

Bridge to Better

Project Context

by **Alan Gray**
Principle Landscape Architect



Plan for Nelson 1842



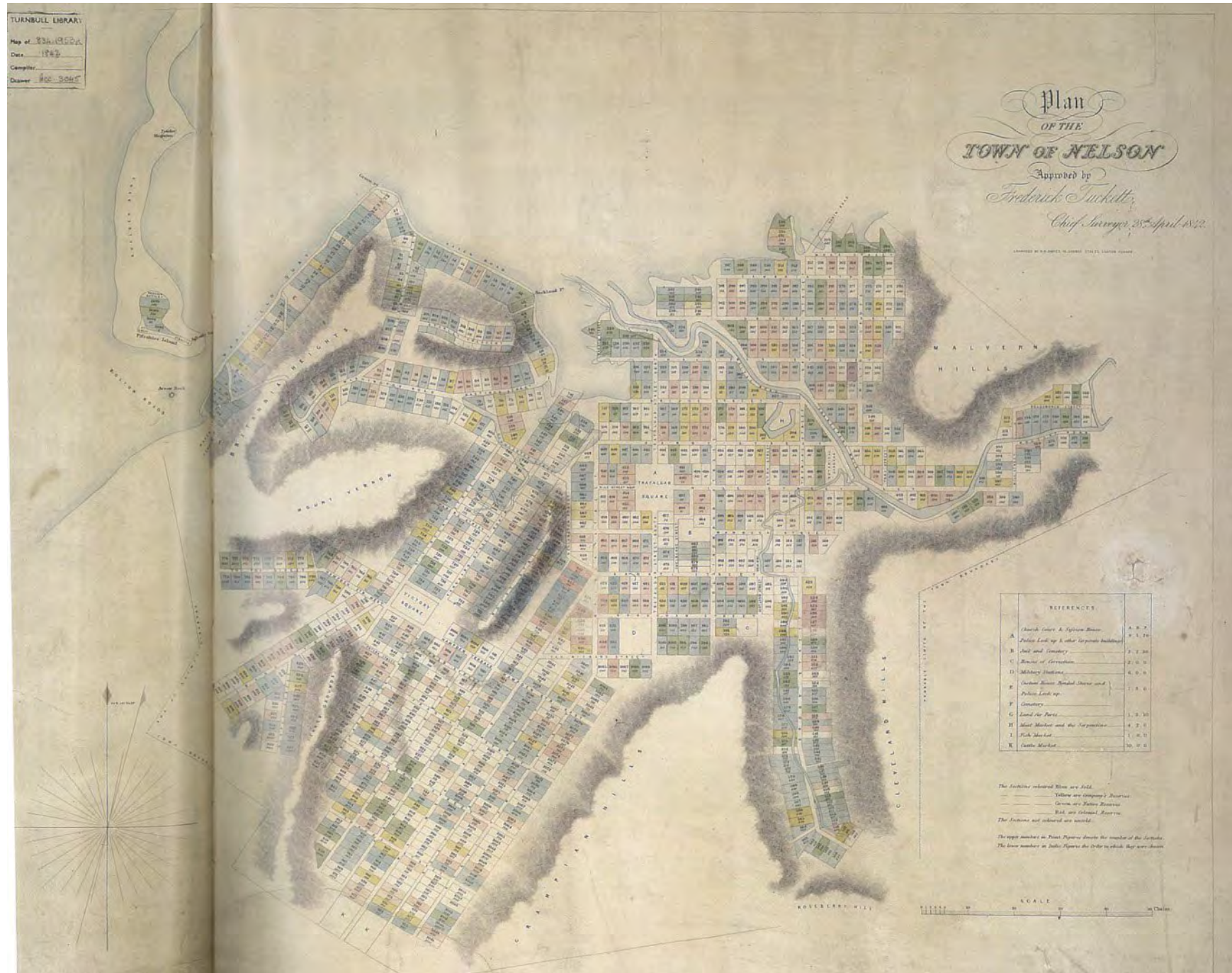
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Third Museum in NZ Bishop Suter Art Gallery



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New Zealand Population Projections (Age)



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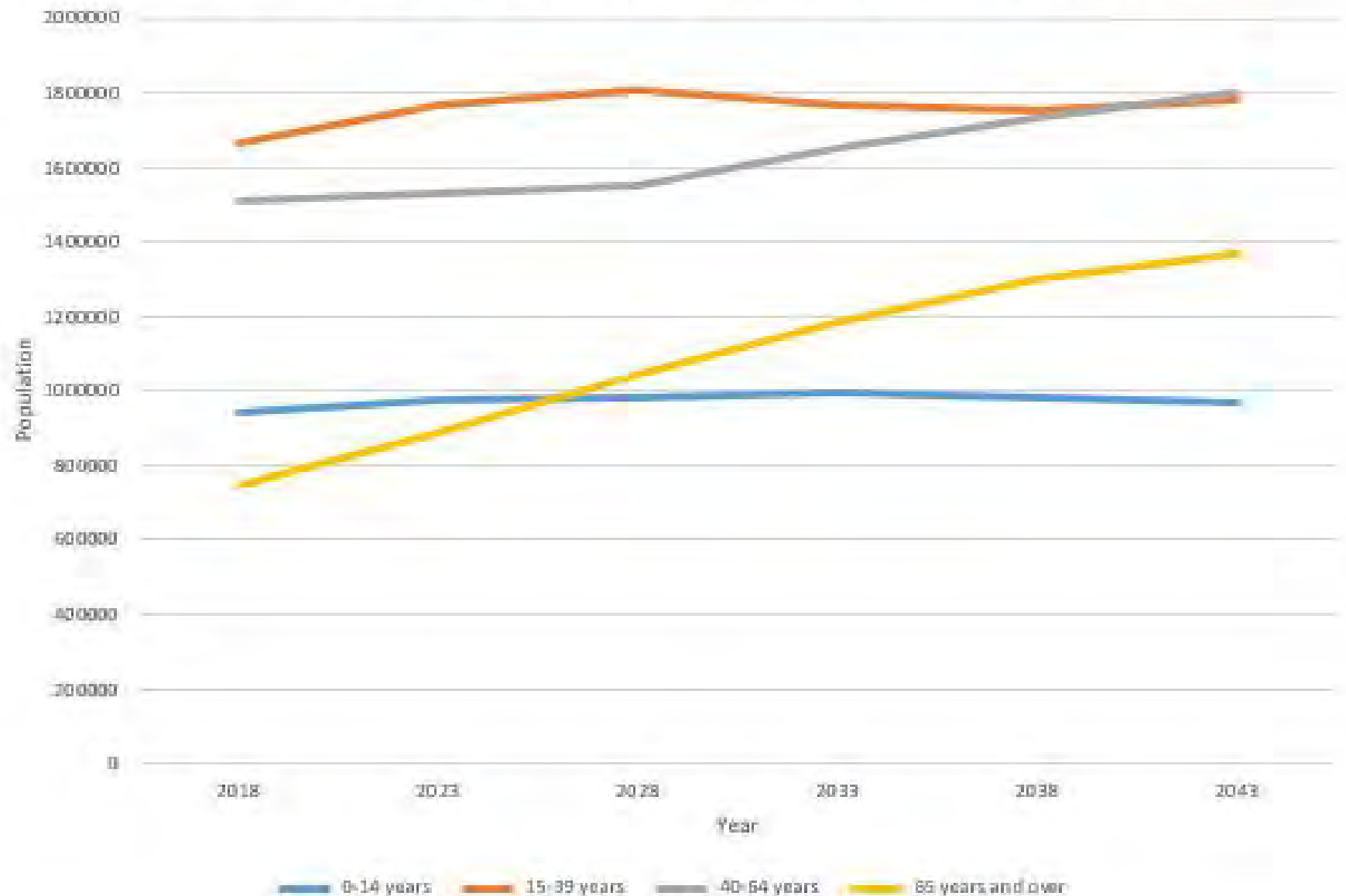
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NZ Population by age group (StatsNZ 2013 base high series projection)



