



Canterbury Passenger Rail Workshop 3

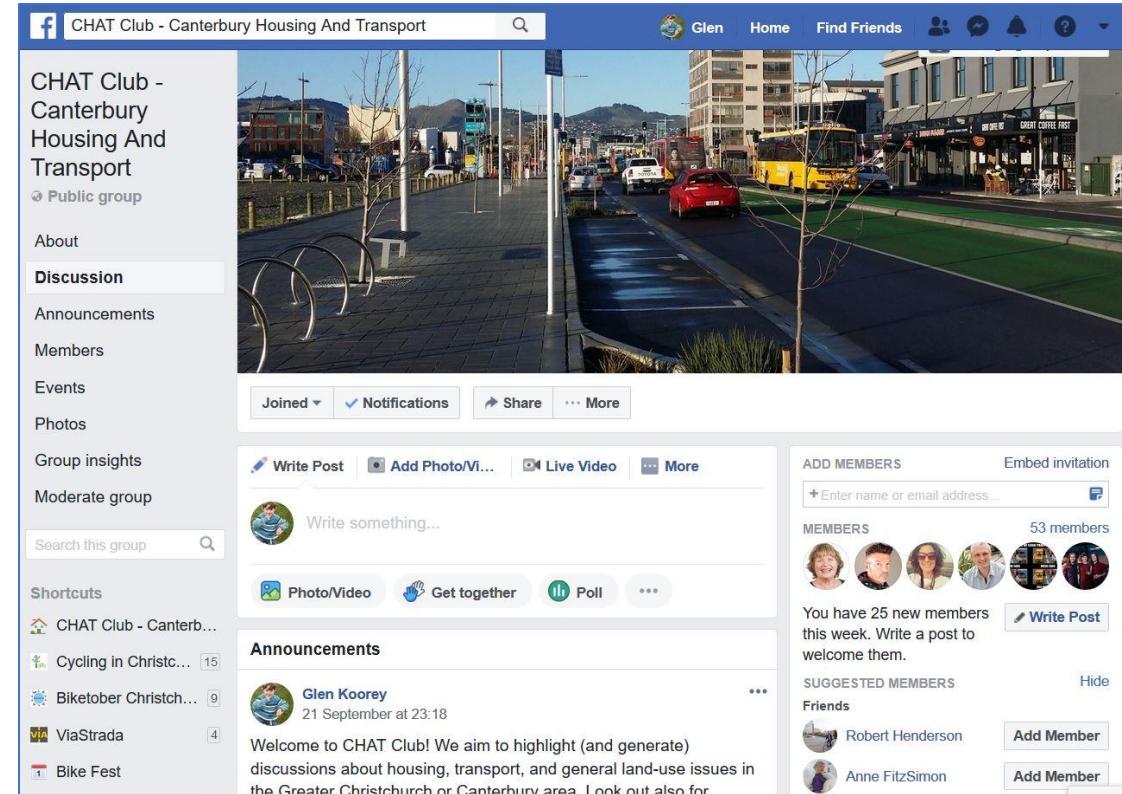
**Axel Wilke
CHAT Club**

29 April 2019

This forum brought to you by CHAT Club

CHAT = Canterbury Housing And Transport

- Discussions about housing, transport & general land-use in Greater Christchurch
- Facebook discussion group:
[fb.com/groups/248229305886431/](https://www.facebook.com/groups/248229305886431/)
- Website: ***talkingtransport.com***



Workshop invites

- Sign up to receive email invites

<http://eepurl.com/go5klr>

- You may give a little

*givealittle.co.nz/
cause/chat-club#*



Welcome to CHAT Club! We aim to highlight (and generate) discussions about housing, transport, and general land-use issues in the Greater Christchurch or Canterbury area. Subscribe to our newsletter and receive invites to events by subscribing here.

Email Address

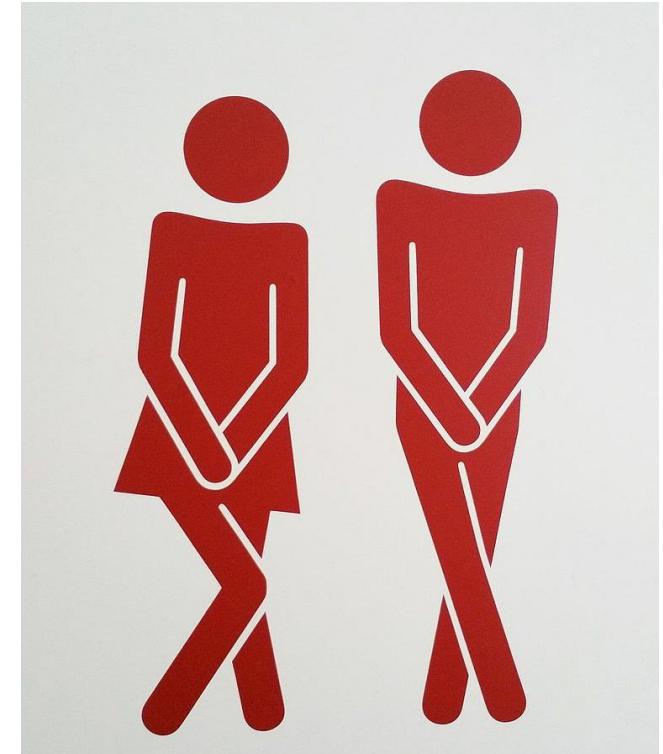
First Name

Last Name

Organisation

Subscribe

Housekeeping



Programme for tonight (6.00 – 7.30)

