

# How Tauranga's streetscapes are changing face



**Sarah Dove – Harrison Grierson**  
**Sid Scull – Mott MacDonal**

# Our presentation

- **Design tool to influence development in Tauranga**
- Why change
- Stakeholder journey
- Design Guide and toolbox approach to Design Standards
- Conclusions and relevancy

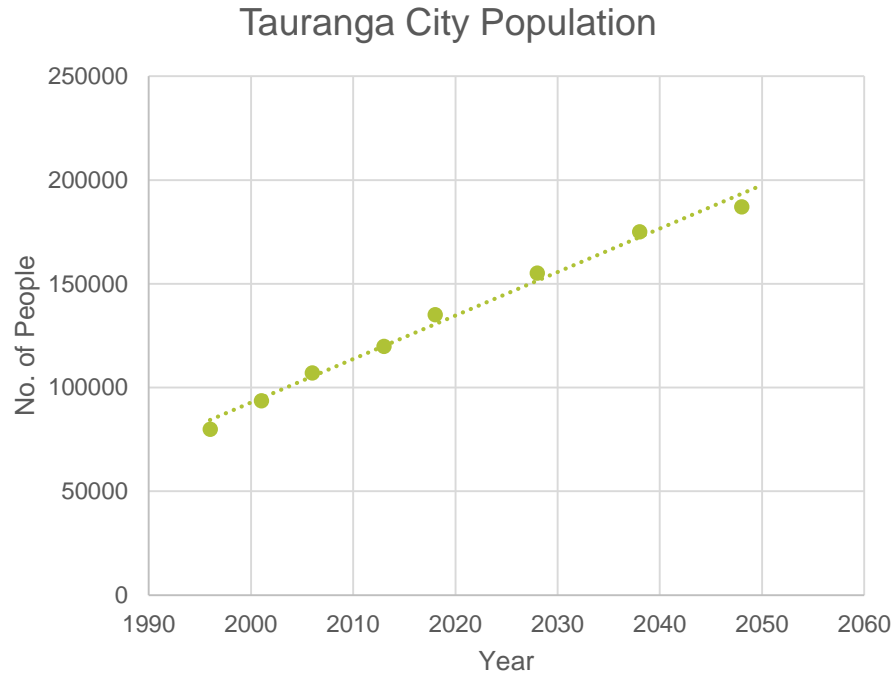




# Tauranga Today

# A growing city

Tauranga is no longer a small coastal town.....



# High dependency on private vehicles

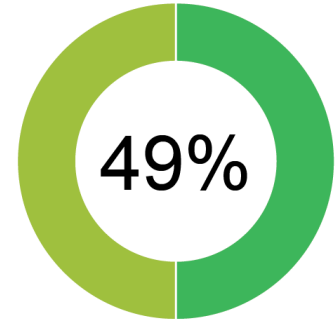
Journey to Work 2013



**91% Tauranga**  
**87% Hamilton**  
**85% Auckland**  
**84% Christchurch**  
**82% Dunedin**  
**54% Wellington**

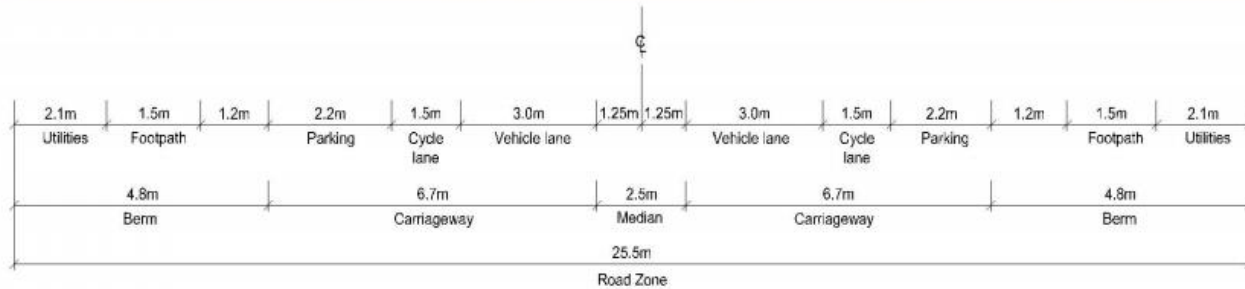


Large, irregular block structure,  
poor permeability, longer journeys



49% of New Zealanders do not  
achieve the recommended 30  
minutes of physical activity everyday

