



Christchurch Major Cycleways Programme

The natural disaster that was a catalyst for change

29 November 2024

Today's moderators



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Austroads acknowledges the Australian Aboriginal and Torres Strait Islander peoples as the first inhabitants of the nation and the traditional custodians of the lands where we live, learn and work. We pay our respects to Elders past, present and emerging for they hold the memories, traditions, culture and hopes of Aboriginal and Torres Strait Islander peoples of Australia.

Austroads acknowledges and respects the Treaty of Waitangi and Maori as the original people of New Zealand.

Webinar facilitators

The webinar is brought to you by Cycling and Walking Australia and New Zealand (CWANZ), together with Austroads and Christchurch City Council.



Resources

This page contains some key resources on walking and cycling, including an archive of the documents produced by the Australian Bicycle Council.

Featured Resources

| | | | | |
|---|---|---|--|---|
|  |  |  |  |  |
| Evaluation and Implementation of Shared Spaces in NSW | Gender Sensitive Urban Design Implementation Toolkit | Active Travel Plan and Design Guide | Safe Active Streets Pilot Program | Planning and Designing for active transport |

Jurisdictions

- Australia
- Australian Capital Territory
- New South Wales
- New Zealand
- Northern Territory
- Queensland
- South Australia
- Tasmania
- Victoria
- Western Australia

Categories

- Active Travel to School Programs
- CWANZ Design Innovations Working Group
- Data
- Fact Sheet
- Funding
- Guidelines
- Legislation



[Home - Cycling and Walking Australia & New Zealand \(cwanz.com.au\)](http://www.cwanz.com.au)



[Resources - Cycling and Walking Australia & New Zealand \(cwanz.com.au\)](http://www.cwanz.com.au)



info@cwanz.com.au

Housekeeping

Type questions here
and let us know the
slide number your
question relates to



Presentation = 40 mins

Question time = 15 mins

Slides are
located here

Chat Q&A Polls Handouts

All Answered

Q Search Q&A



Today's presenters and agenda

| Topic | Presenter |
|--------------------------------|--|
| Background | Jacob Bradbury |
| Cycleway Programme Development | Emily Cambridge |
| Lessons from Christchurch | Jacob Bradbury |
| What does success look like? | Emily Cambridge |
| What's next? | Jacob Bradbury |
| Q+A | Jacob and Emily, moderated by Sam Bolton |



Jacob Bradbury

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Emily Cambridge

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JACOB BRADBURY | Christchurch City Council
Background



Commuters pedal down Manchester Street in 1954



Source: NZ Herald(2011)



Source: NZ Herald(2011)



shareanidea.org.nz

market

life

move

space





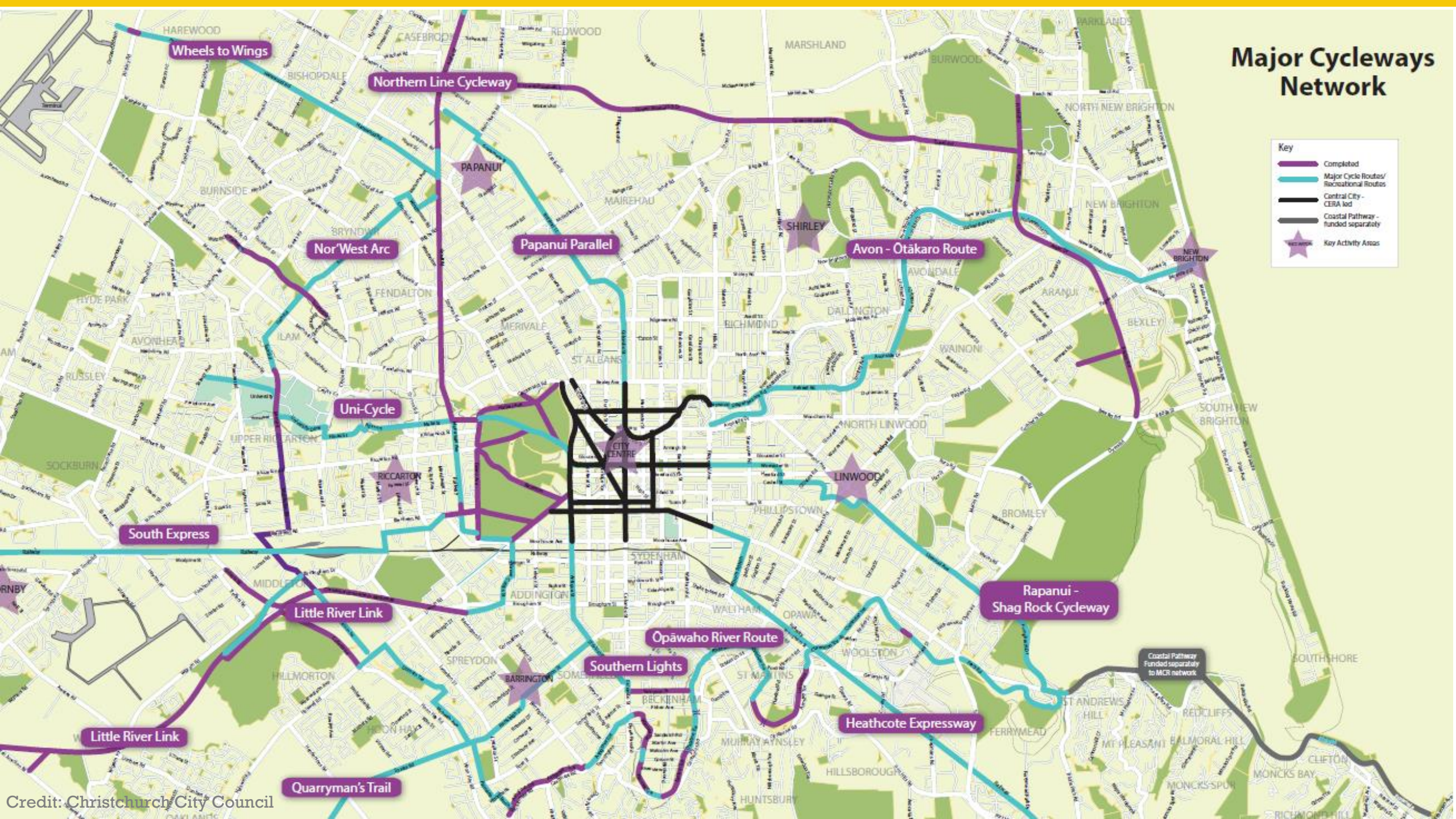
“Cycle network connecting the Central City to the suburbs”

“Good facilities for cyclists with safe and plentiful cycle parking and cycle hire for locals.”

