

# **Overview**

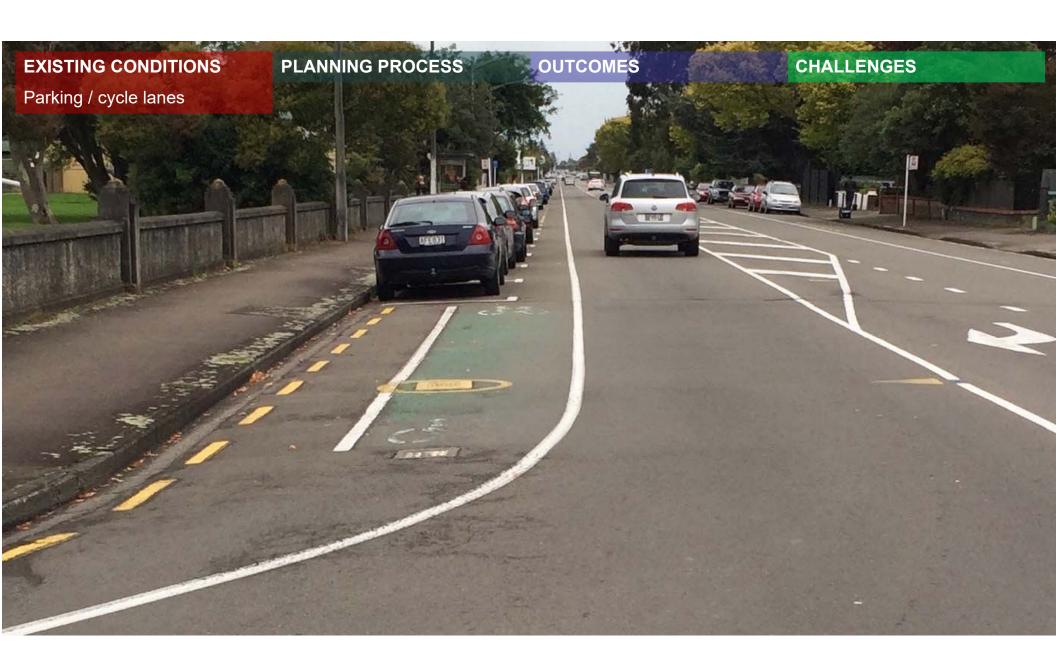
EXISTING
CONDITIONS
Subtopics...

