

# Auckland's cycling Revolution Evolution Lessons Learnt

**IPENZ Transportation Group  
Conference  
21 March 2018**

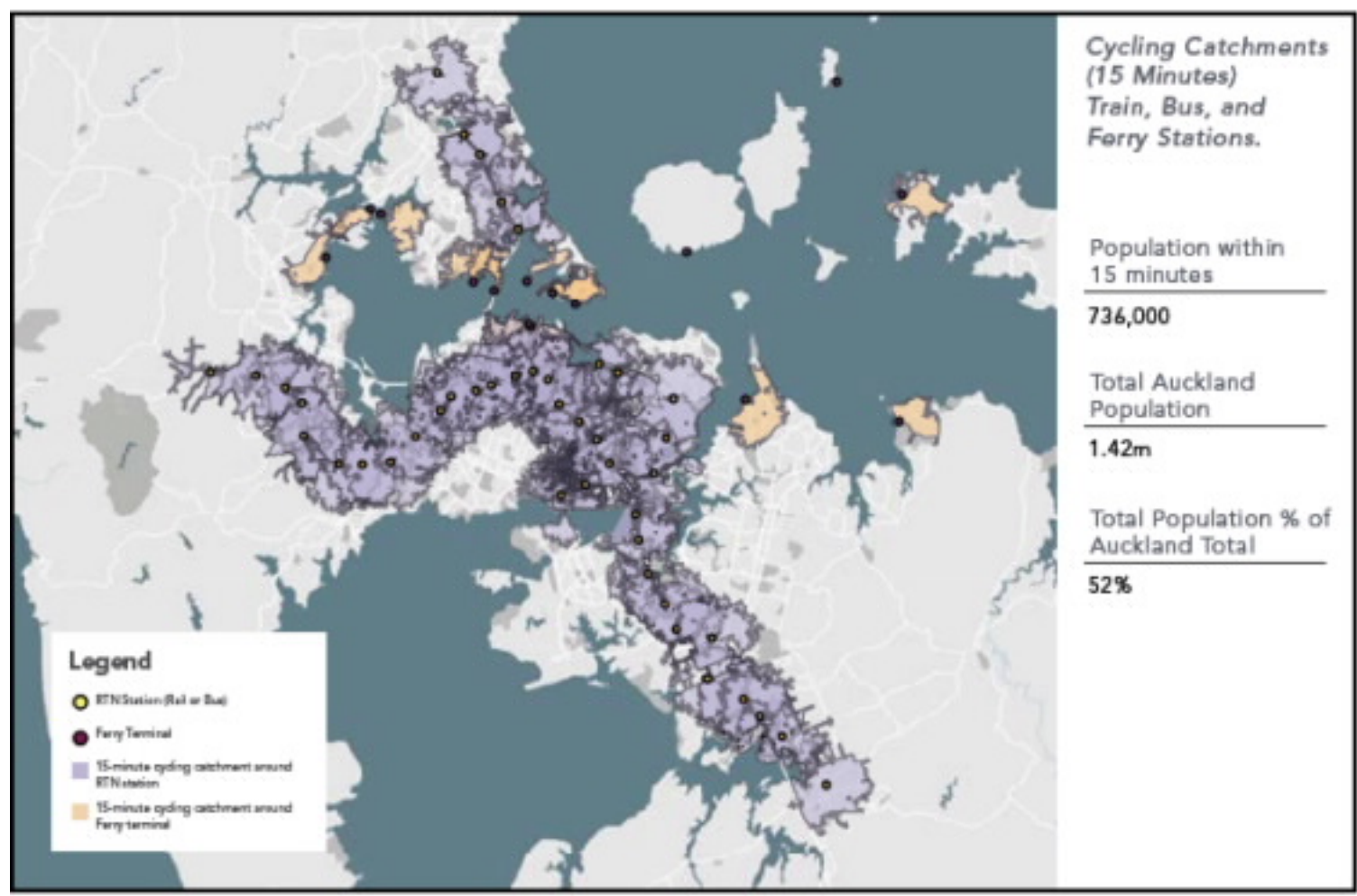