Major Cycleways Network

Key

- Completed
- Major Cycle Routes/ Recreational Routes
- Central City - CERA led
- Coastal Pathway - funded separately
- Key Activity Areas





Delivery of the network

Consultants (Design team)



Contractors

Tier 1



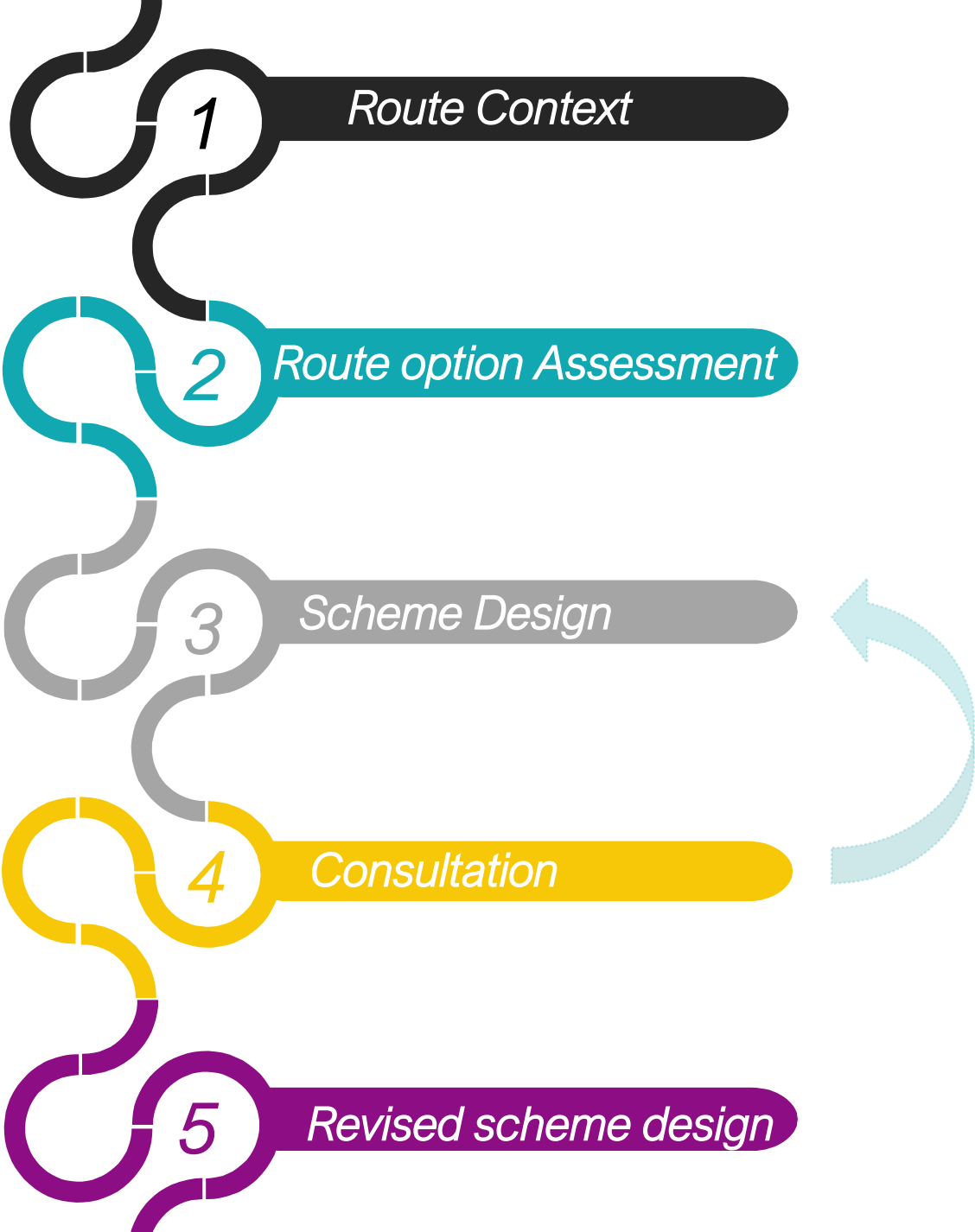
Tier 2





