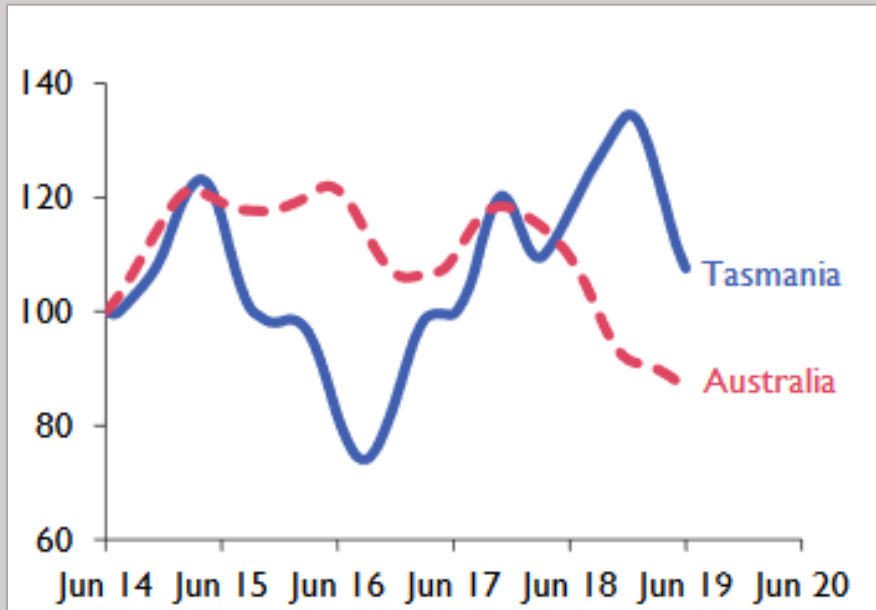


**Local Government (Highways)  
 Act 1982**



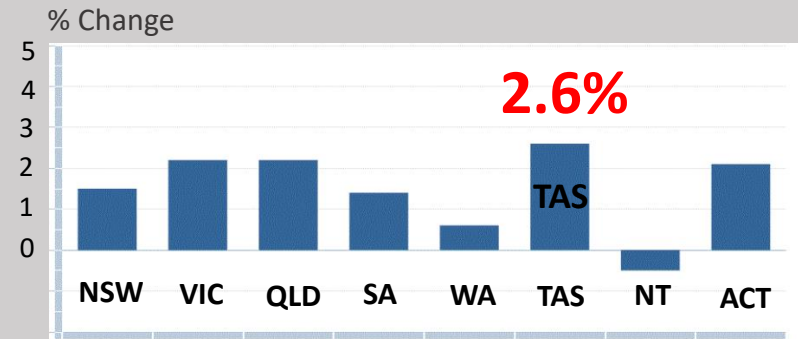
# Taking the Highway or the Walkway?

## Dwelling Unit Approvals Index



<https://www.treasury.tas.gov.au/Documents/Building-Approvals.pdf>

## Motor Vehicle Change 2018-2019



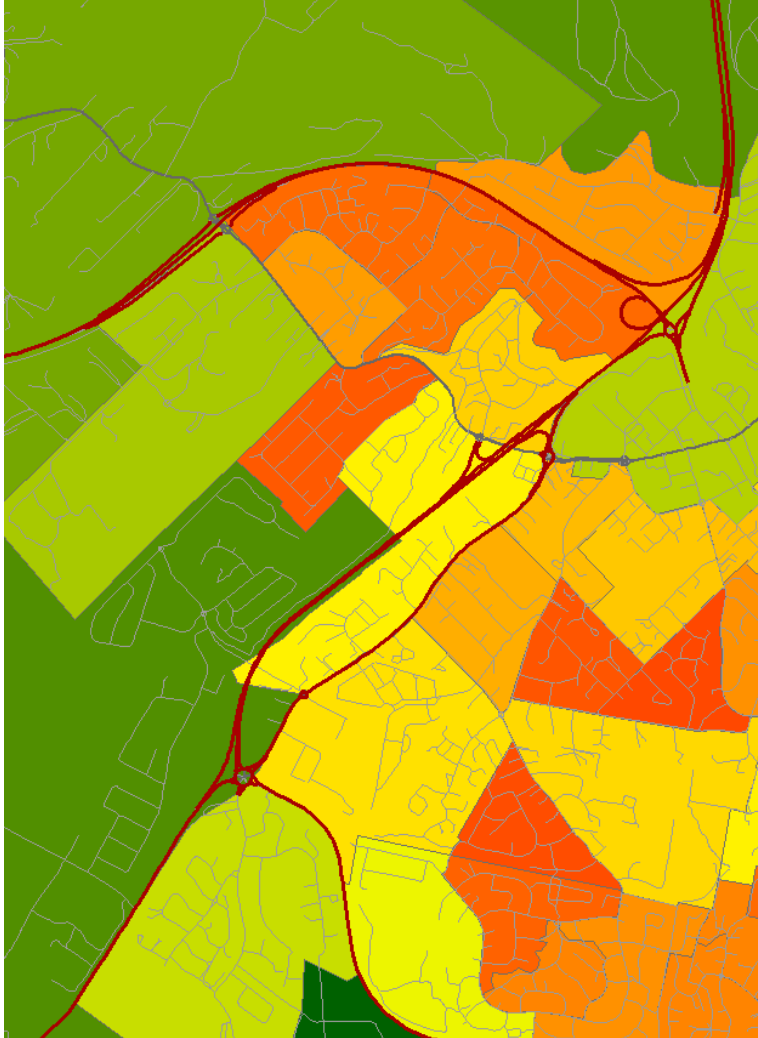
Source: <https://www.abs.gov.au>

# Taking the Highway or the Walkway?





# Taking the Highway or the Walkway?



Residential areas are moving closer to the highways  
and vice versa.