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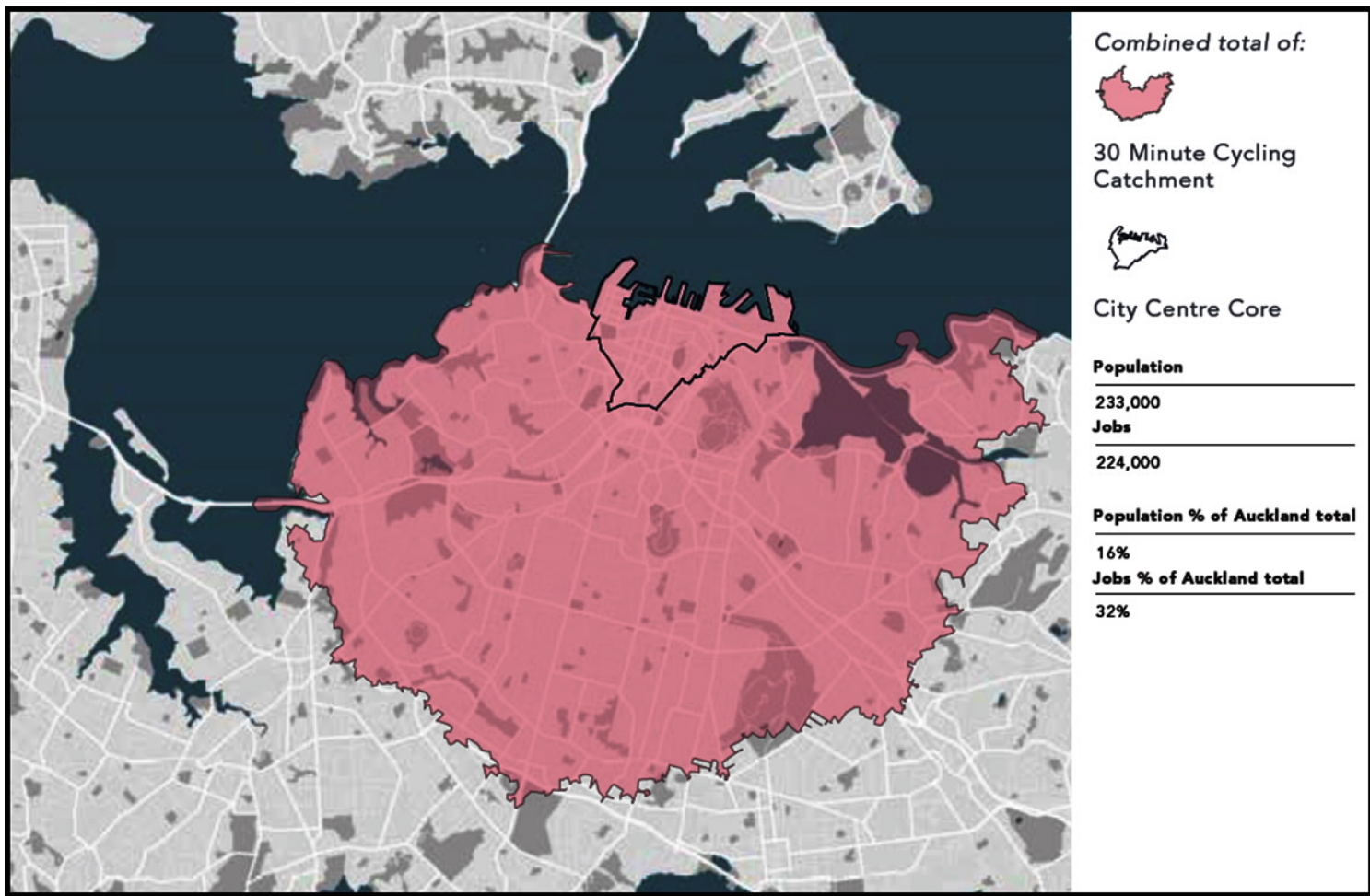
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CMEngNZ, CPEng, PRINCE2® Registered Practitioner



