

CAMPBELLTOWN CITY COUNCIL ON Q 2020 2021 PROGRAM EVALUATION REPORT

May 2022



ACKNOWLEDGEMENTS

Campbelltown City Council acknowledges the Dharawal people as the traditional owners of the land our local government area is located on. We pay respect to elders past, present and emerging and have sought to ensure that the celebration of Campbelltown's rich Aboriginal culture and history was respected through the On Q program.

The 2020-2021 On Q Program and this detailed evaluation would not have been possible without funding received from the NSW Department of Planning, Industry and Environment through the Streets as Shared Spaces Program.

We thank our evaluation partners Place Intelligence, South Western Sydney Local Health District and Western Sydney University for their contributions throughout the project.

Council would also like to acknowledge all of our community members who participated in the On Q program whether attending events, enjoying the new street furniture or taking the time to give feedback.



Table of Contents

Executive Summary	6
01 – Introduction	10
1.1 About this document	10
1.2 On Q program purpose and background	10
1.3 Community priorities to revitalise Queen Street	10
1.4 On Q Program overview	11
1.4.1 Tactical urbanism program overview	11
1.4.2 Events and activations program overview	12
1.4.3 Other Council-led activities to revitalise Queen Street	14
1.5 About the study area	15
02 – Evaluation objectives and approach	18
2.1 Evaluation purpose and objectives	18
2.2 Evaluation approach and framework	18
03 – Measuring On Q’s Success	22
3.1 Measuring success	22
3.2 Measuring physical change	22
3.2.1 Physical change overview	22
3.2.2 Stage 1 – Physical changes to Lithgow Street	23
3.2.3 Stage 2 – Physical changes to Queen Street	25
3.2.4 Other physical changes delivered in the 2020–2021 On Q program	26
3.3.5 Physical change summary	29
3.3 Measuring place activation	31
3.3.1 Place activation overview	31
3.3.2 Increasing pedestrian activity	31
3.3.3 Increasing time spent	34
3.3.4 Increasing retail turnover	36
3.3.5 Increasing active transport	40
3.3.6 Decreasing traffic speed	41
3.3.7 Decreasing traffic dominance	43
3.3.8 Place activation summary	45
3.4 Measuring Community Sentiment	46
3.4.1 Community sentiment overview	46

3.4.2 Council-led community engagement	46
3.4.3 Big data community sentiment analytics methods and results	52
3.4.4 Community sentiment summary and key insights	56
04 – Conclusion	58
Appendices	59
Appendix A: Complete On Q events and activations program in 2020 and 2021	59
Appendix B: Summary of On Q performance against Streets as Shared Spaces Program Success Indicators	64
Appendix C: Infrastructure plans for physical changes	66
Appendix D: Example of signage informing the community about places to park due to changes in Stage 2	74
Appendix E: SpendMapp Data information	75

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Executive summary

Executive Summary

About On Q

On Q is a program delivered by Campbelltown City Council (Council) that was designed to test and trial new ideas and improvements for public spaces in Queen and Lithgow streets in Campbelltown. On Q was kick-started with \$1 million funding awarded from the NSW Government's Streets as Shared Spaces program. The Streets as Shared Spaces Program created an opportunity to test pop-up, creative infrastructure ideas while increasing Council's engagement with the business and broader community in a deep and innovative way.

The On Q program encompassed:

- a tactical urbanism program, consisting of temporary physical place interventions to make the place more pedestrian friendly and improve people's perception and experience of the space. Physical interventions included the installation of parklets, additional greenery, street trees and gardens, extra seating and places to rest.
- an events and activations program to attract people to the area and help bring the city to life. This included a broad range of community events including public art activations, live music, food trucks, markets, workshops and "instagrammable" installations.

The ultimate aim of On Q, is to support the revitalisation of Queen Street, which emerged as one of the central themes from the community engagement process for the Reimagining Campbelltown City Centre Master Plan (Reimagining Campbelltown).



Image above: Parklet with seating, temporary trees in pots shading and grass installed on Queen Street as part of On Q.

On Q evaluation purpose and approach

Campbelltown City Council (Council) has prepared this document to evaluate the outcomes of the On Q program so far. Primary objectives of this evaluation are to:

- understand the outcomes delivered as part of the On Q Program in 2020 and 2021
- understand community perspectives on the interventions delivered
- identify key learnings to be incorporated into future planning and projects
- inform the next steps for Council-led activities to revitalise Queen Street
- support evidence-based discussions about future changes with our community, Council, colleagues across government and other partners
- meet Council's obligations under the Streets as Shared Spaces Program.

Central to the evaluation of On Q was the establishment of a series of place performance indicators that can be used to compare trend data over time. These indicators represent a synthesis of:

- Objectives established as part of Reimagining Campbelltown
- Community aspirations and ideas for Queen Street as gathered through engagement
- Success indicators from the Streets as Shared Spaces Program
- Healthy Streets indicators.

These indicators have been organised into an evaluation framework with three primary themes: physical changes, place activation, and community sentiment. The framework and key data are shown in the table below.

Table: Evaluation Framework and data inputs overview

Theme	Desired changes / indicators	Key data inputs
Physical change	<ul style="list-style-type: none">• Increased public space allotted to pedestrians (sqm)• Increase in length of street with 2.5m+ clear width for walking (m)• Additional lighting• Additional street trees (no.) and planting at footway level (sqm)• Additional shade and weather protection• Additional public art• Additional things to see and do• Additional places to stop and rest• Additional length of continuous cycleway (m)• Reduced dominance of car parking	<ul style="list-style-type: none">• Quantified by Council as individual interventions are delivered
Place activation	<ul style="list-style-type: none">• Increase in pedestrian activity (number people) and time spent on Queen Street• Increase in retail turnover• Increase in business opening hours• Increased active transport• Decrease in traffic dominance (no. vehicles)• Decrease in traffic speed (km/h)	Data inputs <ul style="list-style-type: none">• Place Intelligence big data analytics• Spendmapp data• Council-led audits
Community sentiment	<ul style="list-style-type: none">• Improved perception of Queen Street as a destination• Increased feelings of safety• Increase in perceived quality of public spaces• Stronger sense of community	<ul style="list-style-type: none">• Council-led community engagement• Big data study led by Place Intelligence

Key findings

Overall, this evaluation has shown that the On Q program has been largely successful in achieving its desired outcomes. Physical changes and programming have generally increased the level of place activation and created positive community sentiment.

However, there are a range of nuances in community feedback on the future of the On Q program, including what to do with the temporary parklets and future changes to parking in the area, as well as the broader program to revitalise Queen Street.

Table: On Q program and evaluation summary

Topic	Summary
Total funding spend	<ul style="list-style-type: none">• \$1,000,000 – Grant awarded through NSW Government's Streets as Shared Spaces Fund from NSW Department of Planning, Industry and Environment• \$120,000 – Council funds
Program duration assessed in this report	<ul style="list-style-type: none">• October 2020 to December 2021
Events and activations	<ul style="list-style-type: none">• 37 events and activations delivered over 14 months from November 2020 to December 2021
Community engagement activities delivered	<ul style="list-style-type: none">• 19 in person and online surveys conducted by Council staff between December 2020 and April 2022, with a total of 1,485 responses from the Campbelltown community.
Physical place Improvements	<ul style="list-style-type: none">• 1,265 square metres (sqm) of additional space for people to enjoy created by removing 38 parking spaces and reallocating roadway space to pedestrians• 124 additional places to sit provided• 48 temporary trees introduced• 169sqm additional planting at footway level delivered
Place activation outcomes	<ul style="list-style-type: none">• 9.77% increase in footfall in activation area (excluding lockdown periods)• 15% increase in time spent, specifically between 18-21 minutes• 38% reduction in average vehicle speeds, from 18km/hr to 11km/hr• 5.83% increase in pedestrian trips and a 8.5% decrease in vehicle trips as a proportion of total trips in the On Q activation precinct.
Community sentiment outcomes	<ul style="list-style-type: none">• Consistent positive feedback on events, community demand for more events and feedback that events are an important way to build a stronger sense of community.• A fairly consistent level of support for maintaining the parklets and changes to parking delivered through On Q, as well as a consistent minority of people (around 20%) who would like for the street to be reverted back to the way it was.• A range of suggestions to improve the street including trialling Queen Street as a non-smoking area, and taking steps to improve safety and improve the retail, food and beverage offering On Queen Street



01 Introduction

01 – Introduction

1.1 About this document

This document has been prepared by Campbelltown City Council (Council) to evaluate the outcomes of the On Q program through a series of qualitative and quantitative assessment measures. It will support Council to provide informed feedback to our community and to make evidence-based decisions as the program to revitalise Queen Street progresses. The document highlights data collection methods, assessment frameworks, results and implications of findings.

Campbelltown City Council is committed to evidence based decision making. We seek to ensure that the projects we invest in will have the greatest benefit to our communities – both today and into the future. To this end, we have highlighted the impacts and benefits of the grant funded On Q program, providing a sound basis for ongoing assessment for future Council-led programs and to ensure the NSW Government can realise its aims of creating liveable and loved communities across New South Wales.

1.2 On Q program purpose and background

On Q is a Council-led program designed to test and trial new ideas and improvements for public spaces in Queen and Lithgow streets in Campbelltown. The ultimate aim of On Q, is to support the revitalisation of Queen Street, which emerged as one of the central themes from the community engagement process for the Reimagining Campbelltown City Centre Master Plan (Reimagining Campbelltown). Queen Street sits at the heart of Campbelltown City Centre and is the main pedestrian spine weaving together civic, cultural, community and business uses.

On Q was kick-started with a \$1 million grant awarded from the NSW Government's Streets as Shared Spaces program. The Streets as Shared Spaces Program created an opportunity to test pop-up, creative infrastructure ideas while increasing Council's engagement with the business and broader community in a deep and innovative way.

The On Q program encompassed a range of approaches focused on tactical urbanism and events and activations. These are discussed in greater detail in [Section 1.4](#). The On Q program was originally planned to run for 12 months, concluding in October 2021. However, the program was extended due to the protracted Greater Sydney lockdowns as a result of Covid-19 in 2021.

1.3 Community priorities to revitalise Queen Street

Through extensive engagement undertaken as part of preparing Reimagining Campbelltown, the Campbelltown community identified the following priorities for revitalising Queen Street:

- attract residents and workers to Queen Street through amenity upgrades which protect its human scale, create great public domain and include street trees
- showcase our cultural diversity by creating a Spice Lane, café, bar and restaurant precinct offering food from around the world
- tell our stories through street art and sculptures in public spaces
- activate Queen Street throughout the day and night to create an 18 hour economy and improve safety.

This engagement, and the overall community vision, directly shaped the On Q program. Ideas were explored and tested to inform more permanent improvements to local streets, paths and public spaces.

The community was encouraged to get involved and provide insight and feedback to the program to ensure that it was responding to community needs and would deliver successful place based outcomes.



Image: The community was instrumental in shaping the focus on the On Q program to ensure that it was delivering to their needs and requirements.

1.4 On Q Program overview

On Q sought to contribute to the revitalisation of Queen Street through a tactical urbanism program and program of events that worked together to activate public spaces. These easy to implement interventions were designed to generate community participation and engagement in public spaces, and to inform the direction for future planning and programs.

1.4.1 Tactical urbanism program overview

Tactical urbanism refers to the range of low cost, pop-up and semi-permanent physical interventions aimed at making streets and public spaces more pedestrian friendly. These short-term 'tactical' approaches have been used to test ideas for more permanent improvements to local streets, paths and public spaces.

On Q delivered a range of temporary physical interventions, changes, upgrades and activations to the Queen Street and surrounding area with interventions including additional greenery, street trees and gardens, extra seating and places to rest, visual activations and "instagrammable" installations.

As part of the tactical urbanism component, On Q delivered:

- wider footpaths
- re-orientated car parking bays
- shared space for vehicles and cyclists
- increased greenery including pot-plant trees and vertical gardens
- public art installations
- spaces for outdoor dining and seating
- outdoor play areas.

Key benefits of employing tactical urbanism for On Q have been that the approach enables Council to undertake ongoing meaningful engagement with the community about something tangible rather than an abstract plan. By making temporary physical changes, Council has been able to show our community what may

be proposed as a permanent change and see how people are using the space before we make more expensive, permanent changes.

Tactical urbanism has also allowed Council to deliver changes on the ground quickly for immediate impact. Detailed planning and design work for future permanent changes to Queen Street is underway but takes many years to complete and then be delivered. Tactical urbanism has enabled Council to get started quickly.



Image: An example of a pop-up park with planting, seating and shade installed on Lithgow Street as part of On Q.

1.4.2 Events and activations program overview

Events and activation refers to the program of planned activities that attract people and help bring the city to life. The On Q events and activations program sought to attract people to Queen Street, and encourage them to engage more deeply with activities and community, spend more time in the temporary spaces that have been created, and to support local businesses. All events were free to attend. However, some events required attendees to register.

The events and activations program was designed to incorporate both broad community events and events and activities aimed at engaging particular audience cohorts such as children and families, young professionals, teens and young people, and seniors. Some examples of events delivered include:

- Valentines Day, Easter and Christmas markets
- Live music and pop-up food stalls for workers on Friday nights
- School holiday programming for children and families
- Programs to activate specific temporary spaces, such as the creative dance space Forum Q
- Beats n Eats – mini food and music festival

The complete events and activations program for 2020 – 2021 is contained in [Appendix A](#).

Though the programming faced some interruptions due to Covid-19 lockdowns, a wide range of events and activations have been delivered as part of the On Q program. Their distribution over the 2020-2021 On Q program is shown below.

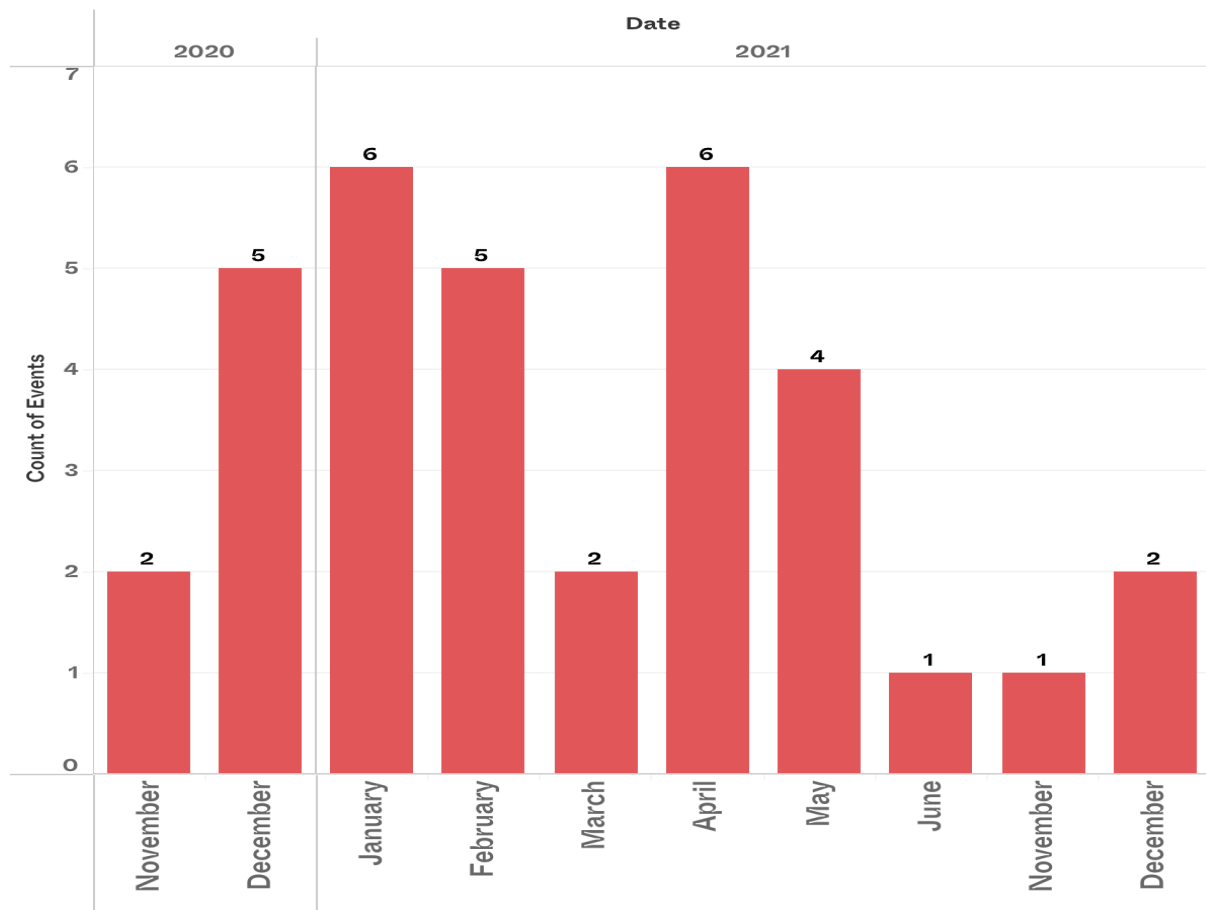


Image: Distribution of events On Q over the program period – the gap between June and November 2021 reflects the extended lockdown period during this time.



Images above: The Valentine's Day installation was designed to promote "Instagrammable" moments for people to engage with and post to their social media channels using the #ONQCAMBELLTOWN hashtag.



