

# Integrated Planning & Design

## The Key to our Rapid Transit Future?

**Jane Rennie**  
Urban Designer | Partner

# Our Rapid Transit Future

What does this look like?

...a pathway to a sustainable future



# The Benefits of Rapid Transit?

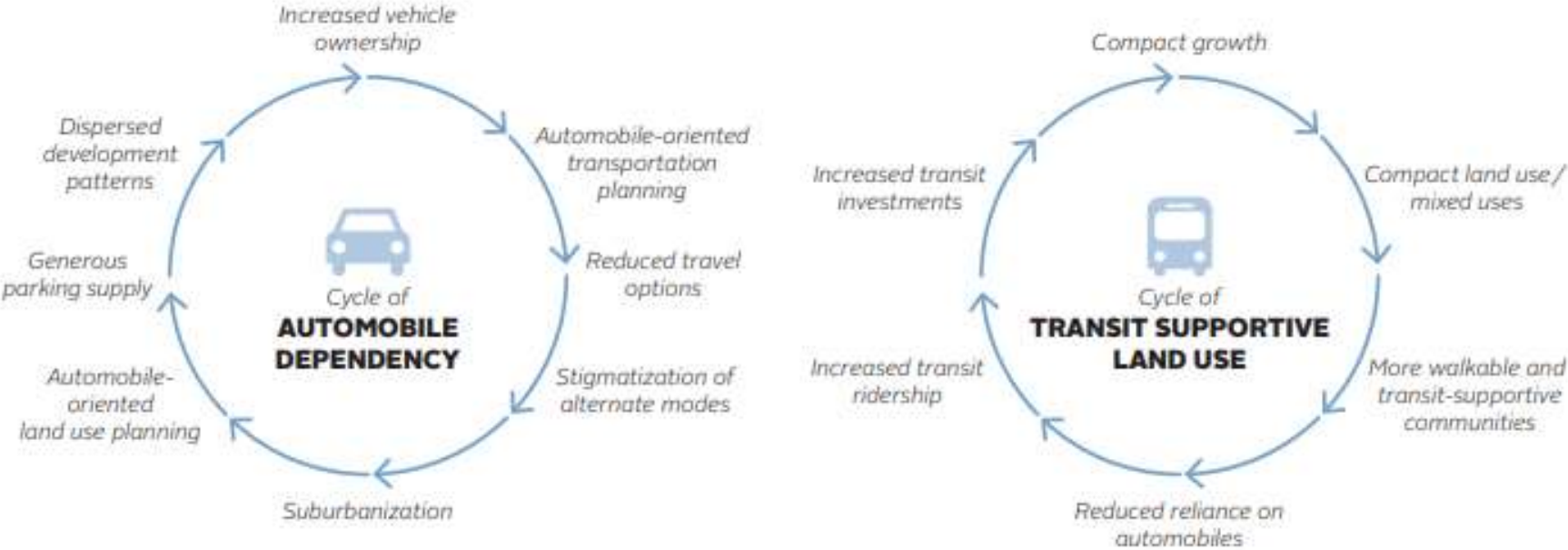


Figure 5: Cycles of auto-dependent and transit-supportive land use

# Our Rapid Transit Future...

Creating a future city that is reflective of our...

***Tangata – People***

***Te Rakau Taumata - Place***

***Te Tauihutanga - Identity***

What will it take?