# Est 736,000 people in Auckland within 15 min bike ride to Train, Bus Ferry

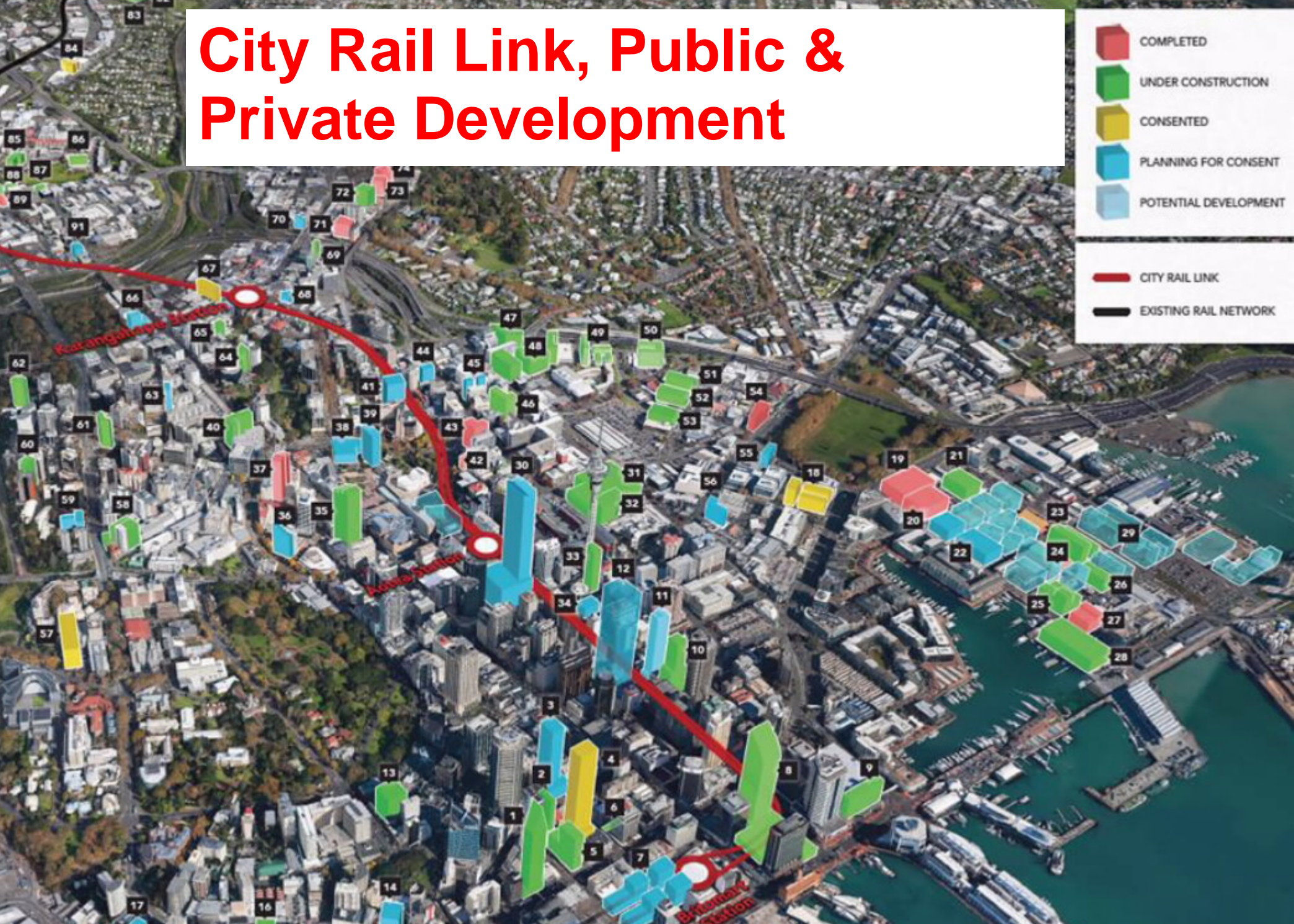


# Est 230,000 people within 30 min bike ride to city centre (224,000 jobs)





# City Rail Link, Public & Private Development





# Future Light Rail (MRT)



**& Changing Bus Networks**

# City Centre - revitalised streets, squares, new cycleways & better public transport



New open spaces



Two new streets



New ferry wharves



Future-proofing the city



Quay Street – a waterfront boulevard



Welcoming Cruise Ships to Auckland



Hosting the America's Cup 2021



About the Info Bike



# Urban Cycleway Programme launched 30 Jan 2015<sup>7</sup>

Nelson Street Motorway Offramp





New connections in the cycle network has created a

**44%**

increase in people on bikes using the Northwestern Cycleway.

