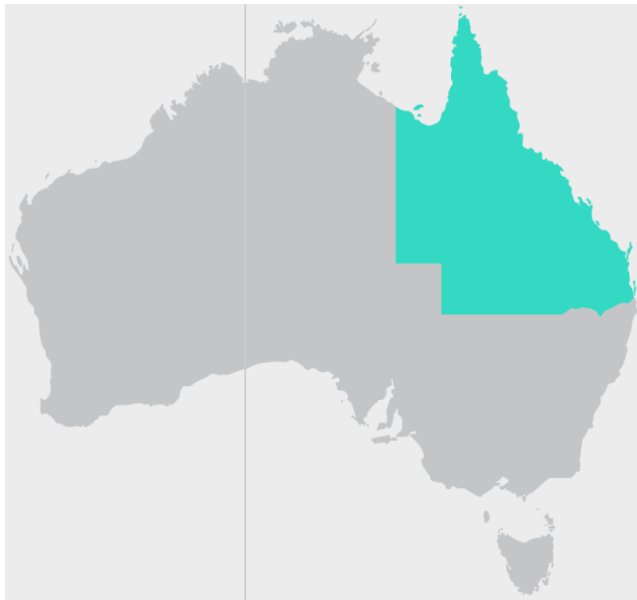


# Innovation and collaboration

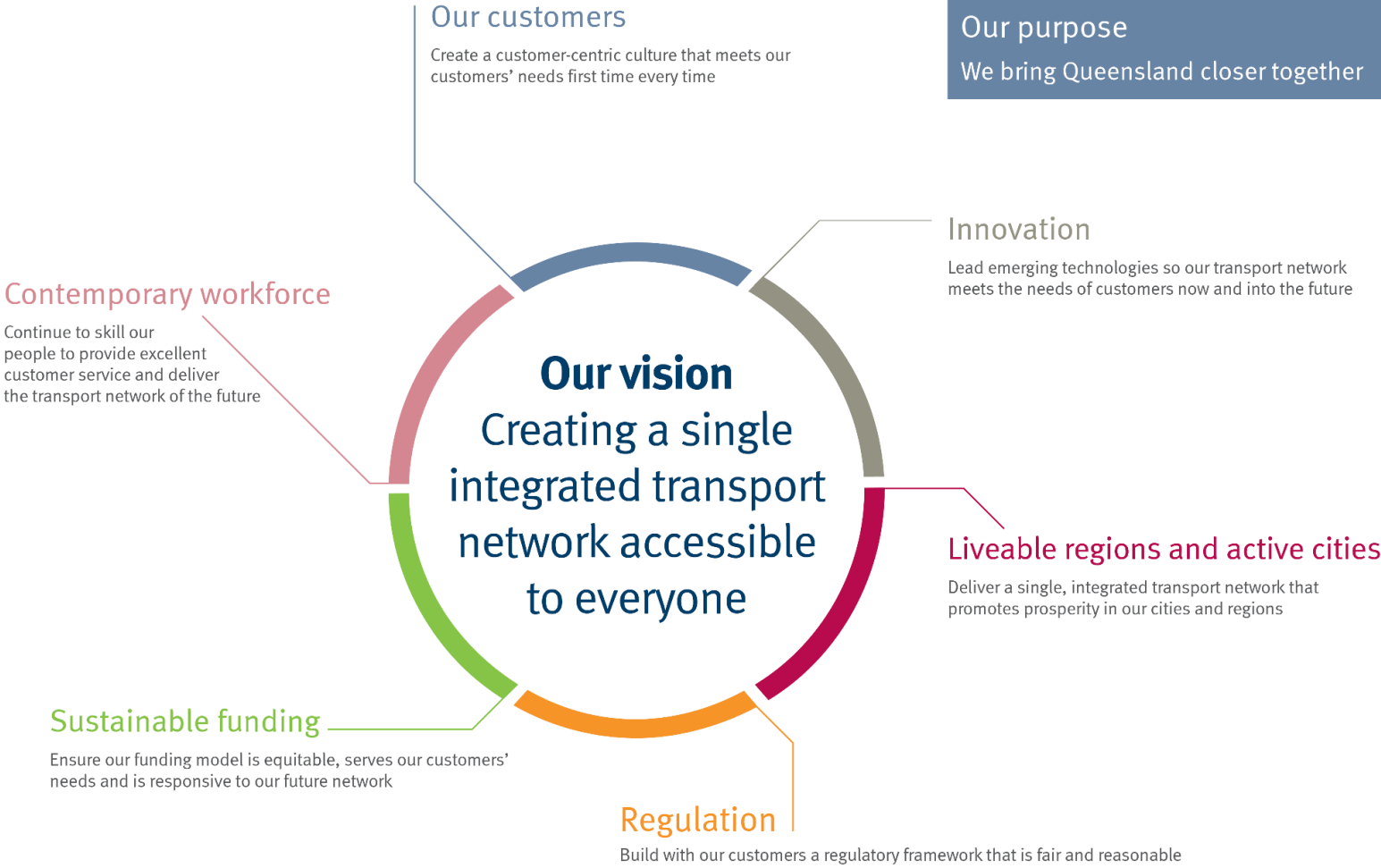
*Delivering high quality cycling infrastructure by partnering with other state government agencies*