# Taking the Highway or the Walkway?



Residential areas are moving closer to the highways  
and vice versa.



# Taking the Highway or the Walkway?



Residential areas are moving closer to the highways and vice versa.

**Question:**

**What happens at the interface between State highways and local roads?**

# Taking the Highway or the Walkway?

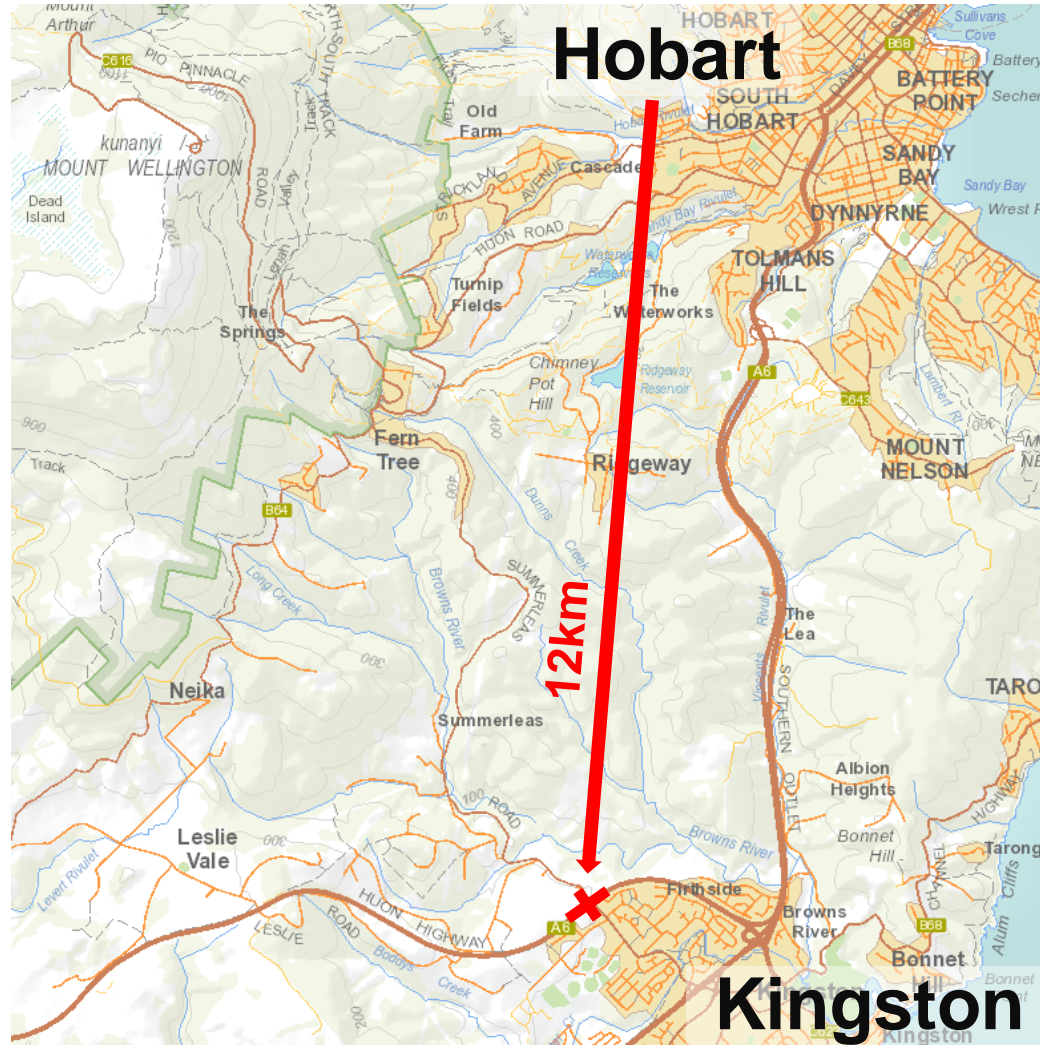


## Two Case Studies:

- Huon Hwy / Summerleas Road, Kingston
- Bass Hwy/ Stony Rise Road, Devonport



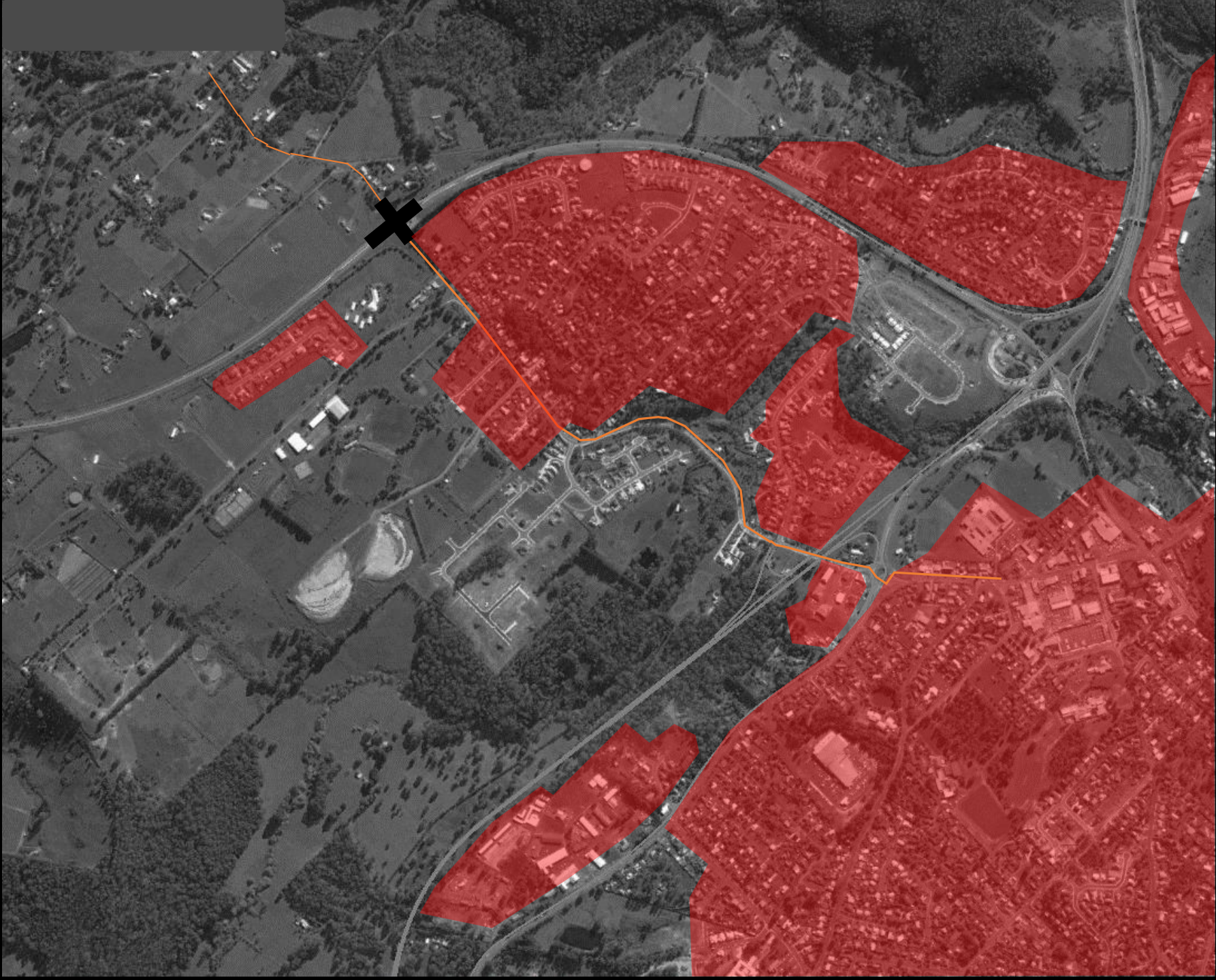
# Taking the Highway or the Walkway?