Nelson Population Projections (Age)



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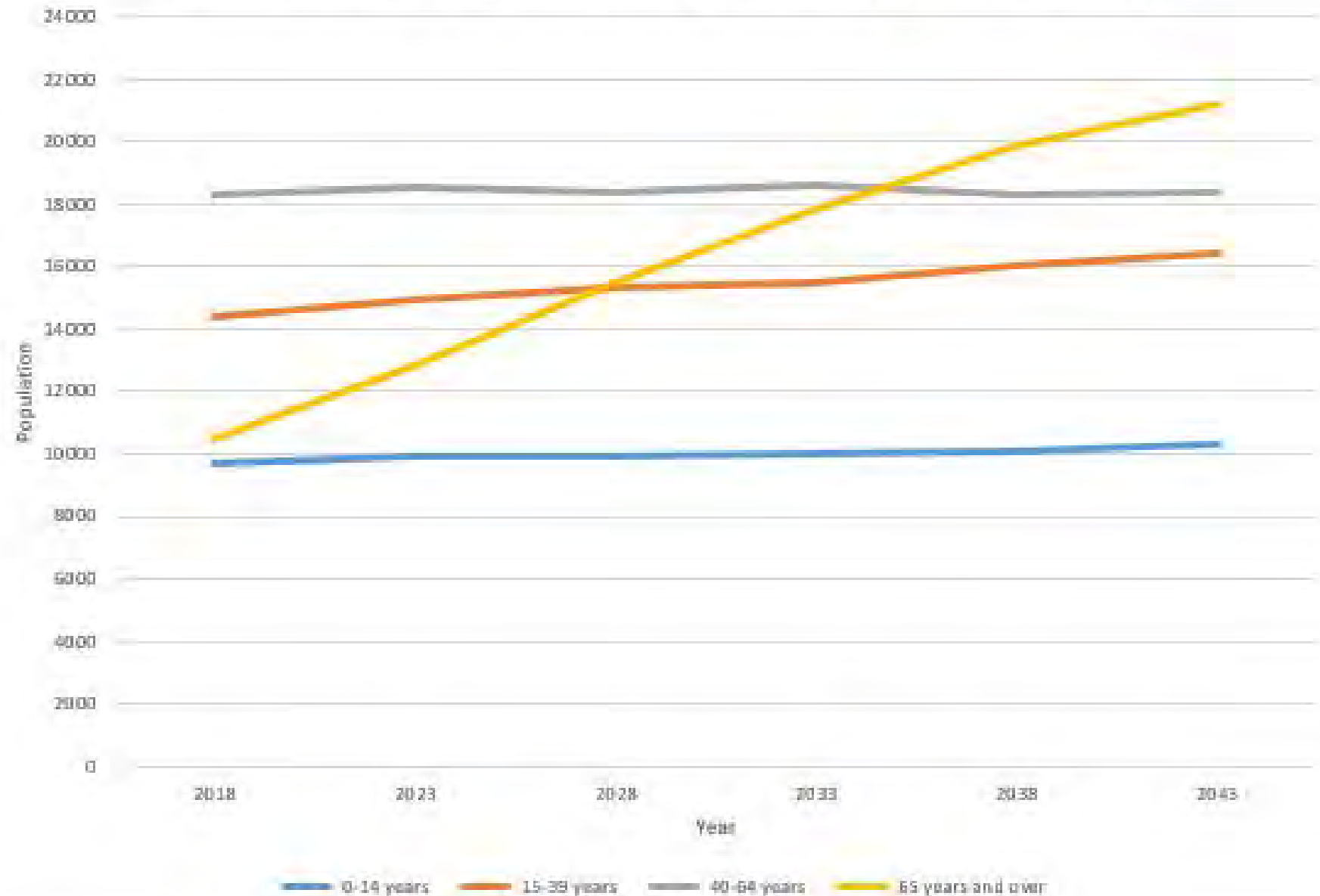
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Nelson Population by age group (StatsNZ 2013 base high series projection)



Nelson City
Centre Data
6000 workers,
8000
students...
only 100
residents??



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More Blacktop than Buildings Nelson City Centre Ground Coverage



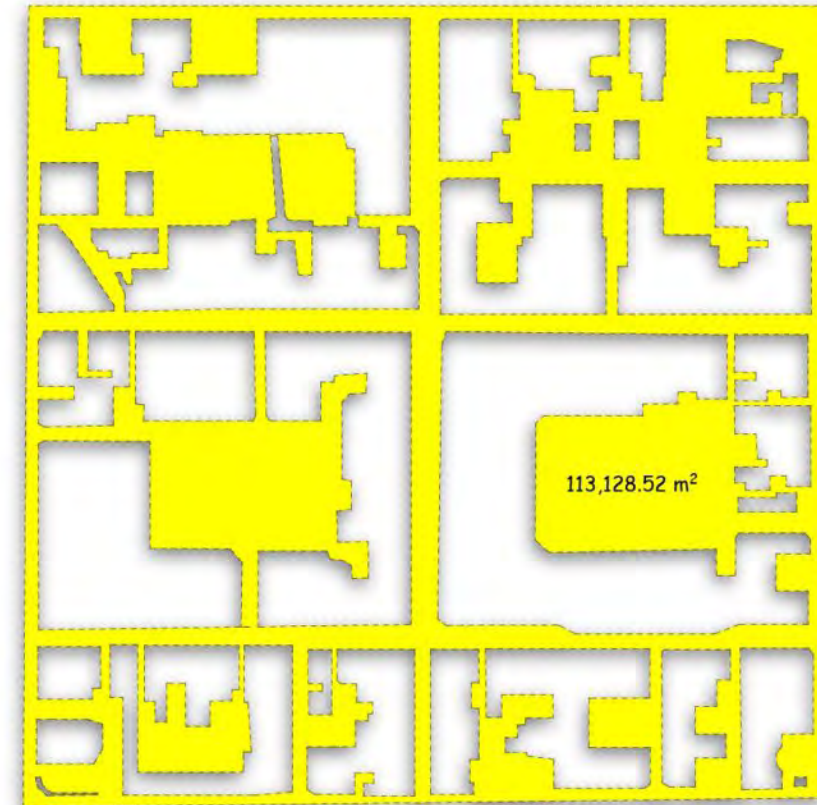
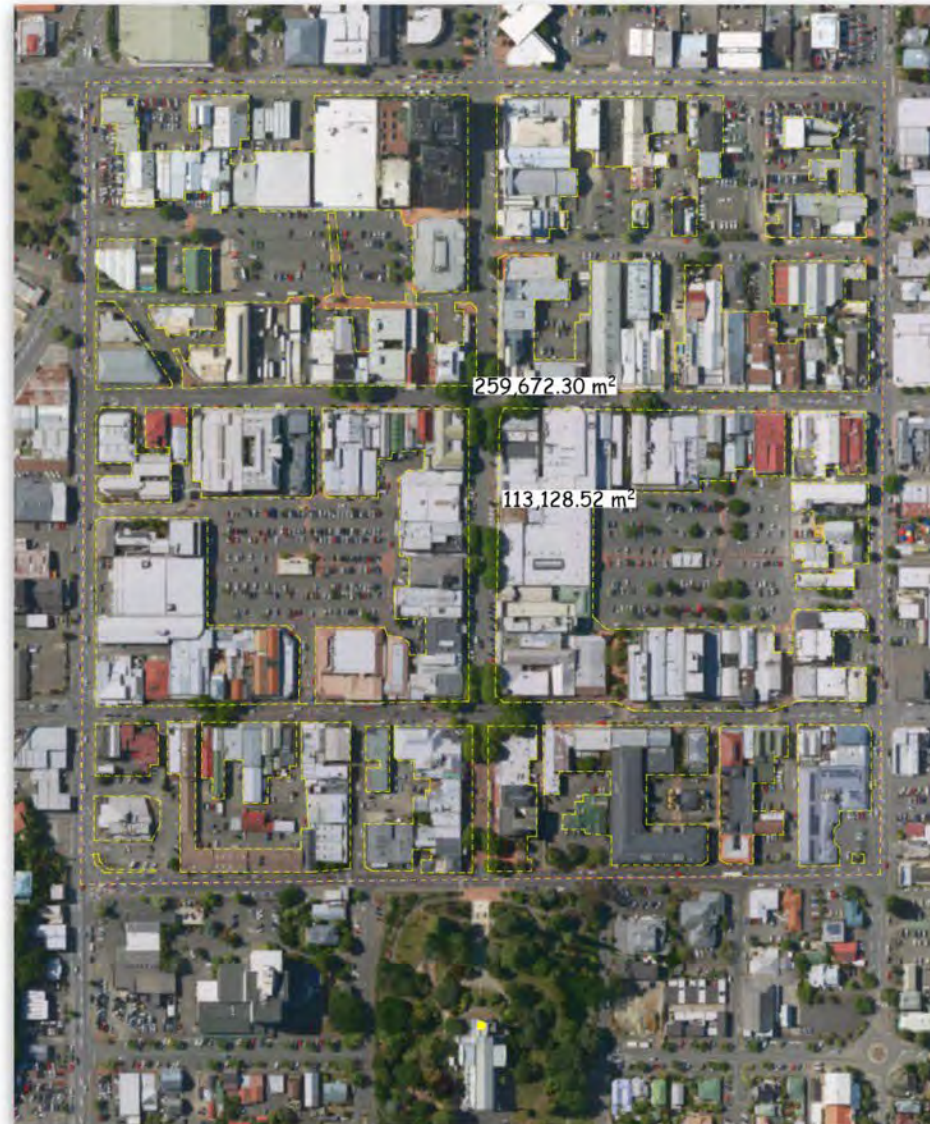
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Centre of Nelson filled with cars:

AREA inside Ring road centrelines: 259,670m²
(left hand side)

AREA taken up by cars, carparking and car sales
yards 113,128m² (right hand side)

PERCENTAGE given over to cars = **44%**

NELSUST

Working for Sustainable Transport Solutions Nelson Region
Nelson Transport Strategy Group Inc. www.nelsust.co.nz



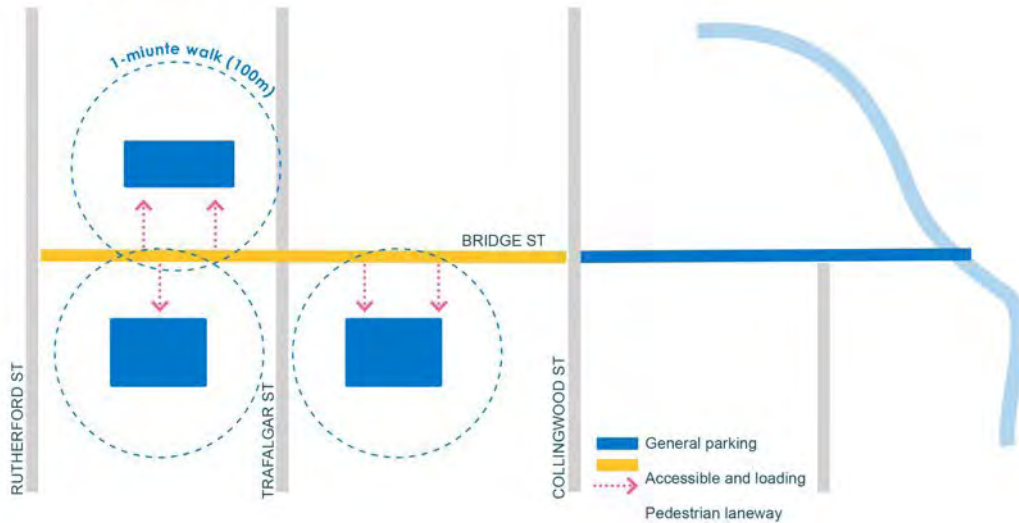
Provision For Parking, Loading & Deliveries

Prioritisation of parking in the squares

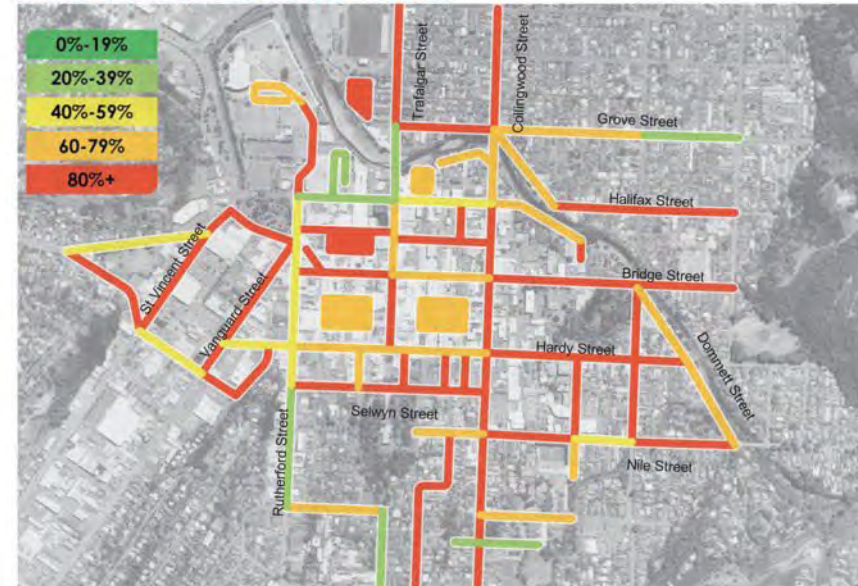
The Nelson Parking Strategy recognises that parking is one element of a holistic, sustainable transport system for Nelson. Investigations undertaken during development of the Strategy found that there is a high demand for parking on Bridge Street but capacity in other areas. It was concluded that there is enough supply in the city centre to meet current parking demand and that any increases in parking demand will be managed using parking management tools such as providing better transport choices.

Balancing the competing demands for our City's public space can be challenging. The Strategy has a series of objectives and guiding principles to influence decisions about prioritising and allocating parking and street space. One of these objectives is that parking management supports a people-focused City – by allocating street space to deliver place-making and urban design improvements to deliver a more attractive, diverse and vibrant City. This is very applicable to the Bridge Street project where road space is reallocated to place-making and any parking provided is focused on accessible spaces, taxi and loading, and better use of the parking squares.

Parking Prioritisation for Bridge St



Central City Parking Occupancy (1pm weekday)



Source - Central City and Fringe Draft Parking Management Plan

Collect the Data

Nelson Public Life Survey



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SURVEY LOCATIONS

Survey locations were selected to accurately capture the typical movements of daily life within the greater city centre.