PLANNING PROCESS

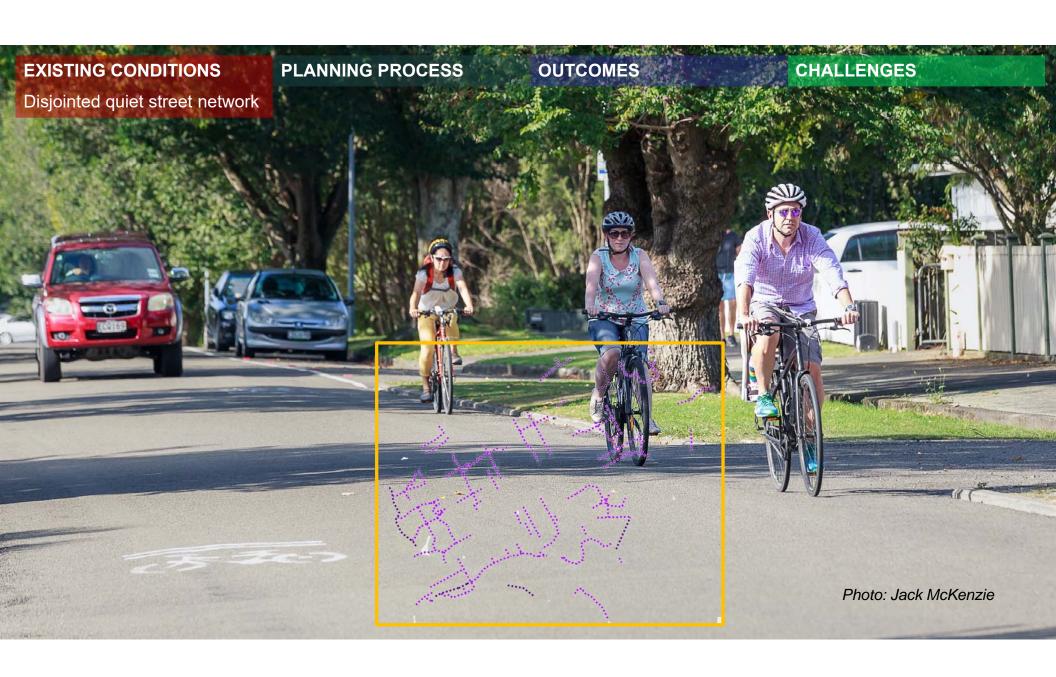
**OUTCOMES** 

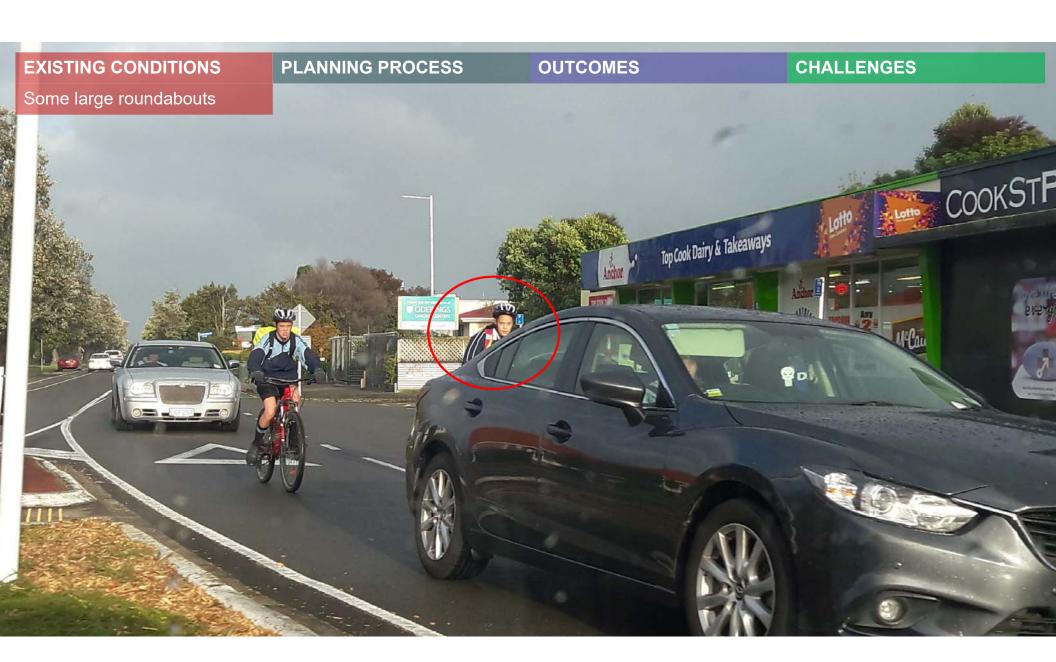
**CHALLENGES** 

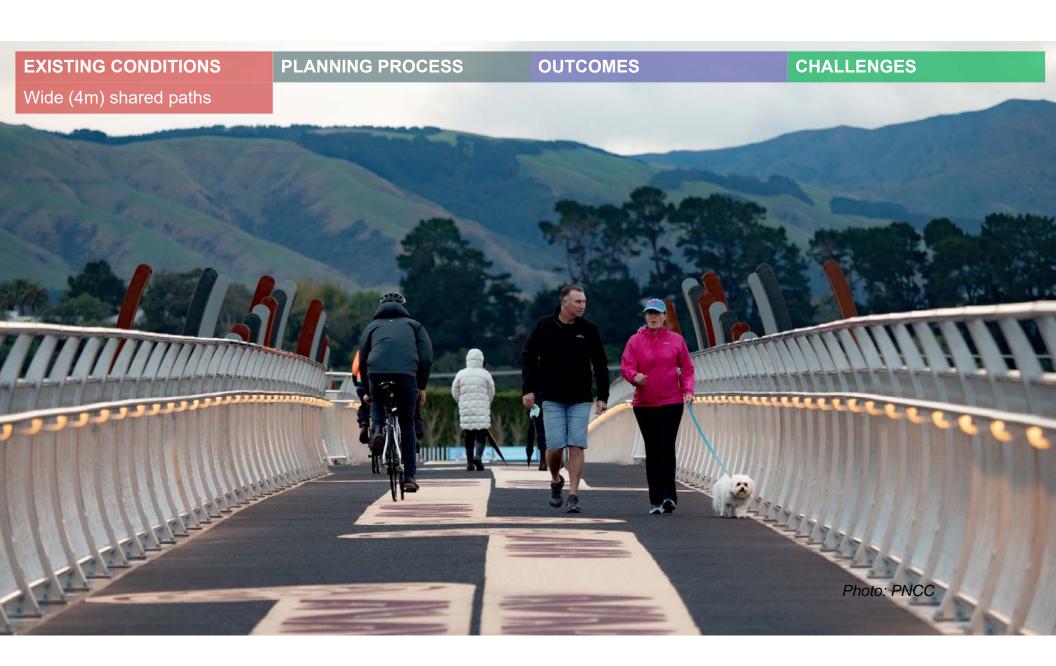




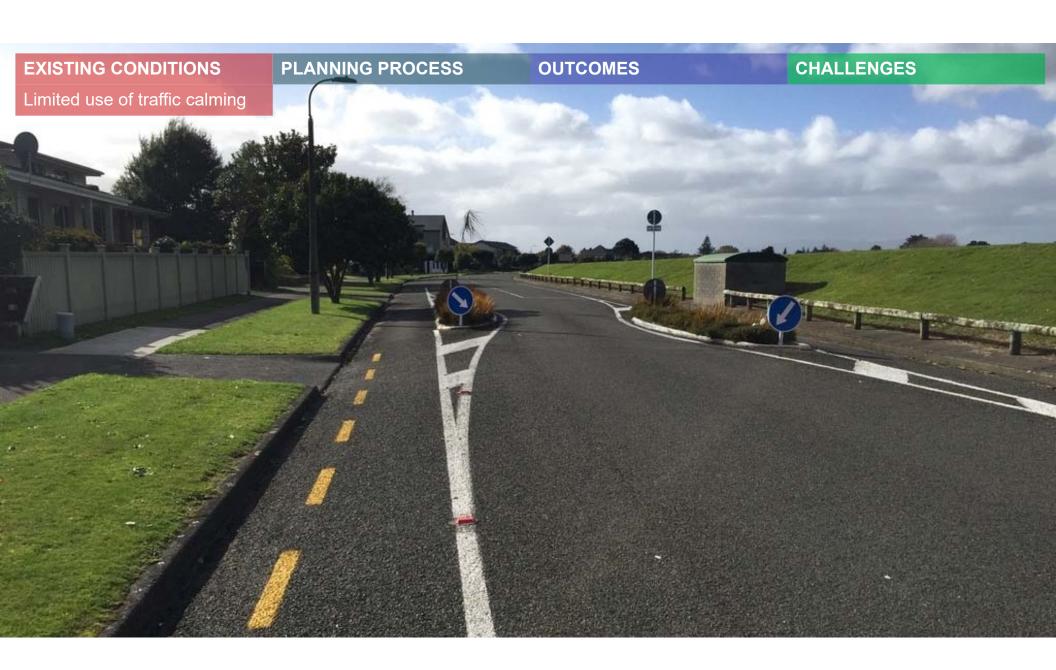


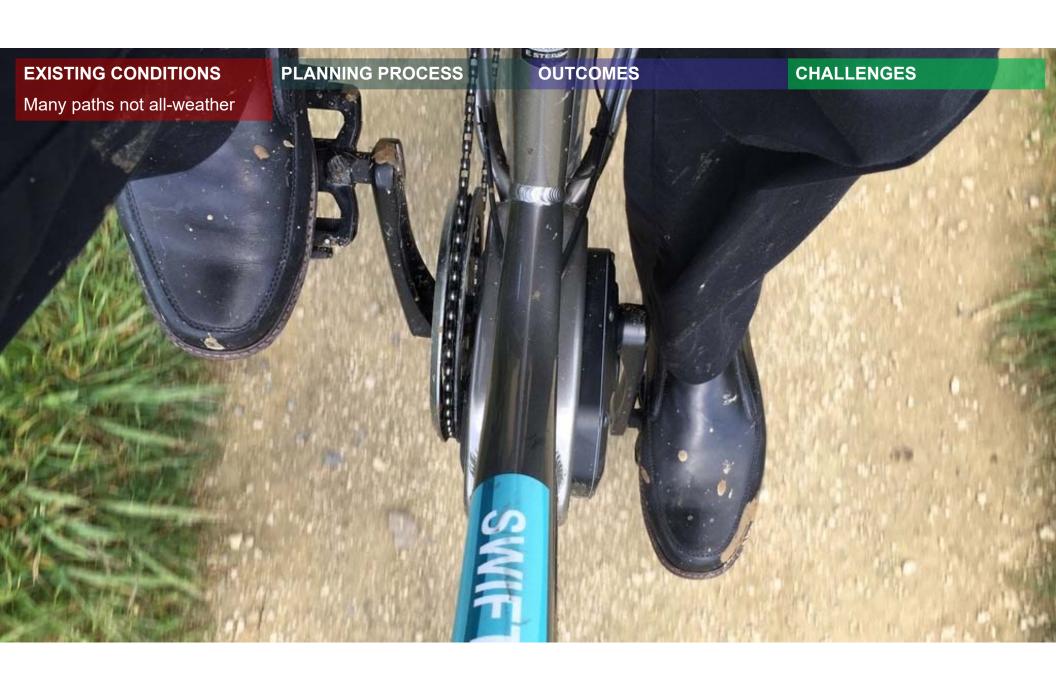