Jonathan Giles | Department of Transport and Main Roads

Robert Kwok | Economic Development Queensland, Department of Infrastructure  
Local Government and Planning

# Our vision



# Our values, our diversity



**Customers  
first**



**Unleash  
potential**



**Be  
courageous**



**Ideas into  
action**



**Empower  
people**



**ADVANCE  
QUEENSLAND**



# Context and perspective



	Netherlands	Queensland, Australia	South East Queensland
Area (sq km)	41,543	1,853,000	22,900
Population (million)	17.1	4.86	3.4
Population density (pop/sq km)	412	2.6	148
% cycle to work	26%	~1%	1-2%

“Cycling is fundamental to the transport system. It is not an optional extra.”

Hon Mark Bailey -  
Minister for Main  
Roads, Road  
Safety and Ports



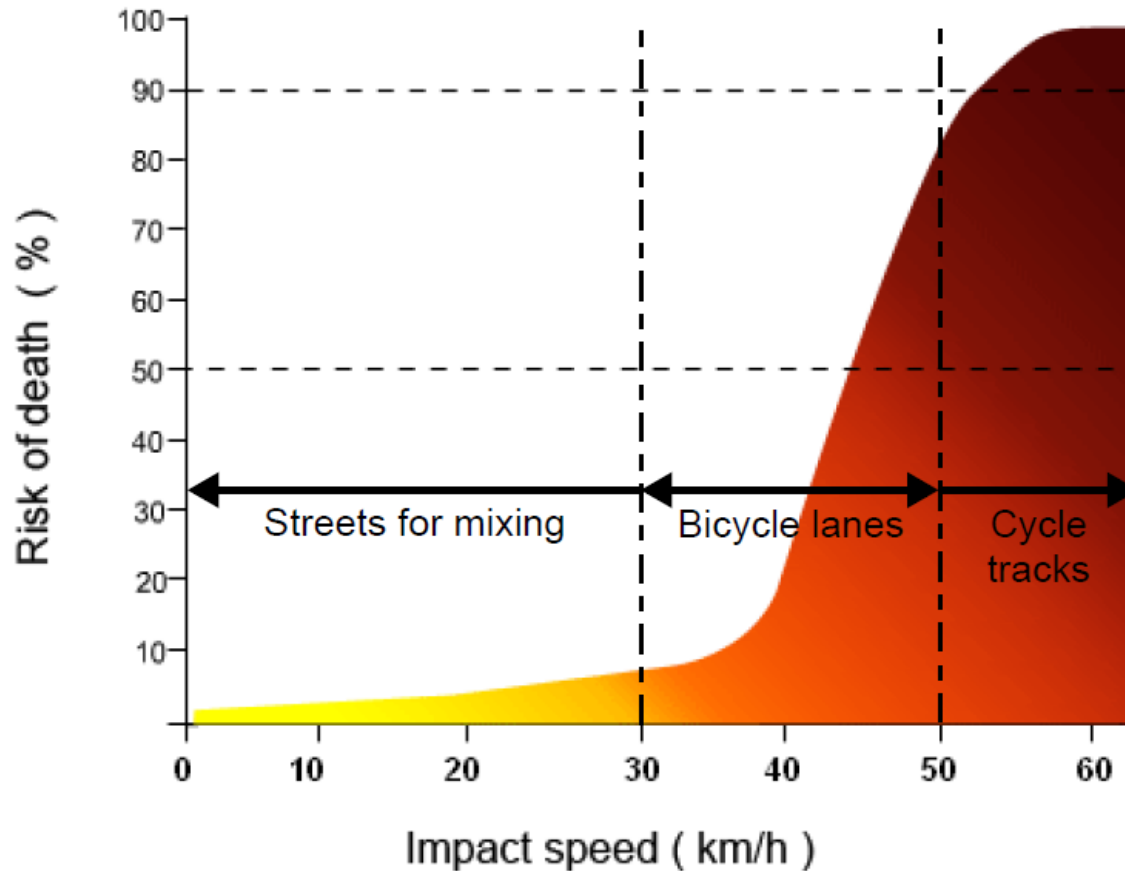
# Queensland's guidance: Technical Note 128: Selection and Design of Cycle Tracks