1. A shared vision
2. Planning ahead
3. Good practice urban design

1

Shared Vision

# A Shared Vision...The Key to Success?



1

Shared Vision

# What do Bergen, Waterloo & Spokane have in common?



1

Shared Vision

# A Shared Vision...The Greater Christchurch Story



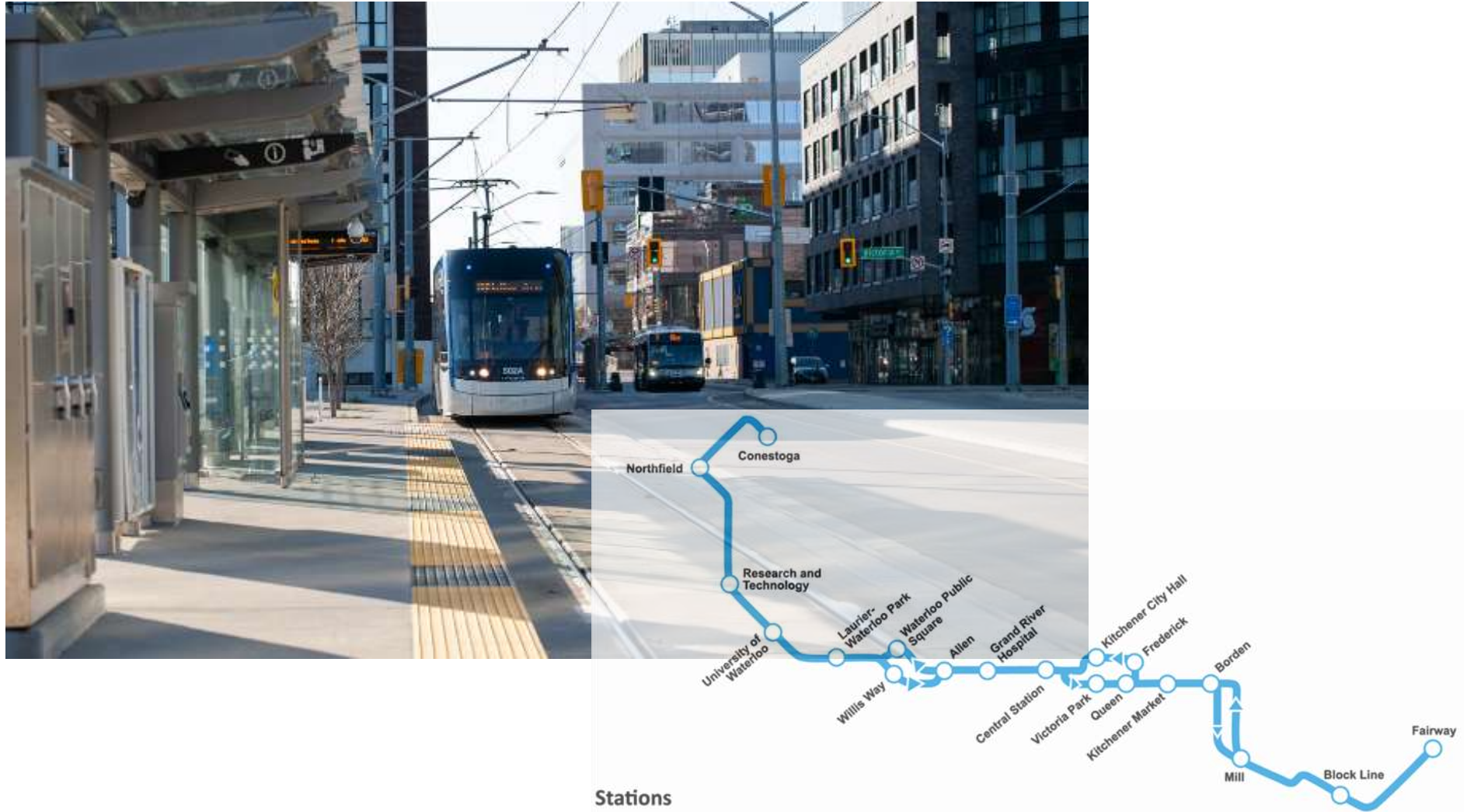




1

Shared Vision

# A Shared Vision...Lessons from ION



# 1

Shared Vision

## A Shared Vision... Lessons from ION

MRT implementation is '*one of the few options a city authority can undertake to support transformational change in urban development*'. ION