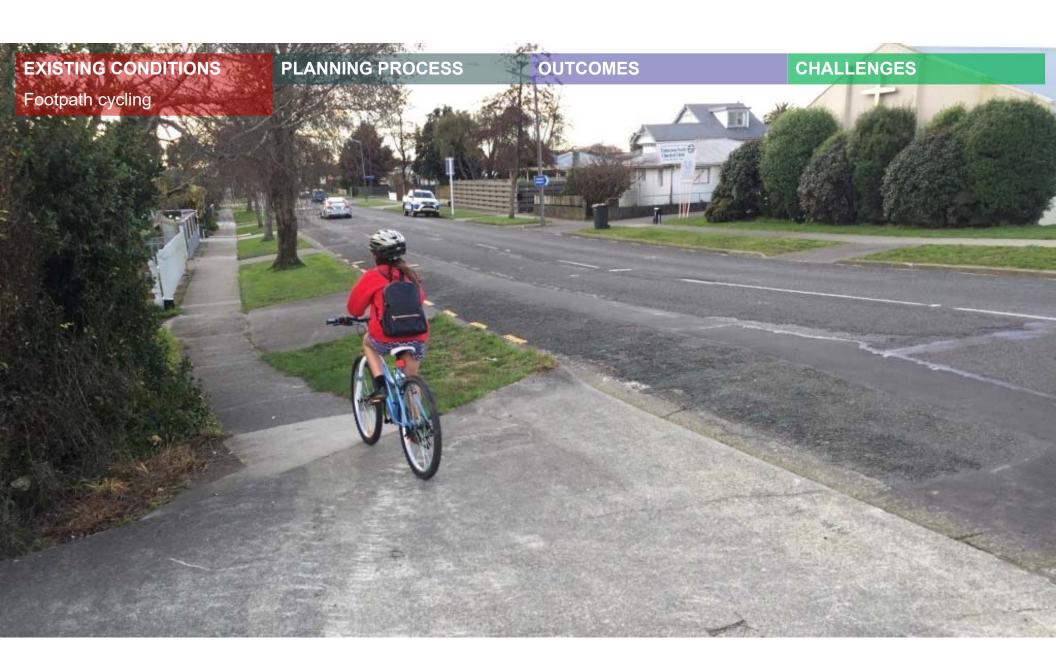


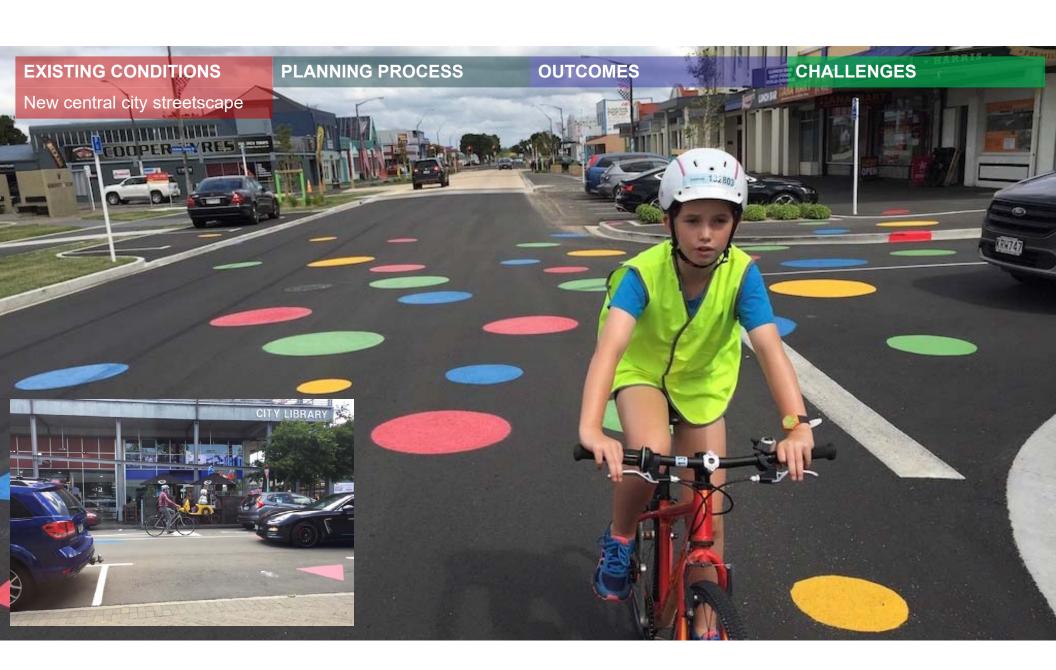












Central city streetscape











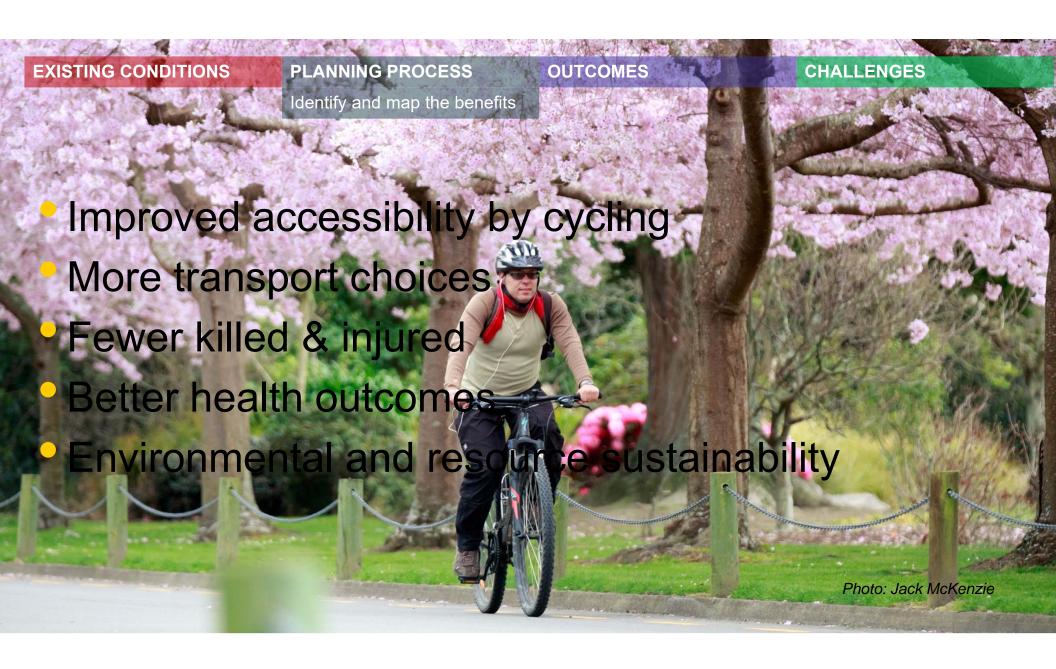


Reported crashes

Intersection	Injury crashes (2014-18)
Church / Ruahine	10
College / Cook	9
Ferguson / Victoria	9
Church / Cook	6
Broadway / Victoria	5
Albert / Ferguson	4
Featherston / Russell	3
Plus key barriers	
Bourke / Featherston	2
Botanical / College	1
College / Fitzherbert	1
Featherston / Rangitikei	0