- Developed to complement the national Austroads guidelines
- Based on **Safe System** principles
- New term: Cycle Track
- When to use
- Mid-block design
- Protected intersection design

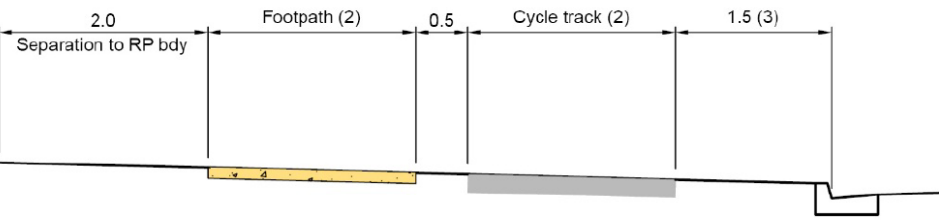
# Mix where possible, separate where needed

Risk of death for pedestrians, cyclists and motorcyclists

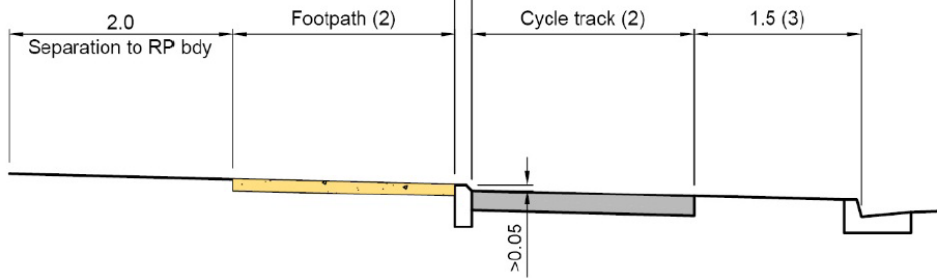




# Mid-block cycle track

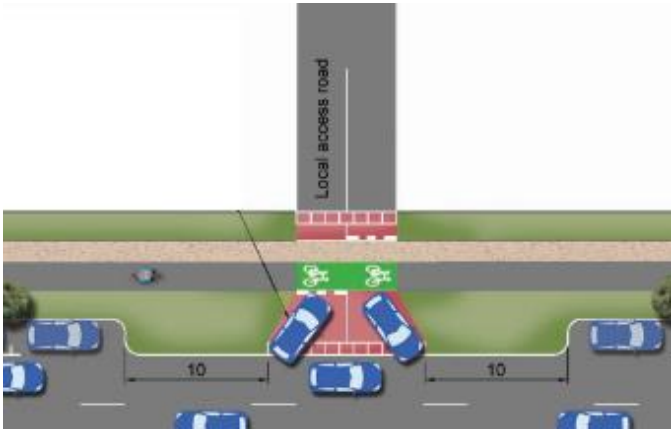


Footpath level cycle track

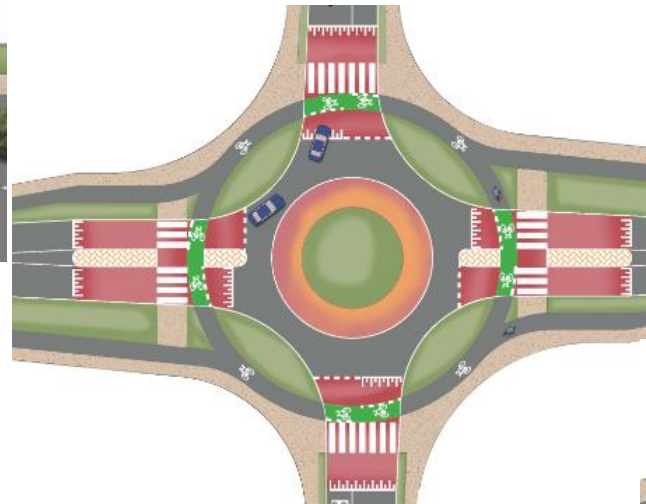


Dual kerb cycle track (preferred)