- Brief recap of previous 2 workshops
- Roadmap
- What **objectives** should we have for rail?
 - Group discussion / feedback
 - Menti exercise
- Guest speaker: How to Deliver “Density Done Well” – **Mark Fraser of the Hobsonville Land Company** (incl. questions)
- Chris Morahan – How do these workshops fit into the big picture?
- Wrap-up / next steps

Previous 2 workshops

- 25 February 2019
 - 3 background presentations
 - Workshops / mapping
- 29 March 2019
 - Menti exercise on problems
 - Hon Phil Twyford speaking
 - Axel Wilke on Northern Corridor



Roadmap

Glen Koorey

Transport Engineer/Planner



What's the Endgame...?



Phil Twyford:

“I’m waiting for a really good proposal from your elected leaders.

*This proposal’s got to be part of a joined up and credible **transport and housing and urban growth plan**.*

It’s got to be supported by all of your elected leaders, and it’s got to be prioritised through your regional land transport plan.”



Roadmap so far...

Transport



Is Chch Too Small for Commuter Rail?

- Freiburg, Germany: pop. 240,000
 - (350,000 greater urban area)
- Nancy, France: (400,000)
- Karlsruhe, Germany: 310,000
- Ghent, Belgium: 260,000 (590,000)
- Newcastle, Aust: 160,000 (320,000)
- Canberra, Aust (Apr 2019): 410,000

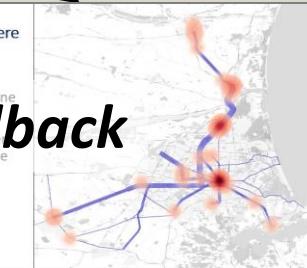
Light Rail



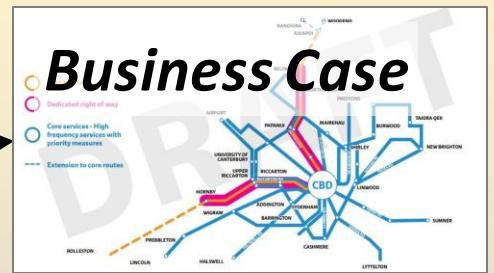
5. Ultimately, where should rail go?

• Blue lines – one line per group
• Red lines – if mentioned more often

Feedback



Nthn Corr.



Linking Problems to Objectives

- Problems lead to various adverse Consequences
- Problems suggest possible Solutions
- Achieving the Objectives of these Solutions result in Benefits that are the Resulting Consequences

Objectives



Problem 1: Continued unreliable travel times

Explanation:

- As city continues to grow (esp. outwards):
 - More people → more cars → more congestion
 - Likelihood of unexpected delays grows
 - Bus
 - Car
- All lead to a loss in productivity



Problems

Our guest speaker

Hon Phil Twyford

- Minister for Housing and Urban Development
- How could a Housing & Urban Development Authority help Greater Christchurch?

Go to www.menti.com
Enter code number: 23 78 32



20 houses per hectare

Housing

Land Use

Our guest speaker

Mark Fraser

- Hobsonville Land Company
- Managing Director

HLC

"Land use density done well!"

Go to www.menti.com
Enter code number: 23 78 32



Roadmap... the Endgame

Transport



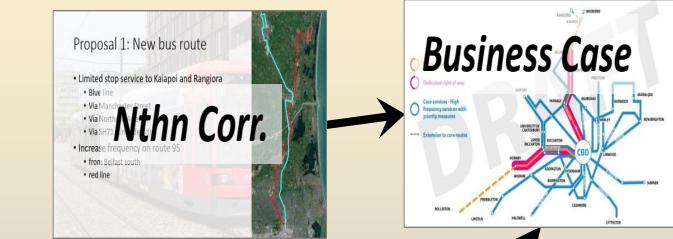
Rail History

Is Chch Too Small for Commuter Rail?
• Freiburg, Germany: pop. 240,000
• (350,000 greater urban area)
• Nantes, France (pop. 300,000)
• Ghent, Belgium: 280,000 (390,000)
• Newcastle, Aust: 160,000 (320,000)
• Canberra, Aust (Apr 2019): 410,000



Light Rail

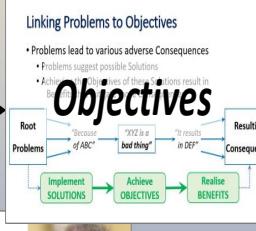
5. Ultimately, where should rail go?
• Plus lines – one line
• If mentioned more often
Feedback



Problem 1: Continued unreliable travel times
Explanation:
• As city continues to grow (esp. outwards):
• More people → more cars → more congestion
• Likelihood of unreliable travel times grows
• All lead to a loss in productivity



Problems



Objectives



Our guest speaker
Hon Phil Twyford
• Minister for
Phil Twyford
"How could a
Housing & Urban Development Authority
help Greater Christchurch?"

Go to www.menti.com
Enter code number: 23 78 32

Options

Evaluation

Governance

Funding

A PLAN!
(and how to do it...)