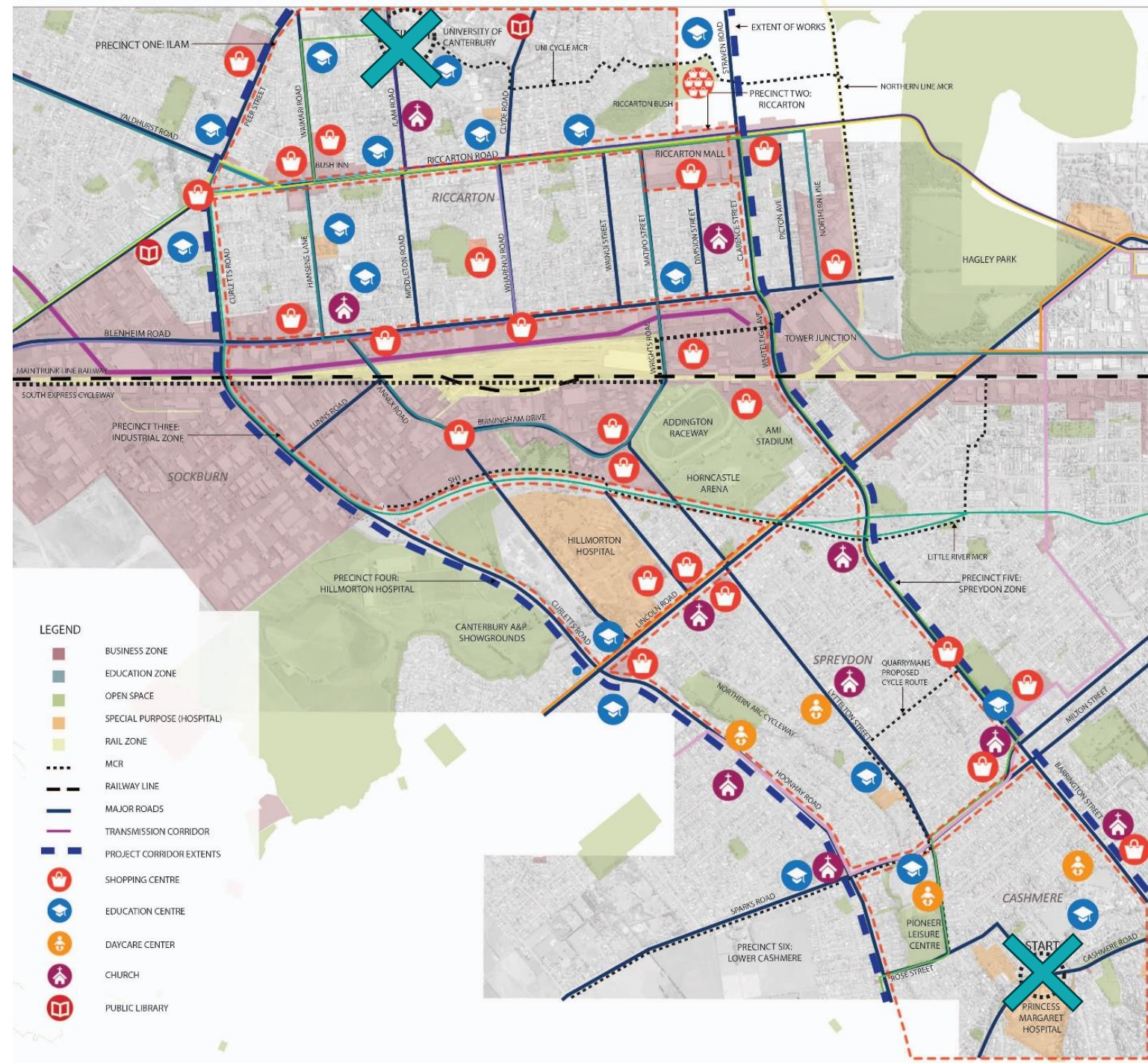
Emily CAMBRIDGE | Activate Urban
Cycleway Programme Development

Design journey



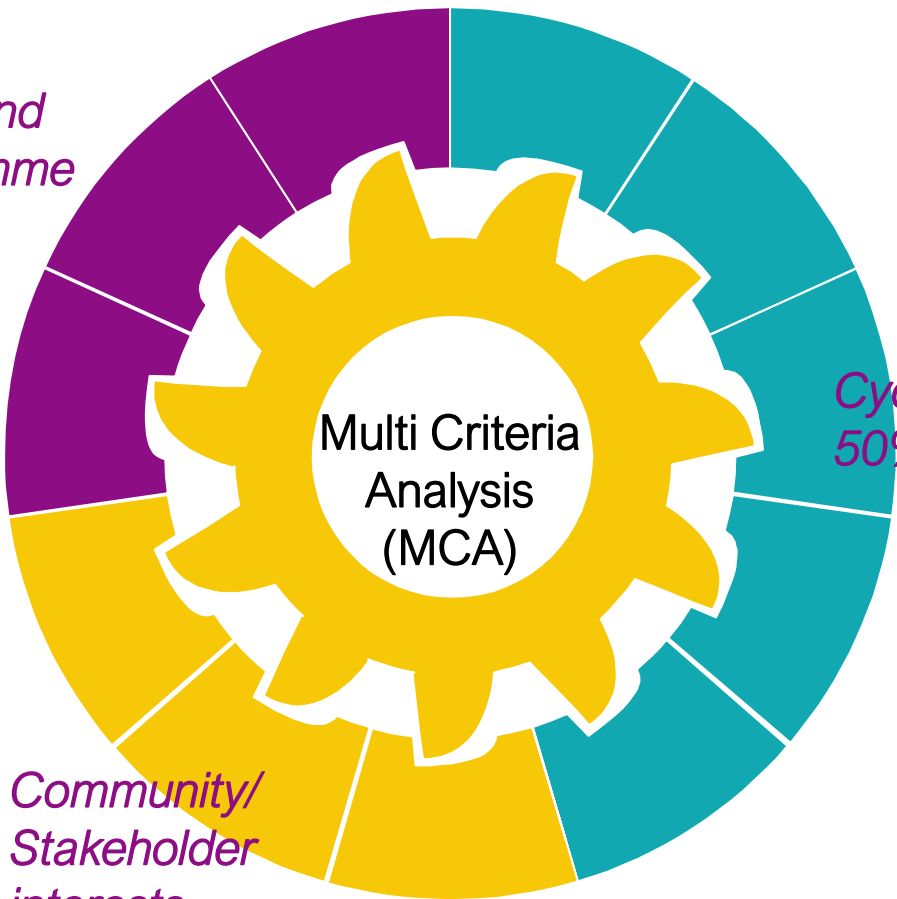
1 Route context

- Land use
- Key attractors
- Destinations
- Employment centres
- Road hierarchy
- Connectivity
- Open spaces