# Types of protected intersections



Priority controlled

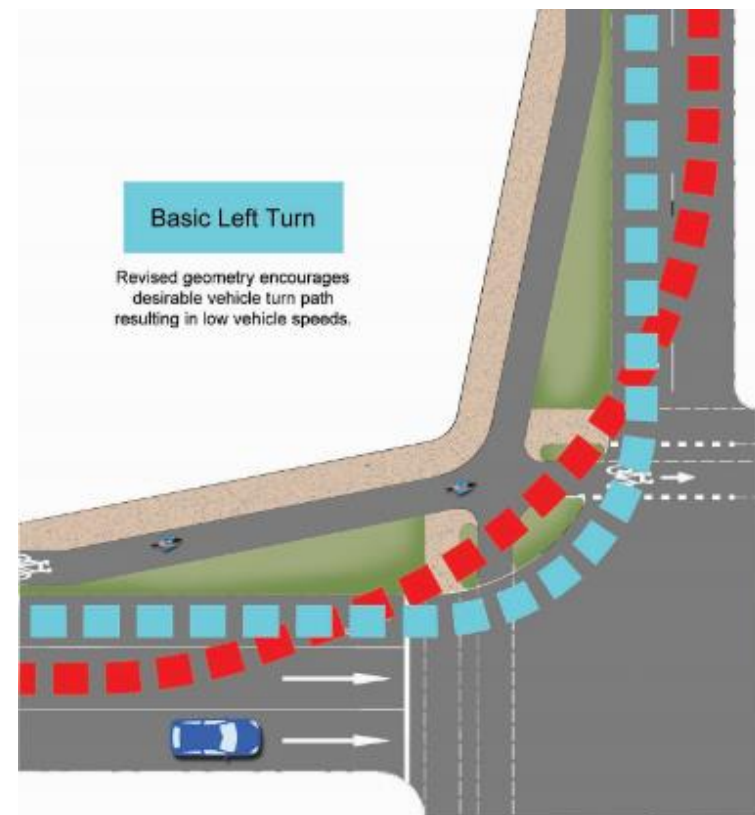