Housing



Our guest speaker
Mark Fraser
• Hobsonville Land Company
Mark Fraser
"Land use density done well"

Go to www.menti.com
Enter code number: 23 78 32

Land Use

What are the Objectives that Rail should have?

Glen Koorey

Transport Engineer/Planner

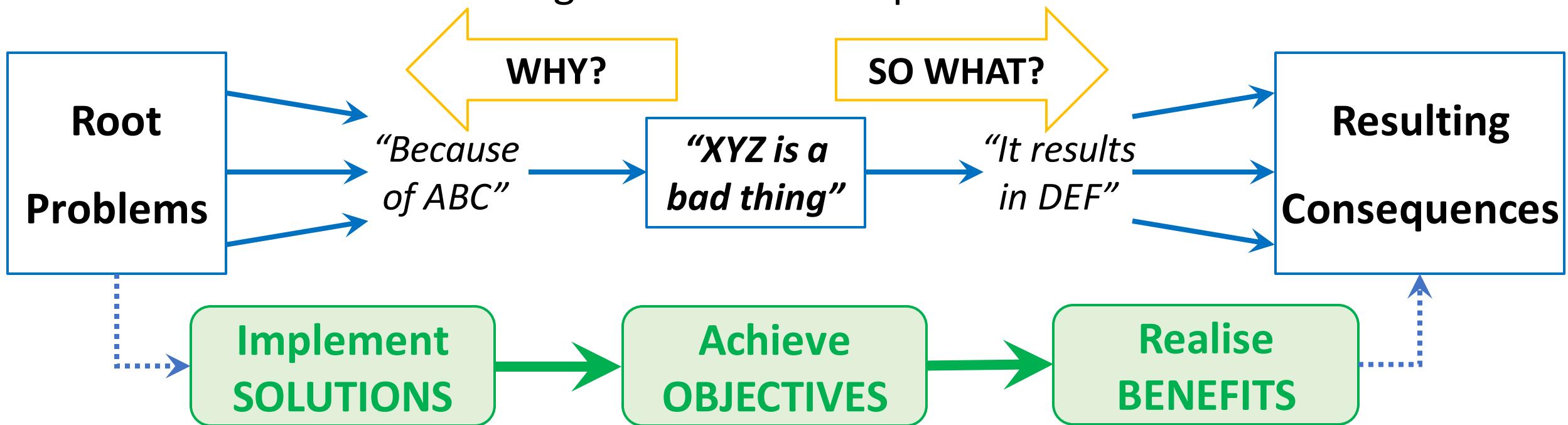
Now one step forward...

What could "passenger rail" help achieve for us?

- Need to identify Objectives we might want to use as Measures of Success
 - These might be direct/immediate impacts
 - OR they might be long-term benefits
- Using these Objectives, we could compare the relative utility of *different* possible project options ("Solutions")

Linking Problems to Objectives

- Problems lead to various adverse Consequences
 - Problems suggest possible Solutions
 - Achieving the Objectives of these Solutions result in Benefits that mitigate those Consequences



Recall: Agreed Problems

1. Continued unreliable travel times
2. Increasing difficulty providing housing that has good access
3. Continued poor perception/experience of public transport
4. Continued reduced wellbeing for society
5. Continued degrading of environmental outcomes
6. Poor/inefficient use of space

What Objectives would counter these?

Suggested Objectives

1. More reliable travel times
2. More housing that has better access to services, etc
3. Better perception/experience of public transport
4. Improved wellbeing for society
5. Improved outcomes for environment
6. Better/more efficient use of space

Have we got these right?

Over to you! Group-work (~15 mins)

In your tables (*move around if you wish*):



- **Group discussion** about Objectives identified
 - Have we got these right? (wording, scope, etc)
 - What is the relative importance of each Objective?
We will go around to figure out whether the Objectives are correct
- We will **report back** on what we hear
 - Adjust any Objectives if need be
- **Individual rating** of each Objective – how important are they?
 - Menti.com exercise using your smartphone (*explained later*)
 - Brief look at results and comment

Menti exercise: How important is each Objective?

You will use your smartphone to do a live rating of Objectives

- Go to www.menti.com
- Enter code number: **16 57 48**
- Allocate 100 points across all Objectives
 - Could allocate equally (eg 6×16.7)
 - OR weight some higher/lower
- Click "Submit"
- Overall group results will then be shown



Please enter the code

The code is found on the screen in front of you

A photograph of a residential street featuring a row of modern townhouses. The houses are built on a slight incline, with varying colors including grey, blue, red, and yellow. In the foreground, a paved path leads down towards a body of water, possibly a lake or river. The overall scene is a mix of urban living and natural beauty.

Mark Fraser
Hobsonville Land Company

Our guest speaker

Mark Fraser

- Hobsonville Land Company
 - Project Director



“Land use density done well”

Go to www.menti.com

Enter code number: **16 57 48**

Ask questions during presentation





Business Cases (and where CHAT Club fits in)

Chris Morahan

Transport Engineer/Planner

Phil Twyford:

Further to the Minister's call for a transport / urban growth plan:

"I would like nothing better than to talk to you about what this plan would look like for Canterbury and how central government can work with your local government leadership to achieve it"



Strategic Business Case

Is there a case for change?