# 2

Planning ahead

## Planning Ahead...

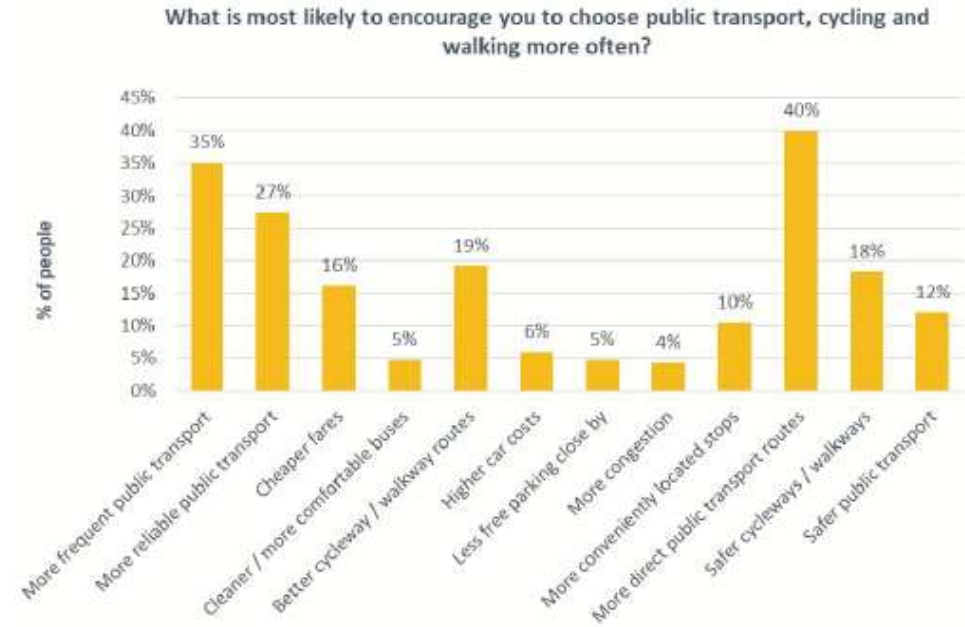
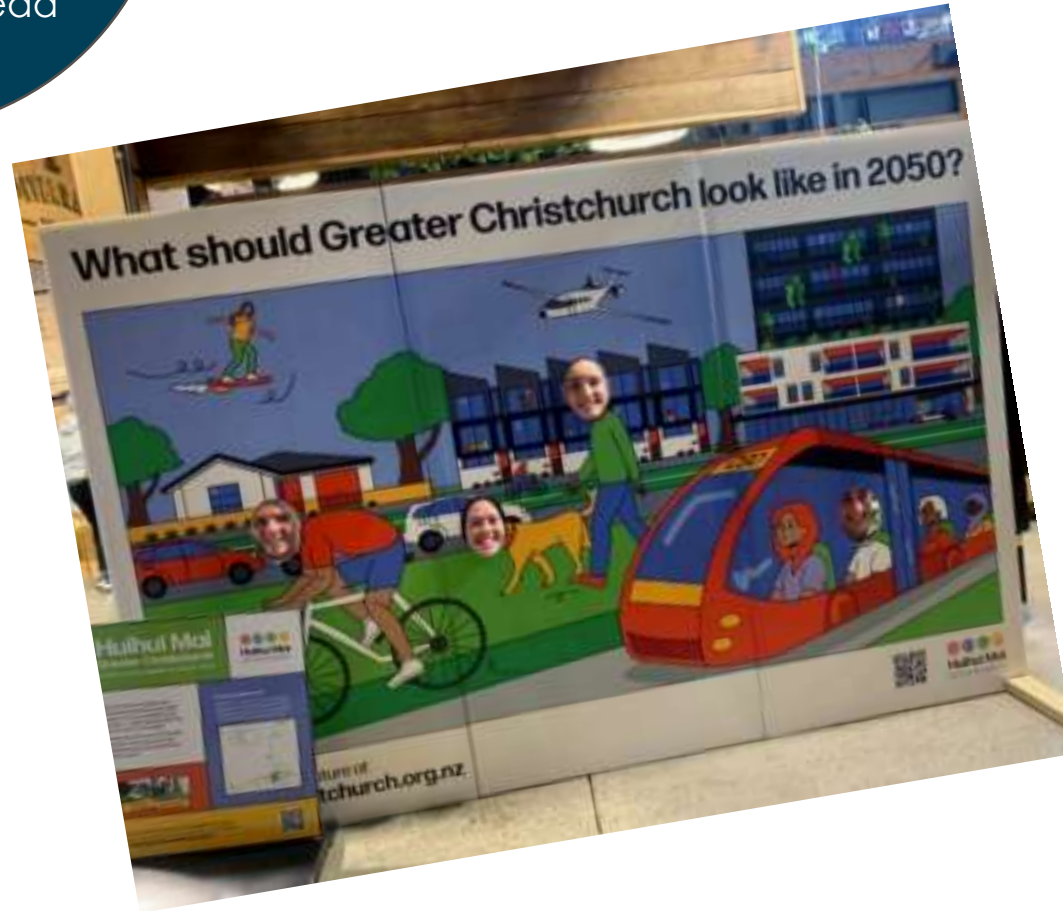
## Setting the Environment up for Success