Roundabouts

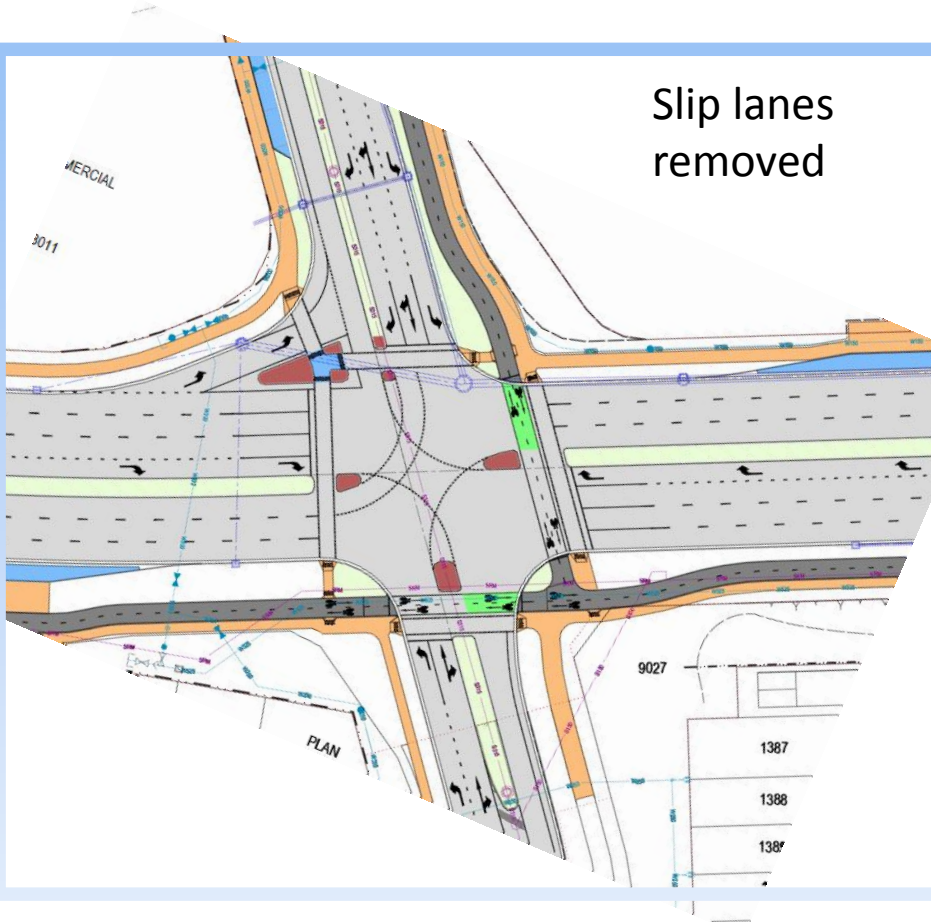
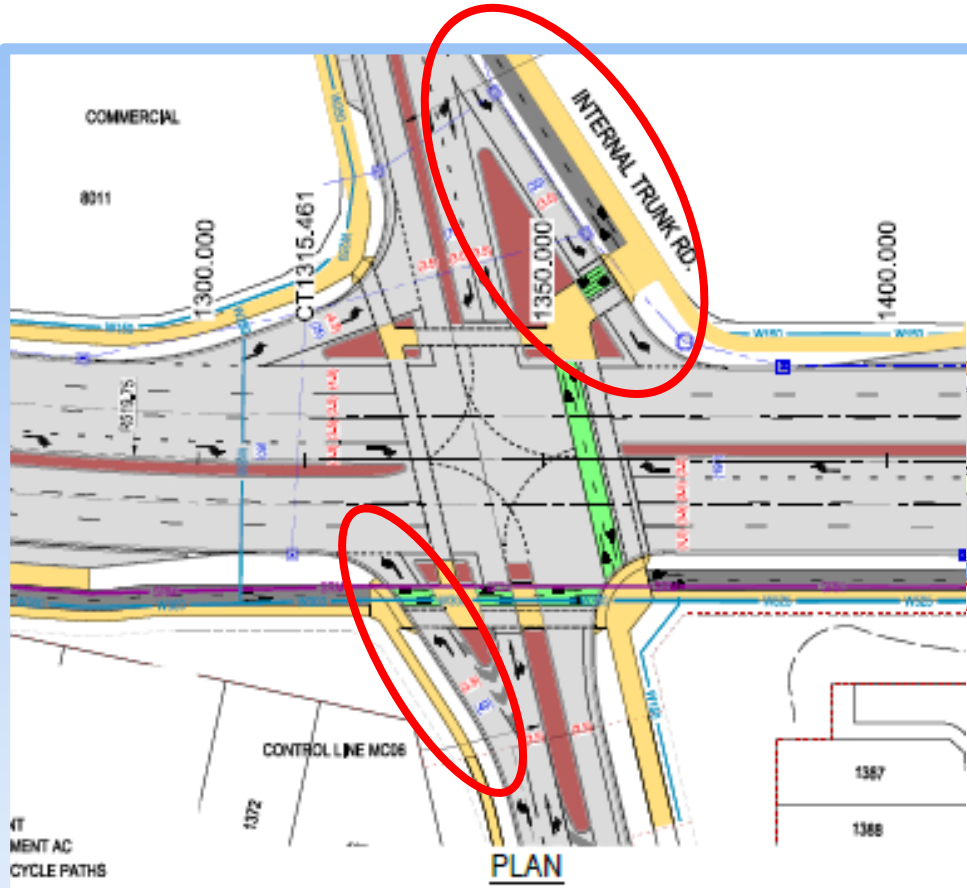