# Street Design Guidance is one-dimensional





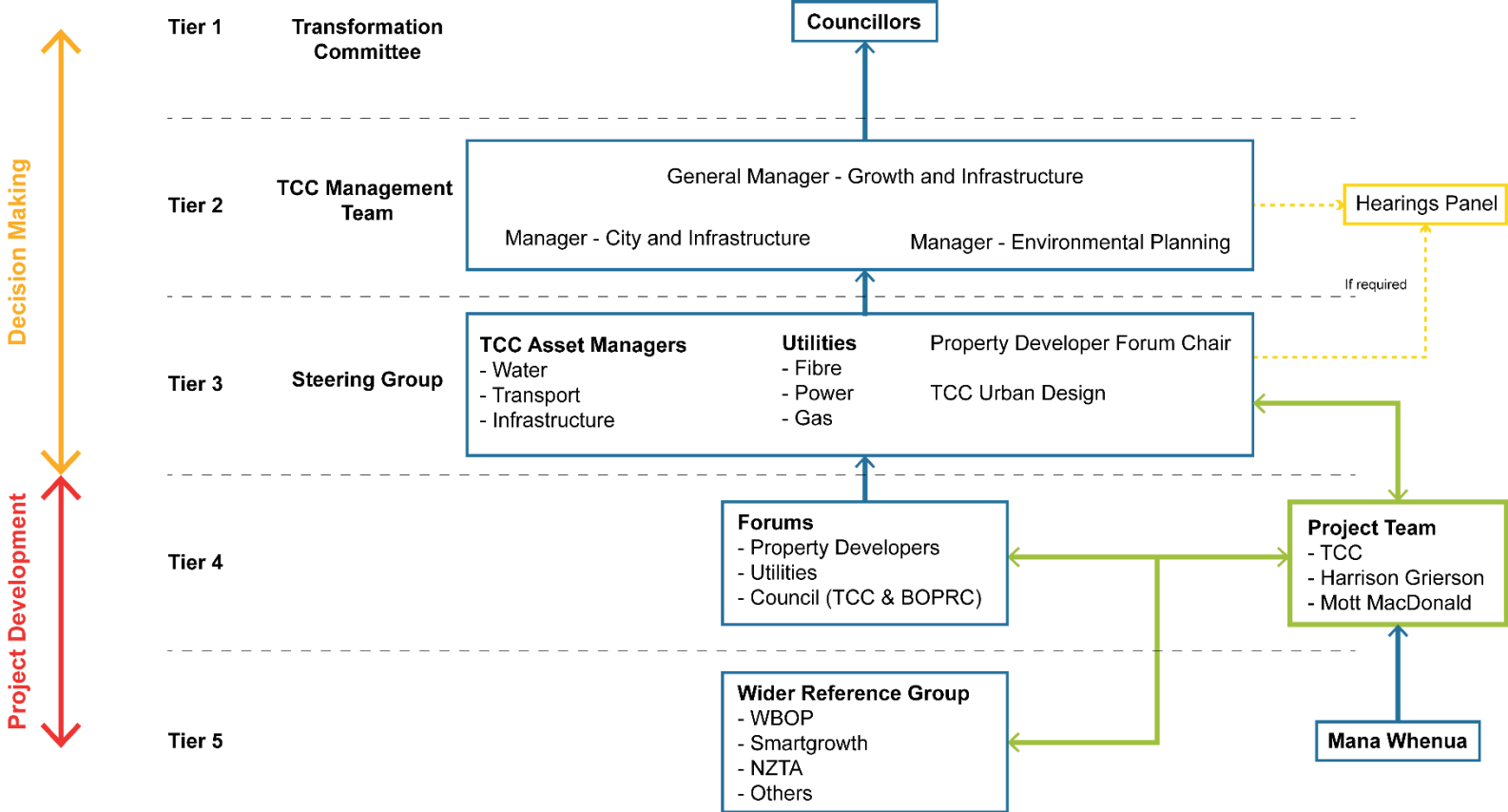
# Streets for Everyone

# Project Objectives

- A more balanced approach to street design that includes a greater focus on place, and active / public transport.
- Smoother, quicker and easier approvals process.
- Allows flexibility for design innovation, within agreed parameters.