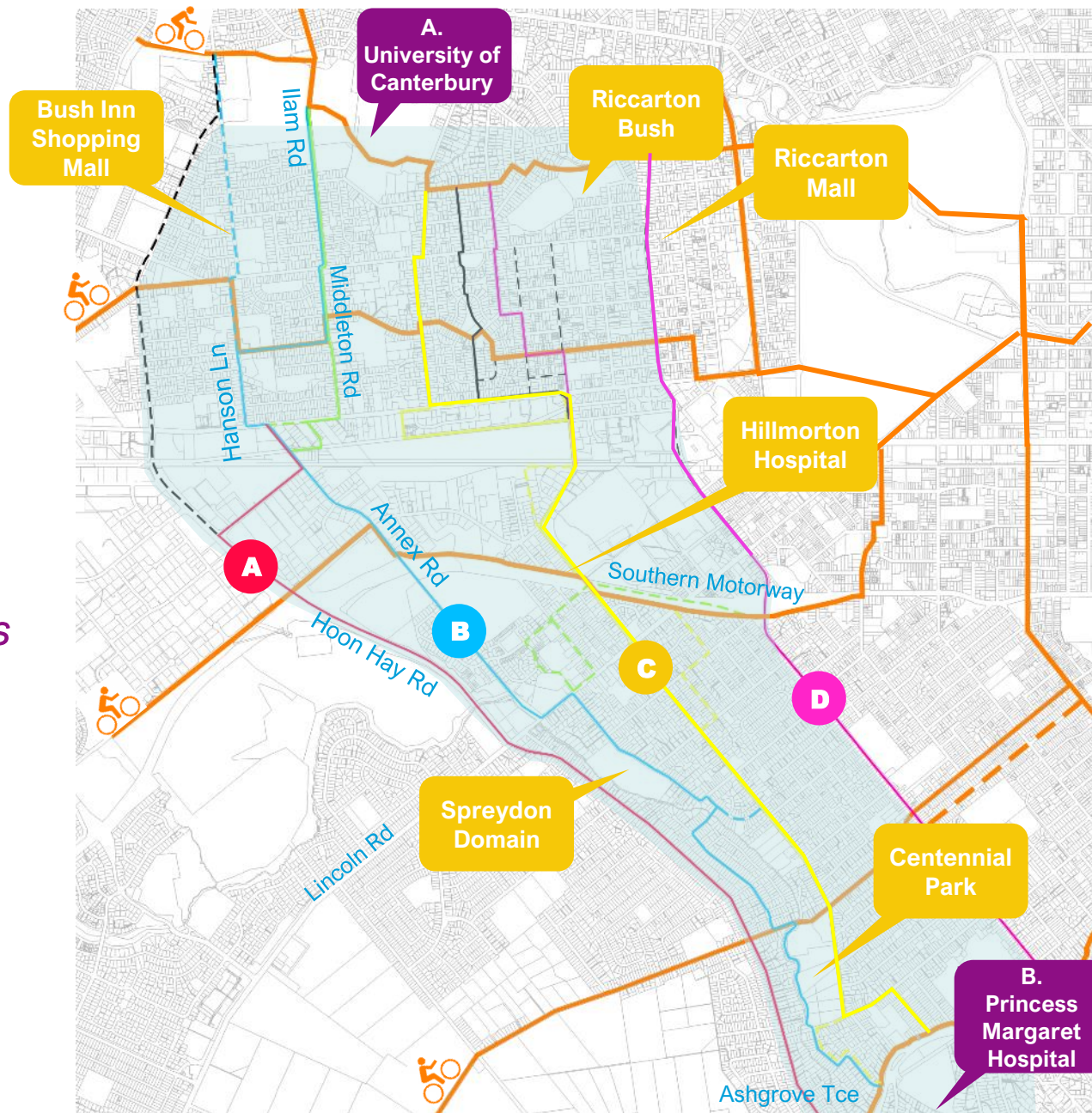
2 Route options

Project Costs and Programme Risks
25%

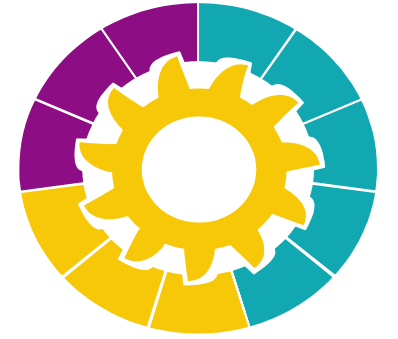


Community/
Stakeholder
interests
25%

Cyclists
50%



Multi criteria analysis

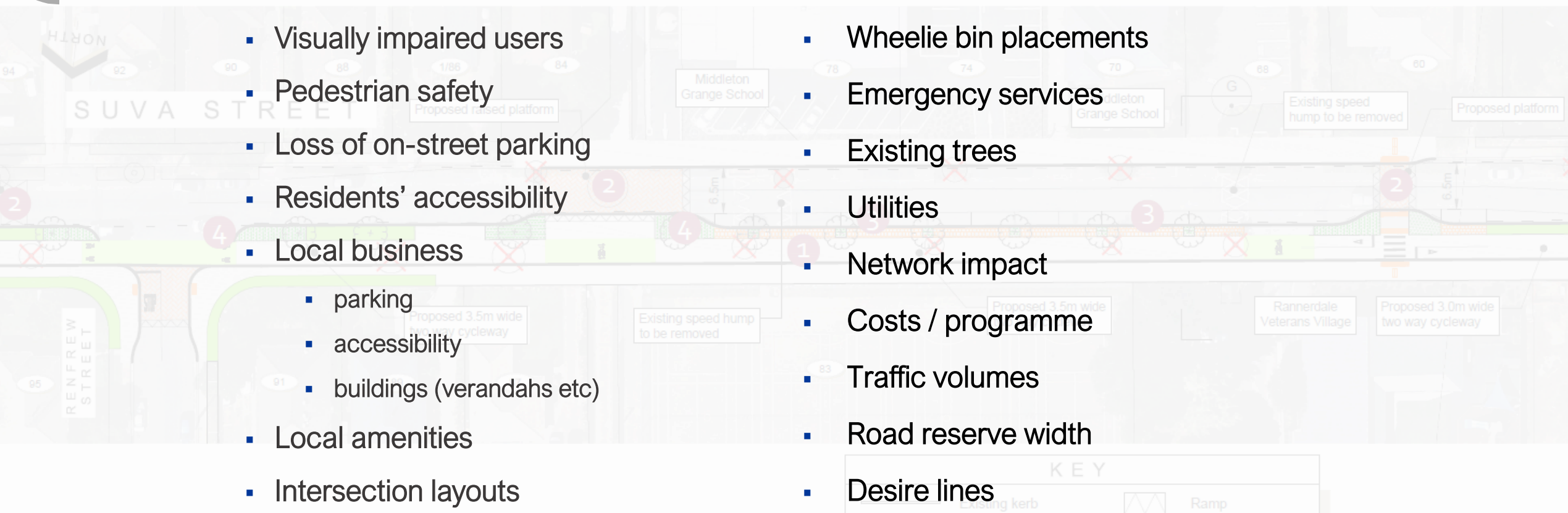


| Cyclists | Community/Stakeholder Interests | Project Costs and Programme Risks |
|---|---------------------------------|--|
| 50% | 25% | 25% |
| Safety and Comfort | Local Business Impacts | Ease of Construction & Cost |
| Directness and Coherence | Local Resident Impacts | Land Requirements / Easements / Agreements |
| Connectivity to amenity within the corridor | Operational and Network Impacts | |