# 2

Planning ahead

## Planning Ahead... Setting the Environment up for Success

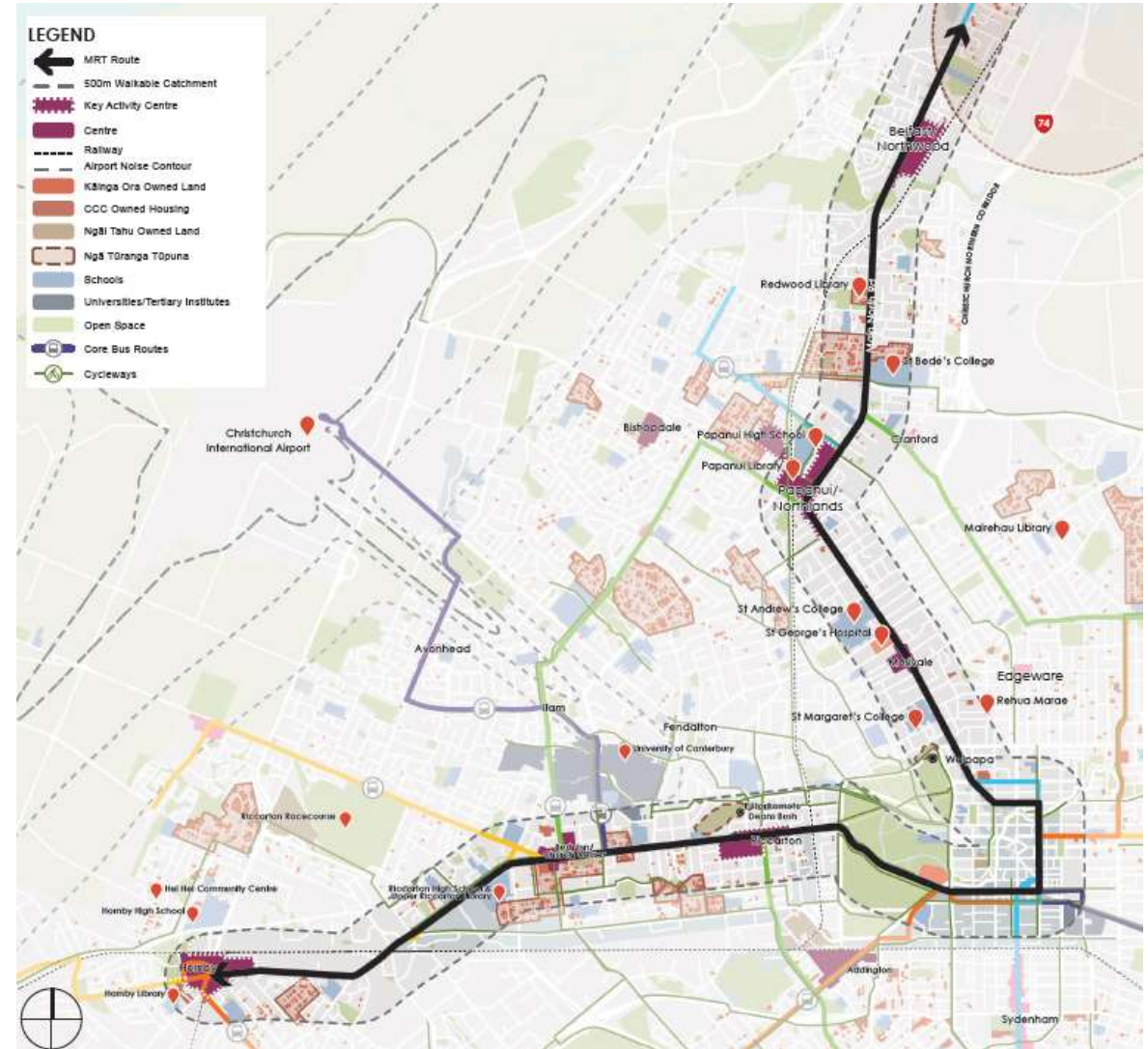


# 3

Urban Design

## Urban Design...

## Enabling 'People, Place & Identity'



# 3

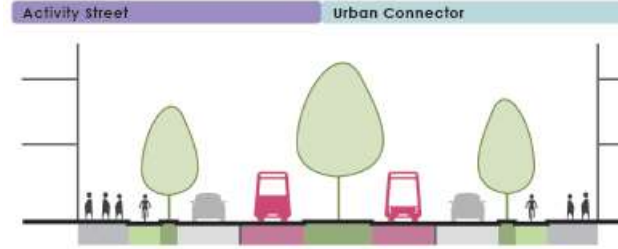