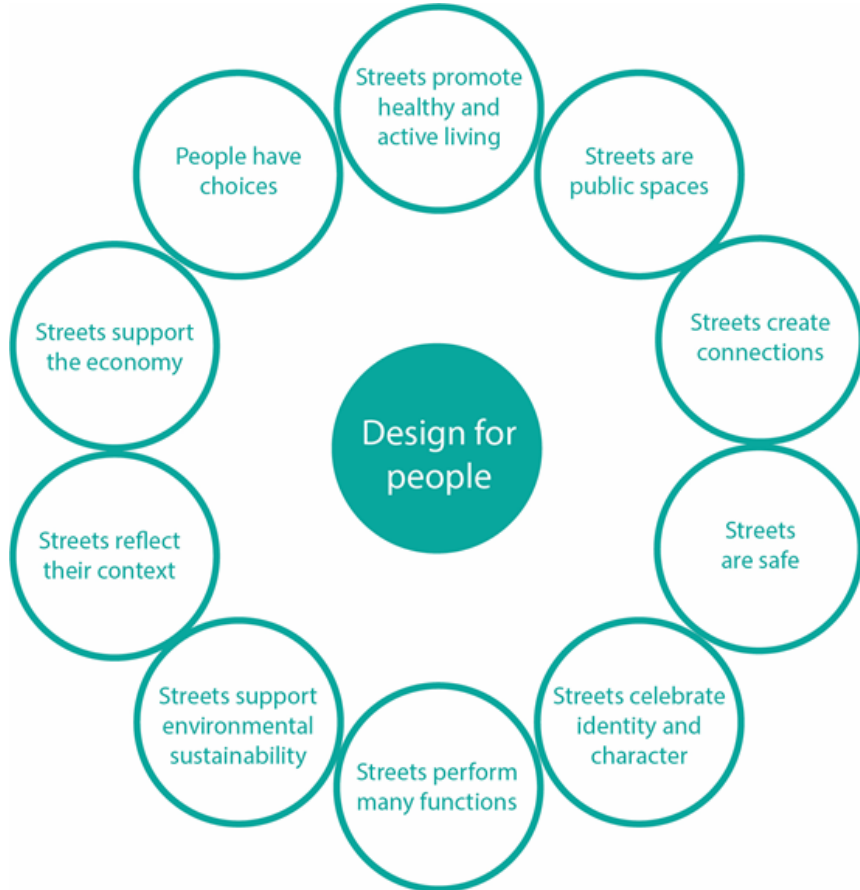


# Stakeholders



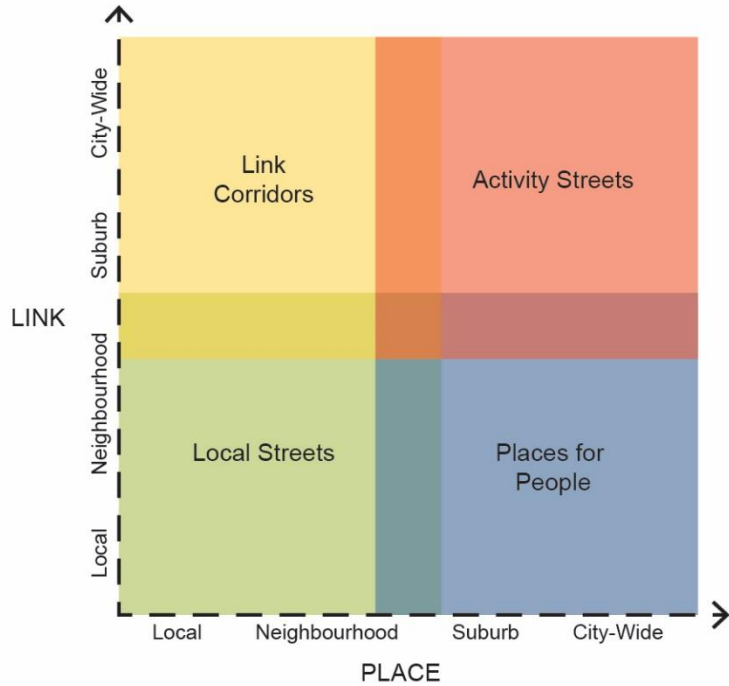
# Design Guide & toolbox

# A Principle Based Approach



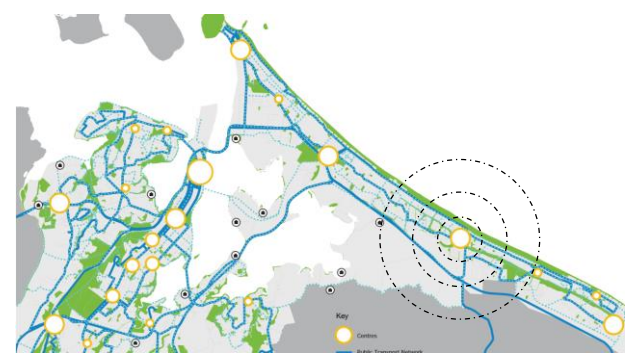
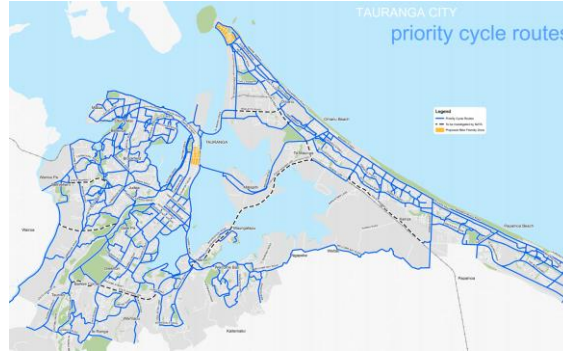
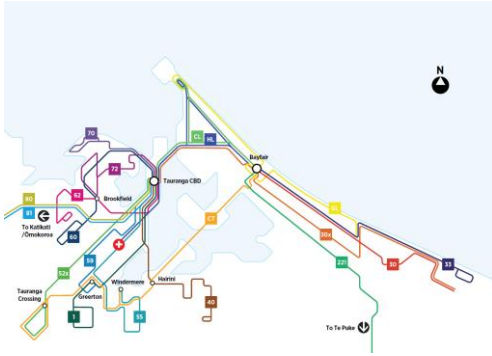
- Mana Rangatiratanga/Ahikāroa - authority
- Whakapapa – names and naming
- Taiao – natural environment
- Mauri Tū - environmental health
- Tohu – wider cultural landscape
- Mahi Toi – creative expression
- Ahi Kā - living presence

# A Balance of Link and Place



# Street Design Toolbox

## Some inputs



**Sheet Guidance:**

Select the appropriate threshold for both place and link from the relevant drop-down list. If one or more thresholds are present for each indicator, select the largest one. E.g. if both a Secondary School and Early Childhood Education are present, select Secondary School. The thresholds are in ascending order.

The Tauranga City Council GIS viewer (<https://mapi.tauranga.govt.nz/Html5/index.html?viewer=Mapi>) is a good source for most of the information required to complete this sheet.

Once all the threshold have been entered, the final Place and Link Status will be shown in the Orange boxes. The corresponding Street Type will become coloured in the matrix to the right. Clicking on the coloured street type will take you to the relevant toolbox for that street type to identify the appropriate elements for the street.

**Place Status Worksheet**

Indicator	Threshold (Select from drop down)