**Te Ara I Whiti**



# Evolving - constraints & opportunities <sup>9</sup>

- The city continues to evolve (public & private)
- Knowledge Skills and Abilities of AT specialists and consultants is evolving
- Local policy and national guidelines are evolving
  - Roads and Streets Framework (RASf)
  - Street and Road Design Guide (SRDG)
  - Local Path Design Guide (LPGD)
  - Evaluating Quality of Service for Auckland Cycle Facilities (EQoSf)
  - Transport Design Manual (TDM to supersede ATCOP)
- Procurement & delivery are evolving
  - Design Consultant Panels

# Right from the get go



Right Mandate – be prepared to challenge the scope & objectives of Project Initiation Documentation to set the platform for success



Right Budget - will it enable a quality outcome



Right timeline - compressing timelines can artificially develop “constraints” that block better outcomes

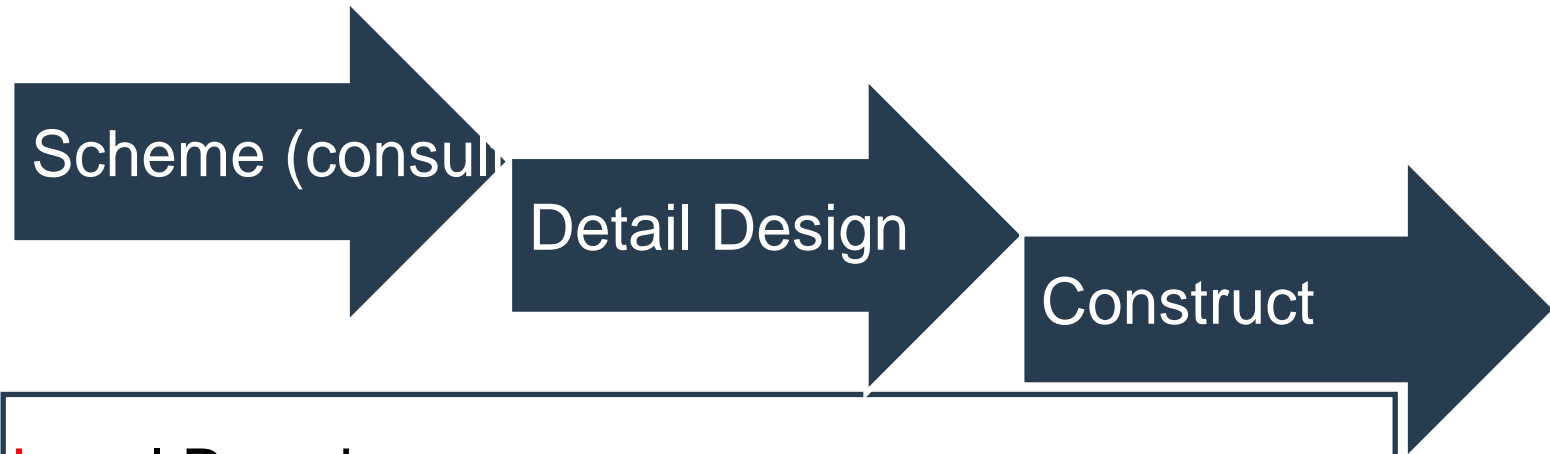


Right Team – who on the team rides a bike, has user insights and is passionate about delivering a facility that All Ages & Abilities can use



# 4 Pillars of support

Having processes (eg. Gateways) through full project development/ delivery to ensure the project has support from 4 key stakeholders