Signals

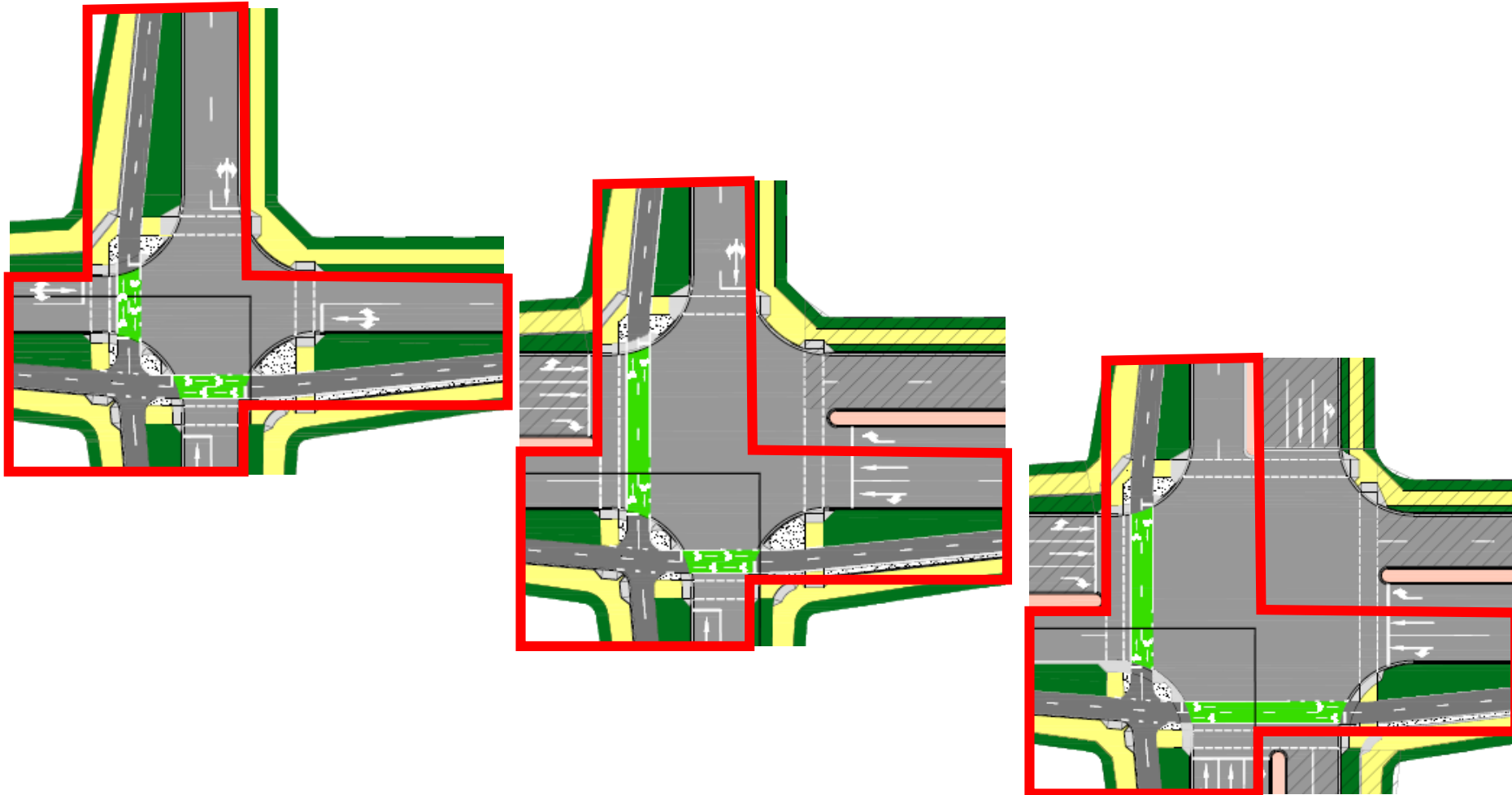
# Slip lanes to basic lefts



# Achieving design requirements



# Interim and ultimate: Avoiding redundant infrastructure in Greenfield developments



# Delivered through cycling projects



# Collaboration to create opportunities

# Caloundra South – Priority Development Area

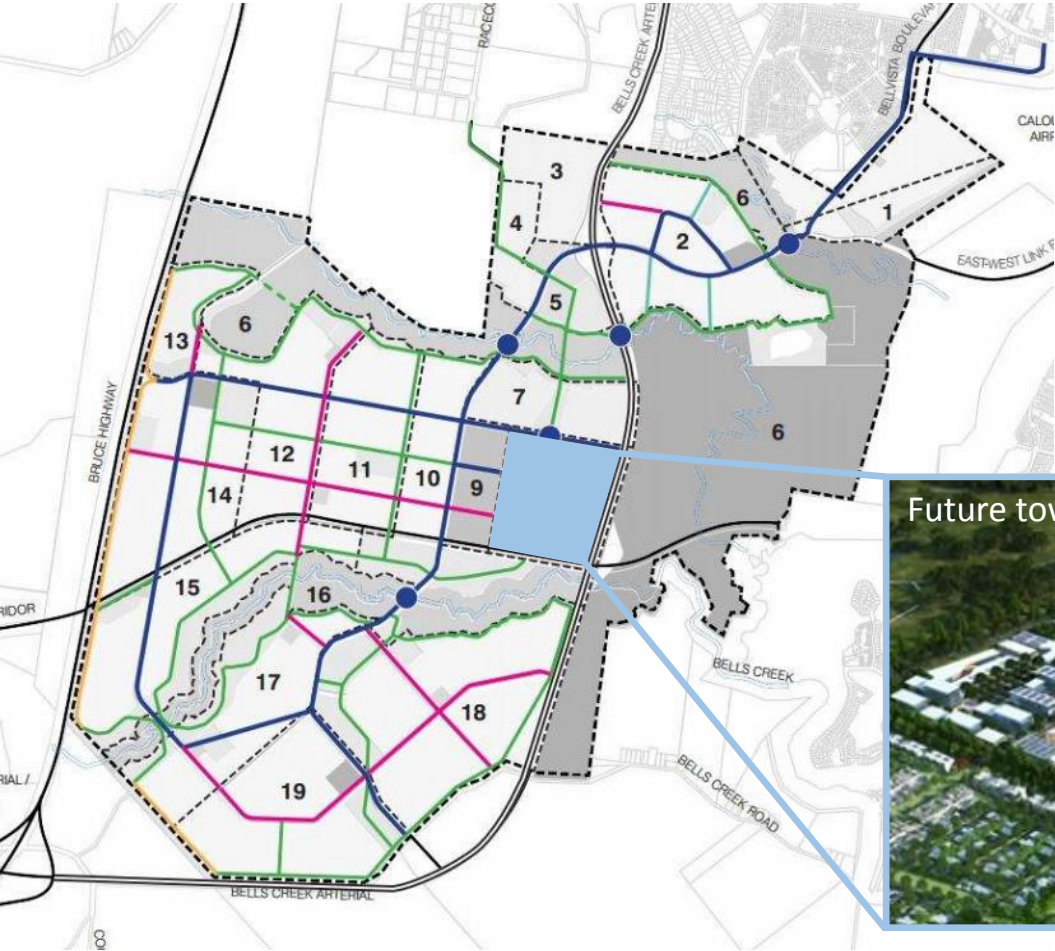
2,310 Ha  
20,000 dwellings  
50,000 people