## Case Study I :

Huon Hwy/ Summerleas Road  
Intersection

2005





2013

Aerial Image: Google Earth





Today



Springfield Farm  
Subdivision







1980



Photo: State Growth Archive



2003

Aerial Image: Google Earth



Image © 2013 Mapbox Technologies



2018

Aerial Image: Google Earth





# Taking the Highway or the Walkway?

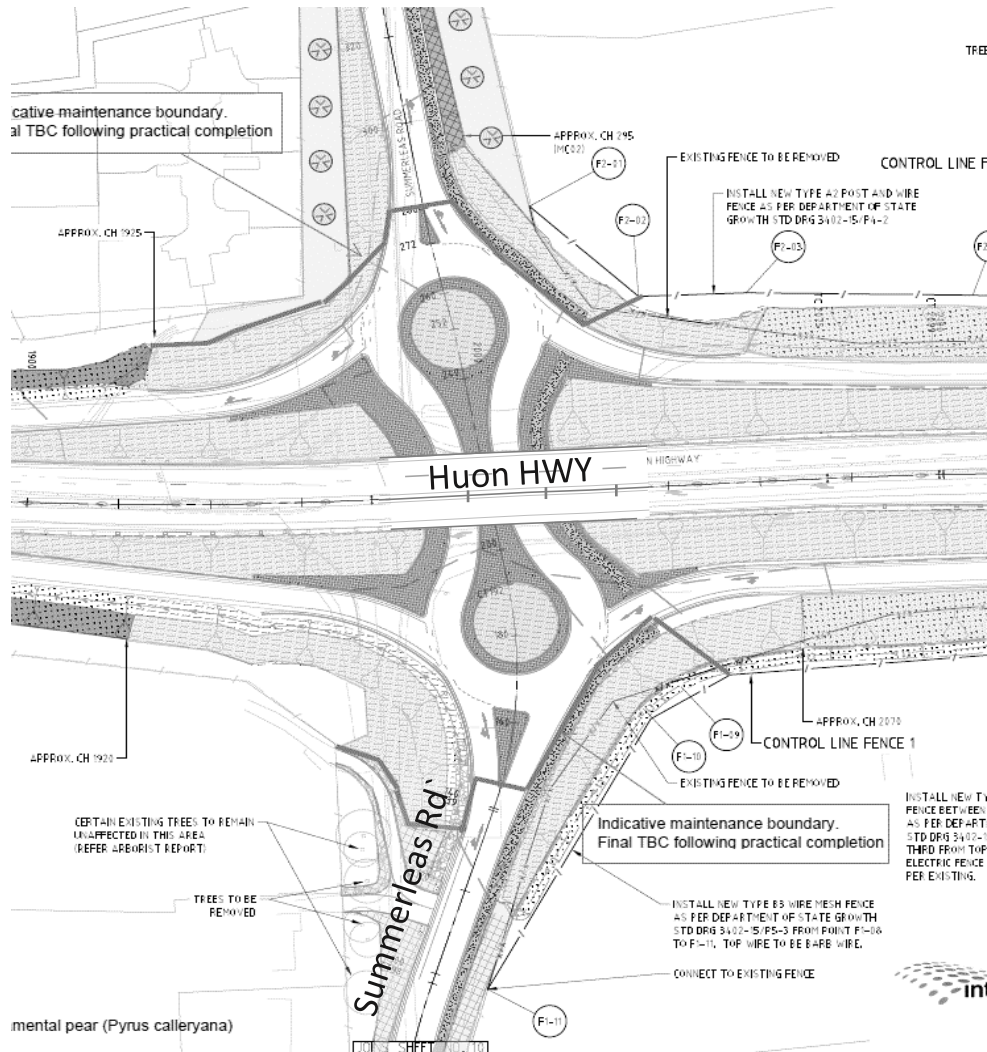


## What was the problem?

- Increase in traffic volume
- High number of accidents
- Black Spot intersection
- No crossing for pedestrians



# Taking the Highway or the Walkway?



## How was this addressed?

### Goal:

- Improved efficiency for southbound traffic
- Improve safety for all road users