**L**ocal Board

**A**uckland Design Office (council – *Place Quality Review*)

**B**ike Auckland (Advocacy)

**C**lient – AT Walking & Cycling

# Community Liaison Group

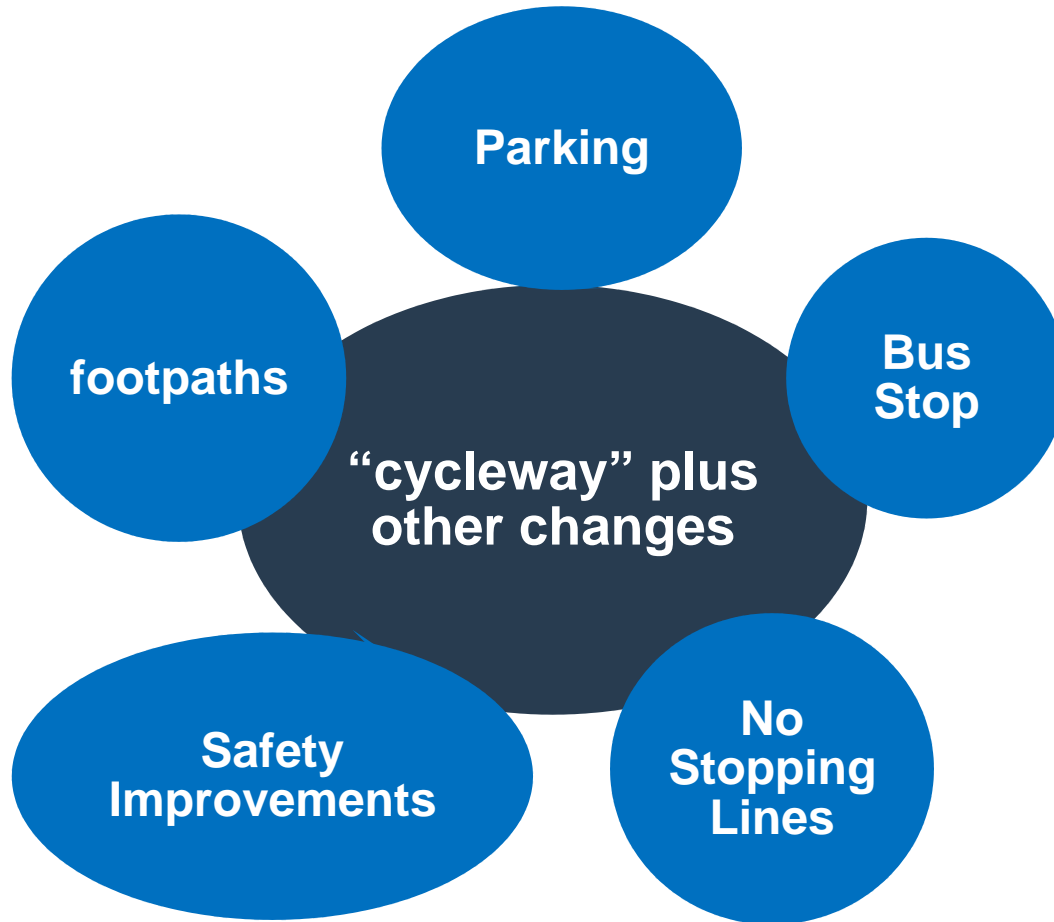
- Suggested scope of CLG
  - hear submissions from technical experts.
  - deliberate on reports and presentations
  - consider walk and cycle connections.
  - consider demand for reasonable parking spaces
  - consider PT and bus stop requirements
  - consider streetscape matters.
  - consider safety for all road users.
  - weigh up and review complex issues with a balanced view and to be fair and reasonable to all parties concerned.
  - To respect members right to free and unimpeded speech and the right to respond.
- Our projects often bring about changes for users who might not directly benefit from a new cycleway – So be prepared to answer what your project is doing for them
  - maybe its improved streetscape, pedestrian amenity and safety
  - maybe having people on bikes separated from general traffic makes driving easier



# Ride it

- Project team ride the route; assuming you can
  - Otherwise at least walk the route
  - Video it from bike perspective
  - Repeat during design process where necessary
  - Walkover route with construction plans

# Multifaceted projects



Be sure to fix existing problems – or your project will be tarnished

“Cycling” projects may need to integrate projects from other parts of the business – “dig once”

“Your” cycleway project may be seen as the “root cause” of changes – Communicate the big picture

When does a cycleway project become a streetscape project? – seek Urban Design advice