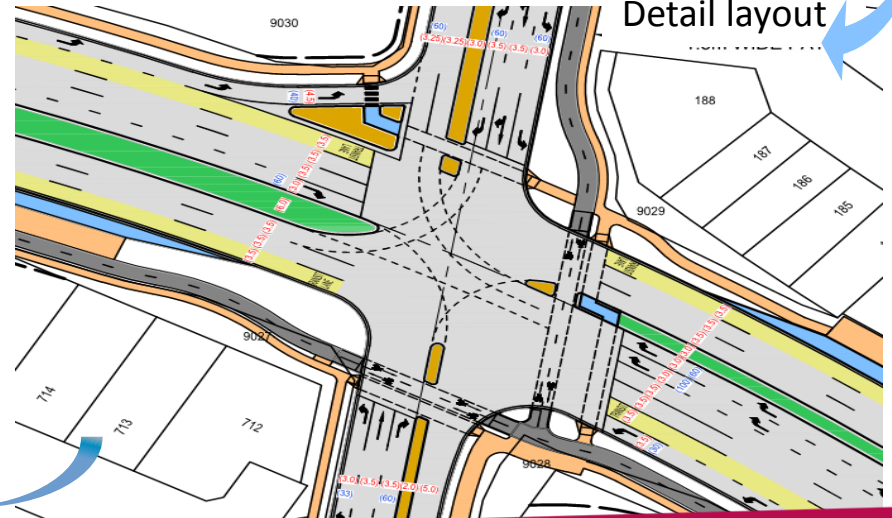
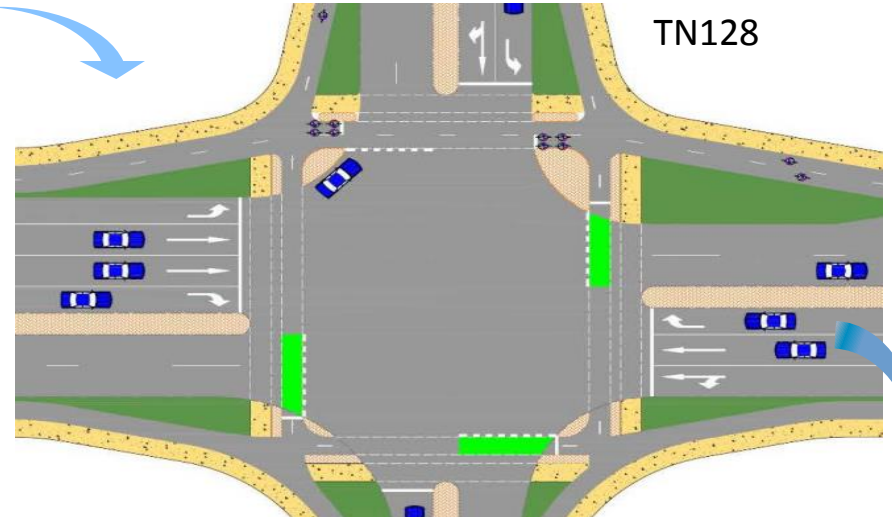