Yes there is a case for increased investment in public transport in Christchurch

2041 Daily Mode Share To / From Central City (excludes walking)

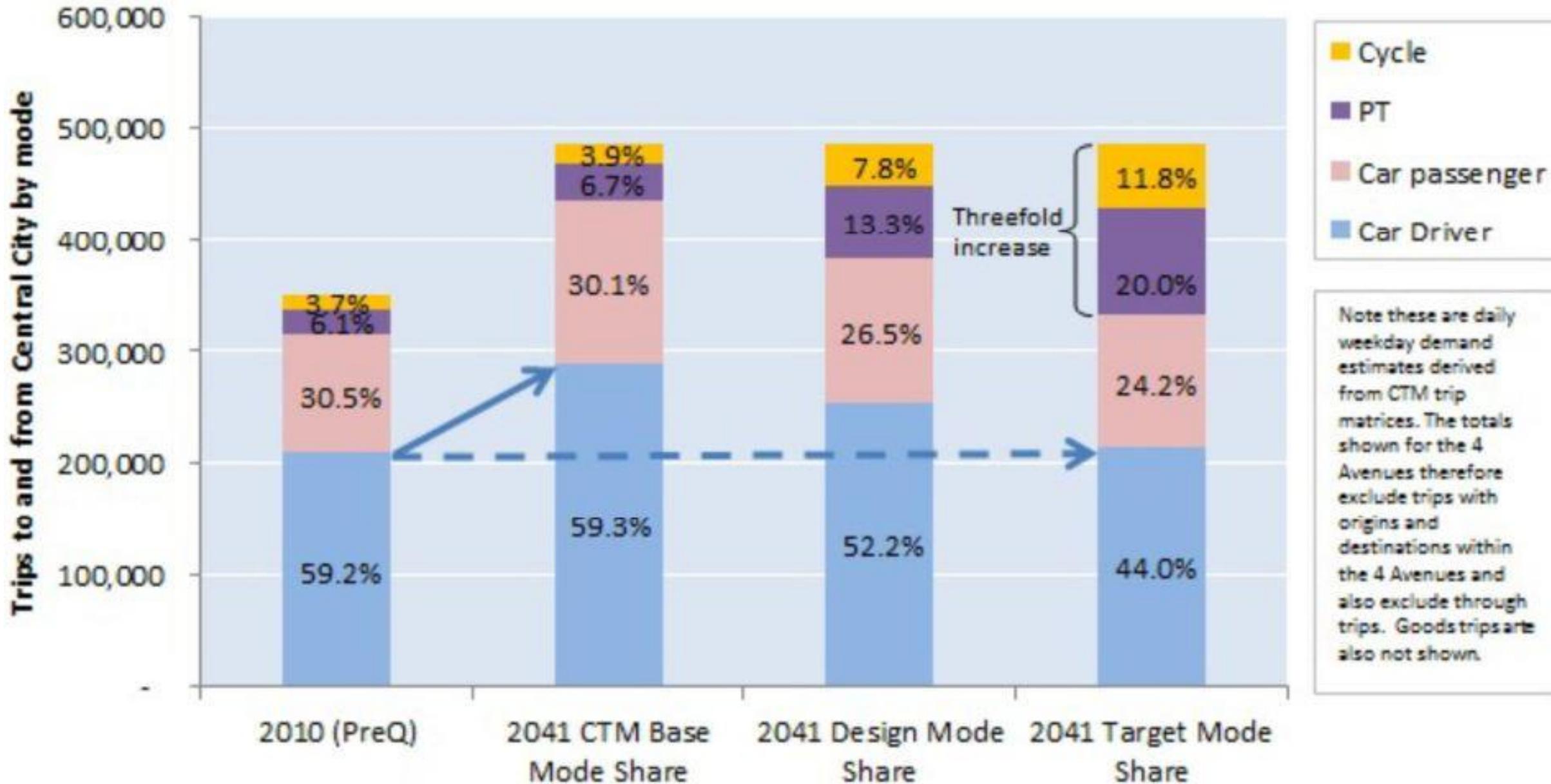
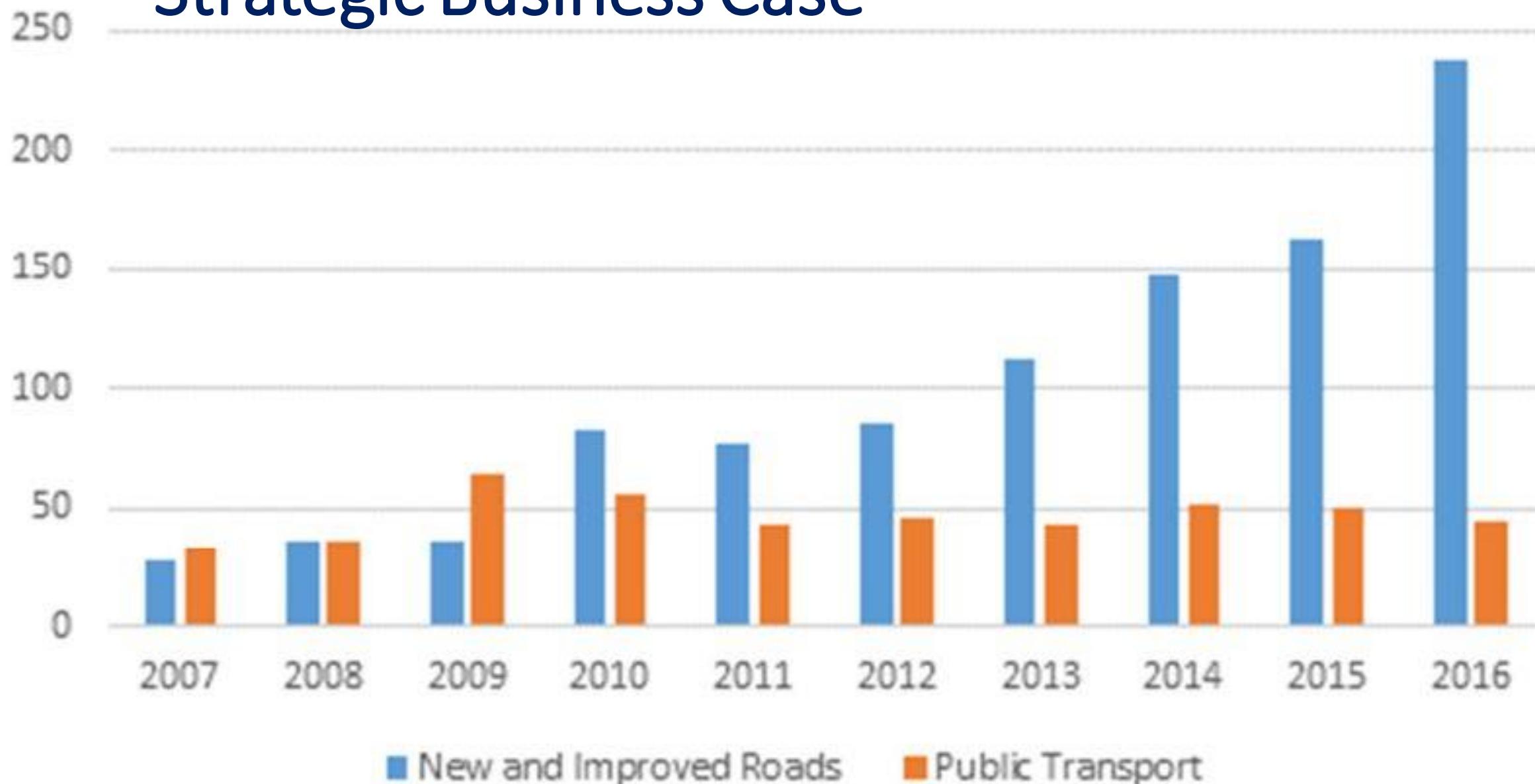
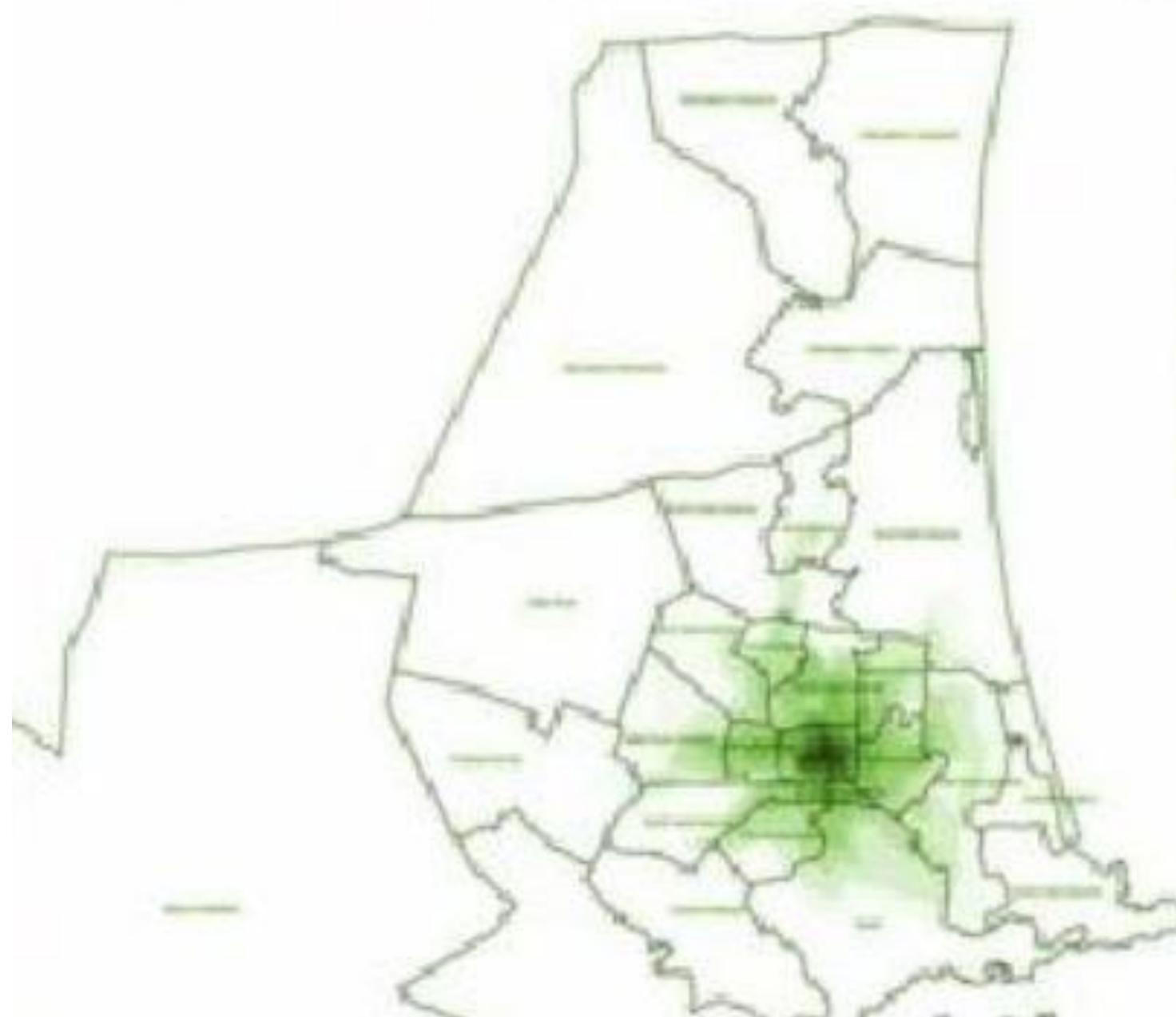