# Lay of the Land

Get a topographical  
survey early on  
(eg. Scheme)

boundary to boundary in road reserve

- by design consultant

Space is always  
an issue many constraints

- competing requirements
- need to understand 3d early on

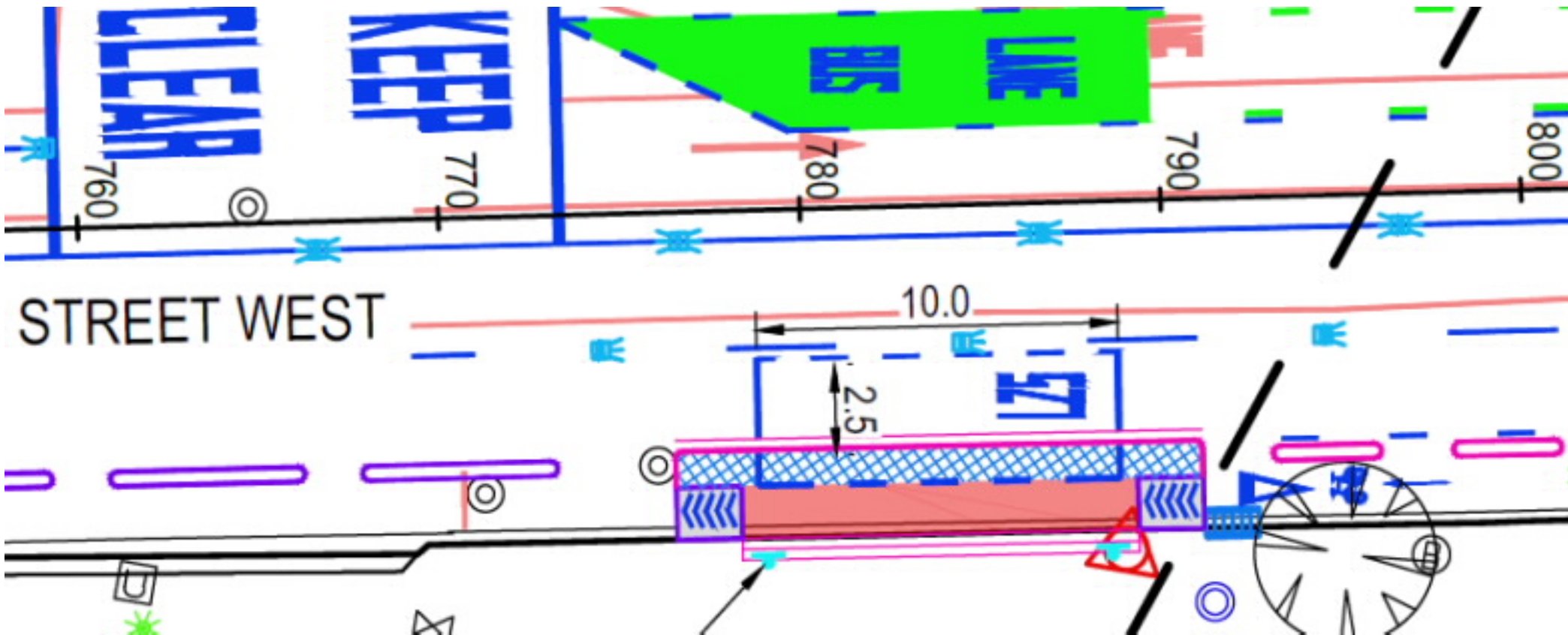
# Parking

- Many and varied types of parking
  - Unrestricted, time restricted, cost (time)
- Project can have many and varied affects
- Use language that relates to those concerned/ affected
  - eg. small businesses should be interested in customers not parking spaces
  - Communicate about customer parking opportunities
- Some parking issues might be best dealt with before the cycleway project if they need to be addressed in their own right



# Loading

- survey of loading/ unloading using 24 / 7 video
- Discuss with business owner/ operators
- Off peak loading zones – platform flush with footpath