Urban Design

## Urban Design...

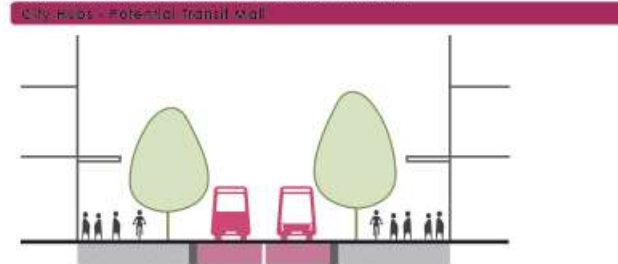
## Analysis of Place

### PAPANUI ROAD EXAMPLE

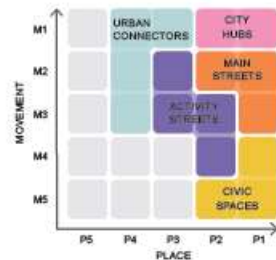
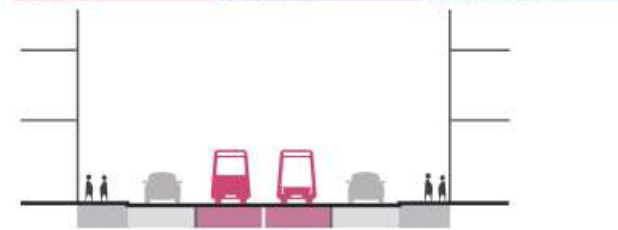
Main North Road - existing 30m width