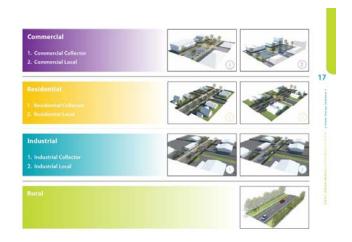




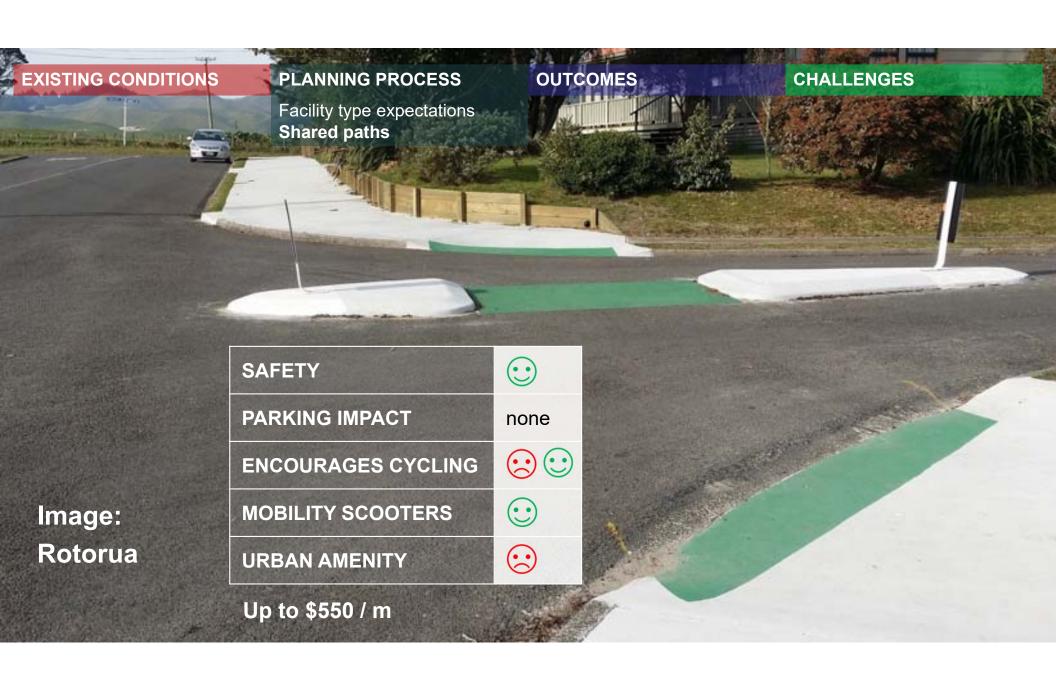
Review previous work

- PNCC Street Design Manual 2013: great ideas, but implementation challenges
- Some missing elements; major advances since then led by NZTA:
  - One Network Road Classification (ONRC)
  - Cycling Network Guidance (CNG)
  - MegaMaps safety risk
  - Policy, legislation, and economic changes











Define and determine Quality of Service

Buffered (wide) Cycle lanes \$ Post & Paint \$

Simple kerbs \$\$

Island kerbs &/or inset parking \$\$\$

Full street reconstruction \$\$\$\$

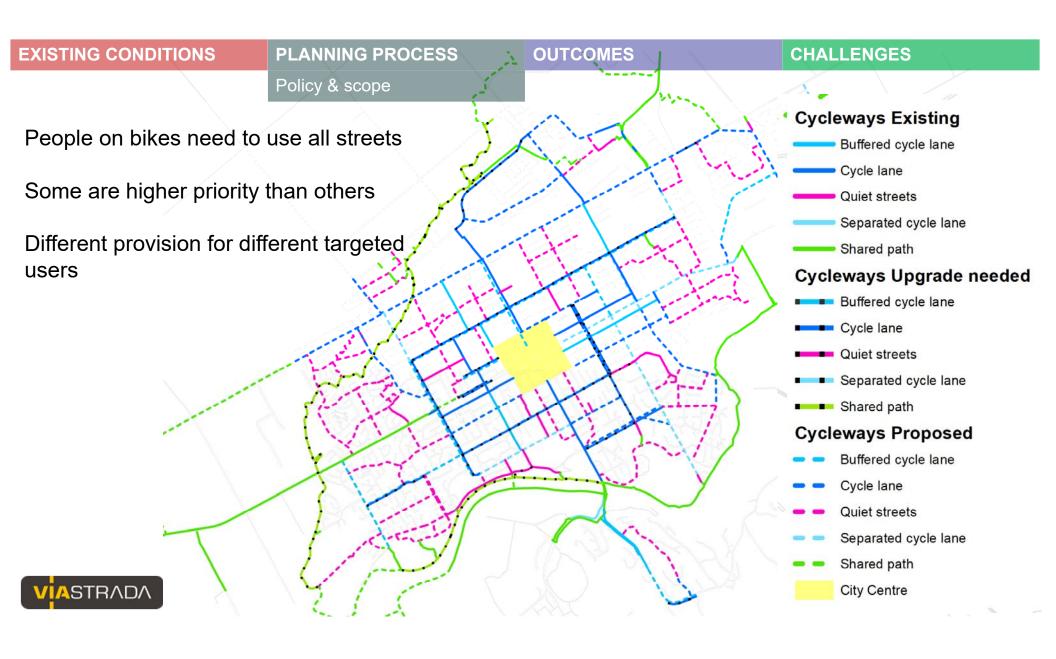












# **EXISTING CONDITIONS**

# **PLANNING PROCESS**

# OUTCOMES

# **CHALLENGES**

Find people to tell the story

#### **WORK COMMUTES**

#### GRAHAM

#### **Bus driver**

Rides to depot via Highbury Avenue, Botanical Road, and Tremaine Avenue.