Image: community participation in the Cypher Session event at temporary interactive dance space, Forum Q

1.4.3 Other Council-led activities to revitalise Queen Street

In concert with the On Q program, Council has been scoping, planning and delivering a range of other activities to support the revitalisation of Queen Street. Throughout 2020-2021 On Q program, Council:

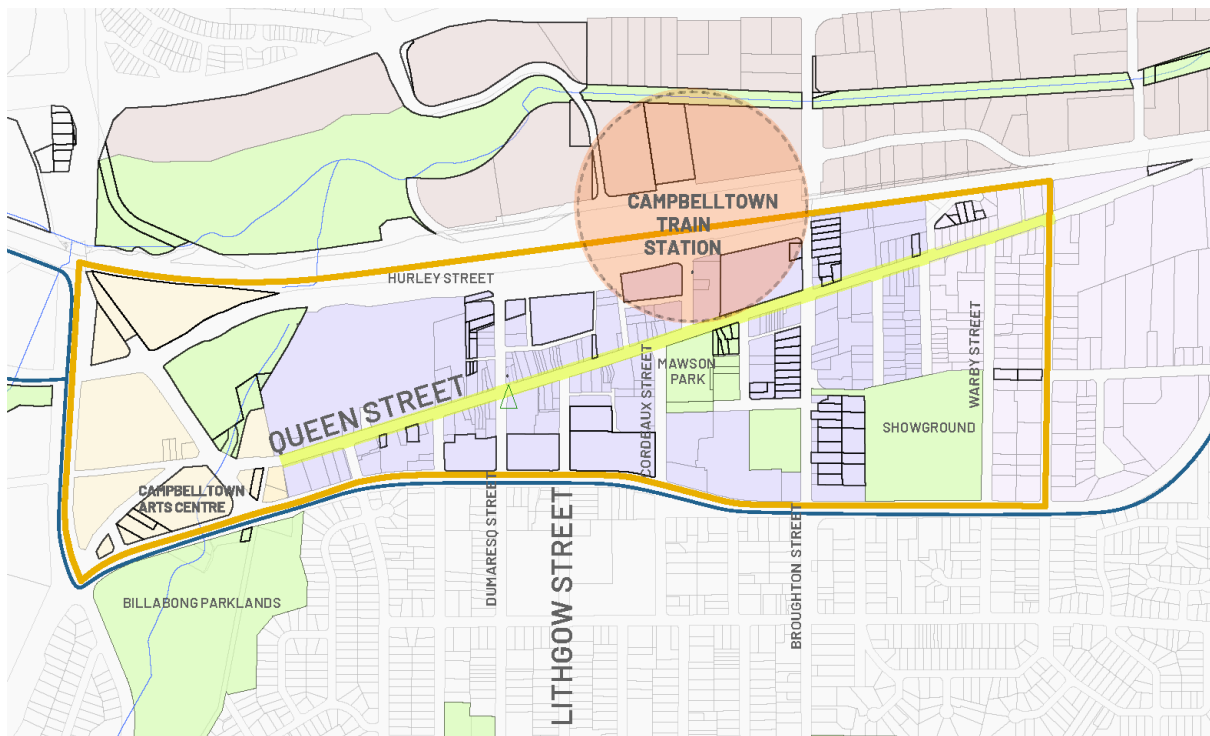
- delivered two rounds of Street Appeal grants for local businesses in Campbelltown to enable shopowners to improve the look and feel of their shopfronts, adding to the visual appeal of the street
- delivered marketing campaigns promoting our small businesses and encouraging people to 'shop local' through social marketing campaigns such as Own It and Share the Local Love
- provided grants to support local businesses through the Covid-19 pandemic and lockdowns
- commenced a project to develop detailed planning and design controls for Campbelltown City Centre, to ensure future development aligns with the Reimagining Campbelltown vision.

Council is also progressing the pipeline of large scale infrastructure projects that will attract investment and opportunities to Queen Street in the medium to long term. Notably, this includes working with partners across NSW and Federal Government to progress the opportunity to deliver a new Community and Justice Precinct, which will become a hub for government agencies, legal and professional services organisations, and education on Queen Street. Council is incorporating our plans for a new city library and other community facilities in this precinct which will bring new faces, new customers and new opportunities to Queen Street.

1.5 About the study area

Campbelltown-Macarthur is identified as a Metropolitan Cluster Centre within the Western City District Plan. It is the key location for providing the metropolitan functions within the Macarthur Region including concentrations of higher order jobs, a wide range of goods and services; entertainment, leisure and recreational activities; as well as cultural and arts experiences.

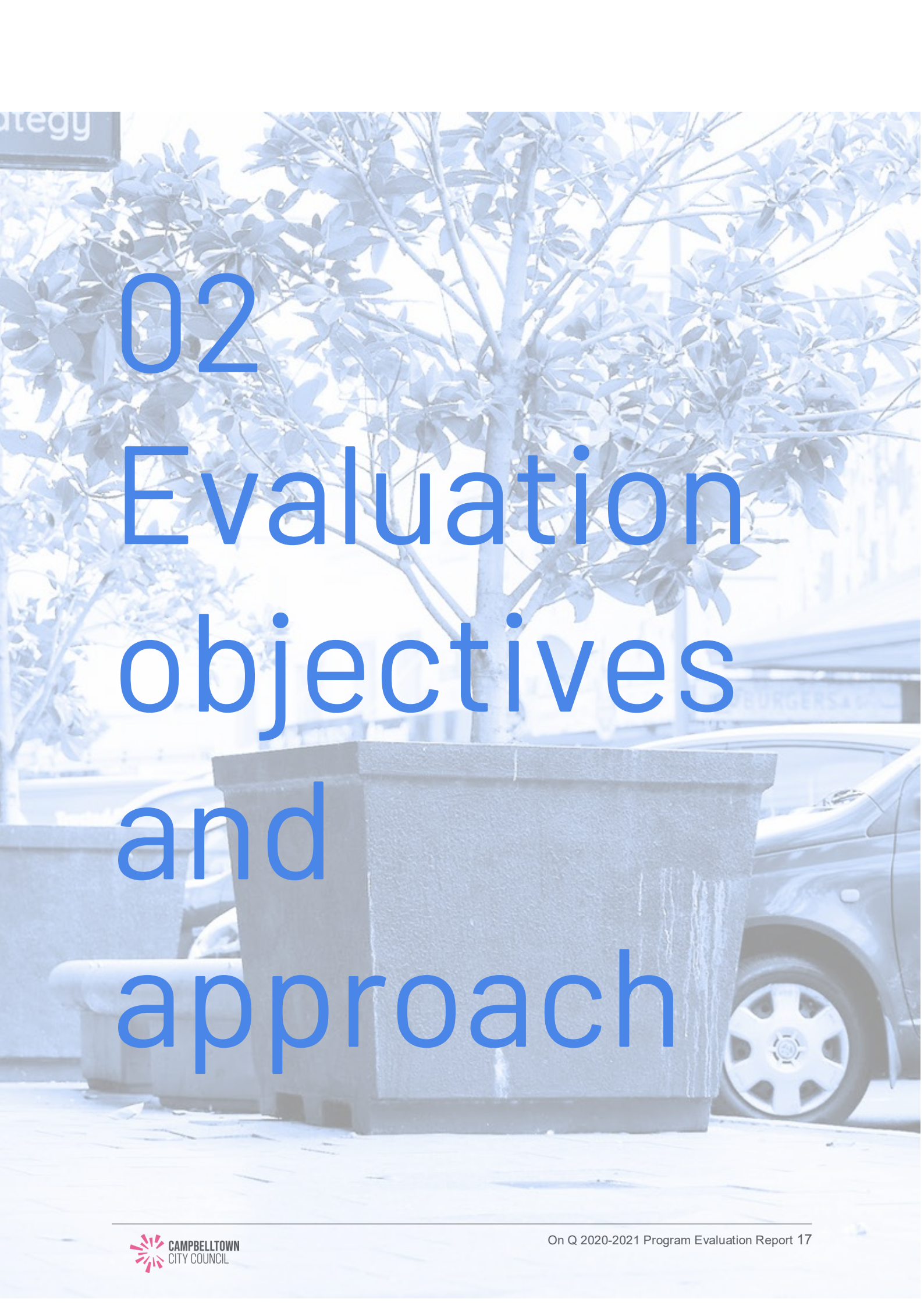
Queen Street is the high street of Campbelltown, located in the heart of Campbelltown City Centre. The On Q program focused on the area around Queen Street from Cordeaux Street to Dumaresq Street, and encompassing the central plaza of Lithgow Street. Maps 1 and 2 following show the location of the Queen Street Precinct and the focus area for the On Q activation program, respectively.



Map 1 - The Queen Street Precinct context area. The precinct includes local shops, Campbelltown Train Station, Campbelltown Arts Centre, community parks and numerous car parks.



Map 2 - The On Q activation area shown. The activation zone is characterised by single storey local shops along a narrow road corridor with pedestrian priority areas.



02 Evaluation objectives and approach

02 – Evaluation objectives and approach

2.1 Evaluation purpose and objectives

Tactical urbanism is a way to test and trial short term interventions to get to long term improvements in the area. This approach is powered by deep community engagement that sources ideas and feedback from the community to engage them in the reimagining of their city. In order to continue to effectively engage with the community, it is important to follow up these tests and trials with critical evaluation to understand the impact that they have had on the area.

Primary objectives of this evaluation of On Q are to:

- understand the outcomes produced by interventions and activations delivered as part of the On Q Program in 2020 and 2021
- understand community perspectives on the interventions delivered and support deeper engagement about the future of our city centre
- identify key learnings to be incorporated into future planning and projects
- enable evidence-based discussions about future changes with our community, Council, colleagues across government and other partners
- meet Council's obligations under the Streets as Shared Spaces Program.

2.2 Evaluation approach and framework

Campbelltown City Council has adopted an evidence-based approach to diverse urban and redevelopment initiatives across our wider Local Government Area. The rise of big data relating to many aspects of urban landscape has enabled us to collect, interpret and compare information about communities, place sentiment, asset condition and lifecycle, spend and economics, environment and climate impact, safety, transportation and many other areas of interest.

As part of the On Q evaluation Council engaged a number of third party services to undertake both quantitative and qualitative assessments of the program. This work encompassed developing a series of precinct wide studies that extended beyond the geographic extent of the On Q program, allowing for an index to be developed between the broader area and the activated zones on Queen Street.

Central to the performance assessment of the On Q program was to establish a series of place performance indicators that can be used to compare trend data over time. These indicators represent a synthesis of:

- objectives established as part of Reimagining Campbelltown
- community aspirations and ideas for Queen Street as gathered through engagement
- success indicators established by the NSW Department of Planning, Industry and Environment's Public Spaces team as part of the Streets as Shared Spaces Program
- Healthy Streets indicators.

The full list of success indicators developed as part of the Streets as Shared Spaces Program and Council's performance against them is included in [Appendix B](#).

These indicators have been organised into three primary themes: physical changes, place activation, and community sentiment.

Theme 1 – Physical change

Audits of the physical changes to Queen Street seek to document and quantify the semi-permanent physical upgrades to the area.

Theme 2 – Place activation

Place activation refers to the amount and type of activity in a place over time. The On Q program included a range of events, physical upgrades, and access modifications to Queen and Lithgow streets aiming to increase place activation and change the type of activity to be more focused on pedestrians and people on bikes, rather than people in vehicles.

Theme 3 – Community sentiment

Community sentiment analysis seeks to gain a deeper understanding of how different community groups feel about places and programs over time. This analysis focuses on qualitative data, drawing insights from community engagement undertaken by Council, community voice information (what people say about the program online), machine driven image analysis of photography shared on public social media, and observational analyses undertaken during events and activation projects.

The table following summarises the evaluation framework which groups key indicators by theme and key data inputs used to measure changes.

Table: On Q Evaluation Framework and data inputs overview

Theme	Desired changes / indicators	Data inputs to measure changes
Physical change	<ul style="list-style-type: none"> Increased public space allotted to pedestrians (sqm) Increase in length of street with 2.5m+ clear width for walking (m) Additional lighting Additional street trees (no.) and planting at footway level (sqm) Additional shade and weather protection Additional public art Additional things to see and do Additional places to stop and rest Additional length of continuous cycleway (m) Reduced dominance of car parking 	<ul style="list-style-type: none"> Quantified by Council as interventions are delivered
Place activation	<ul style="list-style-type: none"> Increase in pedestrian activity (number people) and time spent on Queen Street Increase in retail turnover Increase in business opening hours Increased active transport Decrease in traffic dominance (no. vehicles) Decrease in traffic speed (km/h) 	<p>Data inputs</p> <ul style="list-style-type: none"> Place Intelligence big data analytics Spendmapp data Council-led audits
Community sentiment	<ul style="list-style-type: none"> Improved perception of Queen Street as a destination Increased feelings of safety Increase in perceived quality of public spaces on and around Queen Street Stronger sense of community 	<ul style="list-style-type: none"> Community engagement conducted by Council Social listening Study led by Place Intelligence



03

Measuring Success

03 – Measuring On Q’s Success

3.1 Measuring success

To evaluate the success of the On Q program against stated objectives, a mixed method study has been undertaken to assess relevant indicators for each of the three evaluation themes physical change, place activation, and community sentiment. A three tiered approach has been undertaken, including:

1. Establishing a pre-intervention baseline
2. Measuring change during the On Q program
3. Ongoing performance assessment.

The past, during, and ongoing assessment framework is applied against relevant indicators for each of the evaluation themes. This section summarises the results of and insights from our diverse data assessment processes.

3.2 Measuring physical change

3.2.1 Physical change overview

Audits of the physical changes to the On Q activation area have sought to document and quantify the benefits of place focused physical upgrades to the area. Specific goals for physical changes included:

- Increased public space allotted to pedestrians
- Increase in length of street with 2.5m+ clear width for walking
- Additional lighting
- Additional street trees and planting at footway level
- Additional public art
- Additional things to see and do
- Additional places to stop and rest
- Additional length of continuous cycleway
- Reduced dominance of car parking

These goals are linked to place activation goals described in the next section. Specifically, physical changes sought to create a more pleasant place for people to encourage more people to visit Queen Street and dwell longer in the place.

To effectively measure these goals, council undertook a range of data collection exercise including:

- physical place assessments
- capital work upgrade assessments
- remote analytics of parking data

Data sources included:

- Third Party Data - Derived from Place Intelligence for Parking Lot remote analytics
- Council Data - Physical audits.

Physical changes were delivered in two major tranches – Stage 1 focused on Lithgow Street and Stage 2 focused on Queen Street. Temporary infrastructure plans for physical changes delivered as part of the On Q 2020-2021 program are included in [Appendix C](#).

3.2.2 Stage 1 - Physical changes to Lithgow Street

Stage 1 of physical changes was focused on the section of Lithgow Street between Carberry Lane and Anzac Lane, with some minor interventions and upgrades in Lithgow Street Mall.

The temporary design aimed to create a connected place and incorporated:

- increased space for pedestrians by reconfiguring approximately 800 square metres (sqm) of roadway and existing public domain into a wider pedestrian walkway and a shared zone.
- reduced vehicle movement to one lane and reduced vehicle speeds from 15km/h to 10km/h, to prioritise people over vehicles within the boundaries of existing traffic rules.
- bike parking and service delivery access to surrounding buildings
- opportunities to extend the local heritage character of Glenalvon House by extending the green space beyond the boundary providing 33 additional street trees and approximately 115sqm of garden beds.
- testing of various seating arrangements, with or without natural or artificial shade, and provide for access to all to encourage different groups to enjoy the City Centre.
- a materials palette sympathetic to the local environment and consists of sandstone, timber and coir logs.
- a place to rest and recharge which enables social distancing in a close proximity to workers within the City Centre
- a design offering opportunity to support local business with lingering space and outdoor dining opportunities to attract more people coming to the City Centre
- spaces for local artisan traders and food trucks on market days
- lighting to support night time activation
- artistic expression within the mall area to promote activities such as storytelling and music.

The Stage 1 installation was completed in late November 2020.

Stage 1 - Before

Lithgow Street east from Lithgow Street Mall and from East



Stage 1 - After



Images: road space reallocated to create shaded parklets and a shared way Lithgow Street as part of Stage 1 slowed traffic and provided nice places to sit, giving people the opportunity to dwell in the space for longer.

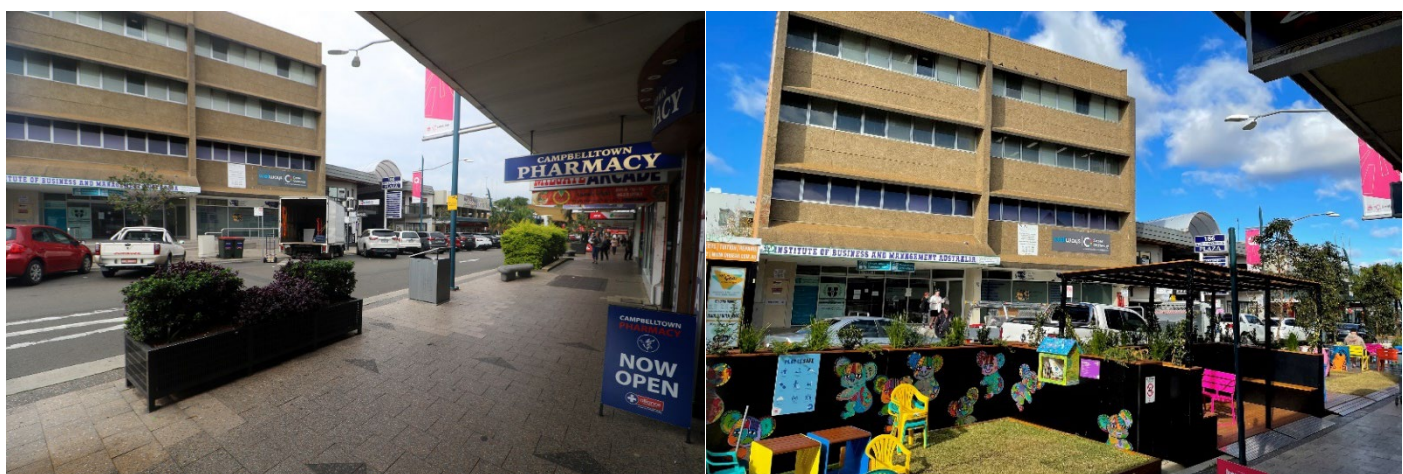
3.2.3 Stage 2 - Physical changes to Queen Street

Installed in June 2021, Stage 2 involved the creation of 700sqm additional public space for pedestrians on the 140m stretch of Queen Street between Cordeaux and Dumaresq streets. This was achieved by converting 66 diagonal spaces on the eastern side of Queen Street to 32 parallel spaces and reallocating the road space to embellished parklets and seating on the eastern side of Queen Street.