Figure 14: Transport Spending in Canterbury per Year**

Strategic Business Case



Accessibility to CBD - 2021 AM (Bus)

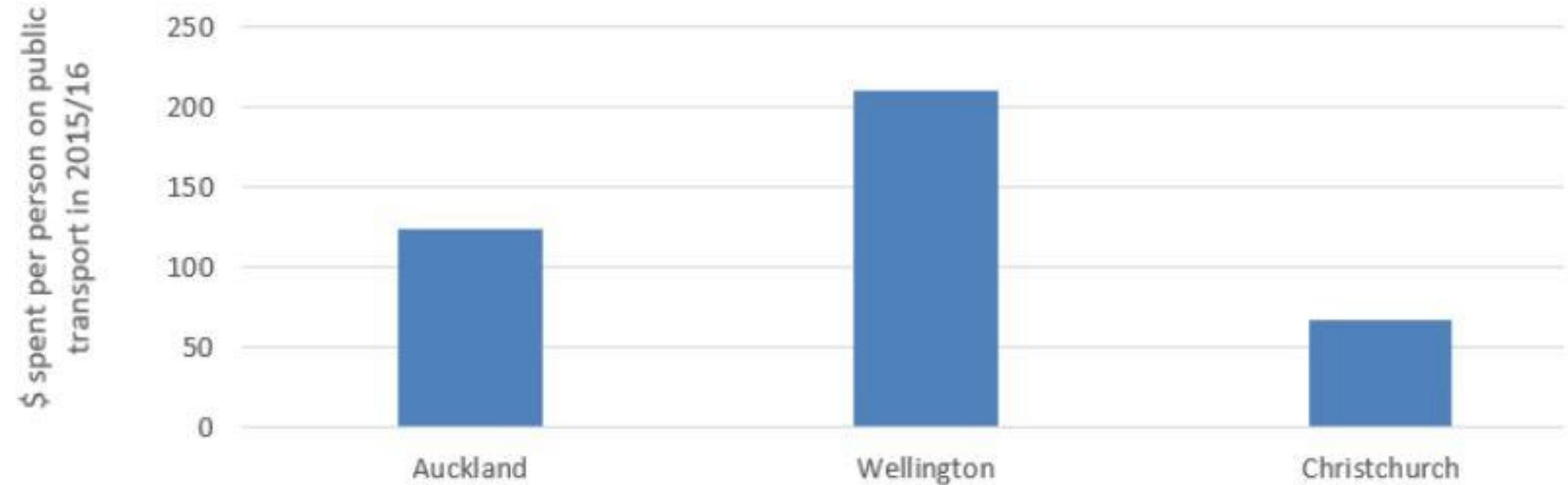


Legend (minutes)

Zones-2021_V9_Centroids_Bus_CBD_21

0.0000 - 5.0000
5.0000 - 10.0000
10.0000 - 15.0000
15.0000 - 20.0000
20.0000 - 25.0000
25.0000 - 30.0000
30.0000 - 35.0000
35.0000 - 40.0000

Strategic Business Case



Programme Business Case

What programme of investment should be considered (i.e. what type of investment is needed)?

Rapid Transit to the north and south-west, and improved bus services to the rest of the city.