00 Pedestrian Activity 00 Pedestrian & Bicycle Activity

- 01 - Trafalgar St 1
- 02 - Trafalgar St 2
- 03 - Trafalgar St 3
- 04 - Trafalgar St 4
- 05 - Trafalgar St 5
- 06 - Trafalgar St 6
- 07 - Pikimai/Church Hill
- 08 - Selwyn Place West
- 09 - Selwyn Place East
- 10 - Hardy St West
- 11 - Hardy St East
- 12 - Bridge St West
- 13 - Bridge St East
- 14 - New Street
- 15 - Halifax St West
- 16 - Halifax St East
- 17 - Maitai River West
- 18 - Maitai River East
- 19 - Rutherford St North
- 20 - Rutherford St South
- 21 - Collingwood St North
- 22 - Collingwood St South
- 23 - Church St
- 24 - Old Bank Lane

06 Staying Activities

- 25 - Pikimai/Church Hill
- 26 - Upper Trafalgar St
- 27 - Middle Trafalgar St
- 28 - Old Bank Lane
- 29 - Alma Lane
- 30 - Anzac Park



Collect the Data Nelson Public Life Survey

PRELIMINARY
FINDINGS



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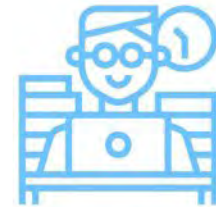
PEDESTRIAN ACTIVITY AT A GLANCE SUMMER



140,274

COMBINED PEDESTRIAN
MOVEMENTS REGISTERED
ACROSS BOTH SURVEY DAYS

24 SURVEY
LOCATIONS



63,426
WEEKDAY
MOVEMENTS



76,848
SATURDAY
MOVEMENTS



21% MORE FOOT
TRAFFIC ON A
SATURDAY THAN
A THURSDAY

TRAFALGAR STREET FOOT
TRAFFIC ACCOUNTS FOR
52% OF ALL REGISTRATIONS



SATURDAY
FOOT TRAFFIC PEAKS
BETWEEN 11AM & 1PM
AND ACCOUNTS FOR 33% OF
ALL REGISTRATIONS FOR THE DAY



FOOT TRAFFIC AFTER
6PM IS CONSISTENT ON
BOTH SATURDAYS AND
WEEKDAYS



WEEKDAY
FOOT TRAFFIC PEAKS
BETWEEN 12PM & 2PM

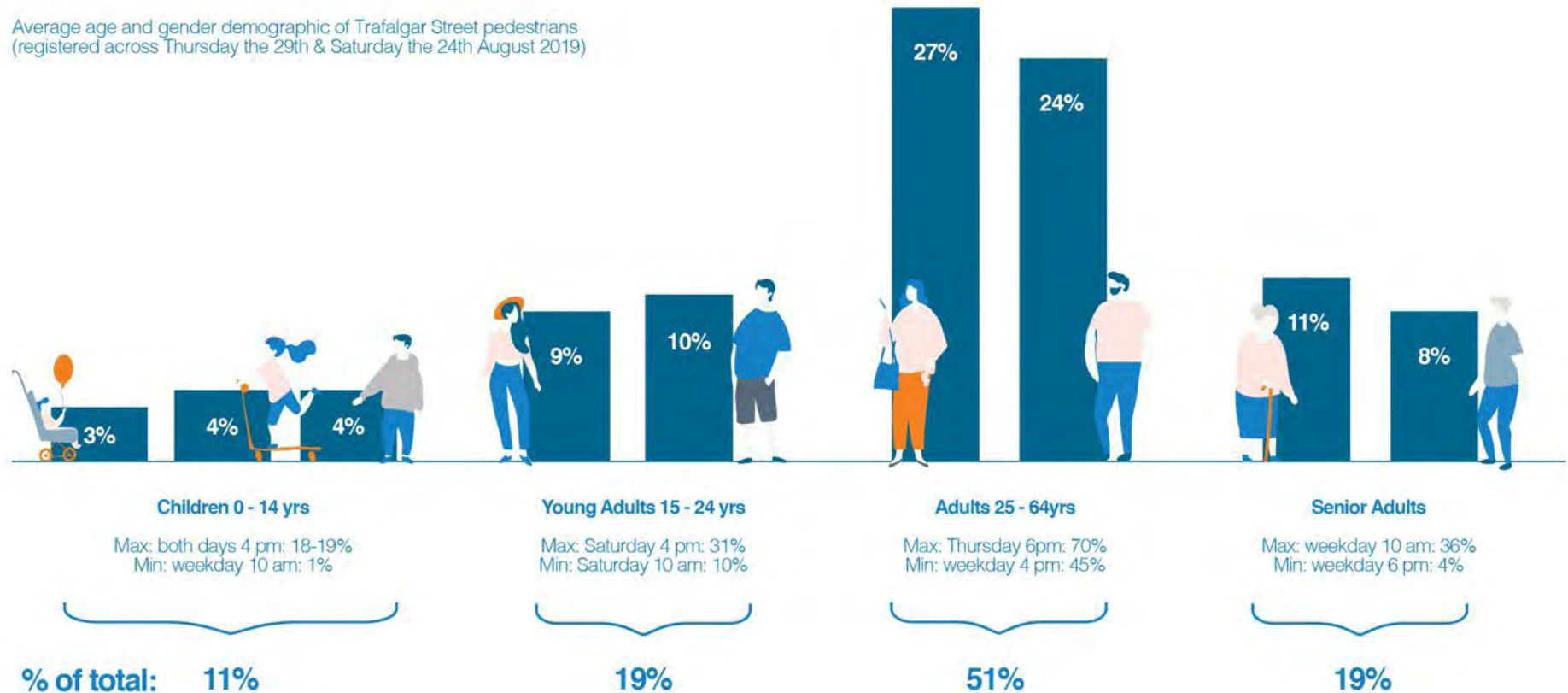
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PRELIMINARY FINDINGS

AGE & GENDER SPREAD / WINTER

Average age and gender demographic of Trafalgar Street pedestrians (registered across Thursday the 29th & Saturday the 24th August 2019)