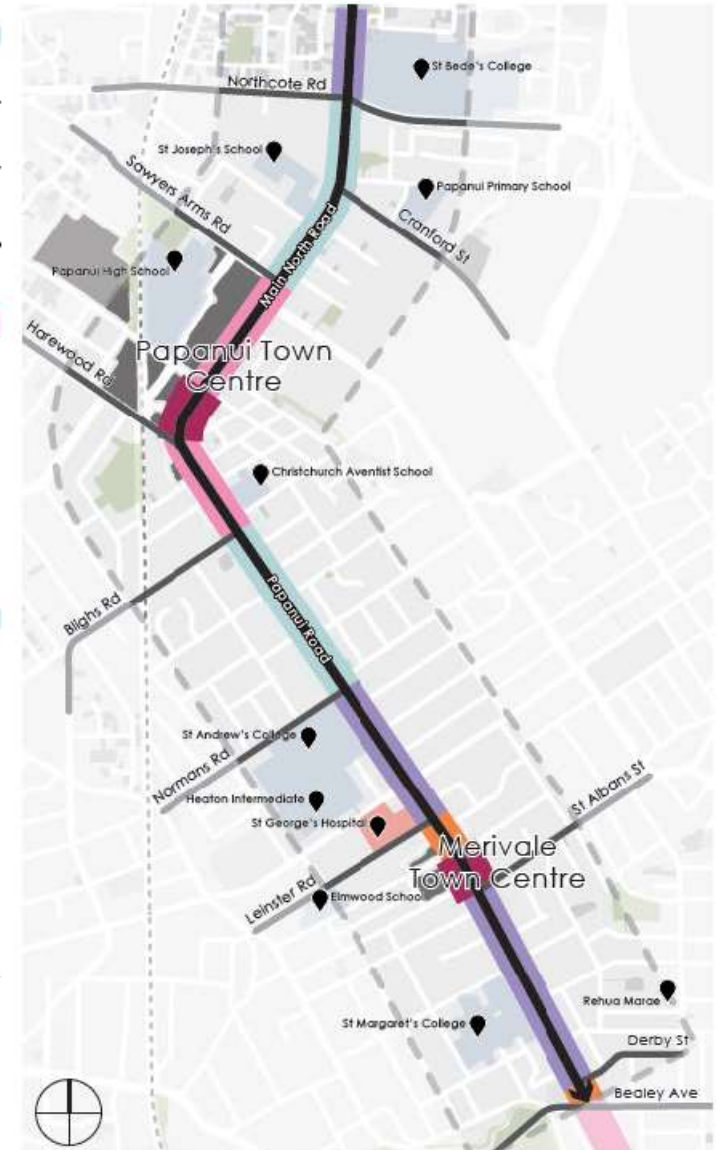
Papanui & Merivale Transit Mall - existing 20m width



City Hubs - Potential Transit Mall | Activity Street | Urban Connector



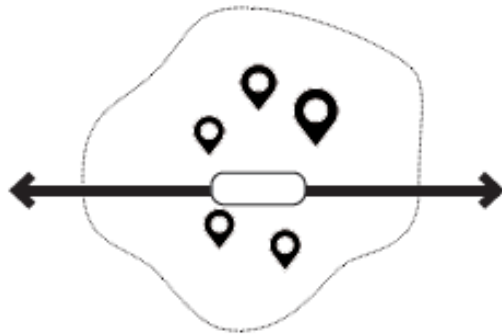
- PREFERRED MRT ROUTE
- CITY HUBS - POTENTIAL TRANSIT MALL
- MAIN STREETS
- ACTIVITY STREETS
- URBAN CONNECTORS
- URBAN CONNECTORS (30m)



# 3

Urban Design

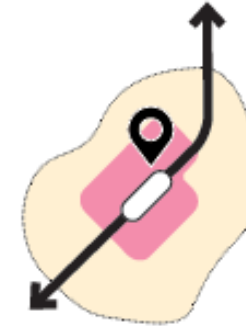
## Urban Design...Station Environments



STATIONS AS GATEWAYS



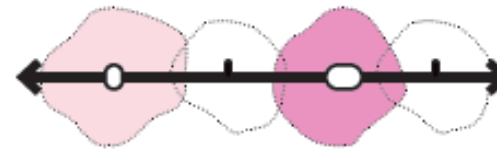
ESTABLISH A LEGIBLE HIERARCHY URBAN FORM