| Attractiveness and Social Safety | | |

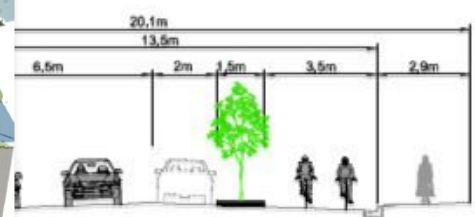
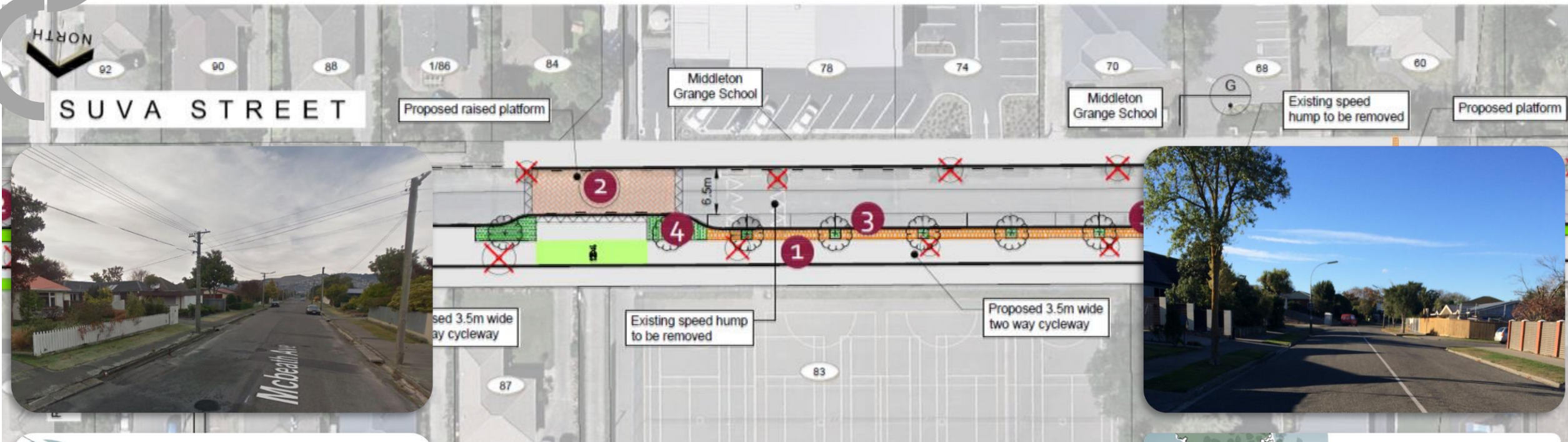
3 Scheme Design

Design Considerations

- Bus route facilities
- Visually impaired users
- Pedestrian safety
- Loss of on-street parking
- Residents' accessibility
- Local business
 - parking
 - accessibility
 - buildings (verandahs etc)
- Local amenities
- Intersection layouts
- KiwiRail – rail crossings
- Operations and maintenance
- Wheelie bin placements
- Emergency services
- Existing trees
- Utilities
- Network impact
- Costs / programme
- Traffic volumes
- Road reserve width
- Desire lines