Exercise at work is very slim so I bike to work to keep trim. As I drive my bus I pass cyclists without a fuss.

#### **EVERYDAY TRIPS**

#### JOE

#### Contractor

Bikes to daycare and then to job site.



#### **SCHOOL TRIPS**

#### **ELSE**

#### School student

Rides Fitzherbert Avenue every day to Palmerston North Intermediate Normal School.



#### **RECREATION, FITNESS**

# **RAEWYN**

#### Online learning specialist

In her spare time, Raewyn coordinates the iBike4kids and women's skills programme; helps people get confident and out biking



Figure 13: These Palmerston North locals are currently riding and are role models



Figure out the investment mix

# Infrastructure Enforcement Education Information AND STANGER FOR THE PERIOD CONTRACTOR OF THE P



Strategic alternatives

# Intersections



# Model communities



Schools focus



Gapfillers



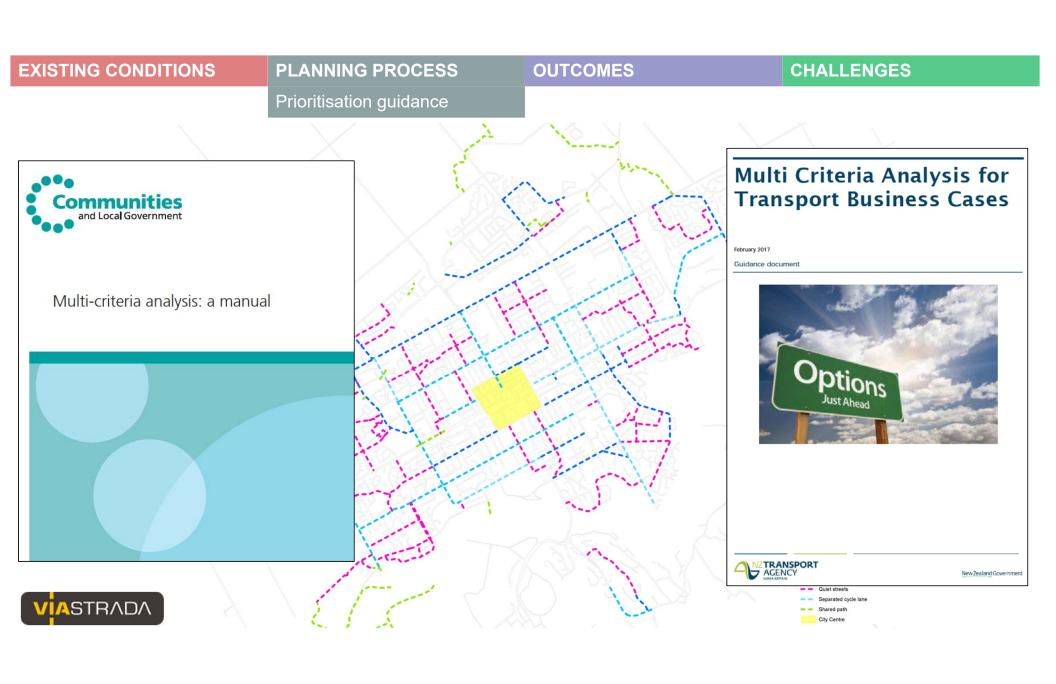
**Arterial routes** 



Local streets





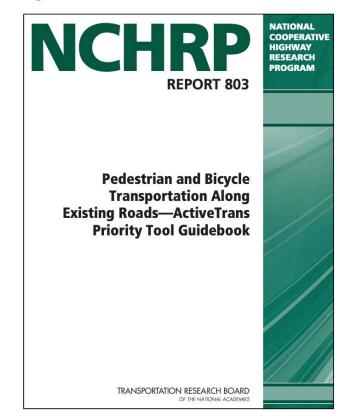


Prioritisation guidance



**ActiveTrans Priority Tool** 

 Tool developed based on experience of 50+ US cities in planning walking and cycling networks





# Factors included in the prioritisation method

# Feasibility



- Business and resident parking impacts can be mitigated
- Network operations (traffic signals, maintenance) can be mitigated
- Ease of constructability (right of way, road profile)
- Consultation requirements

#### Cost



Rough order capital cost is lower

#### Asset management



Higher priority if cycleway can be part funded through planned road surface, kerb and channel or sub-surface pipe renewals

#### Safety



- Reported crashes involving people on bikes
- Heavier traffic routes

#### Demand



- Number of residents served
- Number of age 10+ school students served

# Connectivity



Leverages previous investments in cycling network and/or connects to key activity centres / central city