While the parking realignment did reduce the number of spaces from 66 to 32, no disabled parking was removed and only one loading zone was temporarily affected. Changes were also made to adjust some of the time restrictions on the 1,630 free parking spaces available within 100 metres of Queen Street.

Since Stage 2 involved significant changes to car parking on Queen Street, the changes were accompanied by signage about access to car parking. An example of signage and information provided to the community is included in [Appendix D](#).

Stage 2 – Before and after images



Images above: a section of Queen Street before and after changes. Image below left: before view looking north west towards Spotlight building with 45° angle parking along eastern side of Queen Street.

Image below right: after view looking south west toward Spotlight building with angle parking on eastern side of Queen Street changed to parallel parking and road space on western side reclaimed for parklets, temporary seating and temporary trees in pots.



Additional changes delivered as part of Stage 2 are summarised in below.

3.2.4 Other physical changes delivered in the 2020-2021 On Q program

In addition to the changes to create additional pedestrian space, a range of other physical interventions were made as part of Stages 1 and 2 to make the area more attractive, engaging and usable.

FORUM Q

FORUM Q is a creative space conceptualised and designed by local artist Feras Shaheen delivered as part of Stage 2. Intended as a space for people to gather train and create, the design incorporated:

- a soft fall floor to enable breakdance and training in other acrobatic forms, and to contribute to local street culture
- mirrors to support learning choreography and take selfies
- additional seating, lighting and planting at ground level
- a mural on a neighbouring building to tie the concept together in the space.

FORUM Q before and after images



A program of events has been delivered at FORUM Q to activate the space and engage the community. This has included:

- Cypher Session – a street dance battle exhibition event with DJs, dancers, live music and workshops for all ages
- school holiday programs with workshops in different styles of dance
- street art and beatboxing workshops
- workshops and demonstrations incorporation football and dance.



Images above: school holiday programming, street art workshops and breakdance demonstration events held at Forum Q.

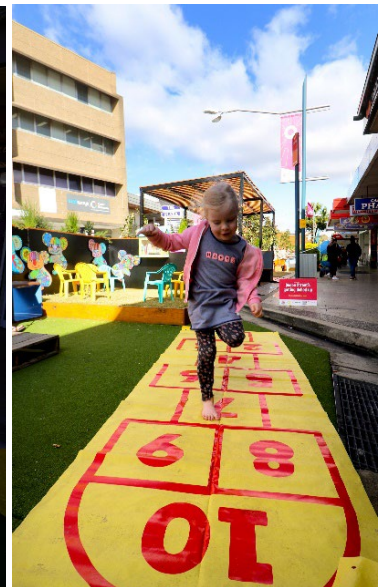
Incorporation of public art

In addition to the mural and interactive arts-based programming at Forum Q, Eight artworks by local Indigenous artists were delivered on pots with small trees distributed throughout the installation delivered as part of Stage 1.



Spaces for children

Stage 2 included a focus on creating space for children to enjoy. A play area with games, seating for children and a community library were delivered on Queen Street. These spaces were activated with a range of events throughout the installation



Lighting

Additional lighting was provided through Stage 1 and 2 to enable the spaces to be used at night and improve perceptions of safety in the area.



Images above: festoon lighting delivered in Lithgow Street mall (left) and pergola festoon lighting on parklets in Queen Street (right).

3.3.5 Physical change summary

The table below summarises physical changes achieved through the On Q 2020-2021 program versus the baseline condition.

Indicator	Physical changes achieved versus baseline condition
Increased public space allotted to pedestrians (sqm)	<p>Stage 1: 565 sqm increase of physical space given to pedestrians on Lithgow Street) by removing 4 car parking bays and creating a one way directional traffic flow.</p> <p>Stage 2: 700sqm additional pedestrian space (Queen Street) created by reducing converting 66 diagonal car spaces on the eastern side to 32 parallel and reallocating the roadway to prioritise pedestrians on the western side of Queen Street.</p> <p>Total: 1265sqm of additional space provided for pedestrians by reducing 38 parking spaces and reallocating roadway to public space for people.</p>
Increase in length of street with >2.5m clear width for walking (m)	<p>Stage 1: 25m of 3m wide pedestrian footpaths added.</p> <p>Stage 2: 140m at 6m with a minimum clear width of 3m for walking added on the western side of Queen Street between Cordeaux and Dumaresq streets.</p> <p>Total: 165m with clear width for walking of 3m added.</p>
Additional lighting	<p>Stage 1: 50 lineal metres of festoon lighting illuminating 300 sqm in Lithgow Street Mall.</p> <p>Stage 2: 24sqm of solar powered festoon lighting in parklets in Queen Street.</p>
Additional street trees (no.)	<p>Stage 1: 33 additional temporary trees in pots, spaced approximately 4.5m apart along Lithgow Street.</p> <p>Stage 2: 15 additional temporary trees.</p> <p>Total: 48 additional temporary trees.</p>

Indicator	Physical changes achieved versus baseline condition
Additional planting at footway level	Stage 1: 69sqm Lithgow St. Stage 2: 61sqm Queen Street, 39sqm Lithgow St Mall as part of Forum Q. Total: 169sqm excluding trees.
Additional shade and weather protection	Stage 1: Artificial shade is provided with 2 x freestanding, weighted umbrellas to the picnic settings of 1.8m x 1.8. Stage 2: 7 x weighted storm proof Umbrellas 1.8m x 1.8m; 4 x covered areas from parklets with pergolas 48sqm total. Total: 77sqm additional shade provided.
Additional public art	Stage 1: 8 artworks by local indigenous artists on plant pots. Stage 2: 1 new semi-permanent interactive public art installation – Forum Q.
Additional things to see and do	Stage 2 included a community library and play spaces as part of parklets. The program of events and activations outlined in Section 1.3.1 is a key component of new things to see and do, however has not been included in detail here as it's not a physical change.
Additional places to stop and rest	Stage 1: additional seating to accommodate 52 people provided. Stage 2: 92 additional seats across the entire precinct including individual and bench seating. Total: 124 additional seats provided across the On Q Activation Area.
Additional length of continuous cycleway (m)	Stage 1: 63m new of cycle ways added by creating a shared zone on Lithgow Street (vehicles and on-street cycling). Stage 2: 300m of safer cycling space in existing 10kmh. 'Shared Space' due to parking reconfiguration and pedestrian improvements slowing traffic.
Reduced dominance of car parking	Stage 1: 4 parking space on northern side of Lithgow Street removed. Stage 2: removed 34 car parking spaces on Queen Street between Cordeaux and Dumaresq streets by converting 66 diagonal spaces to 32 parallel. One loading zone on Queen Street removed. Time restrictions adjusted for the 1,630 free parking spaces available within 100 metres of Queen Street, to support increased turnover of spaces. Total: removed 38 parking bays in On Q Activation Area. 1,630 parking spaces still available within 100m of the On Q Activation Area.

3.3 Measuring place activation

3.3.1 Place activation overview

Place activation refers to the amount and type of activity in a place over time. The On Q program included a range of events, physical upgrades, and access modifications to Queen and Lithgow streets aiming to increase place activation and change the type of activity to be more focused on pedestrians and people on bikes, rather than people in vehicles.

The On Q program's specific goals for place activation included:

- increasing pedestrian activity (number people)
- time spent on Queen Street
- increasing retail turnover
- increasing or aligning in business opening hours to demand profiles
- increasing active transport
- decreasing traffic dominance (no. vehicles)
- decreasing traffic speed.

To effectively measure these goals, Council undertook a range of data collection exercise including:

- subscriptions to Place Performance Data including footfall, dwell times, origins, vehicle trips data, and multi-stop journeys.
- subscriptions to retail spend data including category-based spend information
- advanced analytics of road networks to understand speed profiles over time
- collating diverse Council and third party geospatial data sets
- in person public life studies.

Data sources included:

- Third Party Data - Place Intelligence, SpendMapp, Shopping Centre News, Transport for NSW (TfNSW) SCATS data
- Council Data - Geospatial data, Council public life studies.

3.3.2 Increasing pedestrian activity

Increasing pedestrian activity on and around Queen Street is a key goal of the On Q program that has been strongly supported by the community in engagement undertaken as part of preparing Reimagining Campbelltown.

Increasing pedestrian activity or footfall generally has a positive impact on local businesses and can help improve perceptions of the safety of an area. Increasing the number of pedestrians using the space was a key indicator for the Streets as Shared Spaces Program.

Method of assessment

To assess pedestrian activity over time, Council engaged data analytics agency, Place Intelligence, to analyse a range of data sets relating to Campbelltown's Central Business District, including the activation zone along Queen Street. The analysis used multiple data sources, including TfNSW SCATS data, proprietary multi-source signals data (privacy compliant mobile, vehicle navigation GPS and microbidity data) with council provided location assessments.

Data sets were aggregated into spatial heat maps as well as statistical charts allowing for objective assessments of place usage patterns over time. Localised signals data from buildings within the precinct were isolated and removed from the analysis to allow for a better understanding of street level foot traffic over time.

Footfall Changes by Hour OnQ Activation Zone

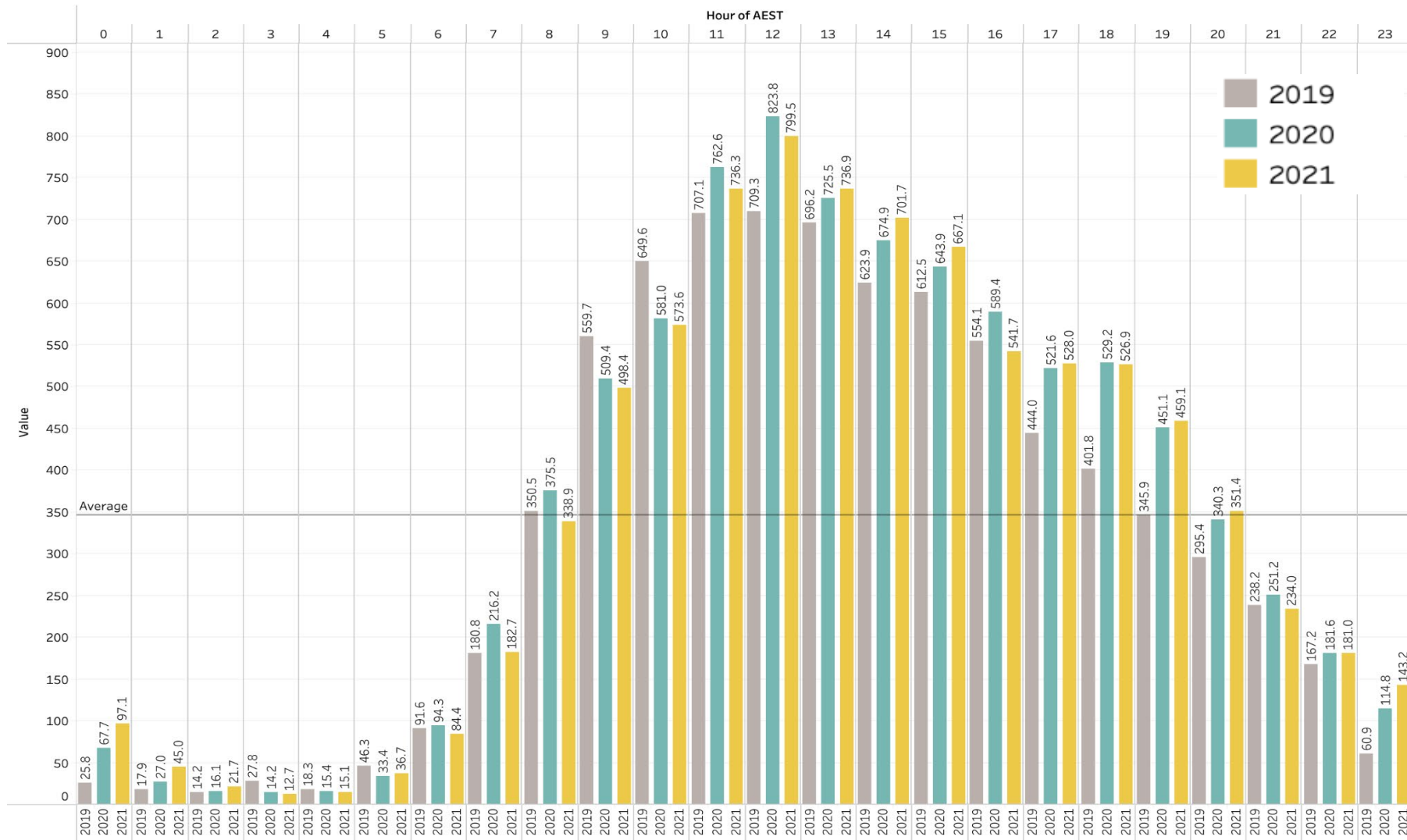


Image: Changes in total footfall within the On Q Activation zone, averaged by year over 24 hours.

Results

The available data highlights changes in pedestrian activity along Queen Street from 2019 to 2021. Given the government enforced lockdowns that occurred in 2020 and 2021, data over the period has been normalised to allow for objective comparison between years. There was a net 9.77% increase in pedestrian footfall in the activated areas along Queen Street from 2019 to 2020 and a 9.2% increase between 2019 and 2021 as a result of the On Q activation program. This represents up to 721 additional people per day. There were particular gains on the baseline in the hours after 11am for the years 2020 and 2021.

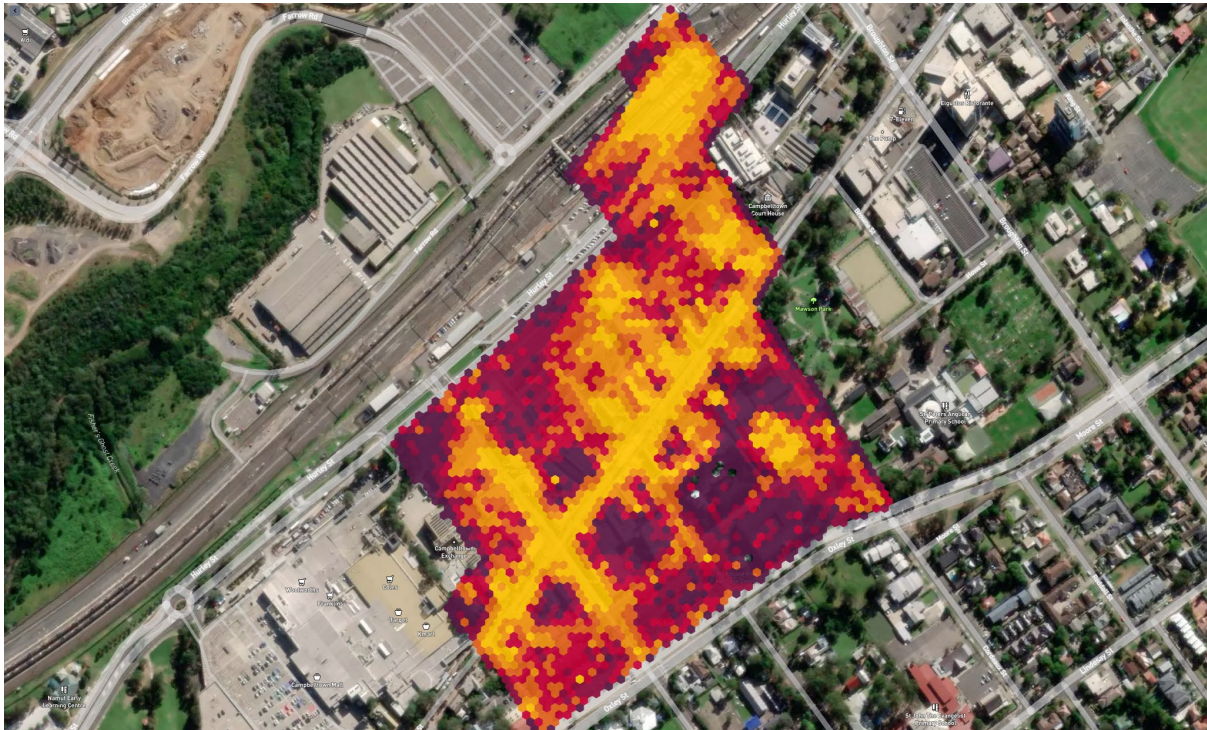
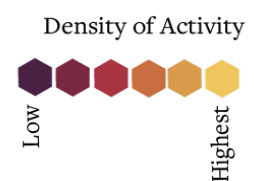


Image: Footfall distributions along Queen Street during the study period, averaged to reveal the most used locations in yellow.