3 Scheme Design

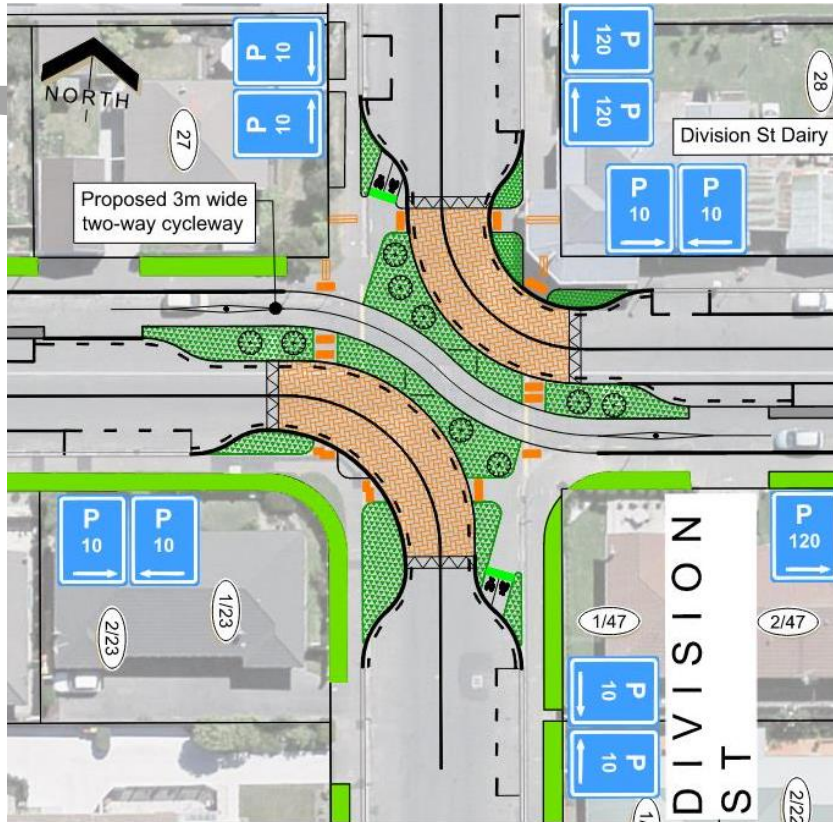


CROSS SECTION (Not To Scale)

| KEY | |
|-----|-----------------------|
| | Existing kerb |
| | Proposed kerb |
| | Proposed separator |
| | No-stopping line |
| | Cycleway - separated |
| | Cycleway - greenways |
| | Shared path - two way |
| | Bus stop |
| | |
| | |
| | |



3 Scheme Design



3 Scheme Design



Safety and Network Functionality (SANF) Peer reviews



GREEN



ORANGE



RED



ROAD SAFETY



FUNCTIONALITY



STREETScape

4 Consultation



Greenway



Two way cycleway



Major intersection change



'Egg-about'

4 Consultation

Scheme design and visual sketches

Key Stakeholders

Emergency services

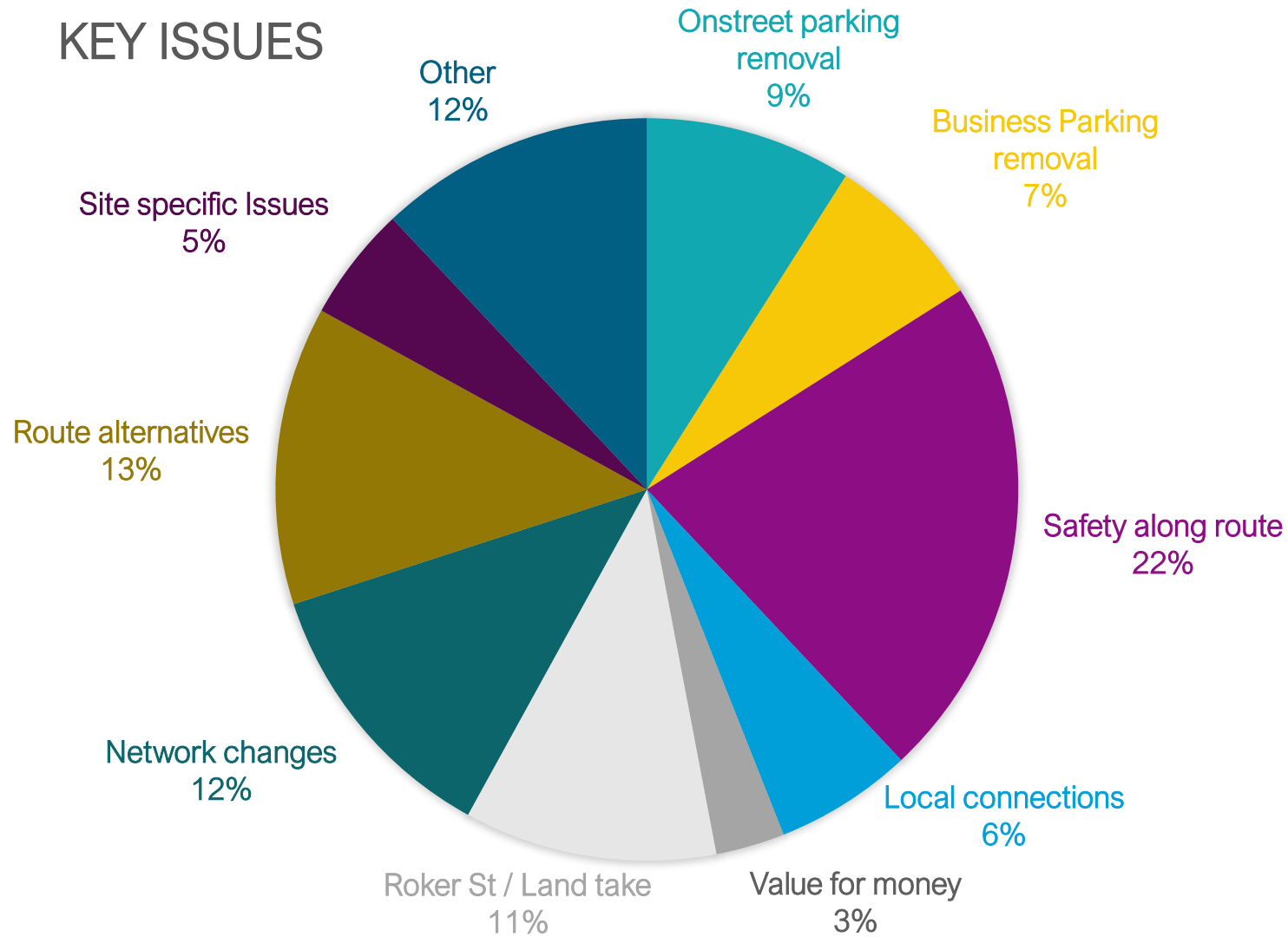
Councillors

Community



5 Revised scheme and detailed design

KEY ISSUES



284 submissions support



128 support with some concerns



36 submissions oppose

Lessons from Christchurch – Consultant View



Storytelling



Credit: Christchurch City Council



Connectivity



Rubbish Bins

Major Cycle Routes
Quarryman's Trail

Quarryman's Trail – stay safe around the new cycleway

Construction of the Quarryman's Trail cycleway is progressing well and a number of cycleway sections are now complete and open for use. The information below is to help you safely navigate the new cycleway infrastructure on your street, and to provide details on rubbish collection, driveway safety and bus safety.