Residential	<input type="text" value=""/>
Retail	<input type="text" value=""/>
Commercial	<input type="text" value=""/>
Industrial	<input type="text" value=""/>
Education	<input type="text" value=""/>
Recreation	<input type="text" value=""/>
From how far might people come to spend time in this street	<input type="text" value=""/>
Civic, Community or Medical	<input type="text" value=""/>
<b>Overlays</b>	
Located within the Commercial Business Sub-Zone	<input type="text" value=""/>
Located within the City Centre Waterfront Sub-Zone	<input type="text" value=""/>
Located within 500m of Coastline	<input type="text" value=""/>
Location within 200m of a River/Estuary/Wetland/Lake	<input type="text" value=""/>
Located within 500m of a Marae	<input type="text" value=""/>
Located within 500m of a School	<input type="text" value=""/>
Located within 500m of an Outstanding Natural Features and Landscapes Plan area	<input type="text" value=""/>
Located within a Significant Maori Area	<input type="text" value=""/>
Located within a Significant Archeological Area	<input type="text" value=""/>
Located in an important Amenity Landscapes Area	<input type="text" value=""/>
Located adjacent to a Commercial Plan Area	<input type="text" value=""/>
Located Adjacent to a High Rise Plan Area	<input type="text" value=""/>
Location adjacent to a Medium Rise Plan Area	<input type="text" value=""/>
Located within a Special Ecological Area	<input type="text" value=""/>
<b>PLACE STATUS</b>	<b>#N/A</b>