ALIGNS WITH CENTRES, NODES AND KEY DESTINATIONS



ENHANCE ACCESSIBILITY



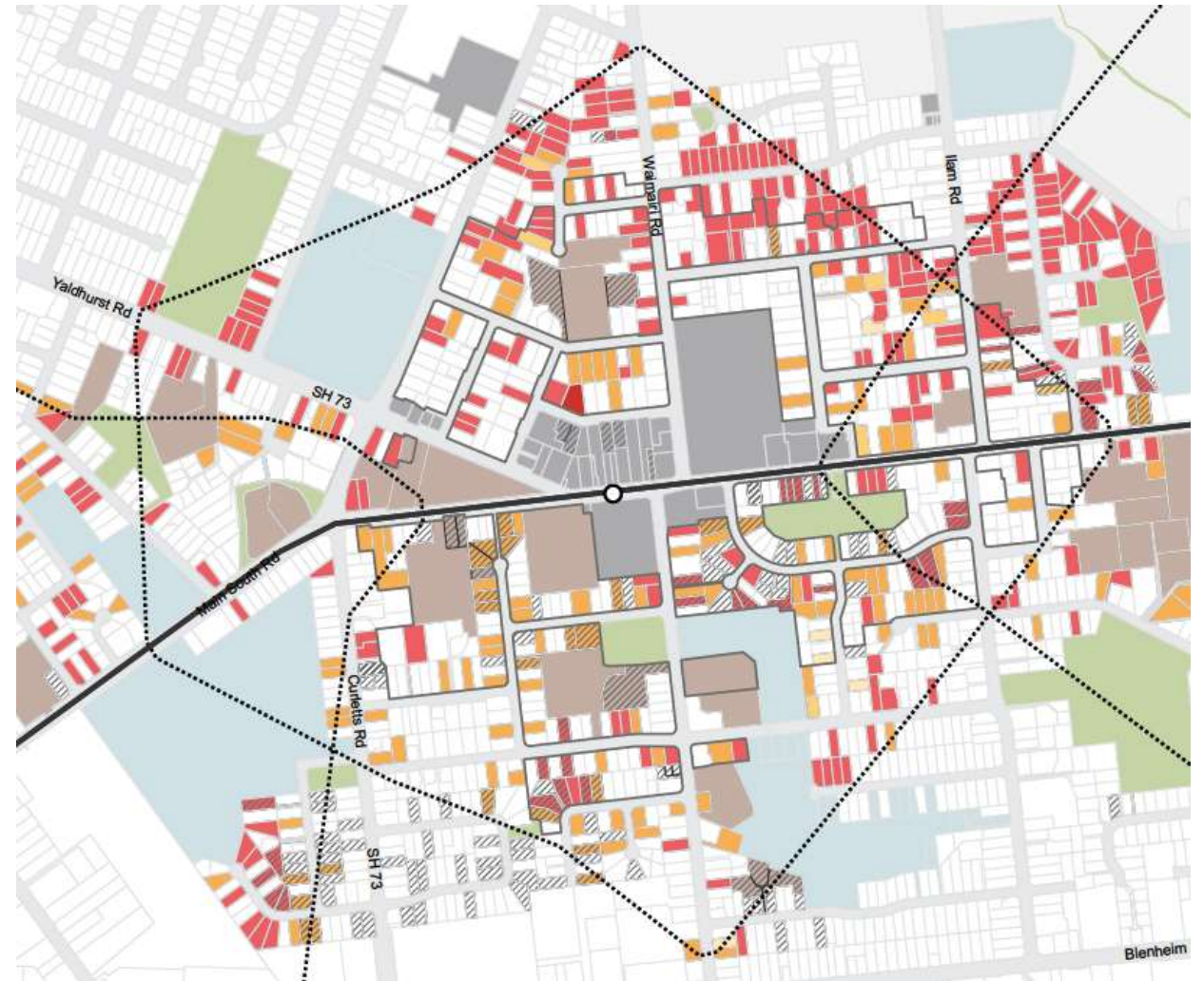
STATION HIERARCHY

# 3

Urban Design

## Urban Design...

## Land Use & Growth to Support the Vision



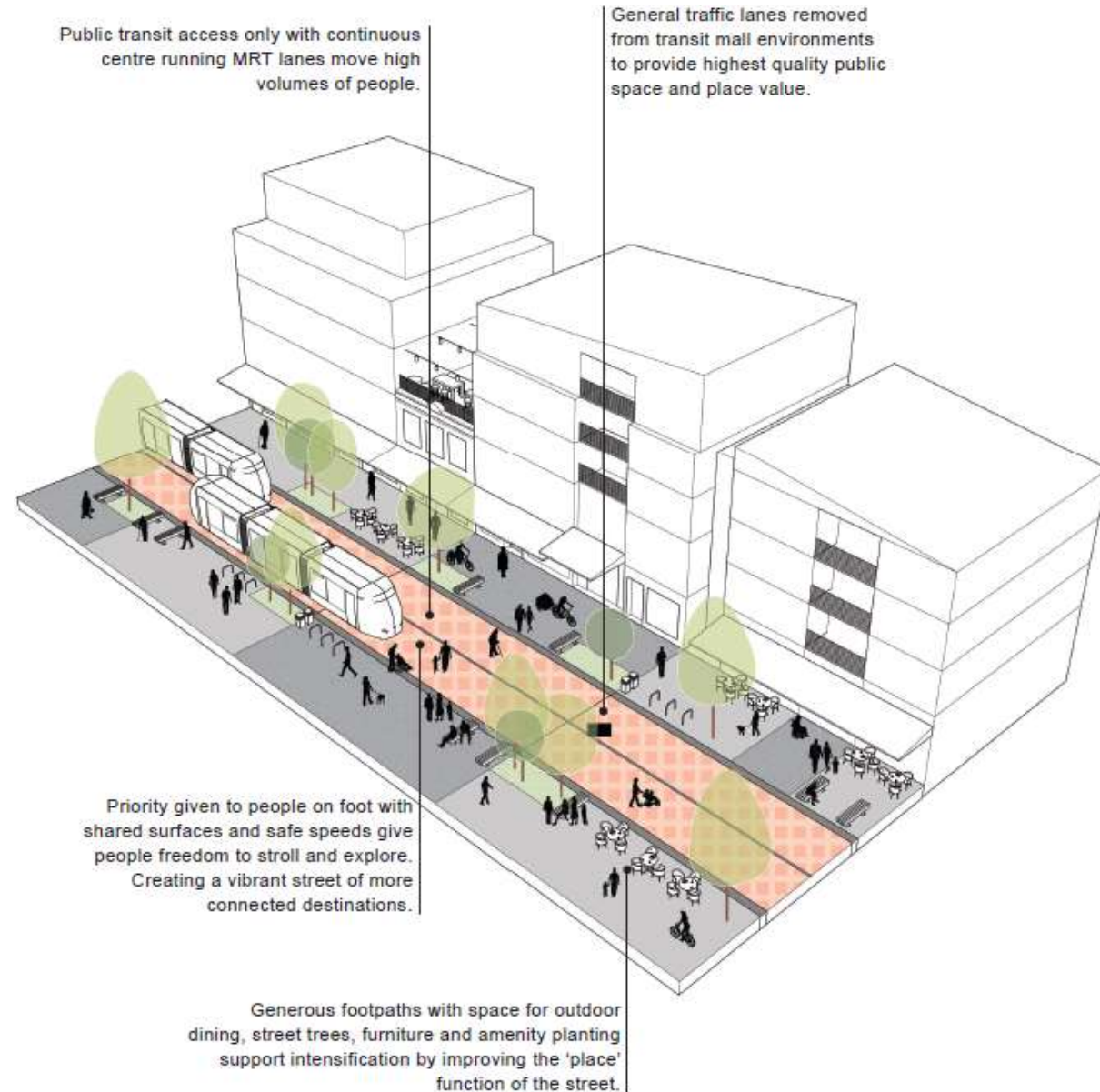


# 3

Urban Design

## Urban Design...

## Streets for People



3

Urban Design



Urban Design...A New 'Urban Future'

# In summary...A Rapid Transit Future

Urban Design

1

**Establish a shared vision & integrated approach**

2

**Plan ahead**

3

**Incorporate good practice urban design**

*Acknowledgements: Waka Kotahi NZTA, WSP, Aurecon and QTP*