Rubbish Bin Collection

To assist with bin collection along the Quarryman's Trail cycleway, bin collection point icons will be painted either side of your driveway where indicated by the bin icons - as shown in the diagram below. The bin icon will look like the image below.



Bins need to be out by 6am and in by 11pm on collection day.

Bin placement is site specific and depends on the type of cycleway infrastructure along your street.



Major Cycle Routes
Getting you there

New Zealand Government



Christchurch City Council



Bus stops



Contractor and consultant panel





JACOB BRADBURY | Christchurch City Council
Lessons from Christchurch – Council View

Scope Creep

Utility relocation:

- often includes bringing up to current standards

Improved local access:

- new crossing points
- intersection narrowing

Road renewal:

- reprofile road & footpath
- reset manhole covers
- deal with contaminated land
- road rehab and surfacing

Deep dish removal:

- install new drainage
- upgrade drainage to resolve flooding issues
- replace many laterals



Risk Management

Cycleways are fairly simple from an engineering perspective, but:

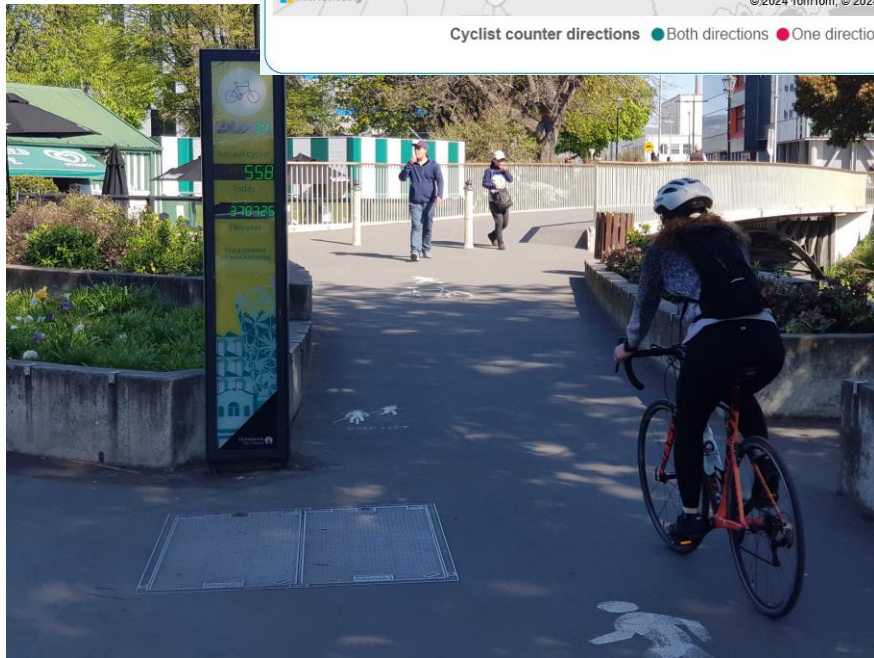
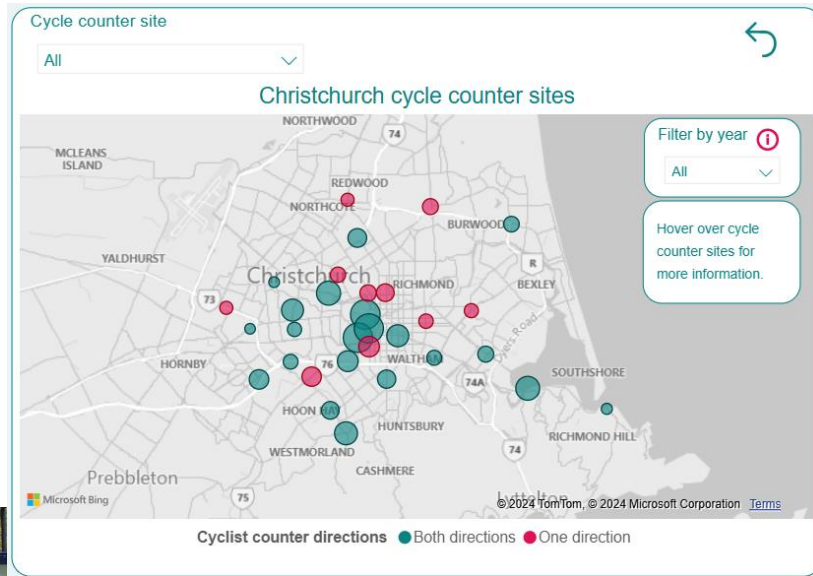
Complexity ≠ Risk

- Politics
- Utilities
- Parking
- Driveways
- Rubbish
- Businesses
- Drainage
- Contamination
- Funding
- Resources
- Railways
- Media
- Penguins
- Night works
- Noise/vibration
- Concurrent projects
- Etc, etc



Early Contractor Involvement?