### Implemented Changes:

- Grade separation (bridge and underpass)
- Widening of existing highway (overtaking lane)
- Installation of a flexible safety barrier
- Pedestrian and cycling facilities
- Some landscaping

# Taking the Highway or the Walkway?



## The Project

- Construction started in Jan 2017
- Completion in July 2018
- Cost: ~\$15 M
- Constructed by Vec Civil Engineering and Shaw Contracting
- Complex design with temporary works
- 35m 2 span T-beam and retaining walls
- Relocation of services and bus stops



















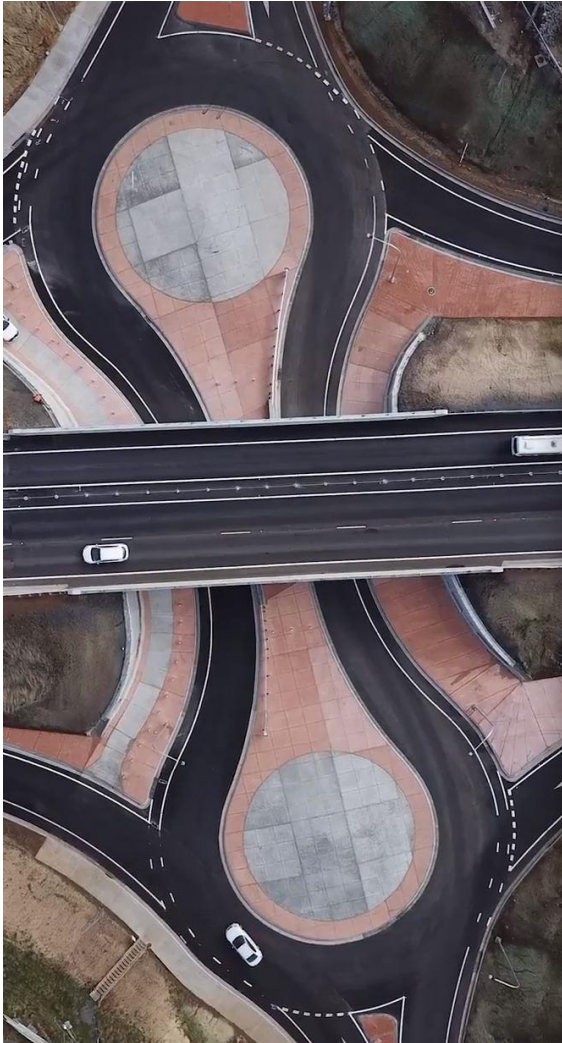








# Taking the Highway or the Walkway?



## Outcome

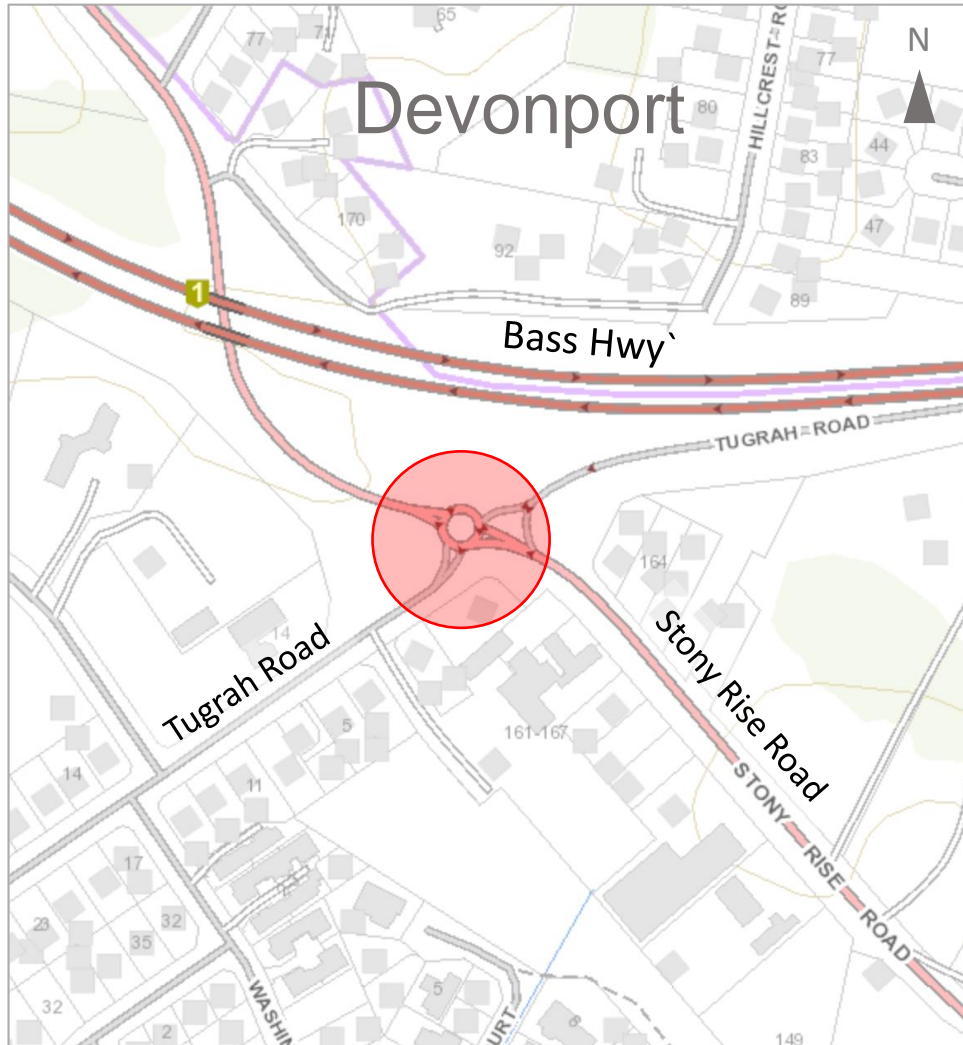
### Pros:

- New footpath (no pathway in the past)
- Wide and open
- Bollards for pedestrian safety

### Cons:

- Path on one side only, no continuation after the intersection
- Crossings not marked (e.g. zebra strip, colour change)
- The off-ramp has no warning of pedestrians crossing ahead
- Aesthetically it is stark and uninviting for pedestrians

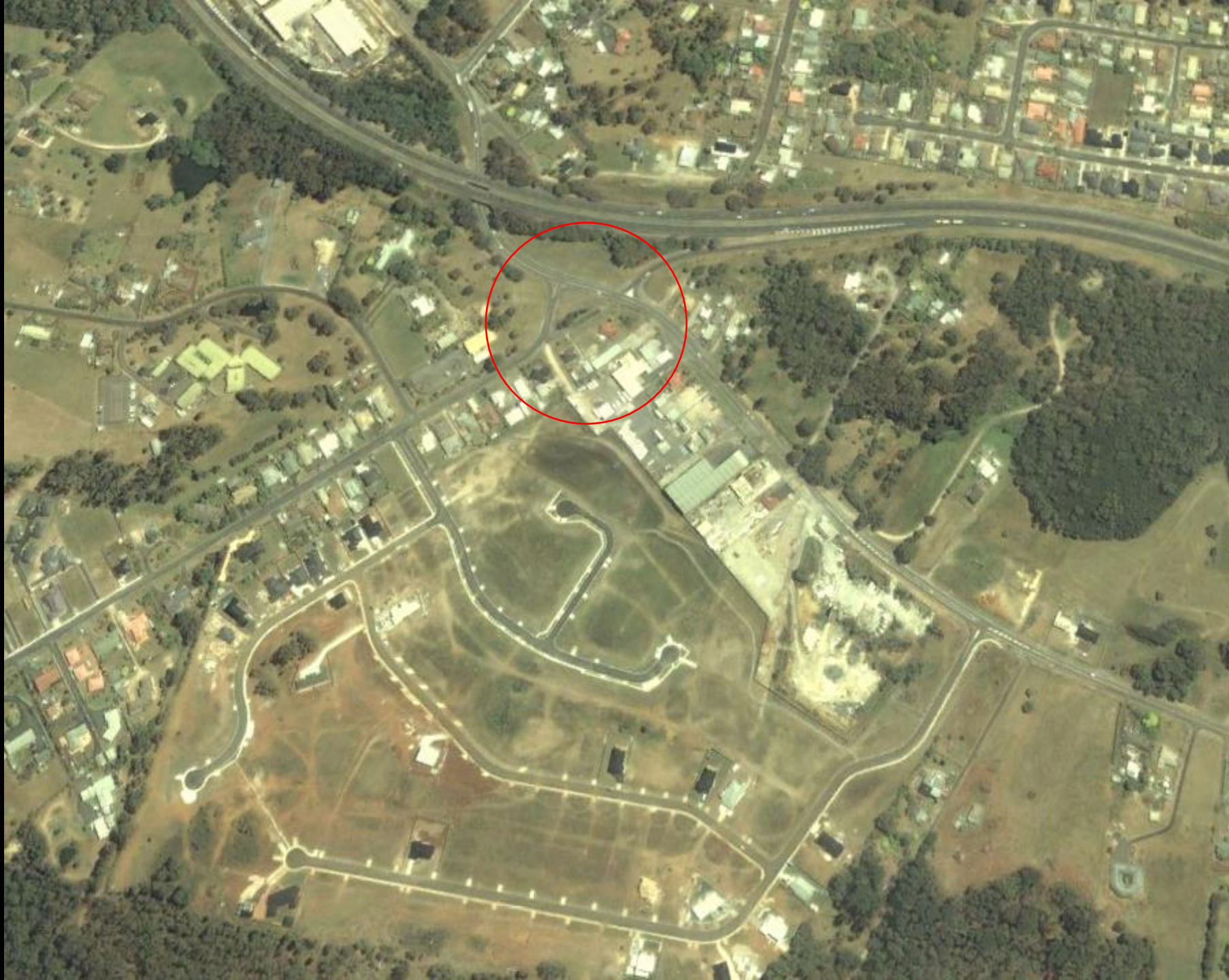




## Case Study 2:

Bass Hwy/ Stony Rise Road, Devonport

2007





Today



Source: <https://maps.thelist.tas.gov.au/list/map>



# Bass Hwy/ Stony Rise Road



## What was the problem?

- Bass Hwy off ramp
- High number of accidents
- No footpath

## Implemented Changes:

- Intersection replace with a safer roundabout
- Bass Hwy off-ramp integrated
- New footpath added later