**Link Status Worksheet**

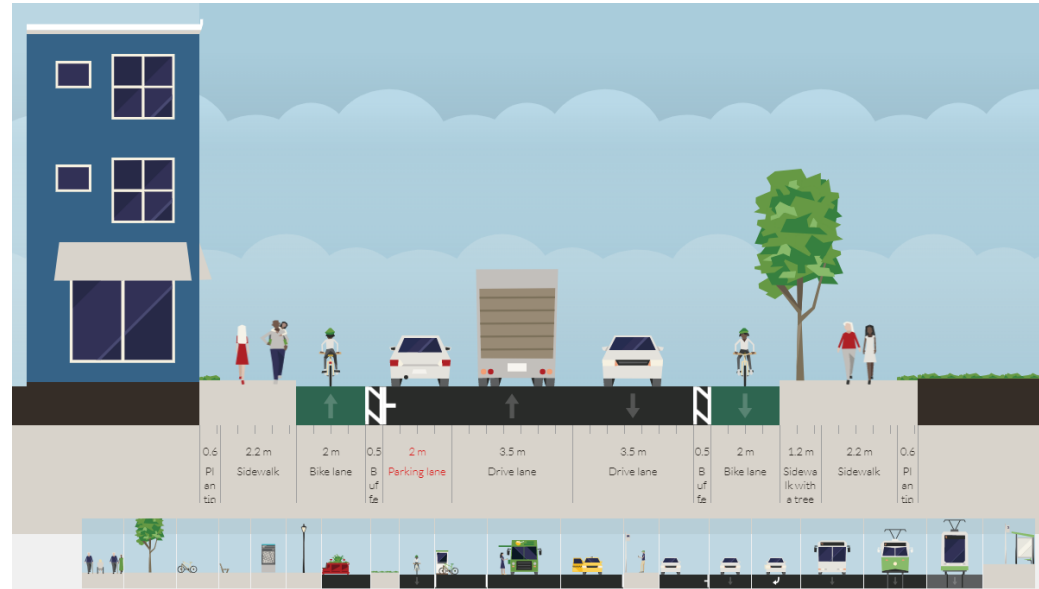
Indicator	Threshold (Select from drop down)
Road Classification	<input type="text" value=""/>
Traffic Volumes (per day)	<input type="text" value=""/>
Requirement for Property Access	<input type="text" value=""/>
Buses per hour	<input type="text" value=""/>