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PRELIMINARY
FINDINGS

STAYING ACTIVITIES AT A GLANCE SUMMER

1,817 REGISTERED
ACTIVITIES

06 SURVEY
LOCATIONS

**SITTING IN CAFES IS
THE MOST POPULAR
REGISTERED ACTIVITY,
ACCOUNTING FOR 45%
OF ALL REGISTRATIONS**

671 **1146**

NUMBER OF
REGISTERED
WEEKDAY
STAYING
ACTIVITIES

NUMBER OF
REGISTERED
SATURDAY
STAYING
ACTIVITIES



**LESS THAN 0.05%
OF ACTIVITIES REGISTERED
INCLUDED CHILDREN AT PLAY**



ACTIVITY PEAKS
WEEKDAYS: 6PM-8PM
SATURDAYS: 12PM-2PM



**SITTING IN PUBLIC OR
COMMERCIAL SEATS
ACCOUNTS FOR 71%
OF ALL REGISTERED
ACTIVITIES**



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Seeing ourselves

'Pou Forest', Te Ara Laneway, Albion Square

Concept - Not actual design



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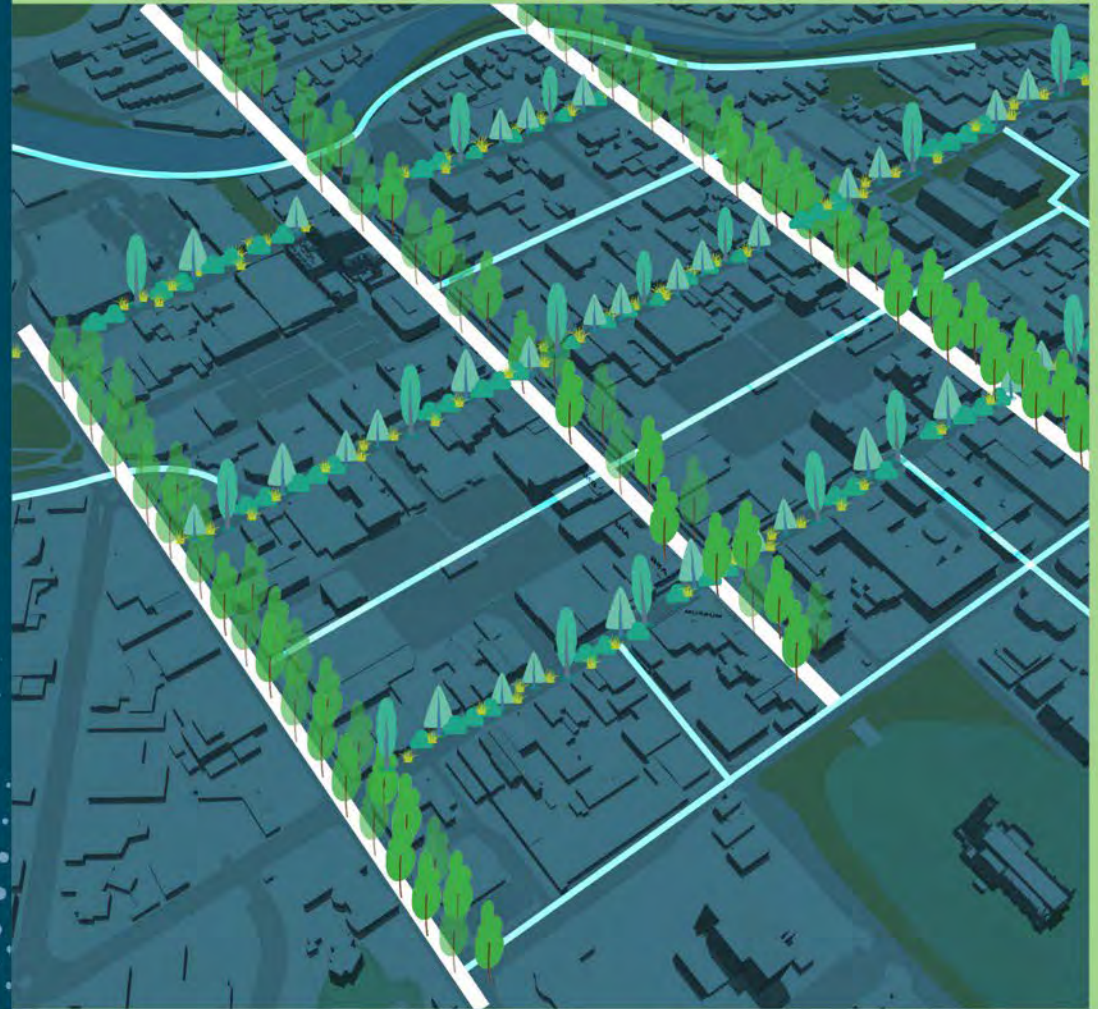
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Greener streets



Greener Streets Bridge Street Linear Park – Trafalgar Street



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Raising residents



Raising Residents Betts Apartments



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Raising Residents Betts Apartments



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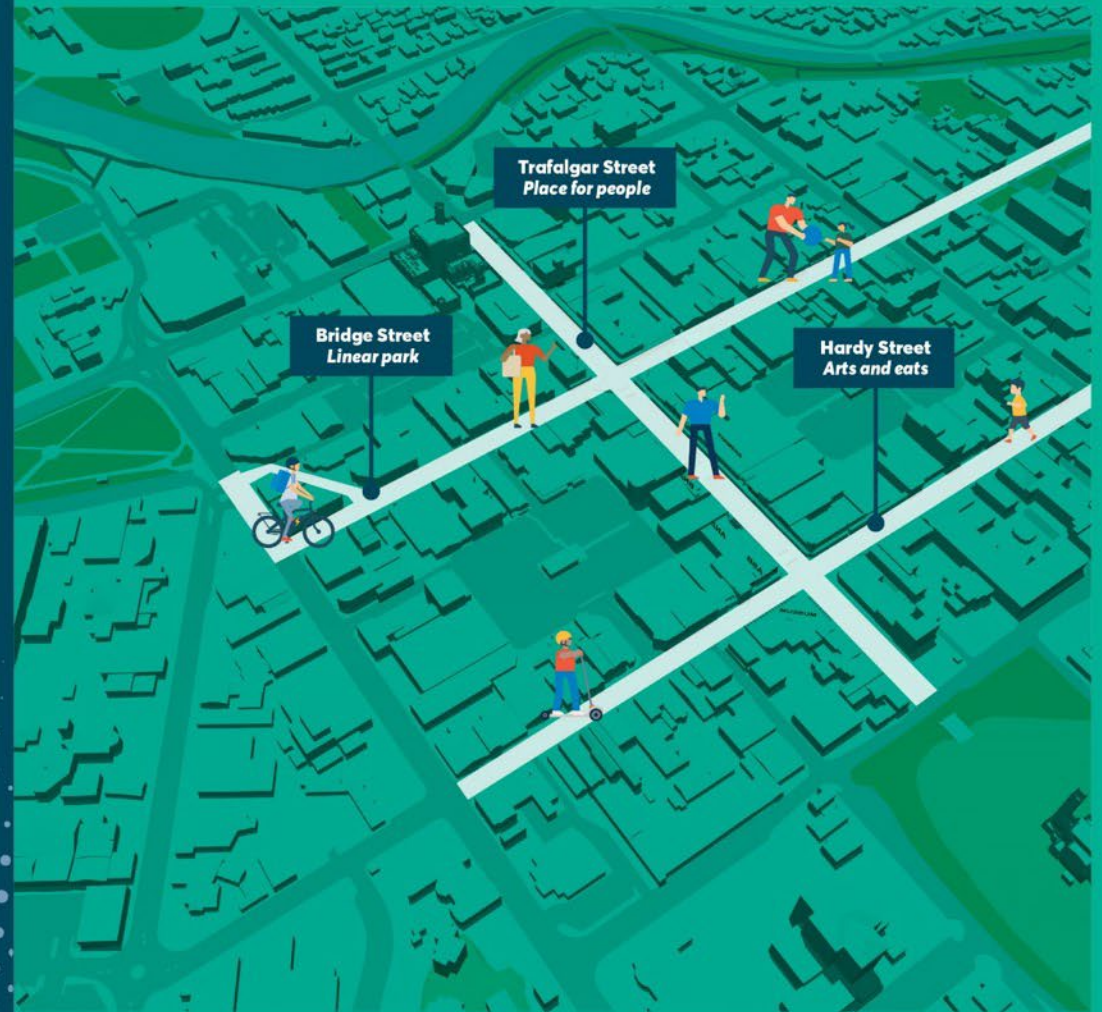
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Streets for people



Streets for People Bridge Street Linear Park



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\$36 million infrastructure funding announcement 'game-changer for Nelson'

Skara Bohny · 13:02, Oct 13 2022



NELSON CITY COUNCIL/SUPPLIED

The funding will go towards critical infrastructure like pipes and roading upgrades to support about 1000 new homes in Nelson's centre.