# Taking the Highway or the Walkway?



## Outcome

### Pros:

- Extended pedestrian network
- Refuge islands at pedestrian crossings
- New bus stops planned

### Cons

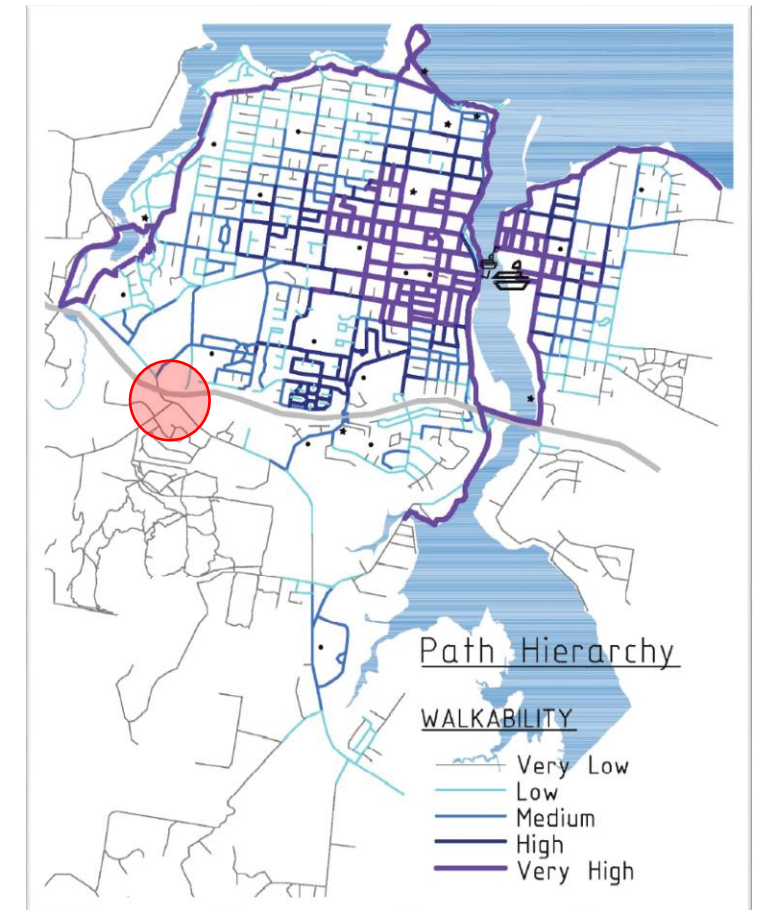
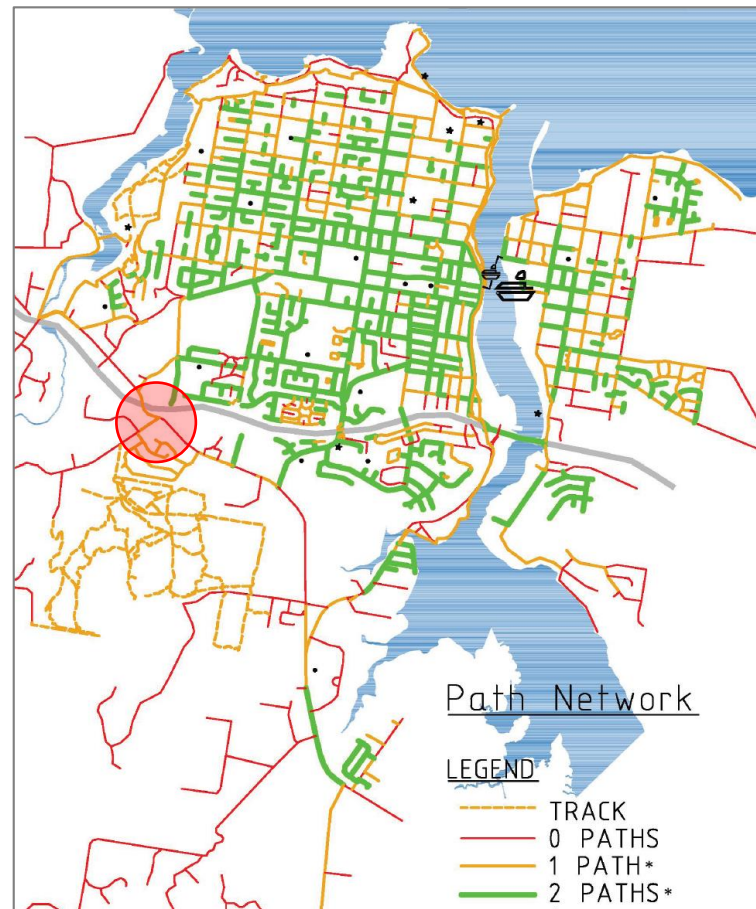
- Skewed roundabout layout for traffic flow
- No safe pedestrian crossings on slip lane
- Trucks (to depot etc.)
- Crossing for bus stop?



# Devonport Pedestrian Strategy

## Objective of the Pedestrian Strategy 2016-2021:

“To make walking in Devonport safe and convenient and to enable and encourage walking as a mode of transport.”