# Street Design Toolbox

Scoring system and ability to graphically show output

3	Mandatory ↑ ↓ Prohibited
2	
1	
-1	
-2	
-3	
N/A	

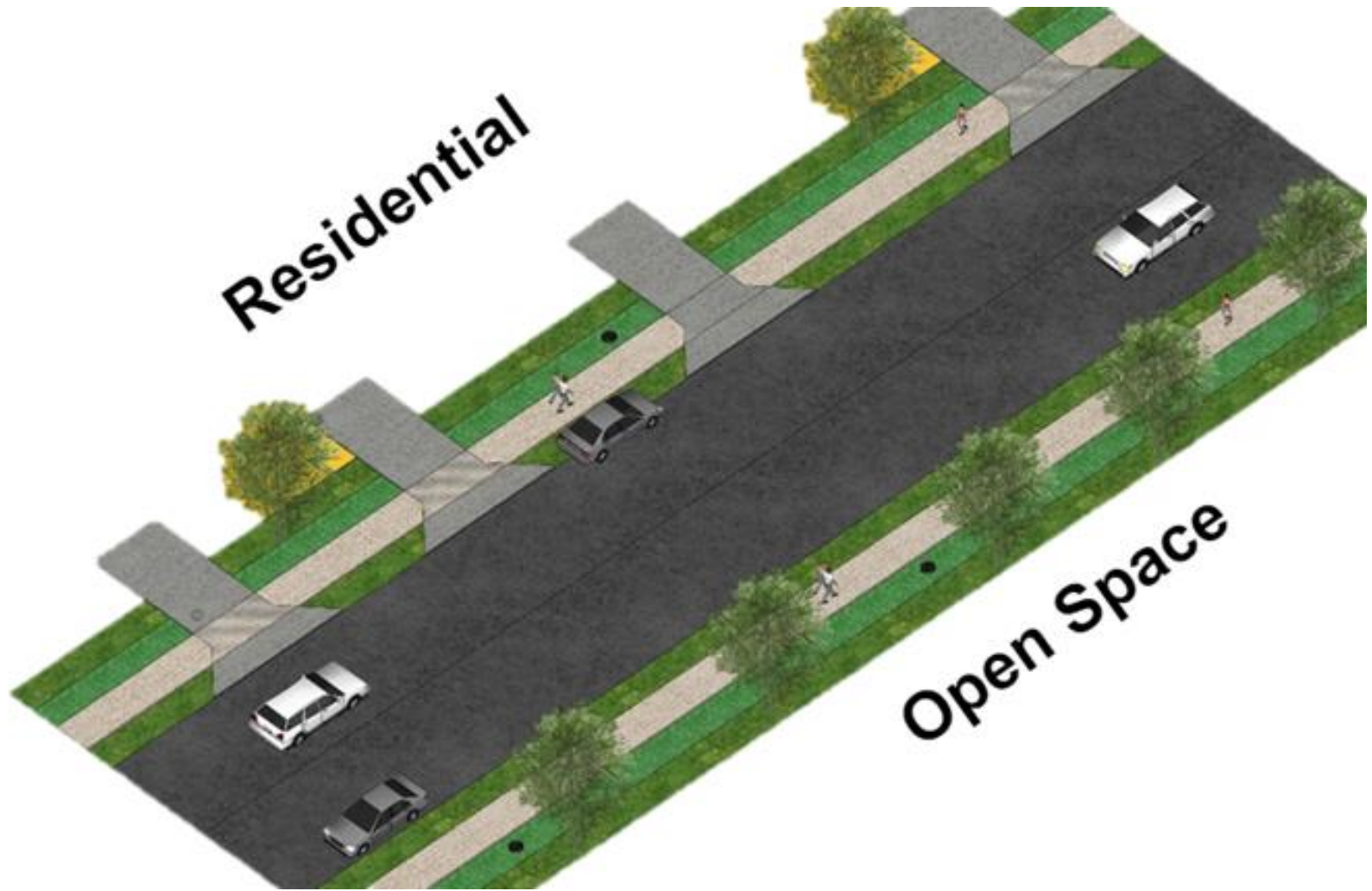