# Equity

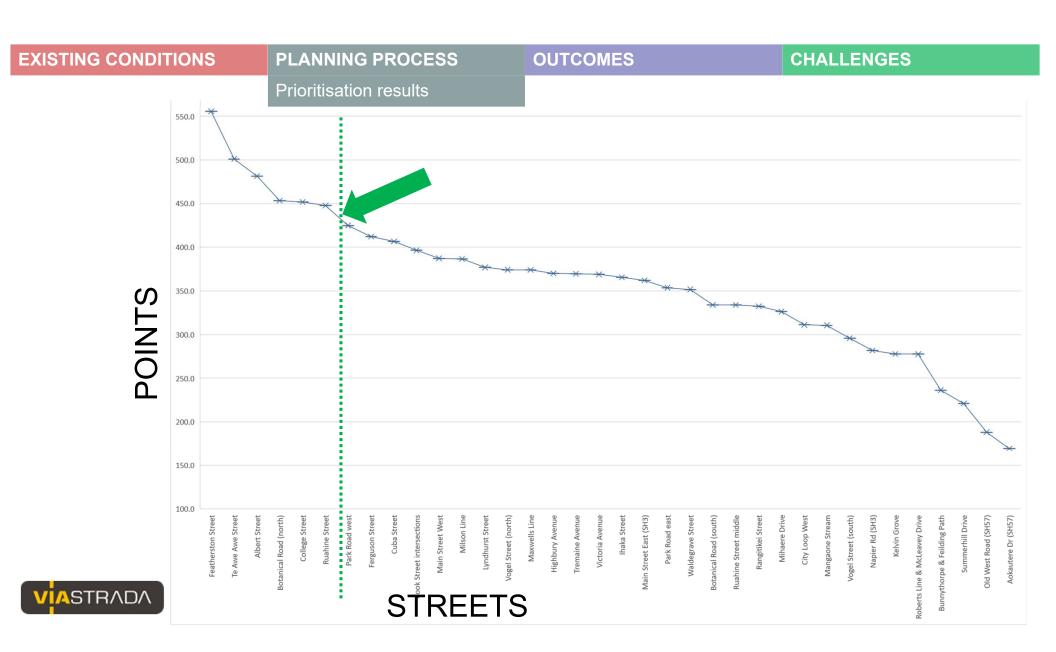


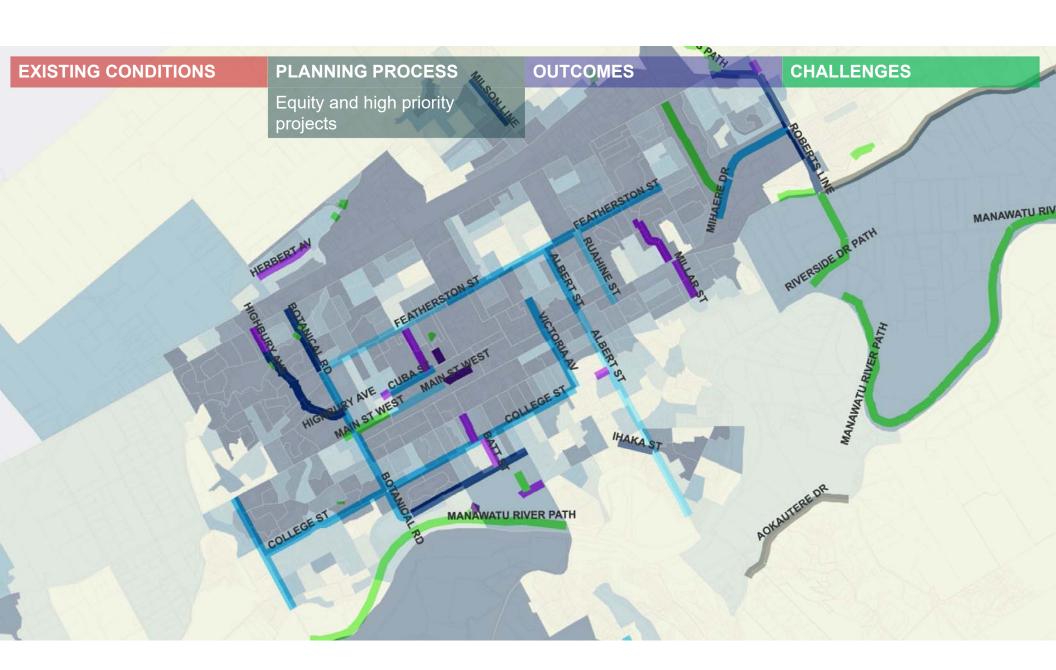
Areas of high need as defined by the NZ social deprivation index

# Modal conflict



Routes that are not freight or motor vehicle priority routes (unless there is more than enough width)