Insight

Measuring footfall over time has significant value when assessing the performance of an activation program. Spatial mapping of footfall highlights the key activity nodes within the Queen Street Precinct. As shown the highest level of pedestrian activity occurred along Queen Street and Campbelltown Station. The high level of activity along Queen Street is indicative of the success of the On Q program.

3.3.3 Increasing time spent

Leading practice in placemaking and urban design often includes a focus on increasing the 'stickiness' of places – providing features that encourage people to spend longer in a place. Encouraging people to dwell longer in a place has a range of benefits – it activates public space which improves local interest and increases people's perceptions of safety, and is highly correlated with spending patterns that support local businesses.

Method of assessment

To assess the duration of time spent in the precinct, Council used signal data to assess dwell time in the area. The dwell time analysis discovers the frequency of time spent in each location. This method allows for the discovery of where people spend different amounts of time.

Result

The activation program significantly increased the dwell time of users in the precinct, especially at lunch time hours vs the 2019 baseline, with a 10% increase in time spent along Queen Street.

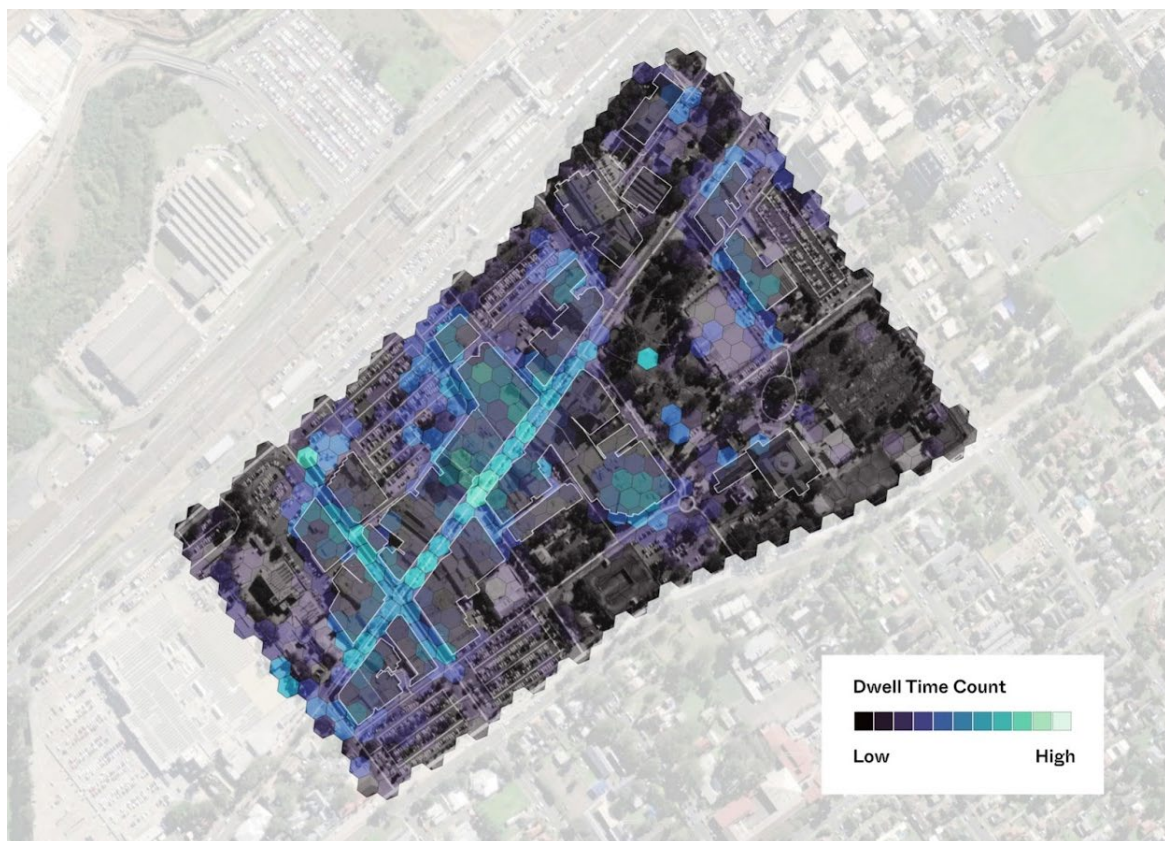
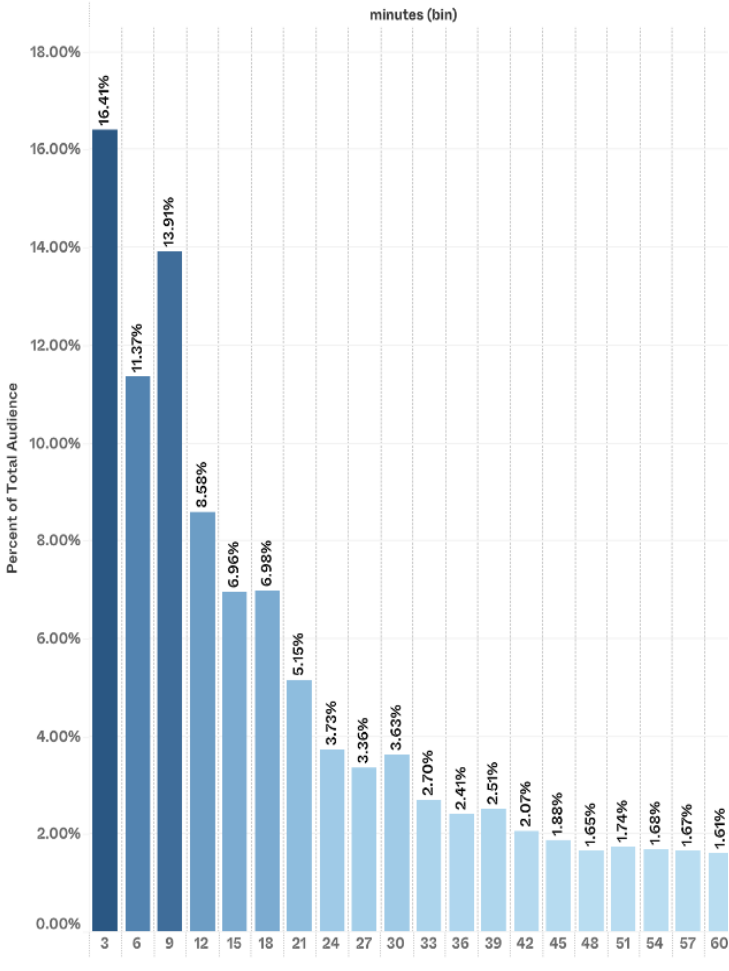
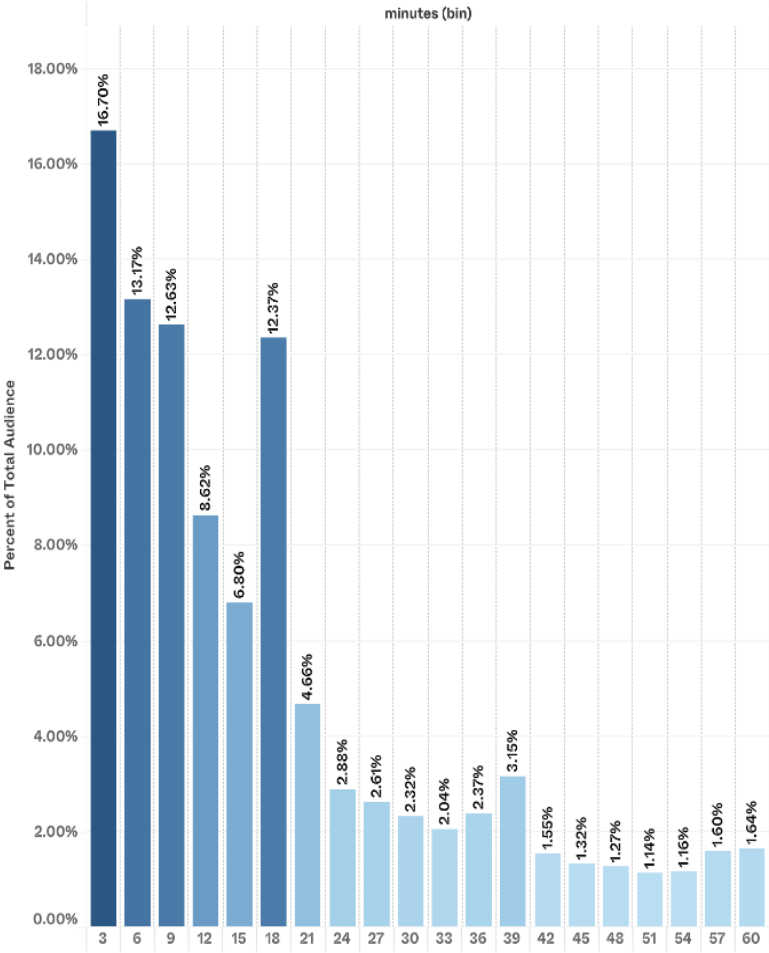


Image: Mapping the distribution of where people spend 30 minutes or more. Purple cells represent areas that have few people spending long periods of time, and blue and bright colour represent areas that have high dwell times. Observe the primary promenade along Queen Street, which exhibits the highest dwell times in the area.

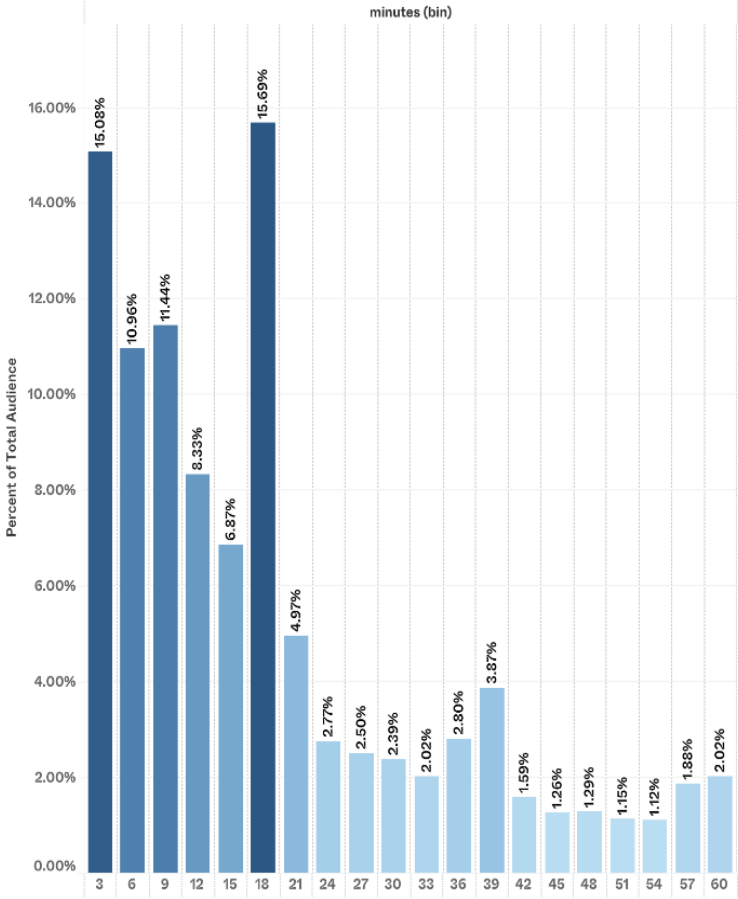
Lunchtime Dwell Times 2019



Lunchtime Dwell Times 2020



Lunchtime Dwell Times 2021



Images- Changes in precinct dwell times 2019 - 2021. Observe the increase in people spending more time between 12 and 30 minutes, with 12% of people spending 18-21 minutes during lunch times in 2020, and 15.69% in 2021 vs only 6% in 2019

Insight

The measurement of how long people spend time in a location is often referred to as dwell time. Place making strategies seeks to create 'sticky places' or locations that people want to spend significant amounts of time in, distributed between different offers within a precinct. The On Q program changed the year on year dwell time patterns with a significant increase in the duration of time that people spent in the activation area during lunch hours.

3.3.4 Increasing retail turnover

Many local businesses have suffered through the impacts of Covid-19 and the protracted lockdowns that affected Greater Sydney and Campbelltown LGA. Bringing people back to the city centre and supporting local businesses has been a core objective of the On Q program. In addition to the tactical urbanism program and events and activations program, Council has provided a range of other supports to local businesses including promoting and providing financial support opportunities, promoting our small businesses and encouraging people to 'shop local' through social marketing campaigns such as Own It and Share the Local Love.

Method of assessment

To assess retail turnover over time, footfall data have been used as a proxy to disaggregate suburb level spend data to the Queen Street precinct. This provides a measure of relative change in business activity within the activation zone. The analysis used multiple data sources, including TFNSW SCATS data, proprietary multi-source signals data (privacy compliant mobile, vehicle navigation GPS and micromobility data) with Council provided spend data. Spend data were sourced from SpendMapp by Geographia over three years 2019 - 2021.

Data limitations and biases

The analysis of footfall with mobile device data within buildings provides an opportunity to look across long periods of time. However, this data source does require significant pre-processing to remove biases. Data normalisation, the process of removing panel size fluctuations, is required to ensure that the number of devices measured is consistent with general population dynamics within buildings and is not under or over-representing a particular audience group.

This study used data from multiple service providers and device types, including IOS Apple iPhones (64%, and Android Google OS Smartphones 46%). By combining diverse data sets and cross correlating city scale panel fluctuations against control data obtained from the NSW Government's Traffic Control Systems (TCS), the project team was able to effectively remove variability in the data sample to reveal building footfall counts over a 3 year period.

Spend data, provided by SpendMapp by Geographia is a proprietary data set, linked to leading Australian bank point of sale systems. Data are provided based on ABS suburbs, which required significant processing to disaggregate data into the selected buildings within the study area. This process used land zoning data associated with building polygons to identify locations with corresponding spend categories. This method enabled the isolation of spend data linked to big box retail and other services found only within the study area. Spend data values are provided in aggregate for different categories:

- Bulky Goods
- Department Stores & Clothing
- Dining & Entertainment
- Furniture & Other Household Goods
- Grocery Stores & Supermarkets
- Light Industry
- Other
- Personal Services
- Professional Services
- Specialised Food Retailing
- Specialised & Luxury Goods
- Trades & Contractors
- Transport
- Travel

This point of sale data also excludes cash only businesses, of which there are a number in the On Q Activation Area.

Result

The activation program increased footfall density in commercial buildings along Queen Street by more than 26% when compared to footfall in other commercial buildings within the broader city centre. Assuming a constant per person spend rate, this increased footfall correlates to a potential increase in retail spending by as much as 17% from \$156m AUD to \$186m AUD based on SpendMapp & Place Intelligence data.