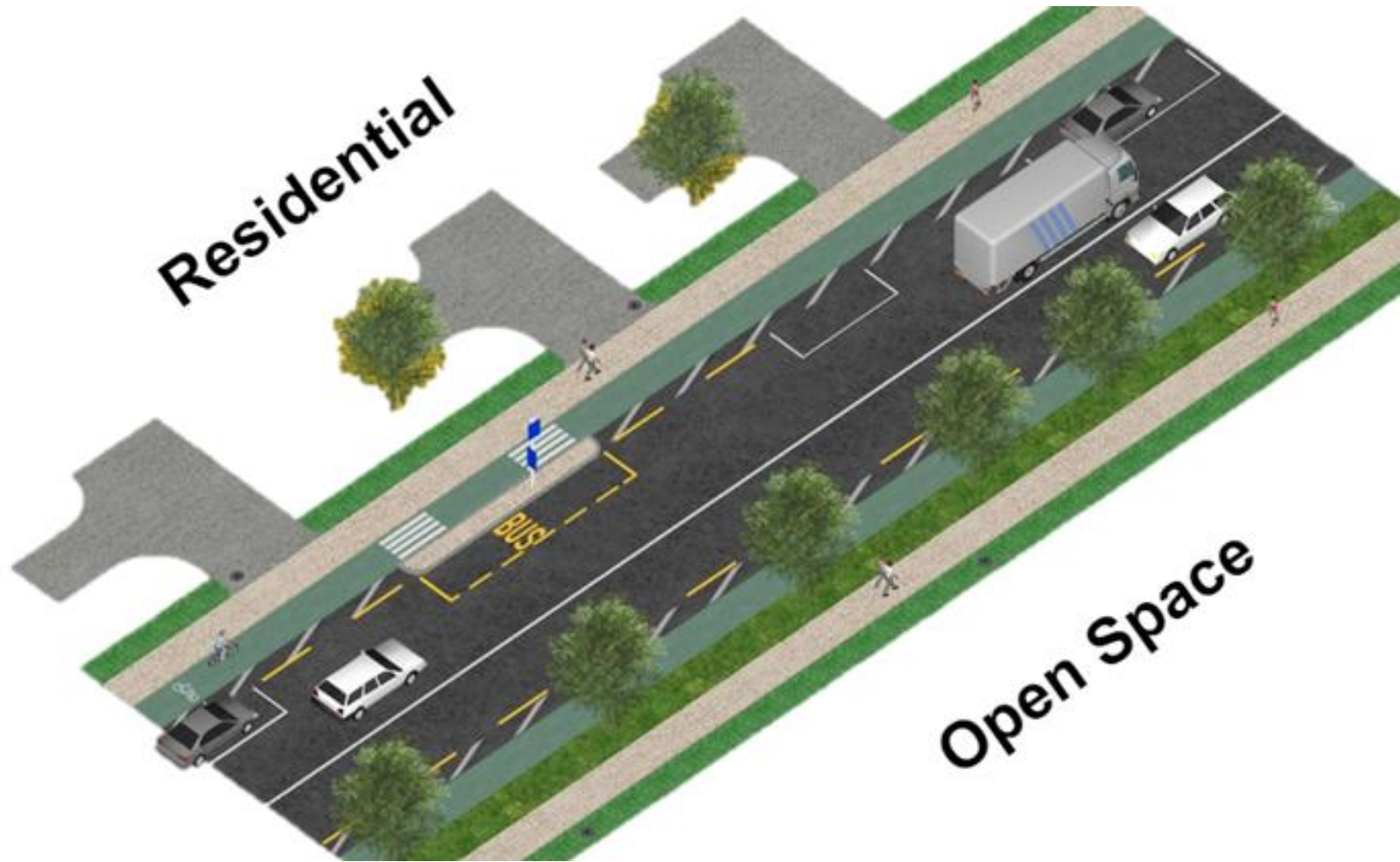
Kennedy Road, The Lakes, Tauranga



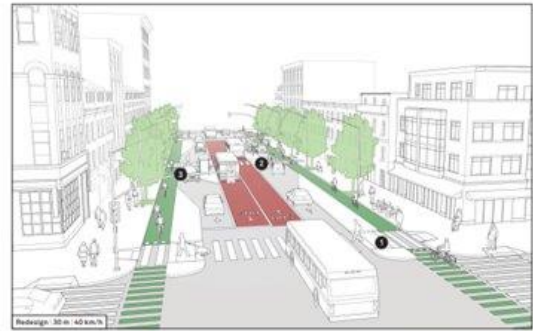
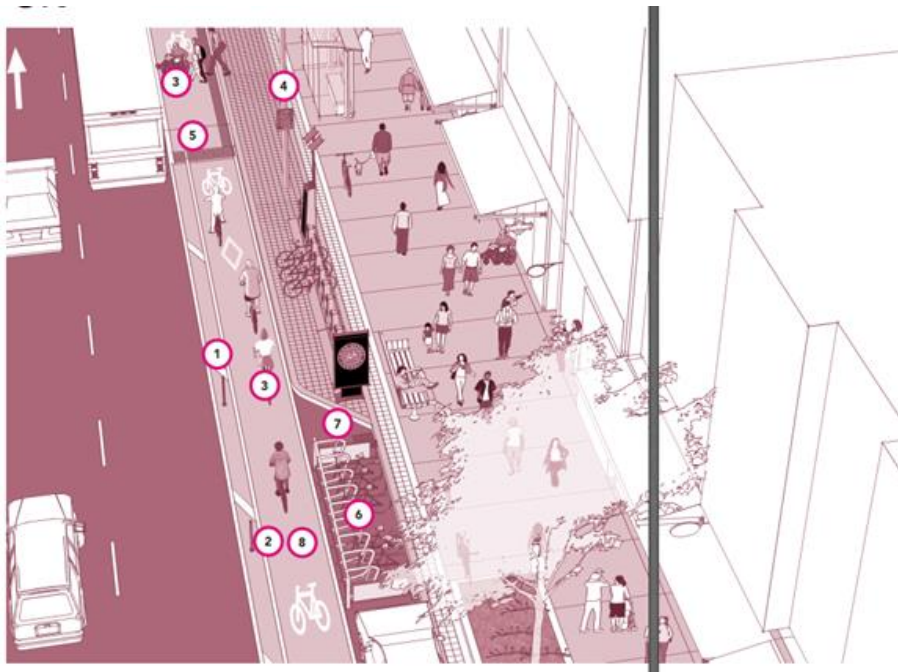
Current