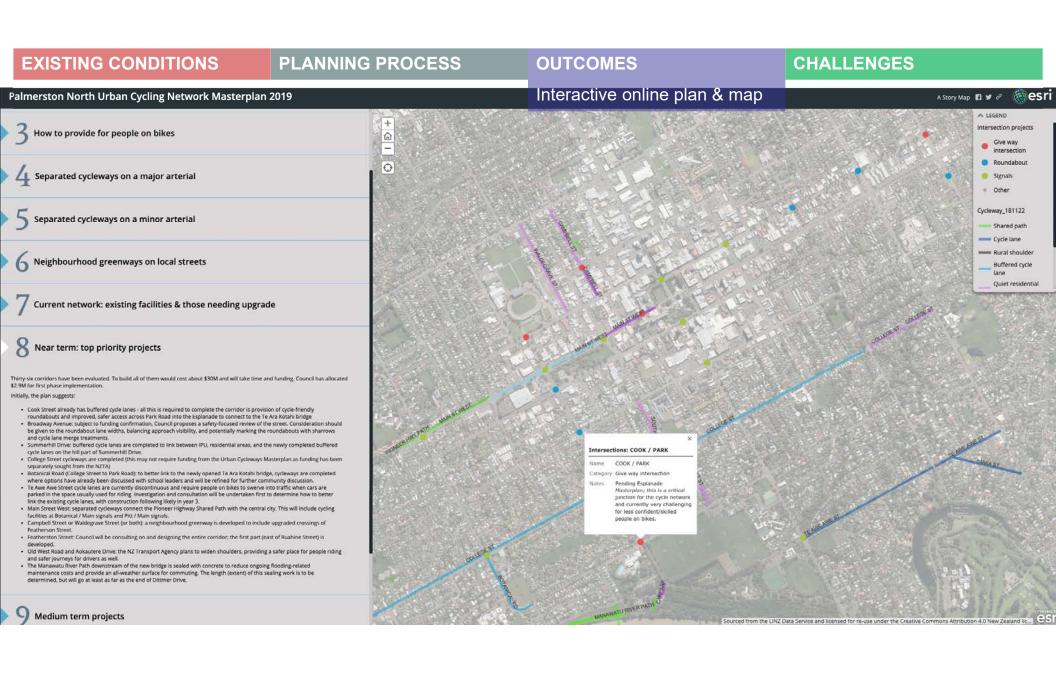




- Public facing plan (32 p)
- Online interactive plan & map (11 p)
- Business case (140 p)







- Funding is constrained
  - Unless re-prioritise transport programme
- Intersections: no lead-in cycleways
  - Unless we reallocate space or widen streets
- Local streets: LATM Policy is dated (2003)
  - Review and adopt updated policy
- Parking: no current city-wae policy
  - Build on 2016-2018 parking plan

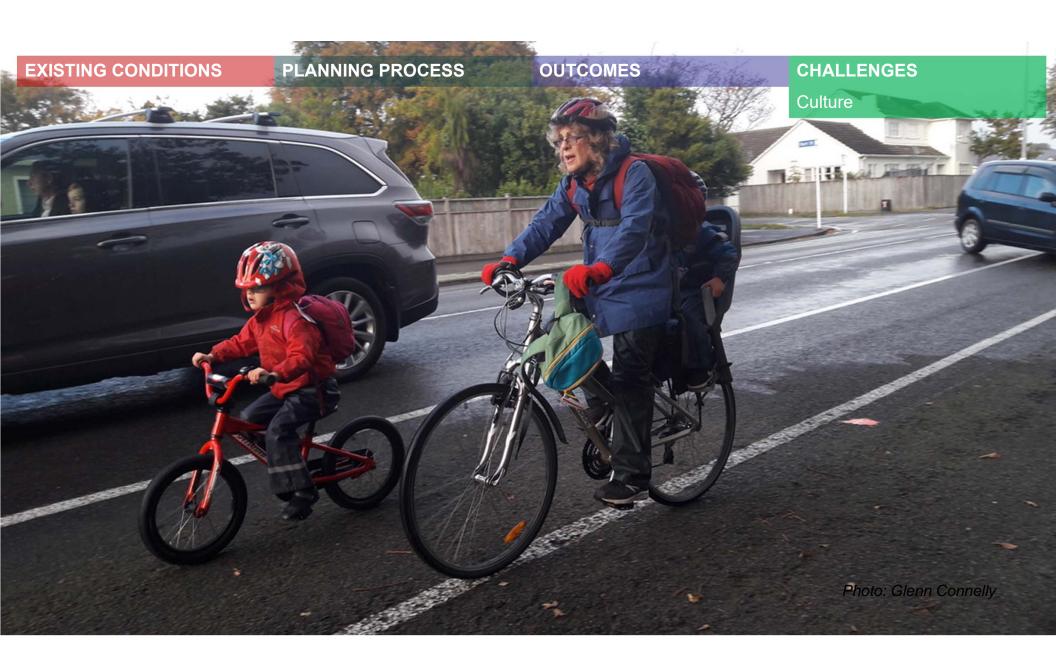


LOCAL AREA
TRAFFIC
MANAGEMENT
POLICY and
GUIDELINES

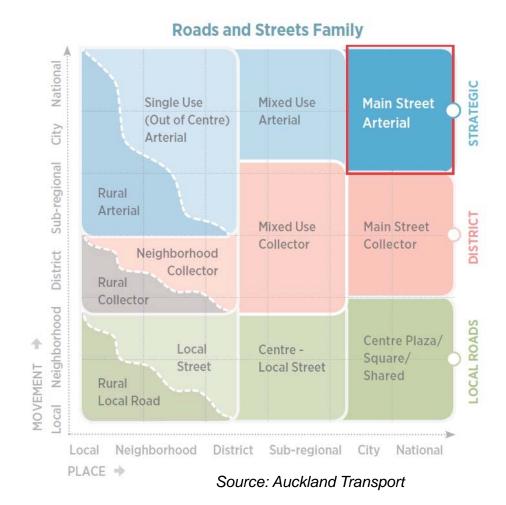


Continually improve public engagement





- Classify streets not only by car movement but also place value
- Inform future street design and renewals
- Cycleways plan will prioritise work that should not conflict with emerging framework







# Thanks!