# Caloundra South

– ‘cycling city’ is one of the key selling points



# Implementing Dutch Inspired Cycle Infrastructure







# Northshore Hamilton – Masterplan and Vision

6km to city  
15,000 dwellings  
10,000 jobs

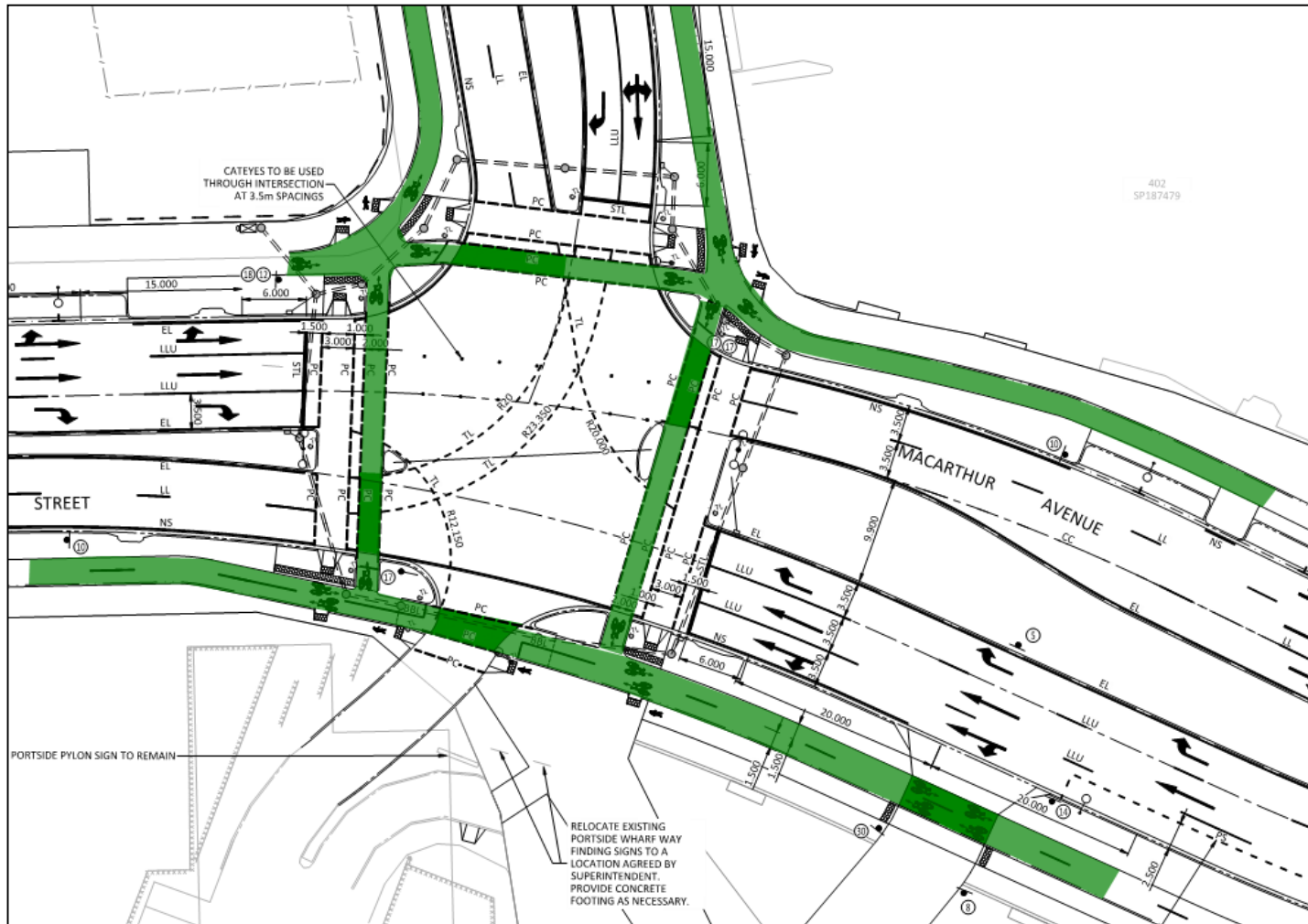


Source: Economic Development Queensland

# Northshore Hamilton – Proposed Cycle Network



# Unprotected Roundabout to Protected Intersection



# *Everyone is a winner!*

- **Win** for developers:
  - attractive development
  - no added construction cost
- **Win** for Council/asset owner
  - increased cycling mode share
  - reduced car usage and parking demand
  - lower maintenance cost
- **Win** for community
  - safe, direct and connected
  - suitable for all ages and abilities
  - health benefits
  - cycling is FREE





## Closing comments

‘A single integrated  
transport network  
**accessible to  
everyone**’

Embrace  
innovation

Share your  
learnings,  
networking leads  
to opportunities

Seek partnerships

# Thank You - Dank u