Design  
Guide  
and  
toolbox  
output



# Design Standards



#### Design Guidance

Due to its central location, the street has the potential to transform the surrounding neighborhoods. Redesign this street to serve needs of all street users and increase its overall capacity.

Remove two travel lanes in each direction and provide accessible and wider sidewalks to support safe pedestrian movement and commercial activity.

1 Provide refuge islands, mark pedestrian crossings, and improve markings to make crossings safer and shorter.

2 Introduce a dedicated transit lane in each direction to increase transit capacity and efficiency.

3 Offset boarding islands provide for safe and efficient boarding and alighting for transit riders while reducing vehicle speeds at the bus stop.

4 Add a mid-block crossing to facilitate the access to the boarding islands on each side of the center-running transit-only corridor and shorten the crossing distance by providing safe refuge islands for pedestrians.

5 Offset the travel lane in correspondence to the boarding island to reduce speeds and improve motorists' yielding behavior. Implement cycle tracks on each direction and planted buffers to provide safe facilities for cyclists.

6 Add trees and green infrastructure on the sidewalks and the medians to provide shade, reduce noise, improve air quality, and support stormwater management. See 7.2 Green Infrastructure.

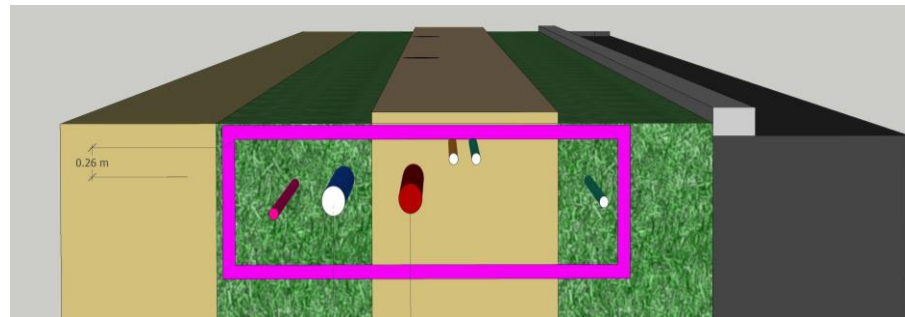
7 Making the street more aesthetically appealing and comfortable for pedestrian use can attract businesses and help to regenerate the district.



Mexico City, Mexico



Toronto, Canada



# What Next?

Tools Advanced Search Print Measure Save View Export Data Near Me Drawing Other Aerial Photographs

Find Address Find Road Show Layer List Show Legend Street Map Aerial 2017 Aerial 2017 Updates Initial View Zoom In Zoom Out Pan Bookmarks Identify Identify - Polygon

Home

**Tauranga City**

**Scheduled Work**  
(8pm Thursday November 12th) Scheduled changes are planned for Thursday the 12th November at 8pm. The changes involve adding a Certificate of Title search button and updating the symbology of stormwater service lines to allow for sub-soil drains to be differentiated. Please Email us if you have any concerns.

**Updates**  
(September 2018) Cyclway data on Mapl has been updated to reflect the routes in the new Tauranga Cycle Plan.

**Issue Alert**  
(August 2018) We are currently experiencing an issue with Mapl's workflows (including searching and printing). We are working on a fix for this. To minimize disruption in the meantime, the site will be refreshed at 7am, 12pm and 6pm. At these time you may experience a 5 minute period of slowness in the system.

**Contact Us**  
Email or call us on 577 7000 if you have any queries or feedback.  
For Fees and Charges visit our [website](#).

Home Layers Scale 1: 120,000 Go