Cycleway Counters



Maintenance



Operational issues

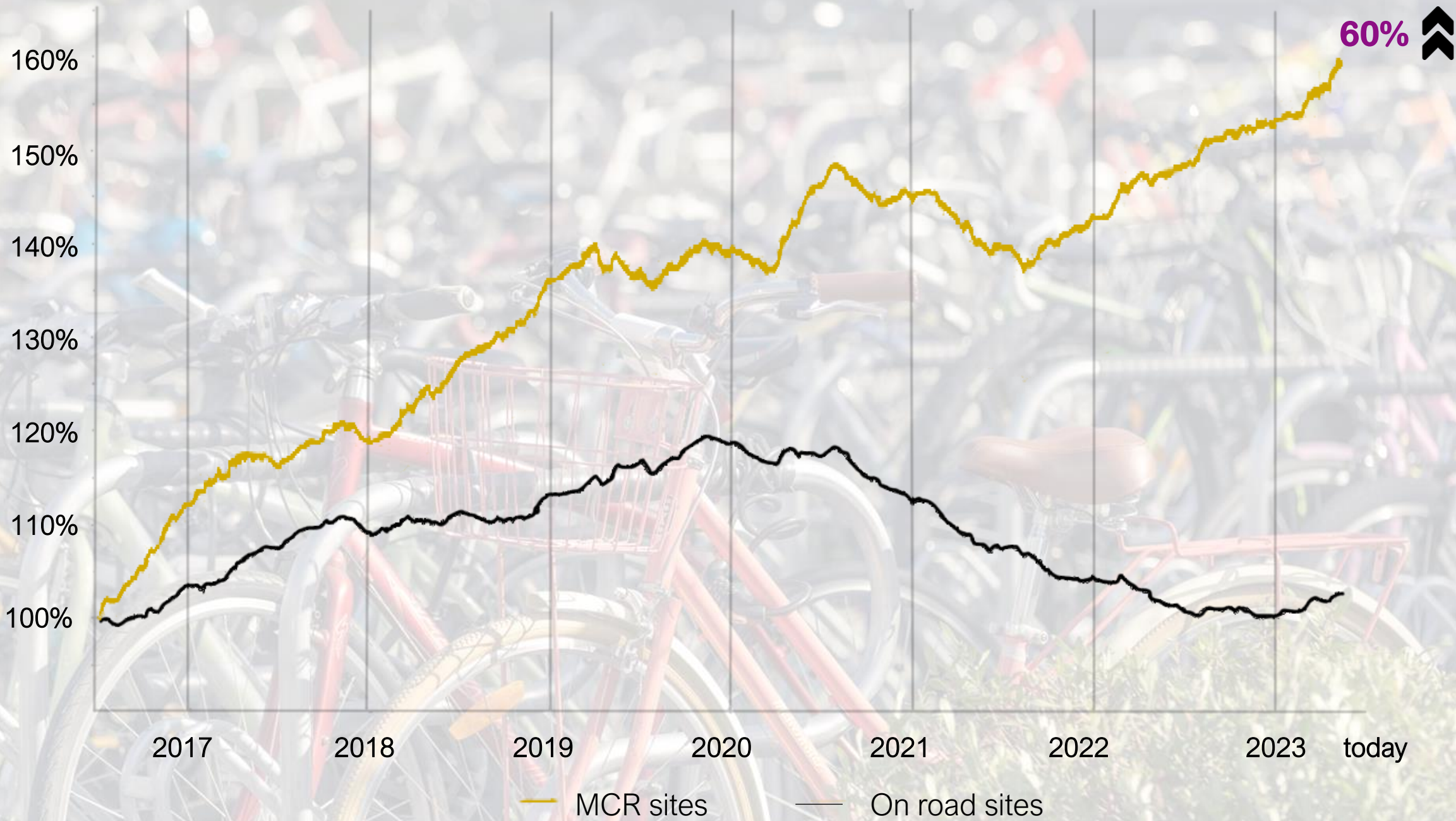


Vehicles in the cycleway





Emily CAMBRIDGE | Activate Urban
What does success look like?

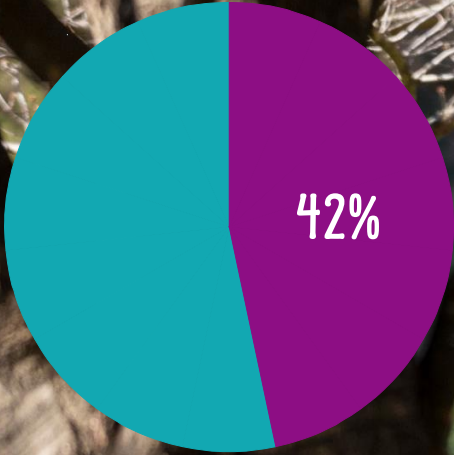




Credit: Christchurch City Council







Credit: Christchurch City Council





Major cycleways

Puari ki Otūmatua
Quarryman's Trail



Te Hapua Halswell Centre
to City Centre

8.5km

Puari ki Rapanui
Rapanui-Shag Rock



Charlesworth Reserve
to City Centre

5.5km

Puari ki Pū-taringa-motu
Uni-Cycle



University of Canterbury
to City Centre

6km

Puari ki Wairewa
Little River Link



Springs Road
to City Centre

11km

Puari ki Papanui
Papanui Parallel



Northlands Mall
to City Centre

5.5km

Puari ki Kahukura
Heathcote Expressway



The Tannery
to City Centre

4.5km

Puari ki Te Karoro
Northern Line



Northlands Mall
to City Centre

5.5km

Te Ara O-Rakipaoa
Nor'West Arc



Princess Margaret Hospital
to Middleton

4km

Puari ki Niho-toto
South Express



Upper Riccarton
to City Centre

5km





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What's next?

The future is uncertain

- No funding from central government in the short term
- One cycleway is fully designed – will Council fund it alone?
- Three cycleways to be designed
- One cycleway to have route selection

NEW ZEALAND / POLITICS Minister pulls brakes on cycling and walking initiatives

5:29 pm on 16 December 2023

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Robin Martin, Reporter
 @robincharles  robin.martin@rnz.co.nz




22 2024

Stuff

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Cyclists say Christchurch is the 'Copenhagen of the Pacific'

 Phoebe Utteridge


September 28, 2024 · 05:00am

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
THE PRESS | TE MATATIKA

NEWS LIFE OPINION BUSINESS WORLD SPORT PUZZLES SUNDAY STAR-TIMES REGIONS ▼

Contentious cycleway could be put on hold after 50% cost hike

 Tina Law | THE PRESS

October 18, 2024

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Questions?



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Upcoming Austroads webinars

| Topic | Date |
|---|-------------|
| Passenger Cars and Other Non-Truck Tyres Crumb Rubber in Asphalt: Demonstration Project | 5 December |
| Austroads Guide to Digital Engineering | 11 December |
| Improving the Sustainability of Sprayed Seals | 19 December |

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