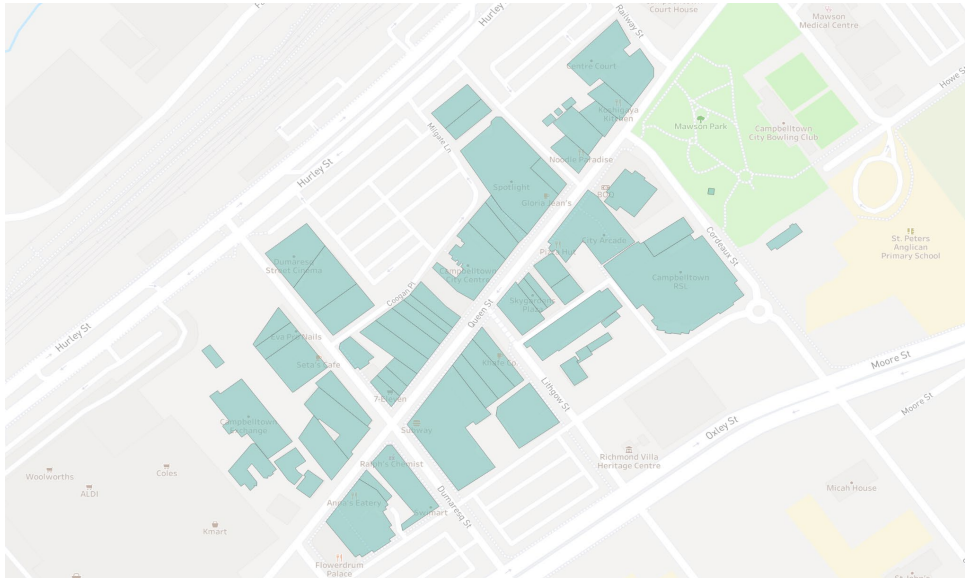
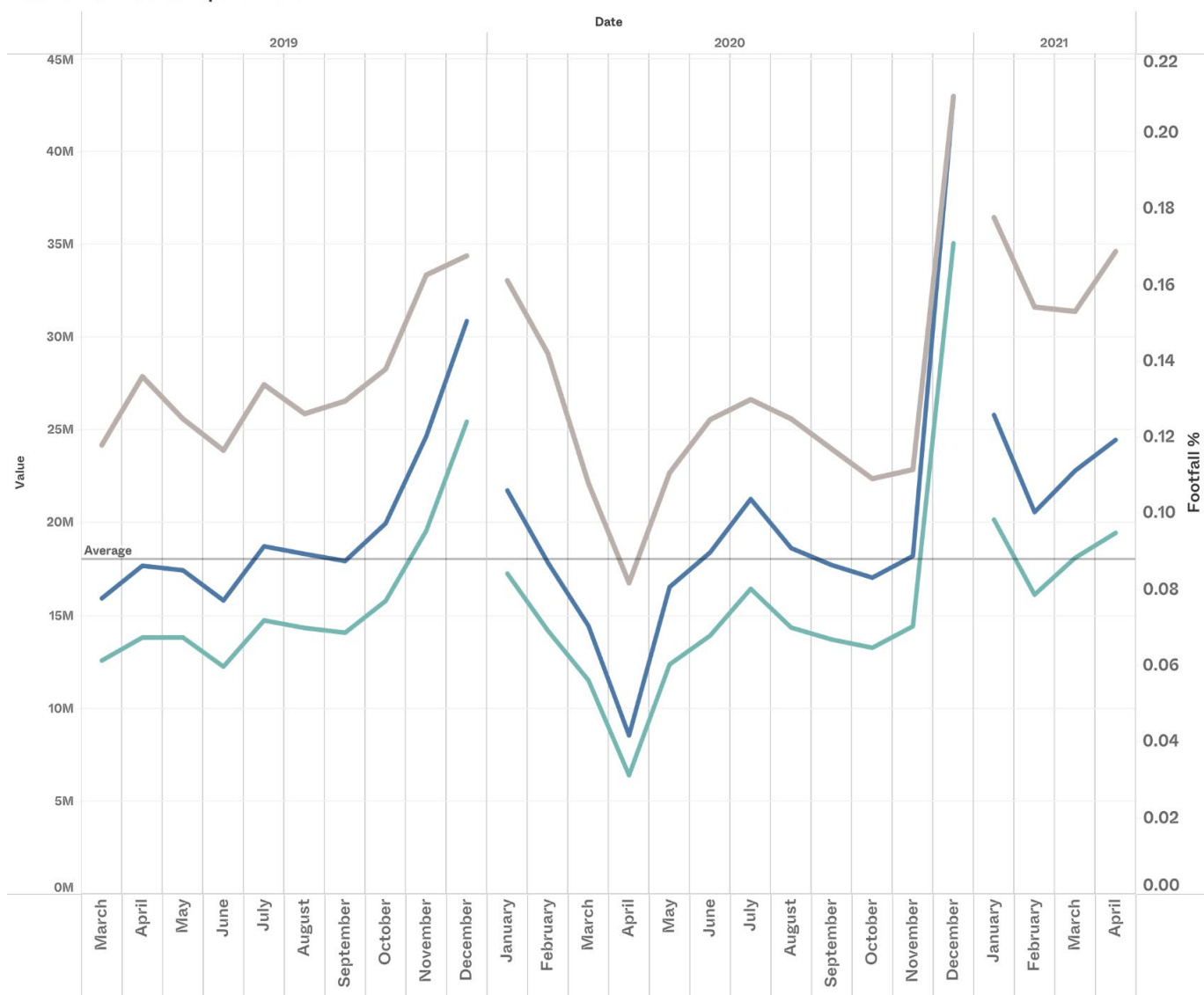


Image above: illustrates the commercial buildings along Queen Street used in the correlation analysis between spend data and footfall data. **Image below:** Shows the percent of total footfall in commercial buildings along Queen Street versus all other commercial buildings in the study area.



Footfall Corrected Spend Data



Measure Names

- Footfall Profile for Correlation
- High Spend Range on Queen Street
- Low Spend Range on Queen Street

Image above shows the percent of total footfall in commercial buildings within the Queen Street precinct compared to the broader city centre (right axis) as well as indicative spend ranges for the Queen Street precinct (Left axis). Exact spend data is not available on a per building basis. Footfall data were used as a proxy to disaggregate suburb level spend data to a more localised precinct level. High values use a 1:1 correlation between footfall and spend based on total footfall. Low values use only spend categories that are flagged as being within the Queen Street area. More information on spend categories is contained in [Appendix C](#).

Insight

Isolating retail expenditure to a precinct scale has traditionally been difficult data to obtain. This study used blended data sources to reveal correlation patterns between both footfall and spend variables, as a way to measure the impact of place-led investments on business turnover. This method of assessment has indicated a significant increase in retail expenditure within the Queen Street precinct coinciding with

the implantation of the On Q program. A 26.92% increase in relative footfall in Queen Street Buildings was observed from 2019 to 2021, with significant drops during the lockdowns in Q2 2020 and Q3 2021. Of considered insight is the multiyear spike in footfall and associated spend over the Christmas period.

Knowledge of when footfall highs and lows are expected can enable smarter place programming to activity locations at high periods or to draw community members into underused spaces during low use periods to increase potential spend.

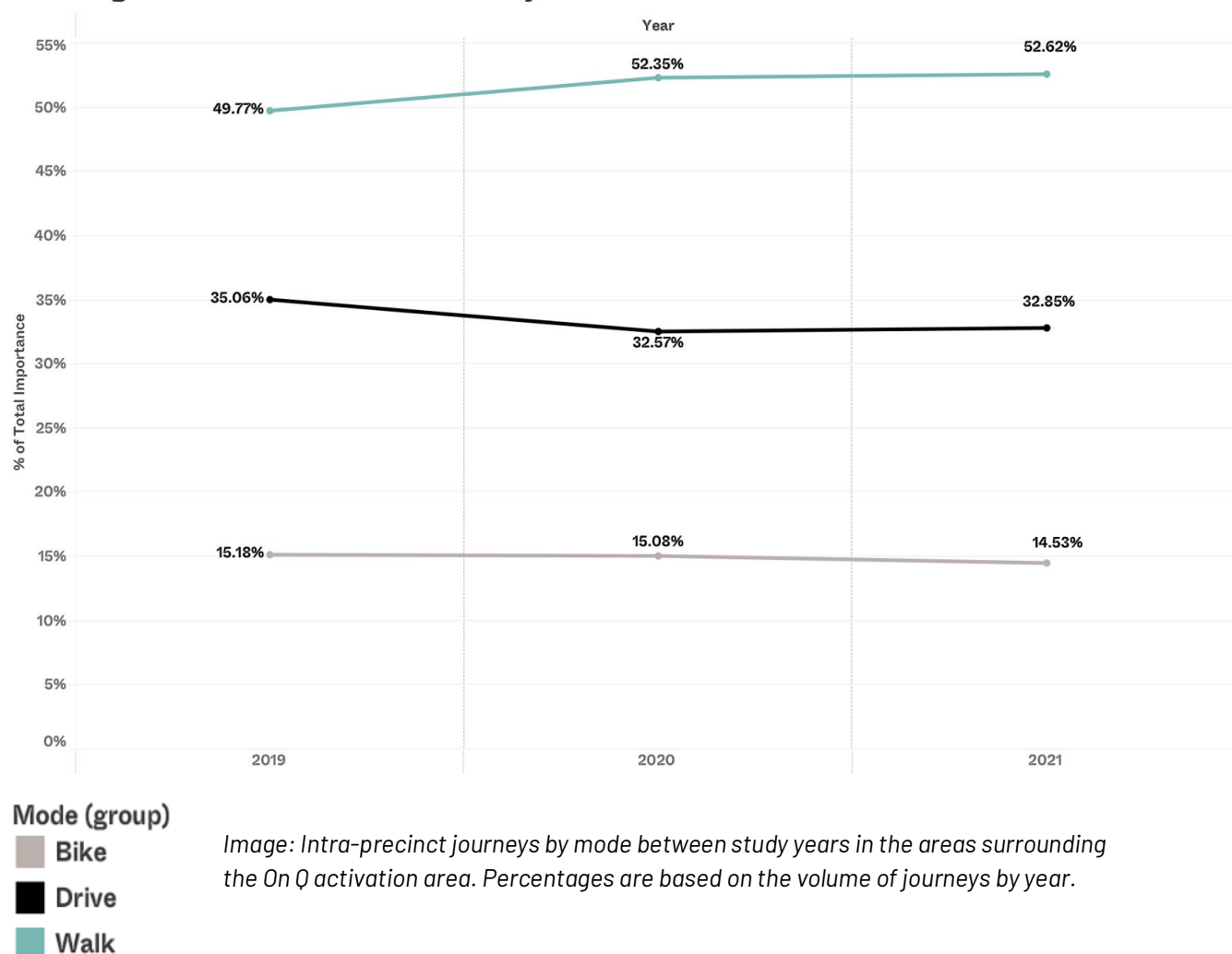
3.3.5 Increasing active transport

Increasing the number of pedestrians and cyclists using the space was a key indicator for the Streets as Shared Spaces Program.

Method of assessment

Assessing changes in the level of active transport use within the Queen Street precinct required the mode segmentation of movements within the study area over time. Data provided by Place Intelligence were used to look at movement modes between 2019 and 2021 within the On Q precinct. The models developed use speed and movement telemetry assumptions to understand probable modes of transport over time. Journey classifications are recorded at multiple time intervals including, yearly, monthly and weekly.

Mode Segmentation in Queen Street Zone By Year



Result

Tracking the mode of movement over time within the precinct reveals a significant increase in the number of walking trips and a decrease in vehicle trips during the study period. A goal of the activation program was to increase pedestrian activity and reduce vehicle trips – here we find a 5.83% increase in pedestrian trips and a 8.5% decrease in vehicle trips.

Insight

Over the three year period, the proportion of trips within the area increased for people arriving on foot, and decreased for those arriving by car. Bike trips remain proportionate over the three years.

3.3.6 Decreasing traffic speed

A busy street is often seen as being dangerous. However, if cars are moving close to walking speeds, pedestrians can feel safe moving amongst cars. Decreasing traffic speed has been shown to improve safety (and perceptions thereof) for people on foot and on bikes and can encourage more people to walk and cycle in a given location. Considering this, decreasing traffic speed is a success indicator for the Streets as Shared Spaces program.

In terms of baseline conditions, the section of Queen Street included in the On Q Activation Area was a 10km/hour zone prior to the On Q program. However, no audit had previously been done to check whether drivers adhered to the limit.

Method of assessment

To assess vehicle speed profiles over time, council engaged Place Intelligence to analyse a range of data sets of Campbelltown's larger central business district, including the activation zone along Queen Street.

The analysis used multiple data sources, including TfNSW SCATS data, proprietary multi-source signals data (privacy compliant mobile, vehicle navigation GPS and micromobility data) with council provided location assessments. Data were aggregated into spatial heat maps as well as statistical charts allowing for the objective assessments of place usage patterns over time. A key metric used to understand vehicle speeds is to plot multiyear speed profiles against usage patterns. This method allows for the correlation of speed vs. usage.

Result

In the graph below speed profiles for the activation zone along Queen Street are shown, revealing a correlation between increased footfall and lower vehicle speeds. The result of the On Q program was a net decrease in traffic speed during busy periods, with a 38% reduction in traffic speed in the activation zone from 18km/hr to 11km/hr.

Speed to No. of Street Users - Correlation

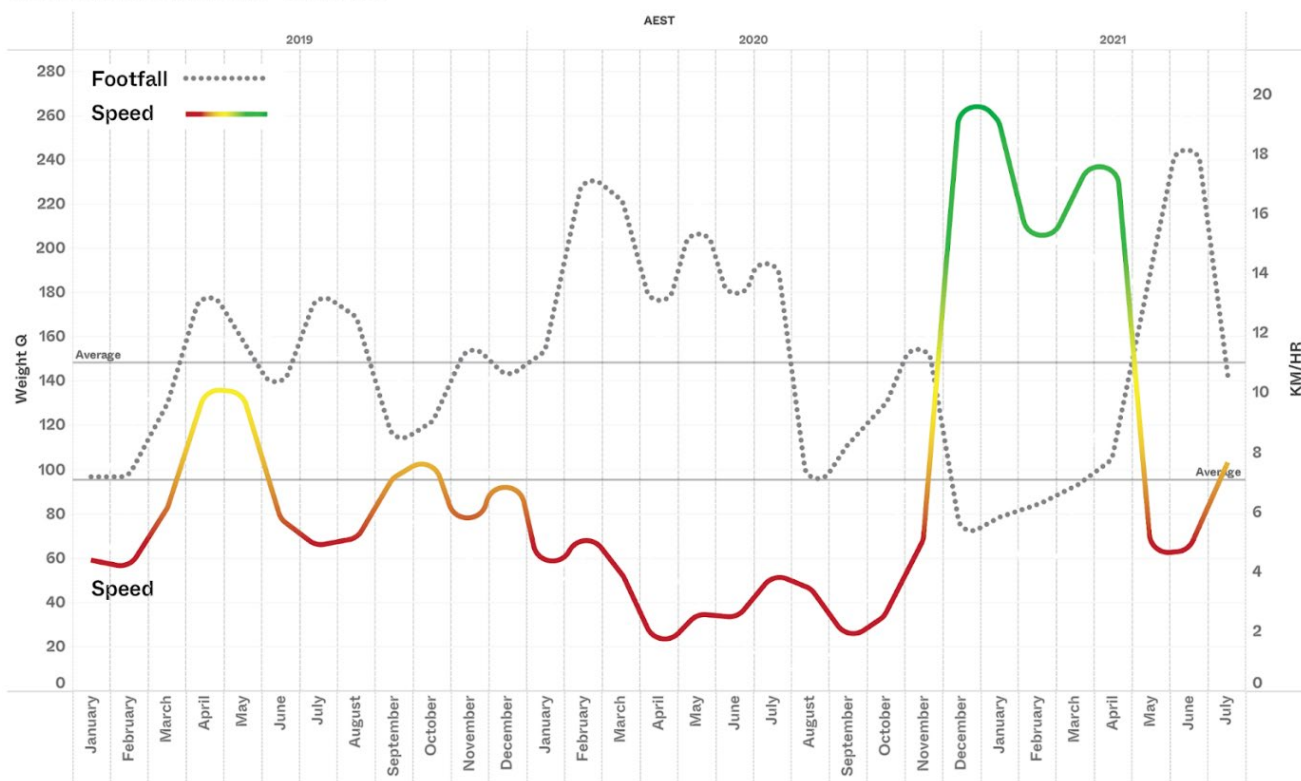


Image: Speed profiles (Red-green) vs Street usage (Grey dotted).

Insight

There is an apparent inverse relationship between vehicle speeds and pedestrian activity along Queen Street. As vehicle speed decreases, pedestrian numbers increase. Specific insights generated by the analysis show:

- a 5.83% increase in pedestrian trips and a 8.5% decrease in vehicle trips indicates the success of the program in increasing pedestrian activity and reducing vehicle movement along Queen Street
- the result of the On Q program was a net decrease in traffic speed during busy periods, with a 38% reduction in traffic speed in the activation zone from 18km/hr to 11km/hr.

3.3.7 Decreasing traffic dominance

Decreasing traffic dominance refers to a reduction in the impact vehicular traffic as a proportion of total activity. It encompasses decreasing the dominance of vehicles in the On Q activation area, and increasing the prevalence of pedestrians and people on bikes.

Method of assessment

To assess the level of Traffic Dominance in Queen Street an analysis was undertaken to index the level of vehicle traffic versus pedestrian traffic over time. This model uses a number of inputs, including speed derived mode classification in the street and the level of activity in movement zones versus place zones. Using the NSW Government Architect's Movement and Place framework, we provide a summary of change in usage in 'Movement' and 'Place' assets within the study area.

Understanding Movement and Place Activity

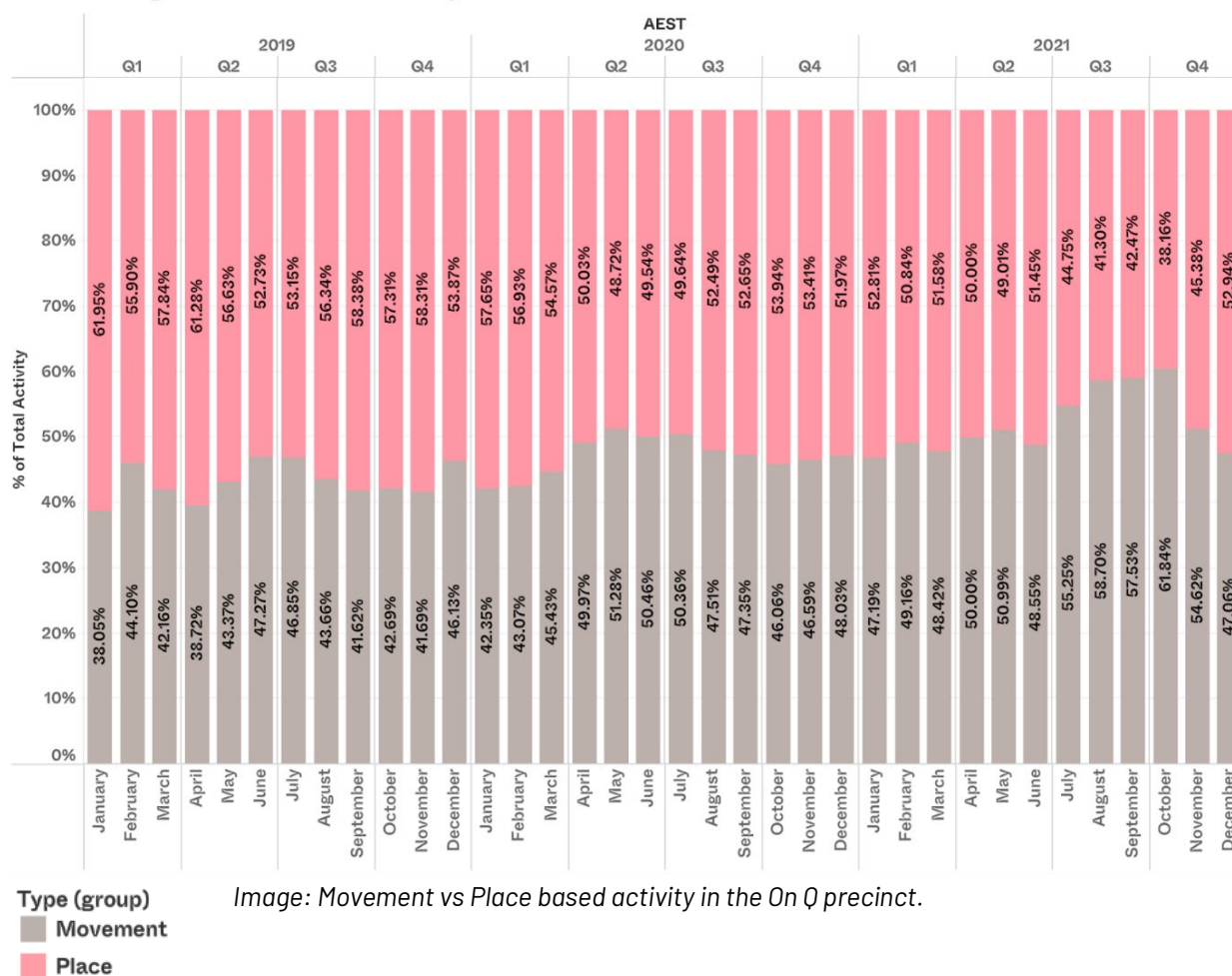


Image: Movement vs Place based activity in the On Q precinct.