Nelson will be getting a \$36 million slice of a \$192m Government fund, which outgoing mayor Rachel Reese says is a “game-changer” for the city.



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A 1 percent annual exceedance probability in flood flow Nelson City - with 0.5m sea level rise. It would see the CDB and half the homes in The Wood inundated. Photo: Supplied / Nelson City Council

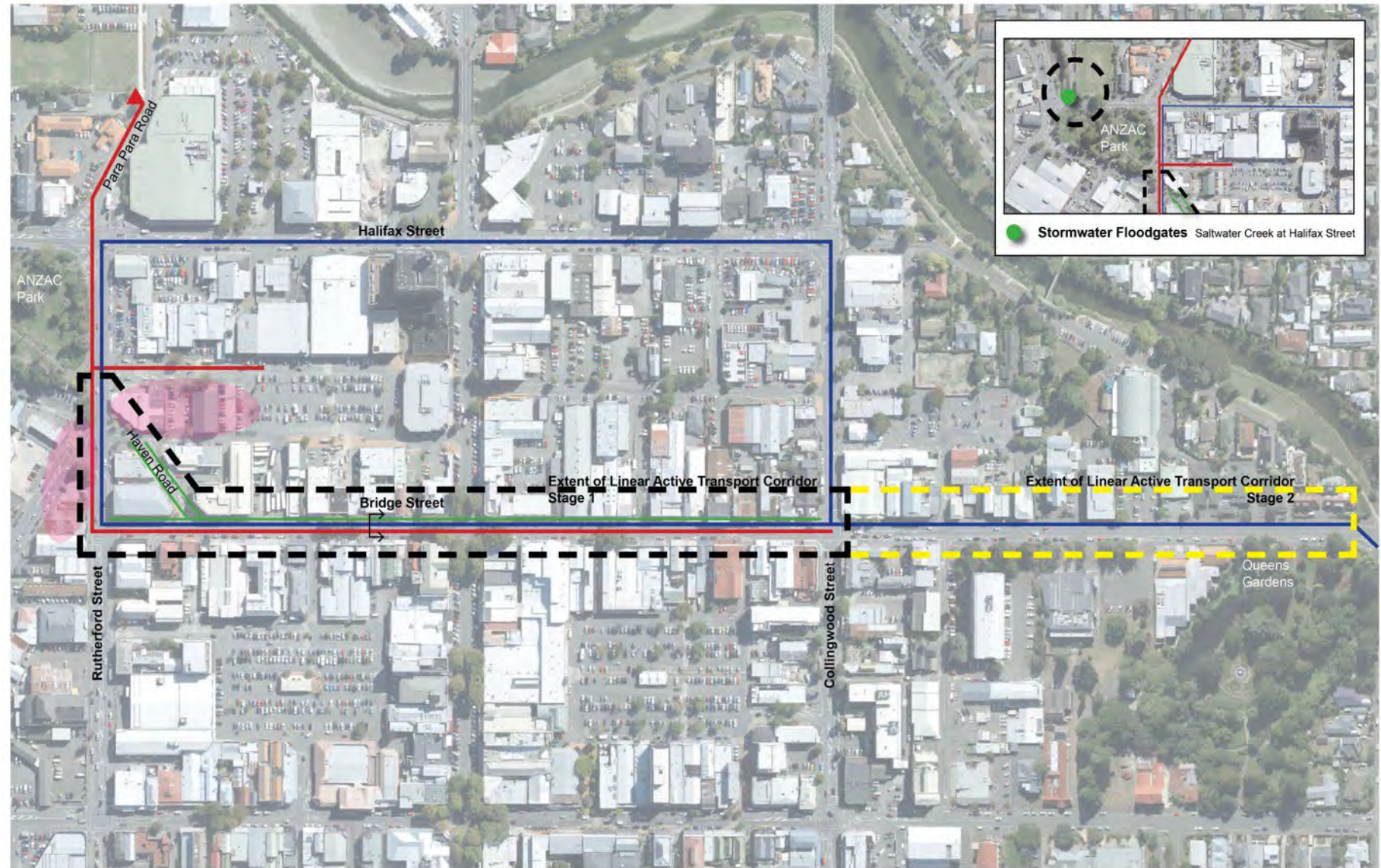


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LEGEND

- Stormwater Floodgates
- Wastewater Pumpstation Upgrade
- Wastewater Pipeline Upgrade
- Stormwater Pipeline Upgrade
- Extent of Linear Active Transport Corridor
- Extent of Linear Active Transport Corridor (Future)
- Kainga Ora Development Sites

Proposed Services Upgrade Plan - IAF EOI
Bridge Street Linear Active Transport Corridor