# Loading - opportunists



Enforce using cameras





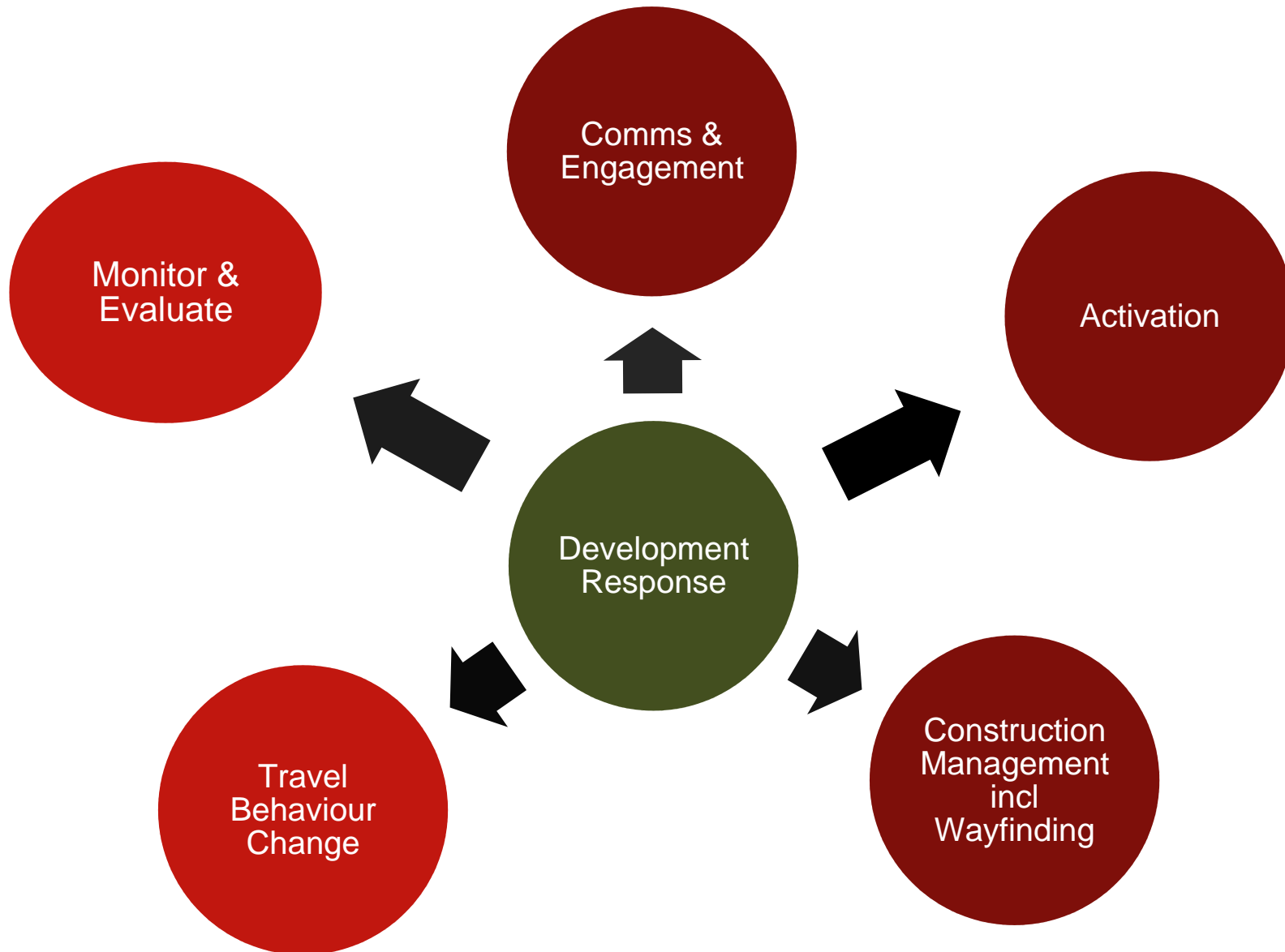
# — Rubbish —

- understand needs of each property
- public or private collection ?
- from street frontage or within site?
- how often? day of week, time of day
- what type of waste ?
- what type of truck and hence operation – side, back , something else
- Health & Safety for PoB
- work with industry





# Development Response



# Construction Sequencing

- Observe and understand the adjacent land use and how the local environment operates
- Discuss with owners/ occupiers/ operators
  - how to lessen impact (parking, noise, dust, duration)
  - if retail; what are their busy periods of day, week, month year
    - eg. work in lead up to Christmas could be a big issue but during Christmas holidays/ New year might be helpful – it depends
      - build these factors into tender documents
- Communicate early and often
  - “less is more” - frequent short updates often preferred