1. Foundations

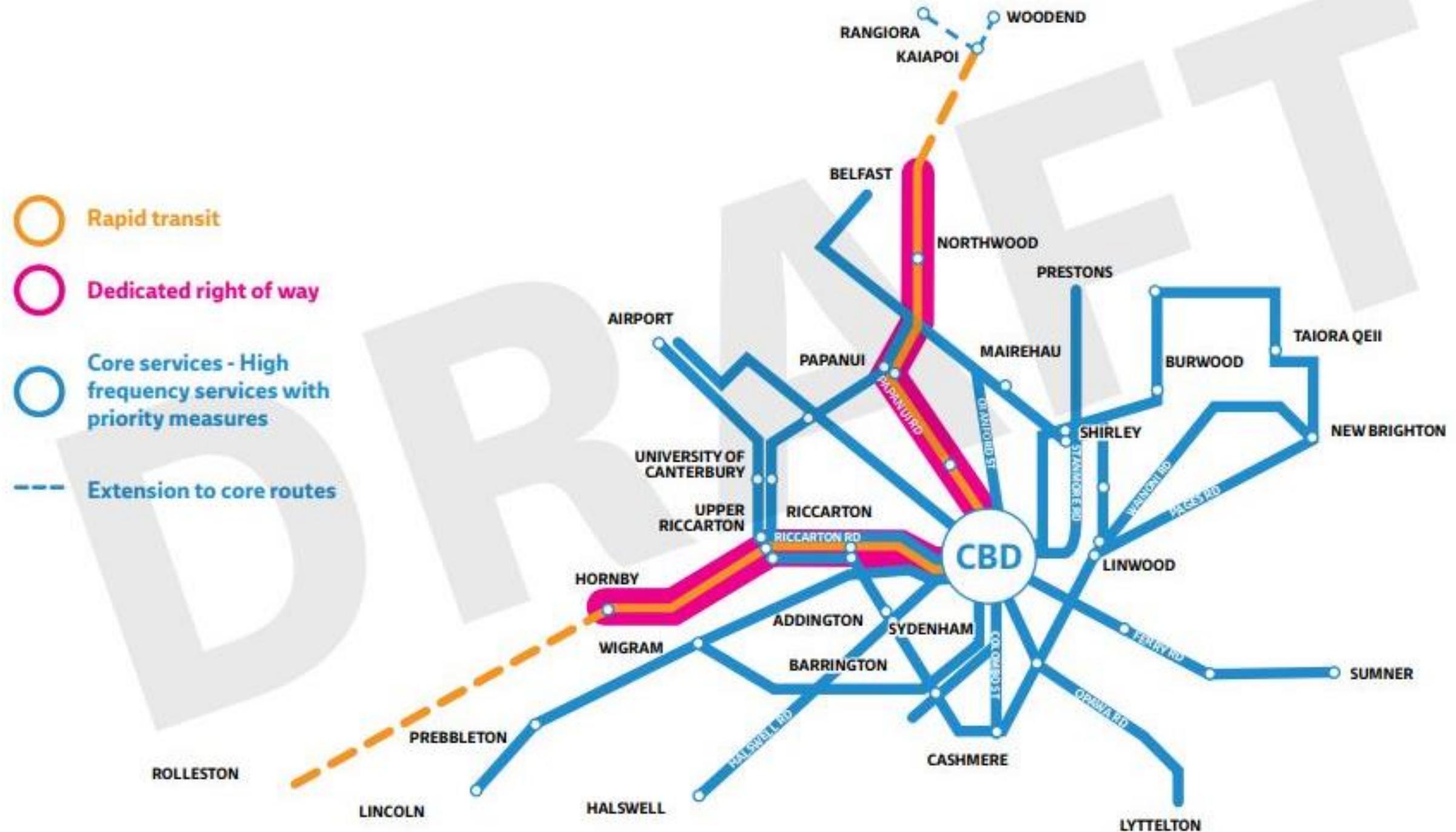
- Initially increase bus frequencies
- Upgrade vehicles and stops
- Make minor bus priority improvements
- Trial demand responsive transit

2. Rest of Network

- Increase number of core high-frequency routes from 5 to 9
- Try to make the bus lanes better (more continuous) on the Riccarton and Papanui Road corridors
- Identify and protect rapid transit corridors
- Multi-modal interchanges (park'n'ride, bike share and bike parking)
- More vehicle upgrades
- Higher frequencies and extended operating hours
- Demand responsive transit

3. Mass Rapid Transit

- Mass Rapid Transit to the north and southwest



Next steps

- Detailed Business Cases
- For Mass Rapid Transit this includes figuring out:
 - Routes
 - Mode
 - Extent
 - Level of Service
 - Probably staging