Infrastructure Approach Bridge Street Linear Park

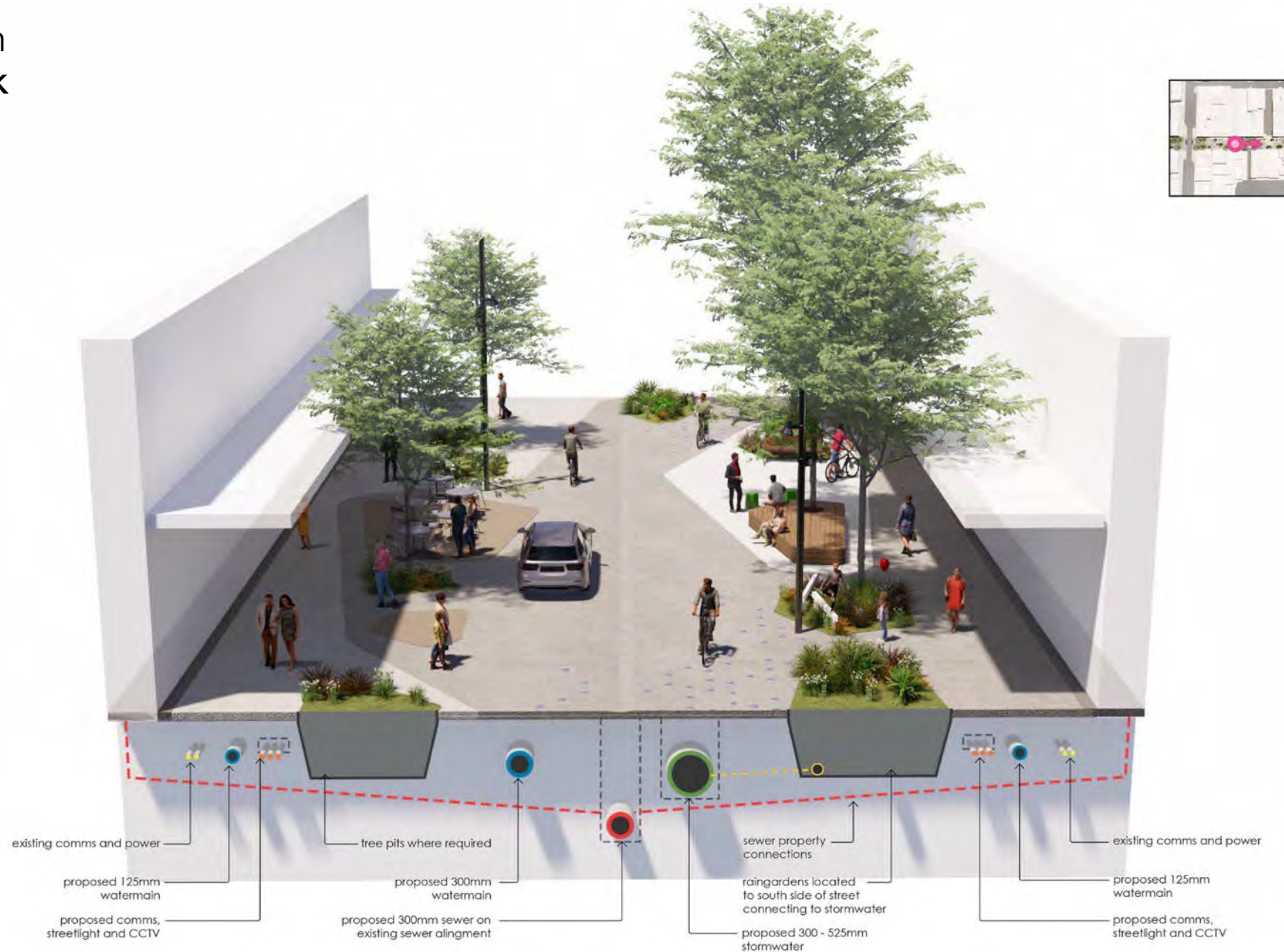


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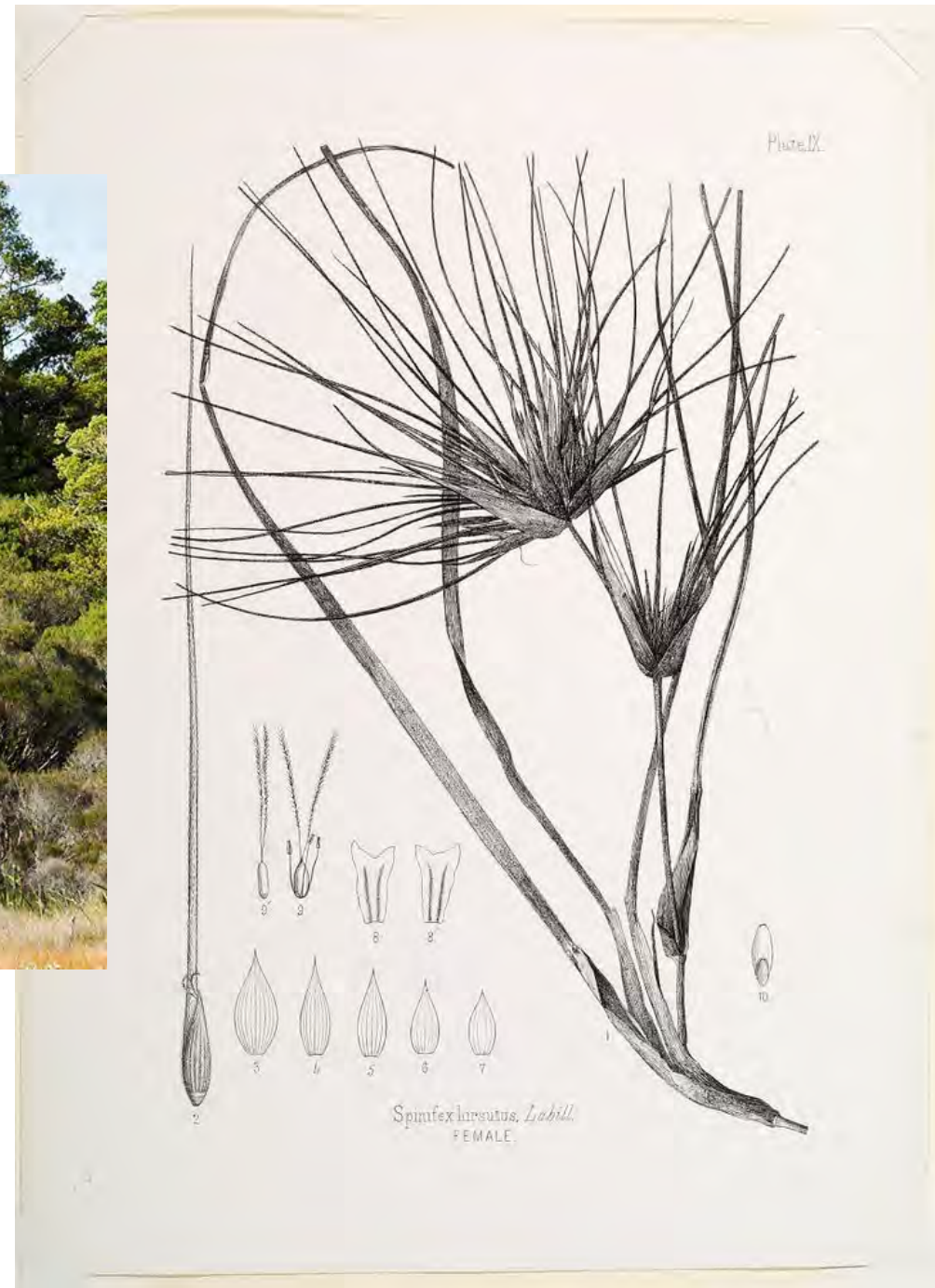
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He Ringatoi o Ngā Tūpuna

"The town area, mostly flat, was covered in toetoe, bracken fern and mānuka, up to 9 feet high."

Ngā Iwi o Te Tauihu Today

- Kurahaupō Waka
 - Ngāti Kuia
 - Ngāti Apa ki te Rā Tō
 - Rangitāne o Wairau
- Tainui Waka
 - Ngāti Rārua
 - Ngāti Kōata
 - Ngāti Toa Rangatira
- Tokomaru Waka (Taranaki)
 - Ngāti Tama ki Te Tau Ihu
 - Te Ātiawa o Te Waka-a-Māui



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Cadastral map showing the old entrance to Nelson Haven between the end of the Boulder Bank (now Haulashore Island) and Arrow (now Fifeshire) Rock. It also gives the Bank a Maori name (Tahuna a tama i ea), c. 1906. Nelson Provincial Museum: Plan of Waimea County, New Zealand Lands and Survey Department, c. 1906, Library and Archives Collection, M1628