# AUSTROADS Planning and Design Guidelines

Guide to  
Introduction

Guide to Road Design Part 1  
Paths for Walking and Cycling

Cycling Aspects

Guide to Traffic Management Part 1  
Introduction to Traffic Management



Austroads

Research Report  
AP-R472A-18



Australasian Pedestrian Facility  
Selection Tool [V2.0]  
User Guide



# AUSTROADS Planning and Design Guidelines

Guide to  
Introduction

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Paths for Walking and Cycling

Cycling Aspects

Guide to Traffic Management Part 1  
Introduction to Traffic Management



Austroads

Research Report  
AP-R472A-18

**No single AUSTROADS design  
guideline for pedestrians**

Australasian Pedestrian Facility  
Selection Tool [V2.0]  
User Guide



# AUSTROADS Planning and Design Guidelines





# AUSTROADS Planning and Design Guidelines

## Guide to Traffic Management Series

**Part 3** - Includes pedestrian [counting methods](#), level of service and [audits](#).  
**Part 8** - Includes how to prepare a [Local Area Traffic Management plan](#).  
**Part 12** - Includes the pedestrian aspects to consider in a [Traffic Impact Assessment](#).

**Part 4** - Includes pedestrian and plans, management prin  
**Part 7** - Includes considerati  
Movement and Place case s  
**Part 12** - Includes the pedes  
Assessment.

**Part 4** - Includes pedestrian  
**Part 7** - Includes pedestrian  
**Part 8** - Includes pedestrian  
Management plans.  
**Part 11** - Includes guidance  
pedestrians and suggests m  
**Part 12** - Includes the pedes

**Part 5** - Includes space requirements for pedestrians, amenity  
considerations including streetscape treatments.  
**Part 6** - Includes guidance on pedestrian space allocation at intersections.  
**Part 7** - Includes pedestrian considerations in Activity Centres that may  
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**Part 8** - Includes pedestrian considerations in Local Area Traffic  
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**Part 11** - Includes guidance on parking policy and management to reduce  
need for parking and on-street parking space considerations.

**Part 4** - Includes pedestrian network principles.  
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**Part 6** - Includes pedestrian crossing types, selection considerations and  
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**Part 9** - Includes guidance on operating signalised crossings.  
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## Guide to Road Design Series

**Part 8** - Includes design process and documentation guidance.



Data Gathering  
& Studies

**Instead:**  
**A guide through the main guidelines**

**Stronger emphasis on pedestrians  
in all guidelines**



Pedestrian  
Paths

**Part 6A** - Includes design guidance on footpaths and shared  
paths and whether shared paths should be segregated in terms of  
walking and cycling.



Pedestrian  
Crossings

**Part 4** - Includes design information for pedestrian crossings.



Pedestrians at  
Intersections

**Part 4** - Includes general design information for pedestrians at  
intersections.

**Part 4A** - Includes design information for pedestrians at  
unsignalised and signalised intersections.

**Part 4B** - Includes design information for pedestrians at  
roundabouts.

**Part 4C** - Includes design information for pedestrians at  
interchanges.



Post  
Implementation

Australas

# AUSTROADS Planning and Design Guidelines

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Post  
Implementation

**More Details: <https://austroads.com.au/>**

Australas



# Taking the Highway or the Walkway?



AUSTROADS, Guide to Road Design Part 6A: Paths



AUSTROADS, Guide to Road Design Part 6A: Paths for Walking and





# Landscaped Roundabouts

## Australia



[www.northernstar.com.au/news/opinion-why-lismores-roundabouts-rule-the-region/2890309/](http://www.northernstar.com.au/news/opinion-why-lismores-roundabouts-rule-the-region/2890309/)

## UK



[www.plandscapes.co.uk/](http://www.plandscapes.co.uk/)

## Germany



<http://www.marienhagenpergenroth.de>

## Netherlands



<https://citynews.com.au/2015/gardening-from-spring-to-glorious-autumn/>

## Israel



[www.axelewald.com/compro-roundabout.html](http://www.axelewald.com/compro-roundabout.html)



## NZ



<https://www.stuff.co.nz/life-style/christmas/87792913/hamilton-city-council-spreads-christmas-cheer-in-roundabout-way>