OnQ Component of Total Activity

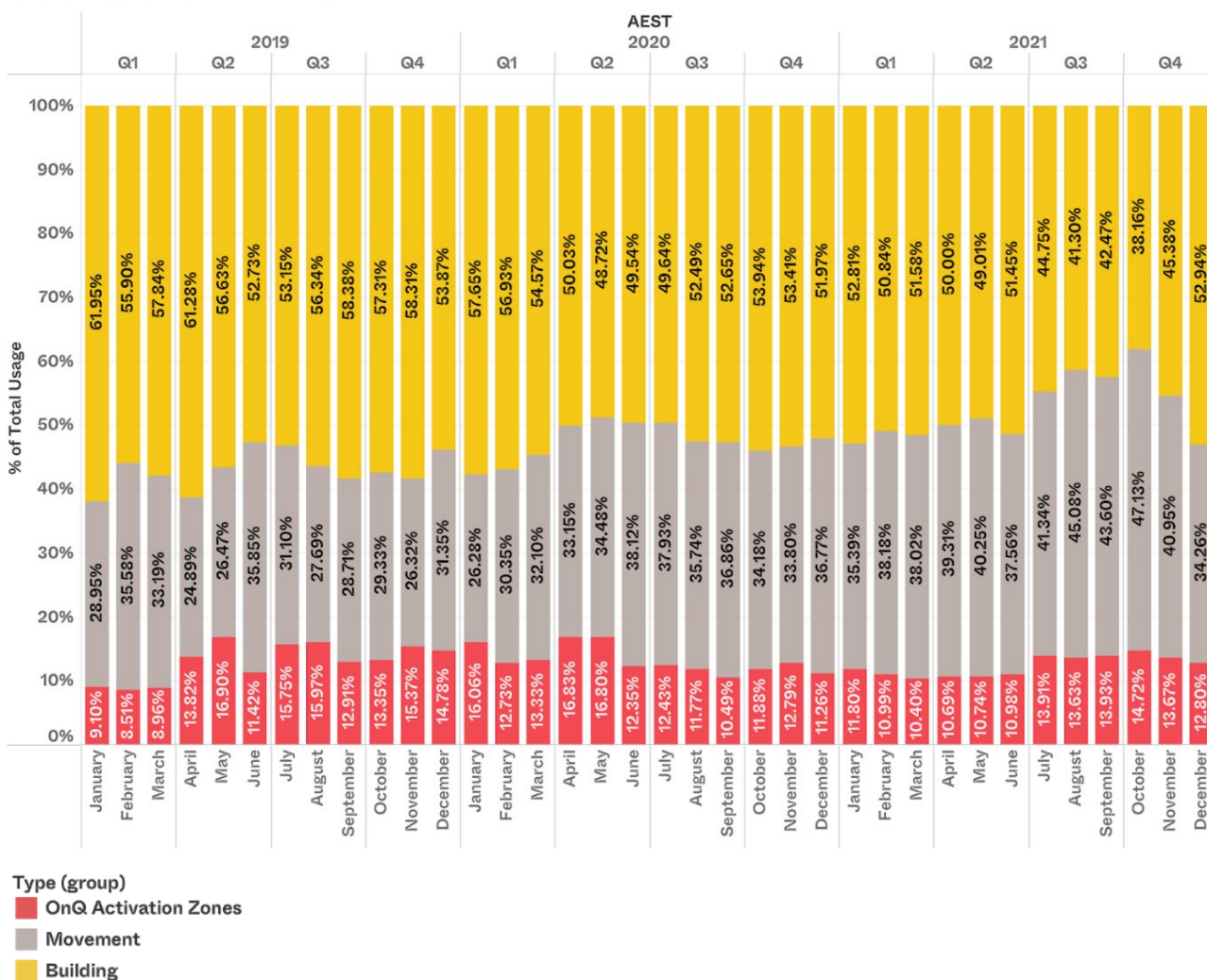


Image: Movement vs Place based activity in the On Q precinct, splitting out the On Q activation zones.

Insight

The impact of Covid-19 lockdowns in Q3 2021, resulted in an increase in the proportion of activity in the area associated with movement and a corresponding decrease in the proportion of place-based activity.

3.3.8 Place activation summary

The table below summarises changes to place activation indicators achieved through the On Q 2020-2021 program versus the baseline condition.

Indicator	Result	Notes
Increasing pedestrian activity	+9.77% Average increase of people vs 2019 Baseline, or up to 720 additional people per day during event periods.	Based on Daytime and Evening averages during event windows. Data is normalised across years to account for COVID19 lockdowns
Increasing time spent on Queen Street	+10% Increase in time spent vs 2019 Baseline. Particular increase in the 18-21 minute dwell time range.	Based on Daytime and Evening averages
Increasing retail turnover	+26.92% Increase in footfall in commercial buildings along Queen Street. +17% Increase in dollars spent along Queen Street from 2019 to 2020. Data is normalised across years to account for COVID19 lockdowns	Based on modelled spending data using footfall activity
Increasing or aligning in business opening hours to demand profiles	No data	No Data
Active Transport - Increasing the number people on bikes	Trips by bike remain proportionate throughout.	Based on mode segmented journeys within the precinct
Active Transport - Decreasing traffic dominance (no. vehicles)	-8.5 decrease in vehicle trips and a 5% increase in pedestrian journeys within the precinct.	Based on modelled traffic index
Decreasing traffic speed	38% Reduction in Average Speed in Activation Zone from 18km/hr to 11km/hr during activation periods.	Based on modelled traffic index
Tracking change over time	Integration of new data feeds and software tools for ongoing assessment.	Subscriptions to Place Intelligence Data Studio, SpendMapp by Geographia, and Shopping Centre News.

3.4 Measuring Community Sentiment

3.4.1 Community sentiment overview

Community sentiment analysis seeks to gain a deeper understanding of how different community groups feel about places and place programs over time. To better understand how the community feels about Campbelltown and the On Q place activation program, a range of community engagement activities were delivered and big data analytics were undertaken.

Council's goals for community sentiment included:

- improved perception of Queen Street as a destination
- increased feelings of safety
- increase in perceived quality of public spaces on and around Queen Street
- stronger sense of community.

To effectively measure these goals, Council undertook a range of data collection exercise including:

- Over to You – online surveys
- in person intercept surveys undertaken at events and activations
- data capture from leading social media monitoring and audience intelligence software.

Data sources included:

- Third Party Data – Derived from Brandwatch, Audiense in collaboration with The Socializers and Place Intelligence
- Council Data – Photography, Intercept Surveys, Over to You surveys.

3.4.2 Council-led community engagement

Ongoing meaningful community engagement has been an essential component of On Q. By making temporary physical changes, Council has encouraged the community to experience the space and provide feedback on tangible changes to the street.

The community was invited to provide feedback on the wide range of interventions, events and activities delivered throughout the On Q program in 2020, 2021 and 2022. The engagement was open to the people who live, work, visit, study, own property or run businesses in Campbelltown Local Government Area.

19 in person and online surveys were conducted by Campbelltown City Council staff between December 2020 and April 2022, with a total of 1,485 responses.

A summary of engagement activities undertaken and participation is included in the following table.

Table: Overview of Council-led community engagement activities and participation

Engagement activity	Date/s	Questions asked	Number respondents
Christmas Markets – intercept survey	3, 10 & 17 December, 2020	<ul style="list-style-type: none"> How do the changes you see make you feel? Do the changes make you want to spend more time on Queen Street? What would encourage you to spend more time on Q? 	70
Kids on Q – intercept survey	8 April 2021	<ul style="list-style-type: none"> What would encourage you to spend more time On Q? What words describe how you feel about the space? 	30
Parking Space or People Place – online and intercept survey	12, 13 & 14 February 2021	<ul style="list-style-type: none"> I want more: kids play spaces, seating, greenery, shade, public art How many car parks can we borrow? 5, 10, 15, 20, 25, 30+ 	250
Let's talk parking – online and intercept survey	4, 5, 8 & 9 March, 2021	<ul style="list-style-type: none"> I want more: kids play spaces, seating, greenery, shade, public art How many car parks can we borrow? 5, 10, 15, 20, 25, 30+ 	370
Beats and Eats – intercept survey	29 May, 2021	<ul style="list-style-type: none"> Would you rather? Dinner or dessert / Dine in or takeaway / Street food markets or fresh food markets / Cafes or restaurants / Pop-up food trucks or pop-up bars 	400
It's happening here – online survey	January–February 2022	<ul style="list-style-type: none"> 80% of respondents are happy to remove 20 or more parking spaces from Queen Street to create a people space (seating, play equipment, greenery). Do you agree? Would you come into Queen Street if there were no activations/events? Do you agree that Queen Street should be a smoke free zone? If you could change only one thing in Queen Street, what would it be? 	15
Tell us about Queen Street – online and intercept survey	March–April 2022	<ul style="list-style-type: none"> Have you visited Queen Street since the temporary furniture and parklets have been installed? Did you attend any events held in Queen Street as part of On Q? Have the temporary installations and/or events provided as part of On Q changed the way you think or feel about Queen Street? What would you like to see happen with the parklets and temporary furniture on Queen Street? What would you like to see happen to the parking on Queen Street? What would you most like to see more of on Queen Street? 	350



Images: Council-led community engagement included a combination of in-person and online activities to understand community sentiment around the place activations for Queen Street.

Key themes from Council-led engagement

While engagement sought to understand perspectives on the On Q program of tactical urbanism and events, the community was provided opportunities for broader feedback on priorities to revitalise Queen Street. Key themes that emerged included:

- A consistent community desire for more trees, greenery and shading to improve the look and feel of Queen Street
- Strong community support for an ongoing program of both targeted and broad community events on Queen Street
- Consistent feedback on the need for an improved retail offering and a greater priority to increase Queen Street's appeal as a destination
- Smoking was regularly identified as having a negative impact on people's experience of the place, with many supporting the idea of a smoke free Queen Street
- Perceptions the area is unsafe was identified as a key barrier for some community members visiting Queen Street, the need for improved lighting was regularly identified
- Mixed views on changes to car parking, with most respondents supportive of transitioning some existing on street parking spaces to increase the space allocated to pedestrians and seating. A consistent minority strongly opposed to any permanent changes to parking.

Similarly, when asked 'Do the changes make you want to spend more time on Queen Street?', 93% of respondents said yes and 7% said no.

Open form feedback indicated consistent feedback that the changes had been an improved the quality of public spaces around Queen and Lithgow streets. Some indicative responses were:

"Lithgow Street is a nice change and refreshing. Feels more inviting." – Intercept survey, March 2022

"Grateful the council is doing something about Queen Street, we aren't trying to make it feel like other places, trying to make it individual to Campbelltown which is great" – Online survey, March 2022

"Love the improvements made." – Online survey, March 2022

However, not everyone was supportive of the changes with a consistent minority of people requesting the parklets be removed and the street restored as it was. Some commented on the quality of the temporary furniture and the need for more permanent fixtures. For example:

[Queen Street] "looks worse than before" – online survey, March 2022.

"I liked the ideas, but the reality looked somewhat tacky and cheap. More greenery and outdoor seating would be great but it needs to be real and permanent." – online survey, March 2022.

"Remove all the furniture and return all parking." – online survey, March 2022.

Perceptions of safety

A range of perspectives on safety were shared throughout the engagement process highlighting a split between many who felt the changes had improved safety but an equal number felt more needed to be done. Two key themes were discernible within feedback on safety, including the need to improve social safety, which focused on perceptions about antisocial behaviour, and improving pedestrian safety in a car dominated environment.

Indicative responses mentioning social safety shared through the 'Tell us about Queen Street' online and intercept survey conducted through March and early April 2022, including:

"Slowly improving. Needs to feel safer for families" – Intercept survey, March 2022.

"It feels more safe and is overall a more positive atmosphere to be than before." – Online survey, March 2022.

"The changes make a noticeable difference, felt dodgier before" – Online survey, March 2022.

[I still] "Don't feel safe at night walking" – Intercept survey, March 2022.

"More police presence needed" – online survey, March 2022.

Popular feedback on ways to improve social safety in the area included providing additional lighting, installing CCTV and encouraging additional police patrols at night.

Responses on pedestrian safety highlighted ongoing challenges with transforming physical spaces for people. Some felt the continued presence of cars was still a risk to pedestrian safety. Others noted the installation of parklets and additional seating created challenges for people with limited mobility or vision impairment. For example:

"Cars make it dangerous and not family friendly" – Intercept survey, March 2022.

"I find it awful. Cluttered and not pedestrian friendly. Dangerous to walk around the bits and pieces. [I'm] frightened of falling" – online survey, March 2022.

"I do not like the changes. As a person living with a vision impairment finding a safe place to cross Queen St in the middle to be difficult and dangerous as I can't see where the openings are from the other side of the road. Negotiating between footpath and the street furniture is a nightmare and dangerous. Trip hazards everywhere!" – online survey, March 2022.

"...the sandstone blocks and revealed platforms make it unsafe to cross" – Online survey, March 2022.

Stronger sense of community

Throughout the engagement period, a desire to hold more community events in the area was seen as a way to build a stronger sense of community.

[the] "Improvements are good. It brings the community together when events like this are held" – intercept survey, March 2022.

"Good job with the events. More food trucks would be nice... hopefully with consistency more people turn out for these things" – Online survey, March 2022.

In early engagement activities, 79.3% responded yes when asked if they would like to receive updates on activities about On Q indicating a desire to stay connected with the place.

Feedback on next steps for On Q – events and tactical interventions

In the 'Tell us about Queen Street' survey conducted through March and early April 2022, respondents were asked a series of questions about the future of the temporary physical changes in terms of the parklets and new places to sit, changes to parking and events program. 350 people completed the survey, sharing a range of community perspectives on what should happen next with On Q.

When asked, "What would you like to see happen with the parklets and temporary street furniture on Queen Street?":

- 47% said to leave it in place
- 30% said to modify the layout and/or keep some of it
- 23% said it should all be removed.

When asked, "What would you like to see happen to the parking on Queen Street?":

- 43% of respondents said to leave it as is
- 18% said to remove all parking
- 17% said to return some parking, and
- 22% said to return all parking.

These responses indicate a fairly consistent level of support for maintaining the parklets and changes to parking delivered through On Q, as well as a consistent proportion of people (22%) who would like for the street to be reverted back to the way it was.

In an open feedback section asking how the changes should be modified, a number of community members offered nuanced views on what could change to improve the experience of the street. Common responses included providing more trees and shading, making fixtures more permanent and accessible, more lighting and activities for kids and changes to parking. A selection of responses included the following.

"Consider changing Lithgow Street became the seating plaza and return parking to Queen Street" – Intercept survey, March 2022.

"Make the roofing and shading structures more permanent or something retractable for multi seasons" – Online survey, March 2022.

"Some of the landscaping looks a bit dull. I reckon it needs more lights to give a more vibrant feel." – Online survey, March 2022.

"Close the street to traffic, make it a pedestrian only area...encourage restaurants to have outside seating areas." – Online survey, March 2022.

"Make it consistent. Too many different styles" – Intercept survey, March 2022.

"It's looking a lot better and has a better feel to it, more events would make us come down and more restaurants" – Online survey, March 2022.

"Would love to see parking removed and have it look like eat street at Parramatta. Improve and increase nearby public parking. Upgrade the installations to look less cheap and nasty. Make it a shopping / dining destination." – Online survey, March 2022.

"The parking should go back to how it was" – Online survey, March 2022.

[The area needs] "More disabled parking" – intercept survey, March 2022.

Community feedback showed strong and consistent support for both family friendly events as well as broader events for the entire community to enjoy. At the Handmade and Homegrown markets in March 2022, 60% of respondents requested more broad community events, events that cater to all age groups and not just those with young children. Indicative responses received on events gathered through the engagement process included:

"More events should happen" – online survey, March 2022.