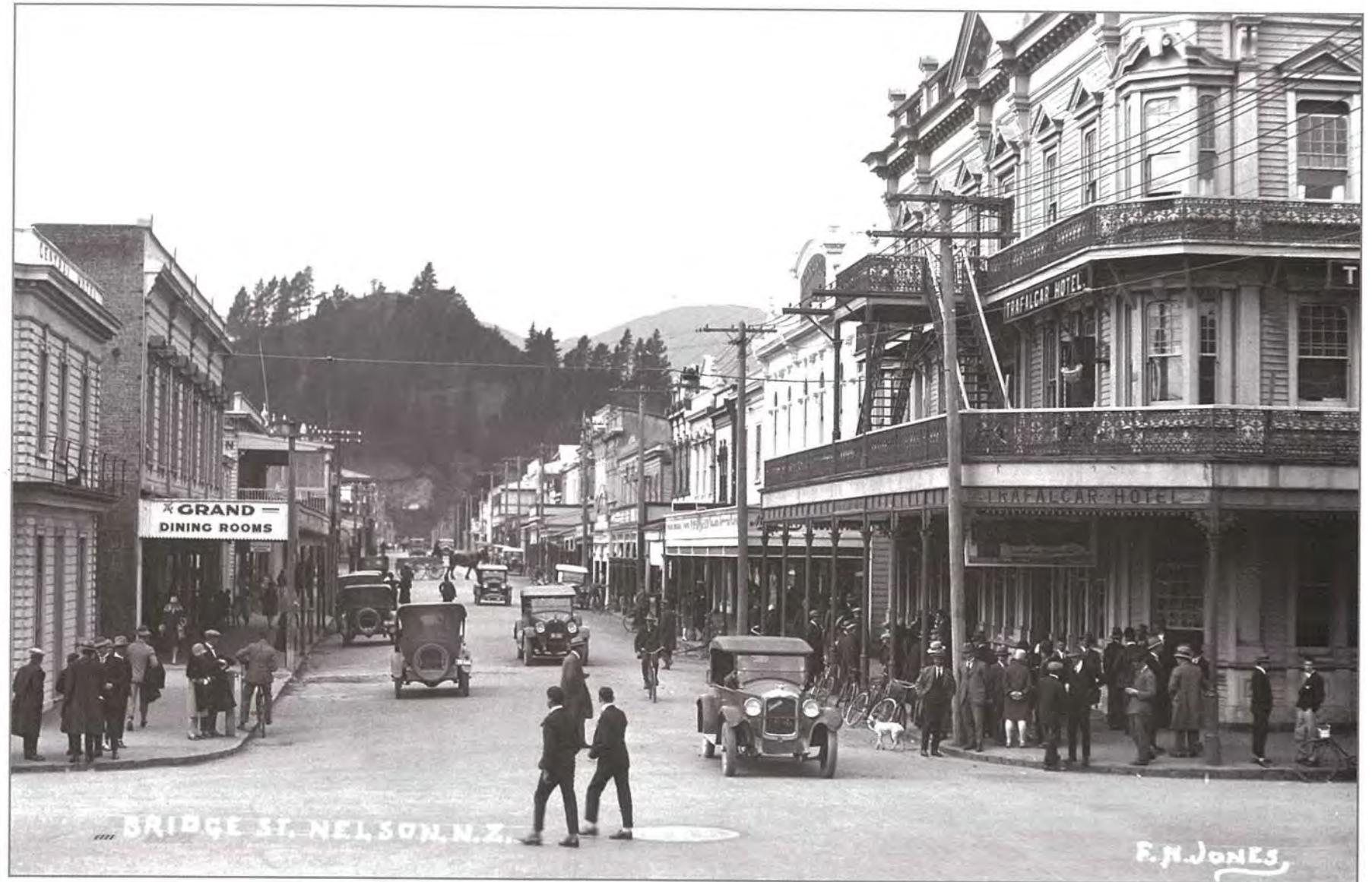
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Vacant Shop Activations Make/Shift Spaces



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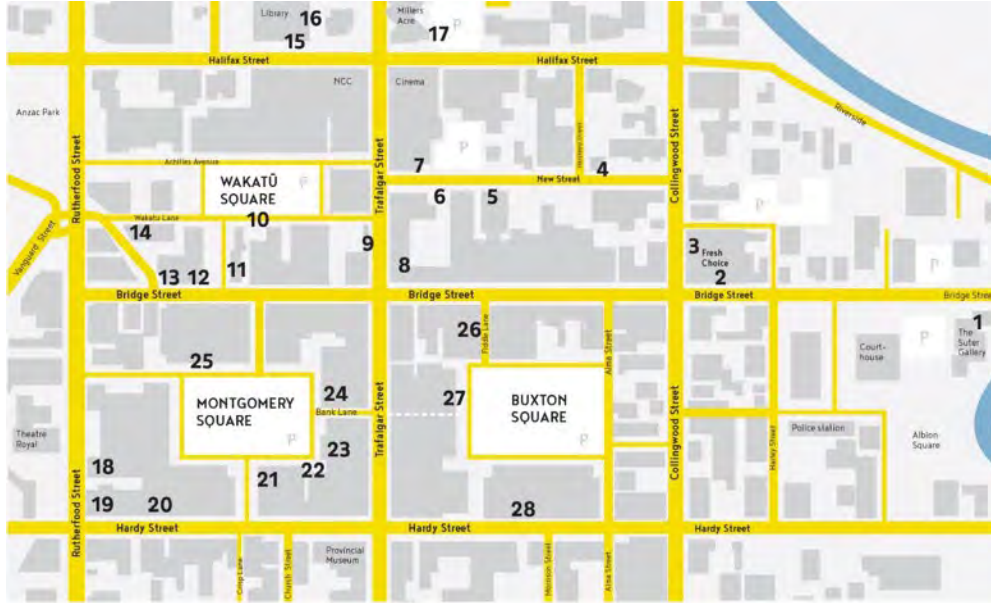
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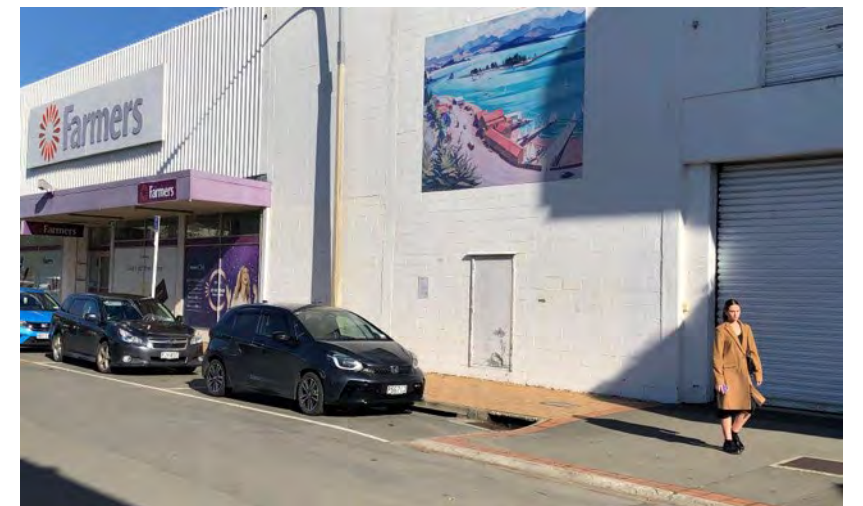
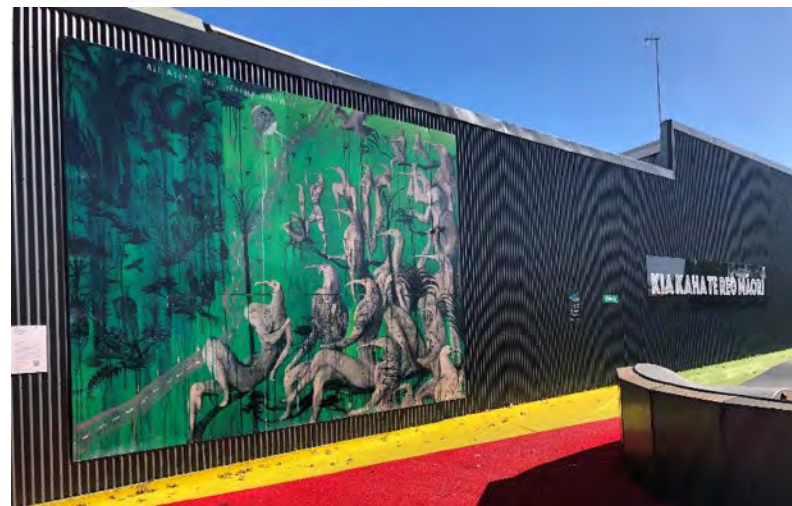
Nelson City Centre Artwalk Make/Shift Spaces



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Nelson Arts Festival Mask Parade



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Light Nelson Te Ramaroa



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Thank you



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