**Rural Living**



**Natural, recreation**



**School, art, sports**



**Residential**

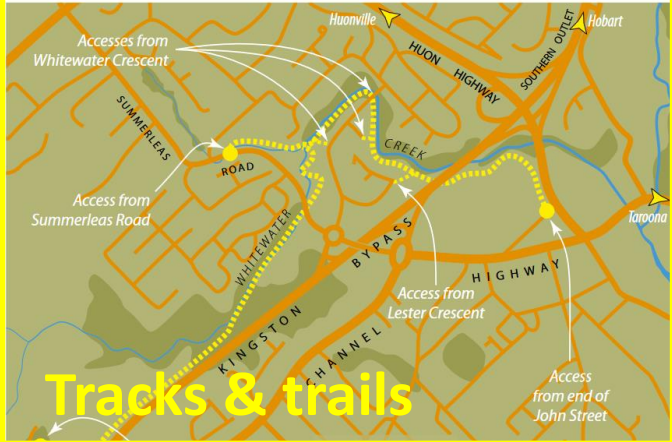
Kingston

Huon Hwy

Summerleas Rd



10 | Whitewater Creek Track





# Kingston



10 | Whitewater Creek Track



Landscape

from end of  
John Street



# Kingston



10 | Whitewater Creek Track

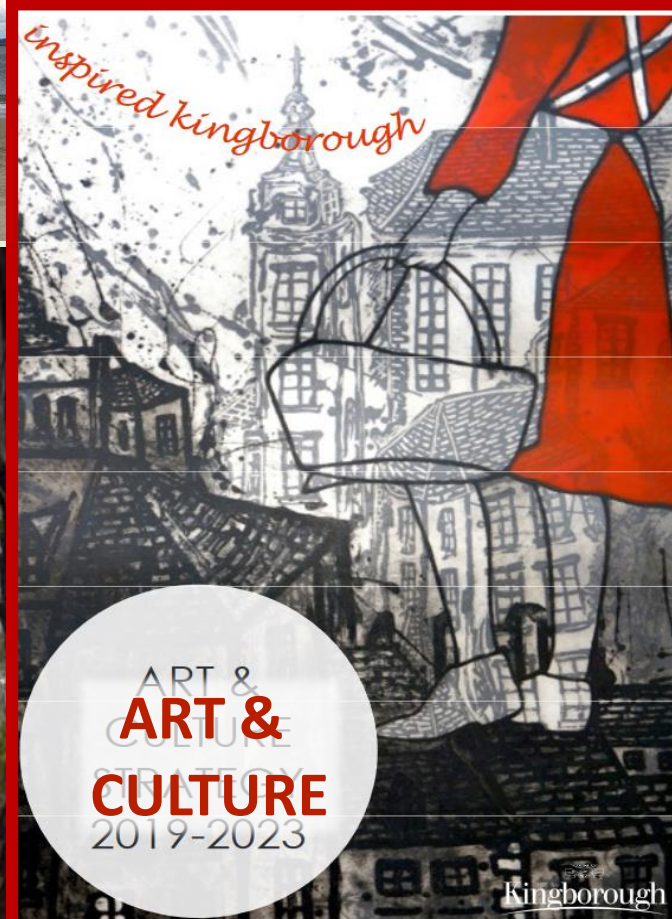


Tracks & trails



Landscape

from end of  
John Street





Accesses from Whitewater Crescent

Access from Summerleas Road

Access from Lester Crescent

HUON HIGHWAY

CREEK

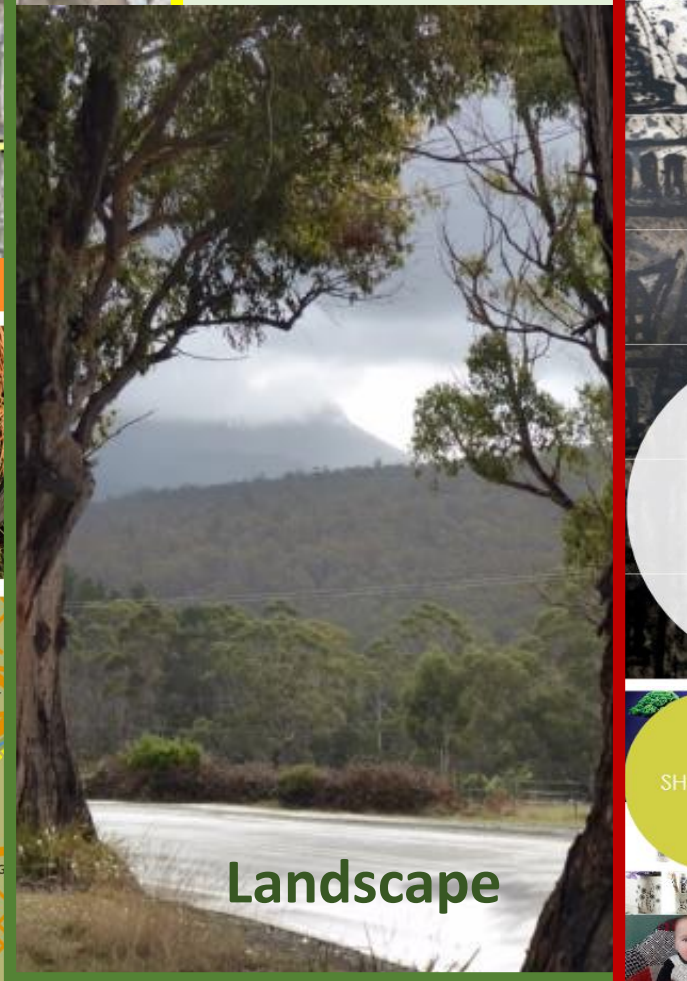
SUMMERLEAS ROAD

WHITESTONE CHANNEL

BYPASS

HUONVILLE

**Tracks & trails**



from end of  
John Street

inspired kingborough

ART &  
**ART &**  
CULTURE  
STRATEGY  
2019-2023

Kingborough

SHOWCASE

<https://www.kingborough.tas.gov.au/>

promotional flyer for Street Items Exhibition 2018-2019. Various artists' produce

**ART &  
CULTURE**



<https://www.kingboroughtas.gov.au/>

promotional flyer for Starry Seas Twilight Market, 2018-2019. Various artisans produce



**PST.**

# Kingston Park

## Community Projects

<https://www.kingborough.tas.gov.au/>





## Suggested Design Guideline for Highway Intersections:

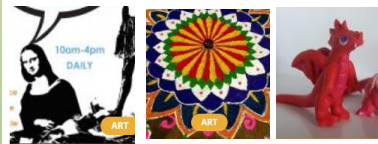
- Off-ramps lead into urbanised areas
- Urban design principles
- Slow speed, multi-user and multi-purpose
- Pedestrian vs. driver's perspective
- Pedestrians scale & needs
- Connections
- Hard vs. soft infrastructure
- Uniqueness & Sense of belonging
- Collaboration and diversity





**Welcome to Kingston**

Upcoming events



**THANK YOU!**





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Ph. +61 (3) 61663448