"It currently isn't somewhere I feel safe with or without my children on an average day, but my opinion is different when there are special events on" – online survey, March 2022.

"[I] would like to see any future markets take over more real estate." – Online survey, March 2022.

In order to understand what else could improve the attractiveness of Queen Street as a destination, we asked, "What would you most like to see more of on Queen Street?" Top responses were:

- More cafes restaurants and bars (210 responses)
- New types of retail (203 responses)
- More trees and greenery (194 responses)

Broad community events (148 responses), events for families and children (147 responses) and pleasant places to sit (140 responses) were the next most popular.

3.4.3 Big data community sentiment analytics methods and results

Campbelltown City Council engaged Place Intelligence to deliver a Social Listening Study to understand the impacts of these activations on place activity and community sentiment. The Social Listening study used a multi-level analysis method that looked at broad form community sentiment and emotion at macro or precinct scale over 8 months between Jan 2021 – Aug 2021 to provide a baseline for comparative analysis. This timeframe because the study was completed before the extended timeframe for the On Q program was confirmed.

The Social Listening Study, collected and aggregated thousands of social media and open source conversations. Community conversations that matched keyword search parameters were aggregated over 8 months, which revealed over 24,500 conversations. Data were processed using machine learning technologies for natural language processing to derive social sentiment and emotion, and identify common audience personas. Keyword analysis was performed to understand place related emotion. Conversation volume was mapped overtime, allowing for further investigation and correlations.

Text from social media posts were mined using a word cloud engine to identify the most frequently used words in conversations about the project. The word cloud below has been produced using content from within Instagram posts featuring the #CAMPBELLTOWN and #QUEENSTREETCAMPBELLTOWN hashtags.

The Social Listening Study has allowed Council to:

- increase our awareness of existing issues to improve design outcomes and enhance community engagement
- identify prominent community influencers and groups
- discover sentiment and emotion
- track change over time
- enable the creation of data driven audiences and personas to support design and planning processes.

Key insights from the social listening study are summarised by social media platform below.

Instagram

Between Jan 01, 2021 and Aug 02, 2021, 183 posts were made on Instagram using the #ONQCAMPBELLTOWN hashtag. Posts tended to focus mostly on the food and experiences available on Queen Street. While most posts were from the Campbelltown City Council account, the posts show relatively high levels of engagement through likes, views and comments.

- 5,261 Likes were received on these posts
- 439 comments received on these posts
- 33.1 average Likes per post
- 2.8 average comments per post

The #ONQCAMPBELLTOWN hashtag saw relatively low usage during the study period, along with affiliated hashtags promoting local love and affinity with local businesses and events.

The top Instagram posts by engagement rate were:



Likes 137
Comments 22

THU, JUNE 03, 2021 (-0700)



Likes 135
Comments 16

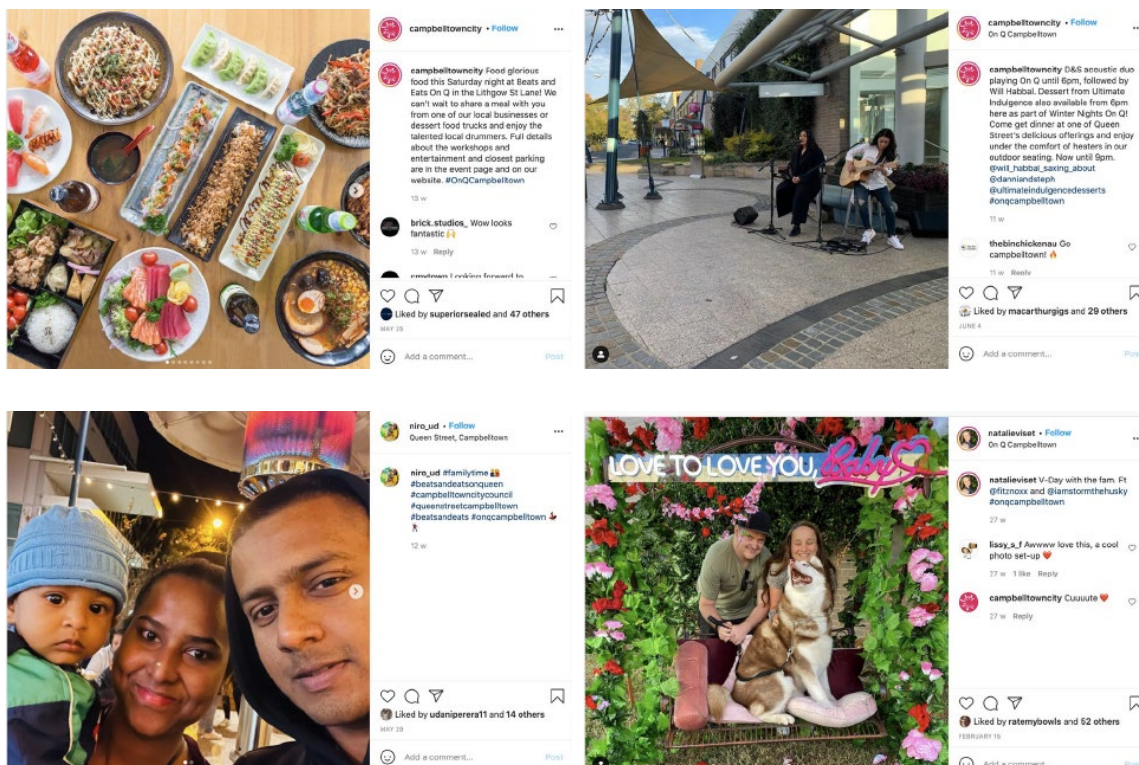
THU, JUNE 10, 2021 (-0700)



Likes 114
Comments 24

THU, JUNE 24, 2021 (-0700)

The following posts were associated with the #campbelltown hashtag that was used to promote the activation program of Queen Street. Posts focus mostly on the food and experiences available on Queen Street. While most posts are from the Campbelltown City Council account, the posts show relatively high levels of engagement through likes, views and comments.



72 Posts using the #QUEENSTREETCAMPBELLTOWN hashtag were made on Instagram between 01 Jan and 02 Aug 2021

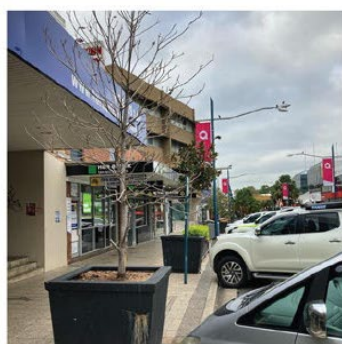
- 1,814 Likes received on these posts 150 Comments received on these posts
- 25.9 Average Likes per post 2.1 Average comments per post

The top posts for engagement were:



Likes 181
Comments 20

MON, OCTOBER 26, 2020 (-0700)



Likes 129
Comments 25

SUN, FEBRUARY 28, 2021 (-0700)



Likes 67
Comments 25

FRI, APRIL 16, 2021 (-0700)

Popular and highly engaged with posts:

- incorporated strong visual content including photo carousels and video
- celebrated the local food scene and events being delivered
- were made by local influencers with strong community following with commentary on the program and themes such as the need for more trees and greenery and an improved city maintenance regime on Queen Street.

Twitter

A data lake was also generated for Twitter posts that contained 24,500 unique conversations.

- This demonstrated a total volume of 166.29M Potential Impressions and 8,300 Unique Authors.
- Of this activity, 13.65% was positive and 10.76% was negative, with a range of neutral feedback and commentary unrelated to the On Q program.
- Gender split: 19.62% Female and 32.53% Male



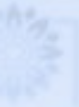
Above image: word cloud with key terms from On Q social listening study

The Social Listening Study revealed a small but growing level of online interaction with the On Q program. It highlighted opportunities for Council to increase online engagement with our community including developing highly visual photo and video content and working with local influencers to reach their local community networks.

3.4.4 Community sentiment summary and key insights

Indicator	Result	Notes
Improved perception of Queen Street as a destination	93.1% of people surveyed reported that the changes they saw made them want to spend more time on Queen Street indicating an improved perception of Queen Street as a destination.	From online survey via Over to You
Increased feelings of safety	Place activation and events identified as improvements to safety. However, need for ongoing focus on improving safety through additional lighting, activation and improved public domain also widely identified.	Additional targeted engagement on safety required.
Increase in perceived quality of public spaces	Feedback from community engagement and social media implied positive sentiment about the improvements in the quality of the public spaces - particularly the increase in green space and street trees, and would like it there permanently. Consistent minority wanted parklets to be returned to parking.	From feedback received through Council-led engagement
Stronger sense of community	Events widely viewed as supporting a stronger sense of community. 79.3% responded yes when asked if they would like to receive updates on activities about On Q indicating a desire to stay connected with the place.	From feedback in Council-led engagement. Additional targeted engagement on sense of community required.
Increased awareness of existing place issues	255 instagram posts were made using the #ONQCAMBELLTOWN and #QUEENSTREETCAMBELLTOWN hashtags between 1/1/21 to 2/8/2021. These posts generated 7,075 likes and 589 comments indicating a significant increase in awareness and engagement.	From On Q Social Listening Study
Discover sentiment and emotion	96.5% of people surveyed reported that the changes On Q made them feel happy or very happy.	From online survey via Over to You
Track change over time	Council engagement indicated a consistent level of support for physical changes and events, as well as a consistent minority of responses	Suggest ongoing engagement and repeating Social Listening study in 12-24 months time.

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KINDY - YEAR 12 Ph : 4627 9766

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Mental Health
Your NDIS mental health specialists

04

Conclusion

04 – Conclusion

Overall, this evaluation has revealed the On Q 2020-2021 program has been largely successful in achieving its stated objectives. Physical changes to the space and regular programming in the On Q Activation Area are correlated with increased place activation, including:

- an increased number of pedestrians using the space
- an increased proportion of people spending more time in the space
- an increase in the relative number of pedestrians compared to vehicles
- an increased potential retail spend in commercial buildings in the area
- reduced vehicle speeds during times of high pedestrian activity.

The On Q program has also generally shown to improve community sentiment towards the area including:

- consistently high support for more events On Q
- a majority of respondents indicated On Q had improved the quality of public spaces and made Queen Street a more attractive place to be
- over 90% of 70 respondents in an early survey indicating the physical changes made them:
 - want to spend more time On Q
 - feel happy or very happy, with no one responding the changes made them feel unhappy
- 77% of 350 respondents in the most recent survey recommending the parklets should remain wholly or partially in place.

The analysis and community engagement have also revealed a number of priorities which must be considered in future planning for Queen Street. Particular issues for focus include:

- resolving challenges related to parking and access in the Queen Street Precinct while supporting the centre's transition to a greener and more pedestrian-friendly environment
- exploring initiatives to support a greater retail and hospitality mix to attract people to the area
- opportunities to improve safety and trial interventions that could make Queen Street more inviting for a range of people.

At the time of writing, Council is digesting the outcomes of this report as well as more detailed insights from Council-led community engagement to determine next steps for the On Q program and the program to revitalise Queen Street more broadly.

Appendices

Appendix A: Complete On Q events and activations program in 2020 and 2021

Event	Description	Date	Location
Caring for You Morning Tea: session 1	Introduced On Q project to caring organisation workers from the Queen Street Precinct	18/11/2020	Glenalvon House, 8 Lithgow Street Campbelltown
Caring for You Morning Tea: session 2	Introduced On Q project to caring organisation workers from the Queen Street Precinct	19/11/2020	Glenalvon House, 8 Lithgow Street Campbelltown
Christmas On Q Pop up lunch Markets: Day 1	Artisan markets popping up 11am-2pm	03/12/2020	Lithgow Street Mall (Cnr Queen Street & Lithgow Street Campbelltown)
Christmas On Q Pop up lunch Markets: Day 2	Artisan markets popping up 11am-2pm	10/12/2020	Lithgow Street Mall
Christmas On Q Pop up lunch Markets: Day 3	Artisan markets popping up 11am-2pm	17/12/2020	Lithgow Street Mall
Christmas On Q Night Markets	(cancelled 1 hour into event due to weather) Larger scale artisan markets with street closure 5pm-9pm	17/12/2020	Lithgow Street between Carberry Lane & Queen Street Campbelltown
Christmas On Q pop up lunch markets - December 2020	On Thursday lunchtimes throughout December, a pop-up artisan Christmas market transformed Lithgow Street, providing the perfect opportunity for Christmas shopping.	December 2020	Lithgow Street
Christmas Specials On Q	Over 40 businesses in city centre on board offering specials. Highlighted businesses throughout the city centre including shopfronts tucked away in arcades.	1/12/2020 to 31/12/2020	Queen Street Precinct
On Q Social Media Competition	Competition in December for public posts on facebook or instagram using #OnQcampbelltown	1/12/2021 to 31/12/2021	Online: social media

Event	Description	Date	Location
Kids On Q Summer Holiday Fun - January 2021	A range of creative workshops for kids took over the Lithgow Street On Q space throughout the January 2021 summer holidays. There were boomerang decorating workshops, rainbow messy play days, Koalarama workshops, and messy play days for minis (toddlers).	January 2021	Lithgow Street
Kids On Q- Boomerang Decorating Workshop	Kids school holiday workshop with local Dharawal Aboriginal Men's Group	07/01/2021	In parklets outside Glenalvon House, Lithgow Street
Kids On Q- Rainbow Messy Play Day	Kids school holiday workshop with Mess it Up	14/01/2021	In parklets outside Glenalvon House, Lithgow Street
Kids On Q- Koalarama	Kids school holiday workshop with Campbelltown Arts Centre & local artists	21/01/2021	In parklets outside Glenalvon House, Lithgow Street
Kids On Q- Messy Play Day for Minis	Toddlers workshop with Mess it Up	28/01/2021	In parklets outside Glenalvon House, Lithgow Street
Campbelltown's Biggest BBQ	Australia Day Event- BBQ breakfast and live music	26/01/2021	Lithgow Street Mall
Twilight On Q Workshop	Alcohol Ink - after work craft workshop. The first Thursday evening during February, March and June provided the perfect opportunity to unwind after work and learn a fun new skill. Alcohol ink design, macrame, ceramics and floristry workshops provided hours of laughs and entertainment.	04/02/2021	Lithgow Street Mall
Valentines On Q - February 2021	Romance was alive and well as Lithgow Street was decorated with a pop-up Valentines themed "instagramable" installation. Indulgent desserts, including waffles, gelato, cannoli, cheesecake, pancakes and more added to the atmosphere.	February 2021	Lithgow Street
Valentine's On Q: Day 1	Pop up Valentines themed "instagrammable" installation/photo opportunities and dessert truck 'Retro Birdie'	12/02/2021	Lithgow Street Mall
Valentine's On Q: Day 4	Pop up Valentines themed "instagrammable" installation/photo opportunities and dessert truck 'Kerbside Creamery'	13/02/2021	Lithgow Street Mall
Valentine's On Q: Day 3	Pop up Valentines themed "instagrammable" installation/photo opportunities and dessert truck 'Ultimate Indulgence'	14/02/2021	Lithgow Street Mall
On Q Social Media Competition	Competition over Valentine's Day weekend for public posts on facebook or instagram using #onqcampbelltown	12/2/2021 to 14/2/2021	Online: social media

Event	Description	Date	Location
Twilight On Q Workshop	Macrame – after work craft workshop. The first Thursday evening during February, March and June provided the perfect opportunity to unwind after work and learn a fun new skill.	04/03/2021	Lithgow Street Mall
International Women's Day Music On Q	Live, local female performers each day Monday-Friday	8/3/2021 to 12/3/2021	Lithgow Street Mall
Easter Twilight On Q	Pop up Easter themed "instagrammable" installation/photo opportunities and ice cream truck. The Easter Bunny knew exactly where to visit when Lithgow Street was transformed and decorated with an Easter themed "instagrammable" installation. Everyone's favourite ice-cream truck was also on hand to deliver indulgent desserts to enjoy.	01/04/2021	Lithgow Street Mall
Kids On Q Easter Holiday Fun	Lithgow Street was transformed once again into a creative kids alfresco workshop space during the Easter school holidays. The Campbelltown Bush Care Team ran insect investigation workshops and koalarama workshops for this environmental themed program.	April 2021	Lithgow Street
Kids On Q- Insect Investigations Workshop	Kids school holiday workshop with Campbelltown Bush Care Team	14/04/2021	Lithgow Street Mall
Kids On Q- Koalarama Workshop	Kids school holiday workshop with Campbelltown Bush Care Team, Campbelltown Arts Centre and artist Jeff McCann	15/04/2021	Lithgow Street Mall
Seniors Morning Tea On Q: Day 1	Seniors Week morning tea, entertainment and tour of Glenalvon House. On Q celebrated the 2021 Seniors Festival with live music, entertainment, morning teas and tours of the historic Glenalvon House.	20/04/2021	Glenalvon House, 8 Lithgow Street Campbelltown
Seniors Morning Tea On Q: Day 2	Seniors Week morning tea, entertainment and tour of Glenalvon House. On Q celebrated the 2021 Seniors Festival with live music, entertainment, morning teas and tours of the historic Glenalvon House.	21/04/2021	Glenalvon House, 8 Lithgow Street Campbelltown
Twilight On Q Workshop	Flower crown – after work craft workshop. The first Thursday evening during February, March and June provided the perfect opportunity to unwind after work and learn a fun new skill. Alcohol ink design, macrame, ceramics and floristry workshops provided hours of laughs and entertainment.	06/05/2021	The Enchanted Trove, Queen Street (this was a rescheduled location due to weather)