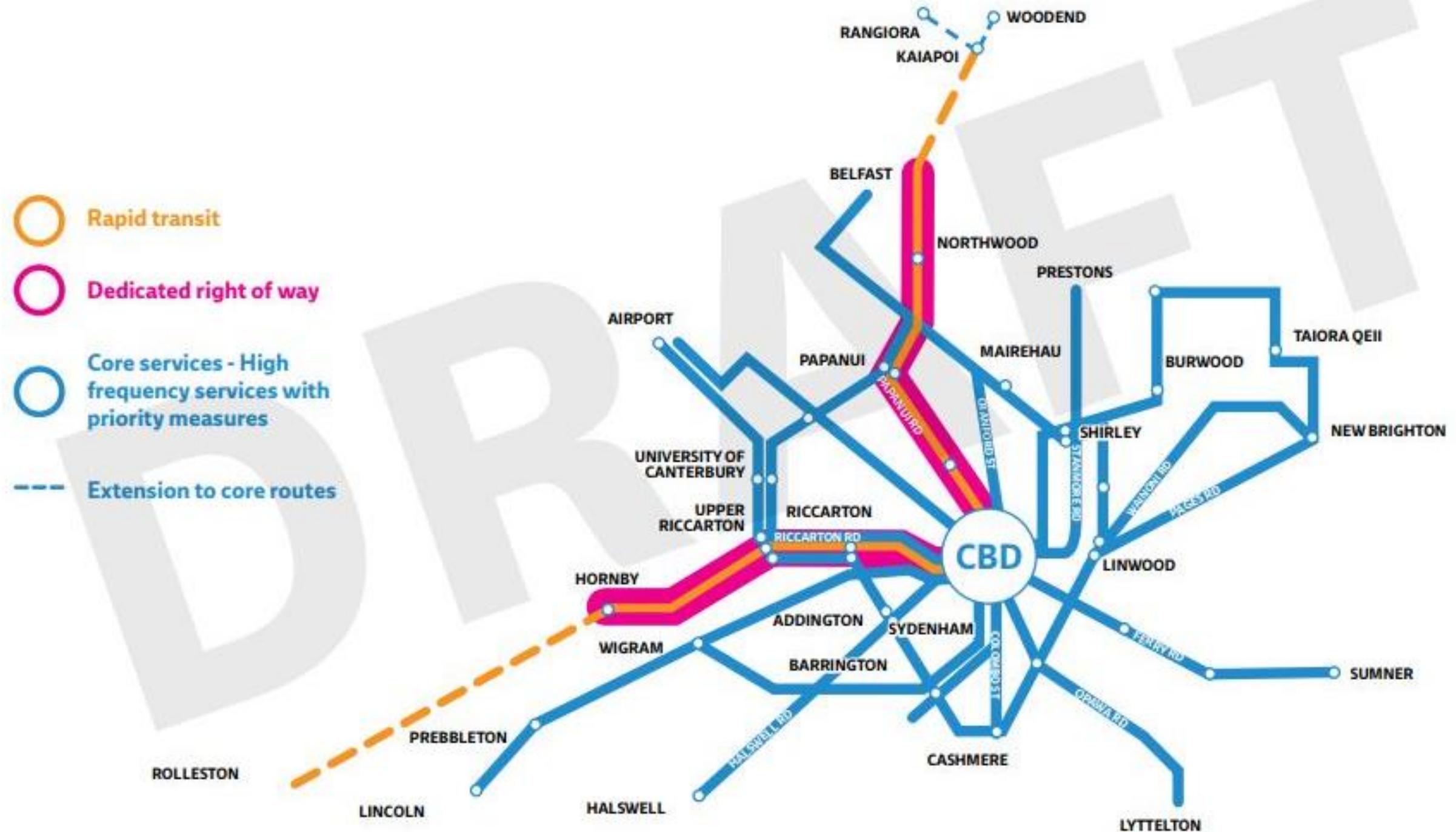
Timing

Years	1 – 3	4- 10	10+
Foundation	Business Case for Prioritised Programme or Price Level Increase	Design & approvals	2021-2031 LTP: Implementation
Rest of Network	Service Review	Business Case	Design & approvals
Mass Transit	Business Case for Mass Transit North to Southwest	Route protection and Designations	Design & approvals

Figure 16 Figure 15 Indicative Programme / Sequencing

So how does CHAT Club fit in?

- Expanding the conversation
 - getting people up to speed with land-use and transport issues
 - introducing potential / novel ideas
 - obtaining feedback from you!
- Politics
 - make sure it gets traction and it gets implemented
 - raising awareness of interested parties, e.g. media
 - identifying potential roadblocks to implementation



Menti exercise: What did you think of tonight?

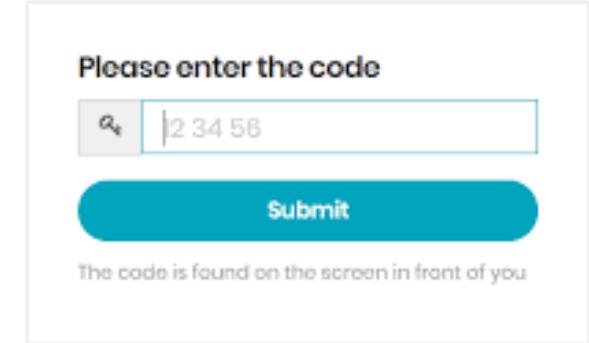
Use your smartphone to give us some feedback



- Go to www.menti.com
- Enter code number: **16 57 48**
- Write some comments (up to 250 characters)
 - What did you learn? What did you like?
 - What didn't we cover? What do you disagree with? etc, etc

(You can submit more than one comment if you wish)
- Click "Submit"

(you can wait until the end to do this survey)

A screenshot of the Menti survey interface. It shows a text input field with the placeholder "Please enter the code" and a code "123456" entered. Below the input is a "Submit" button. A note at the bottom says "The code is found on the screen in front of you".

Follow up

- We will collate your workshop contributions
 - Collect your worksheets
 - Menti survey feedback
- Report back via
 - Talking Transport: www.talkingtransport.com
 - CHAT Club Facebook page: fb.com/groups/248229305886431/
(CHAT Club – Canterbury Housing and Transport)

Next workshop – same venue in 4 weeks

- Monday, **27 May 2019**
- 6:00 to 7:30 pm
- Taurorū / TSB Space at Tūranga
- Key theme: *How do we make this happen in Canterbury?*

Talking Transport:

www.talkingtransport.com

CHAT Club Facebook page:

fb.com/groups/248229305886431/

Thank you!

- Don't forget to complete your final Menti survey (feedback)
 - Go to www.menti.com
 - Enter code number: **16 57 48**

See you next time!

givealittle.co.nz/cause/chat-club#

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from the  Spark Foundation