# Development Clashes



Understand what other development might clash with your intended delivery & what temporary plans you need to implement for vulnerable road users



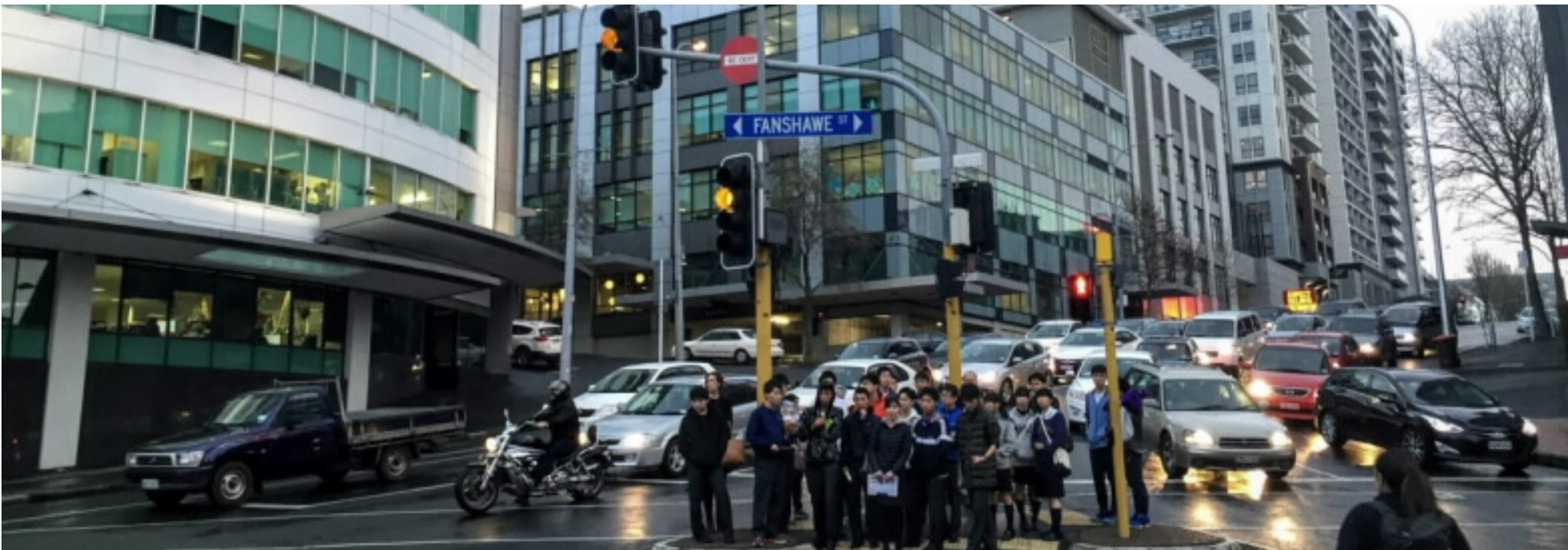
# Opening the facility

- Is it a traffic controlled/ work site one day then cycleway the next ?
  - In many cases people on bikes just start using the facilities – especially where sequentially completed along a route and its difficult to fence/ barrier off
    - Are all the signs and markings etc in place ?
      - Perhaps not eg. greening 6 weeks after surfacing
- Get all seats, benches, bins, landscaping completed before opening otherwise those that have been disrupted will feel the project looks incomplete – communicate what's happening

# Executive Leadership conversations

Discuss the project or programme pain points with leadership ...

*the "elephant in the room" ... a shift in the allocation of street space for a wider variety of users, particularly to accommodate more spatially (and environmentally) efficient modes of transport.*



# H & S and Wellbeing

Lots of “interest” by the public and media

Know how to escalate issues promptly and under whose authority different remediation can be requested

We need to evolve further and adapt to the operating environment



**“It’s a special hearing aid. It filters out criticism and amplifies compliments.”**







**Keep Calm  
Carry On  
Design & Build Cycleways**