Event	Description	Date	Location
Pop Up Library On Q: National Simultaneous Story Time	Partnership with Campbelltown library for broadcast of this year's story book being read by an astronaut at the international space station as well as kids spaced themed activities.	19/05/2021	Lithgow Street Mall
Pop Up Library On Q: Launch of On Q Play Space	In May, the newly installed kids play space On Q was launched with some pop-up library events including National Simultaneous Story Time, face painting and a pop-up library. First activation in the newly installed kids play space On Q including activities, face painting and pop up library	20/05/2021	On Q Play Space (outside 147 Queen Street Campbelltown)
Beats & Eats On Q	Beats and Eats On Q transformed Queen Street into a hub for foodies and music lovers. Flavours of traditional cuisines from around the world were available, showcasing the range of restaurants in the precinct including Afghan, Vietnamese, Lebanese, Thai and Japanese. Crowds also enjoyed street performances from musicians and dance artists, drumming workshops, and played large-scale games in the plaza space. The event also featured a mini Eat Street where people could grab dessert after their dinner and dancing. Cultural music/performance & food evening event. Road closed.	29/05/2021	Lithgow Street between Carberry Lane & Queen Street Campbelltown
Winter Nights On Q	Queen Street is home to a set of diverse restaurants with a vibrant range of cuisines and flavours available. Friday nights throughout June, Queen Street was filled with live music, street performers and winter treats to celebrate Winter Nights On Q. The event encouraged our community to head out and experience some of the newly renovated spaces on Queen Street, while enjoying food from one of the many local restaurants nearby. Outdoor heating, restaurant promotion, live music & dessert trucks each Friday night in June	4/6/2021, 11/6/2021, 18/6/2021 (25 June cancelled due to COVID restrictions)	Lithgow Street Mall & Queen Street misc.
Forum Q activation series	Cypher Session Exhibition Battles with workshops and performances to launch the space. Additional activities at Forum Q have been delivered through 2022.	17 December 2021	Lithgow Street Mall

Event	Description	Date	Location
Christmas in the City On Q - December 2021	Lithgow Street Campbelltown was filled with festive cheer on Friday and Saturday evenings in December. Featuring artisan market stalls, food and dessert trucks, entertainment, workshops and Christmas lights and decorations. https://overtoyou.campbelltown.nsw.gov.au/on-q-christmas-markets	December 2021	Lithgow Street

Appendix B: Summary of On Q performance against Streets as Shared Spaces Program Success Indicators

Indicator	Measure	Evidence	Relevant objective/s
Additional street trees	15	Included in Physical Change and Pedestrian Priority Report	1
Additional planting at footway level	Total – 169m2 excluding trees 69m2 Lithgow St 39m2 Lithgow St Mall 61m2 Queen Street	Included in Physical Change and Pedestrian Priority Report	1
Additional public art	8 artworks by Indigenous artists on tree pots throughout the installation 1 'light work' with a local artist living with a disability 1 major mural and dance performance space of 284m2 (Mural 60m2)	Included in Physical Change and Pedestrian Priority and Arts and Mural Reports.	1
Creative worker employment opportunities	26.21 weeks of full-time equivalent roles	The project employed a number of creative workers including a dance artist to curate the mural space, and a videographer to capture images and video.	1
Project partners engaged	4	South West Sydney Local Health District – Drinking fountain installed Western Sydney University Campbelltown Arts Centre Campbelltown Library	1
Additional lighting	50 lineal metres (illuminating 300 m2) of festoon lighting in Lithgow Street Mall 24 m2 of solar powered festoon lighting in Parklets in Queen St	Photo and/or video footage (before/after)	2
Additional public space created or made accessible	1265 m2	Included in Physical Change and Pedestrian Priority Report	2
Additional length of clear continuous walking space	165 metres total 25 metres in Lithgow St 140 metres in Queen St	Included in Physical Change and Pedestrian Priority Report	2,3

Additional length of clear continuous cycling space	63 metres in Lithgow St 300m of safer cycling space in existing 10kmh 'Shared Space' due to parking reconfiguration and pedestrian improvements slowing traffic	Included in Physical Change and Pedestrian Priority Report	2,3
Quantity of road space reallocated	1265 m2	Included in Physical Change and Pedestrian Priority Report	4
Total traffic speed reduction	Speed in km/h – awaiting data PI	Self-reported	4
Pedestrians	Quantity from Place Intelligence Data	Pedestrian counts (before/after)	4,5
Cyclists	Quantity from Place Intelligence Data	Cyclist counts (before/after)	4,5
Viable long-term opportunities identified	4	Stage 1 Lithgow Street Mall will remain Stage 2 Queen Street is under review but likely to stay in a modified form Lithgow Street Mall Creative and Performing Arts space will remain permanently Additional car spaces in neighbouring precincts are being considered for Outdoor Dining in 3 places in the city.	6
Timely completion of project	Nil	Project completed 30 March 2022 as per agreed variation due to Covid restrictions	7
Number of traffic, pedestrian or cyclist incidents	3	Vehicle reversing in tree pot on South side Lithgow Street Dec 2020 – no injury Vehicle tyre damage from garden edging corner Queen and Patrick Streets Vehicle damage to and movement of 2 sandstone blocks at 167 Queen Street January 2022	8
Employment opportunities – project delivery	86.82 weeks of full-time equivalent roles	The project employed a number contractors and construction staff to implement the program. Council staff also undertook additional employment to facilitate the program and construct and install the interventions Creative Workers are included in this figure.	
Employment opportunities – local business	16	Four new businesses have set up in the precinct during the project and one café has added additional staff	

Appendix C: Infrastructure plans for physical changes

THE PURPOSE OF THE ON Q TEMPORARY INSTALLATION IS TO PROVIDE FOR A QUICK RESPONSE DEMONSTRATION PROJECT OR STRATEGIC PILOT, WHICH TEMPORARILY ADAPT LITHGOW STREET TO SUPPORT A HEALTHIER, SAFE AND RESILIENT COMMUNITY.

THE STAGE 1 ON Q PROJECT DESIGN MEETS THE NSW PREMIER'S PRIORITY TO INCREASE WALKABLE ACCESS TO QUALITY, OPEN GREEN AND PUBLIC SPACE IN URBAN AREAS.

BUILDING ON THIS, THE MAIN OBJECTIVES OF THE STREETS AS SHARED SPACES PROGRAM WERE TO:

- BUILD ON THE LOCAL CHARACTER AND IMPROVE THE ATTRACTIVENESS OF CENTRES AND PUBLIC SPACES THROUGH INNOVATIVE AND CREATIVE APPROACHES (TEMPORARY GREENING/ PLANTING OR PUBLIC ART);
- INCREASE SPACE FOR SAFE WALKING AND CYCLING (SUCH AS FOOTPATH WIDENING);
- IMPROVE ACCESS ON FOOT OR BIKE TO KEY DESTINATIONS INCLUDING LOCAL CENTRES AND PUBLIC OPEN SPACE (SUCH AS A NEW CYCLEWAY);
- RECONFIGURE STREETS TO SUPPORT PHYSICAL HEALTH, LOCAL BUSINESS AND KEY WORKERS (SUCH AS NEW PARKLETS OR REDUCING SPEED);
- ACTIVATE HIGH STREETS TO CREATE BETTER QUALITY PUBLIC SPACE;
- ENABLE LONG-TERM CHANGES SUPPORTED BY STRATEGIES, THE COMMUNITY AND STAKEHOLDERS (SUCH AS BRINGING FORWARD A NEW PUBLIC PATHWAY OR ROAD CLOSURE);
- ESTABLISH AND COMMENCE DELIVERY OF PROJECTS AS EARLY AS POSSIBLE IN 2020; AND/OR
- ENSURE THE SAFETY OF THE TRAVELLING PUBLIC, INCLUDING UNDER THE NSW GOVERNMENT'S ROAD SAFETY PLAN 2021.

THESE OBJECTIVES ALIGN WITH THE A NUMBER OF DIRECTIONS IN REIMAGINING CAMPBELLTOWN TO REVITALISE QUEEN STREET, ESPECIALLY:

- TO PRIORITISE PEOPLE IN THE CITY CENTRE (COMMITMENT 2.1)
- TO BETTER CLUSTER AND CONNECT BUSINESSES TO ACHIEVE ECONOMIC BENEFITS (COMMITMENT 3.1)
- TO DELIVER A HIGHLY CONNECTED AND COMPREHENSIVE GREEN GRID WHICH CELEBRATES PLACE (COMMITMENT 4.1)
- TO REDUCE THE URBAN HEAT ISLAND EFFECT (COMMITMENT 4.4)
- TO DELIVER AN ABUNDANCE OF MULTI-USE, HIGH-PERFORMANCE OPEN SPACES ACCESSIBLE BY ALL (COMMITMENT 5.1)
- TO ENRICH THE URBAN EXPERIENCE THROUGH A NETWORK OF VARIED URBAN SPACES THAT INVITE OCCUPANCY AND ACTIVITY (COMMITMENT 5.2)
- TO CELEBRATE CAMPBELLTOWN'S IDENTITY AS A CAMPUS CITY THROUGH BUILT FROM THAT EMBRACES LOCAL

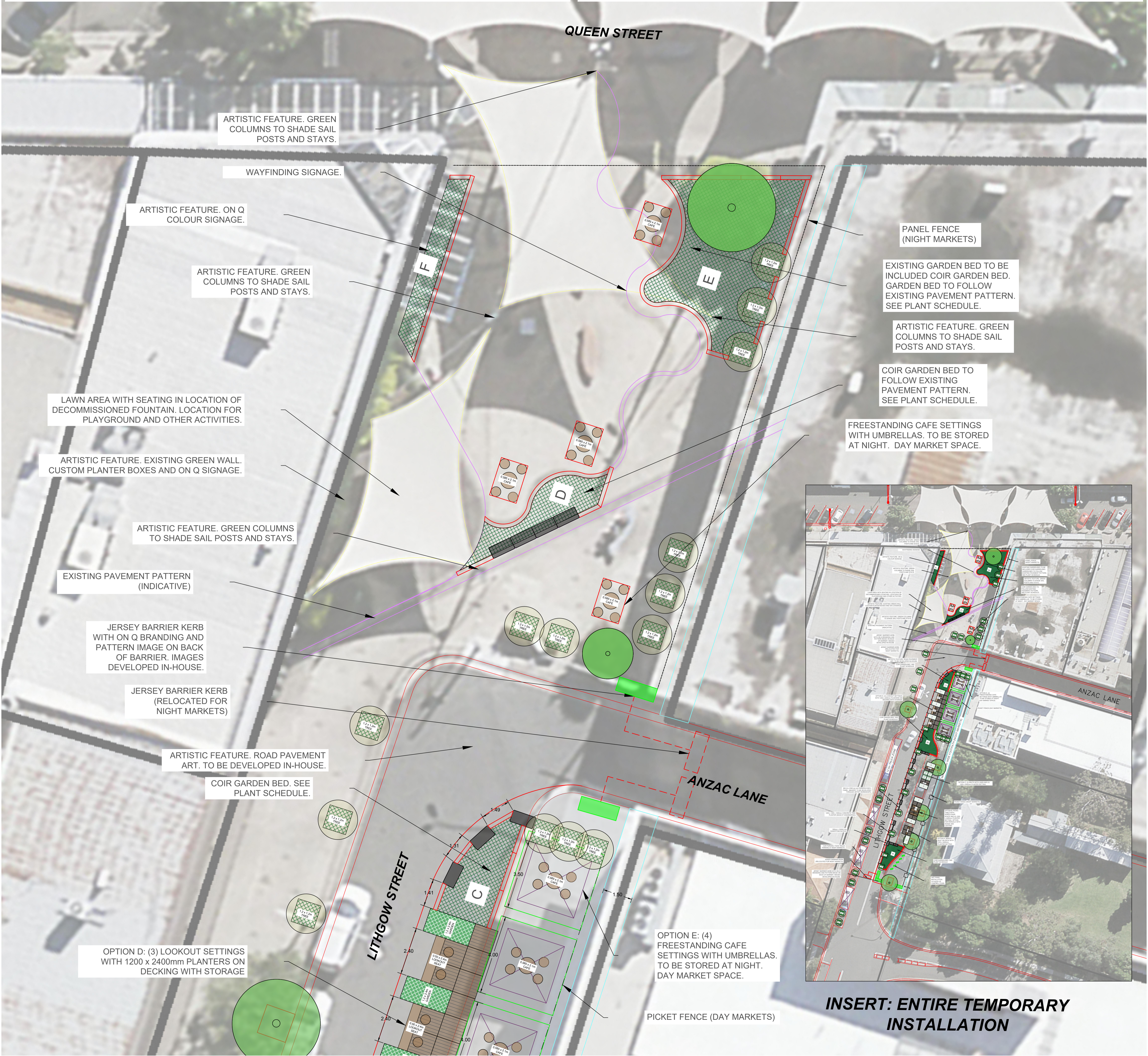
CHARACTER AND PLACE IDENTITY (COMMITMENT 5.4)

- TO DELIVER DESIGN EXCELLENCE IN BUILT FORM, PUBLIC REALM AND INFRASTRUCTURE (COMMITMENT 5.5)
- TO CREATE A CITY OF ENERGY AND ENCHANTMENT (COMMITMENT 6.3)
- TO TELL OUR STORIES OLD AND NEW (COMMITMENT 6.4)

THE STAGE 1 ON Q PROJECT DESIGN IS ALSO AN INITIAL STEP IN REALISING CITY MAKING AS PART OF THE DELIVERY FRAMEWORK AIMED AT REVITALISING QUEEN STREET.

THE TEMPORARY DESIGN AIMS TO TEST THE RESILIENCE OF THE SPACE TO CREATE A CONNECTED PLACE AND ALLOWS FOR:

- RECONFIGURING APPROXIMATELY 8000M2 OF ROADWAY AND EXISTING PUBLIC DOMAIN BY INTRODUCING A WIDER PEDESTRIAN WALKWAY AND A SHARED ZONE WITHOUT SACRIFICING THE EXISTING PUBLIC DOMAIN TO CREATE SAFER WALKING AND CYCLING WITHIN THE CBD.
- PRIORITISING PEOPLE OVER VEHICLES. REDUCED VEHICLE MOVEMENT TO ONE LANE AND REDUCED VEHICLE SPEEDS FROM 15KM/H TO 10KM/H, ALL WITHIN THE BOUNDARIES OF EXISTING TRAFFIC RULES. BIKE PARKING AND SERVICE DELIVERY ACCESS TO SURROUNDING BUILDINGS IS PROVIDED.
- ENHANCING THE LOCAL CHARACTER CREATED BY GLENALVON HOUSE. EXTENDING THE GREEN SPACE BEYOND THE BOUNDARY OF GLENALVON HOUSE BY PROVIDING 33 ADDITIONAL STREET TREES AND APPROXIMATELY 115M2 OF GARDEN BEDS. PLANT AND TREE SPECIES SELECTED REFLECT CULTURAL HERITAGE AND CAN BE UTILISED IN EDUCATIONAL TALKS RELATING TO BUSH TUCKER AND THE IDENTITY OF THE AREA.
- A DESIGN ALLOWS FOR TESTING OF VARIOUS SEATING ARRANGEMENTS, WITH OR WITHOUT NATURAL OR ARTIFICIAL SHADE, AND PROVIDE FOR ACCESS TO ALL TO ENCOURAGE A WIDER USER GROUP TO THE CBD.
- A MATERIALS PALETTE IS SYMPATHETIC TO THE LOCAL ENVIRONMENT AND CONSISTS OF SANDSTONE, TIMBER AND COIR LOGS.
- AN OPEN, GREEN DESTINATION WHERE THERE WAS NONE BEFORE. A PLACE TO REST AND RECHARGE IN A SPACE WHICH FOLLOWS SOCIAL DISTANCING GUIDELINES IN A CLOSE, WALKABLE PROXIMITY TO A HIGH NUMBER OF WORKERS WITHIN THE CITY CENTRE.
- A DESIGN OFFERING OPPORTUNITY TO SUPPORT LOCAL BUSINESS WITH LINGERING SPACE AND OUTDOOR DINING OPPORTUNITIES TO ATTRACT MORE PEOPLE COMING TO THE CBD. SPACES ALLOW FOR LOCAL ARTISAN TRADERS AND FOOD TRUCKS ON MARKET DAYS. LIGHTING SUPPORTS NIGHT TIME ACTIVATION.
- ARTISTIC EXPRESSION WITHIN THE MALL AREA TO PROMOTE ACTIVITIES SUCH AS STORYTELLING AND MUSIC.
- OPPORTUNITY TO EXPRESS COMMUNITY VALUES THOUGH WORKSHOPS WITH THE COMMUNITY I.E. SCREEN AND PANELS AND PLANTER BOX SURFACES.



INSERT: ENTIRE TEMPORARY INSTALLATION



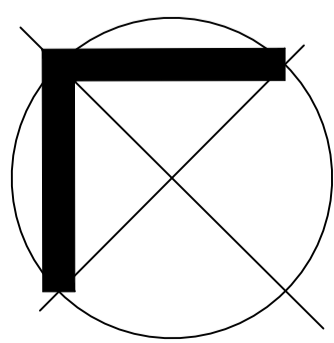
ON Q - STAGE 1 - TEMPORARY INSTALLATION -
LITHGOW STREET MALL, CAMPBELLTOWN - SHEET 2 OF 2

QUEEN STREET SHARED SPACES PROJECT

PREPARED BY:
CITY DELIVERY -
OPEN SPACE

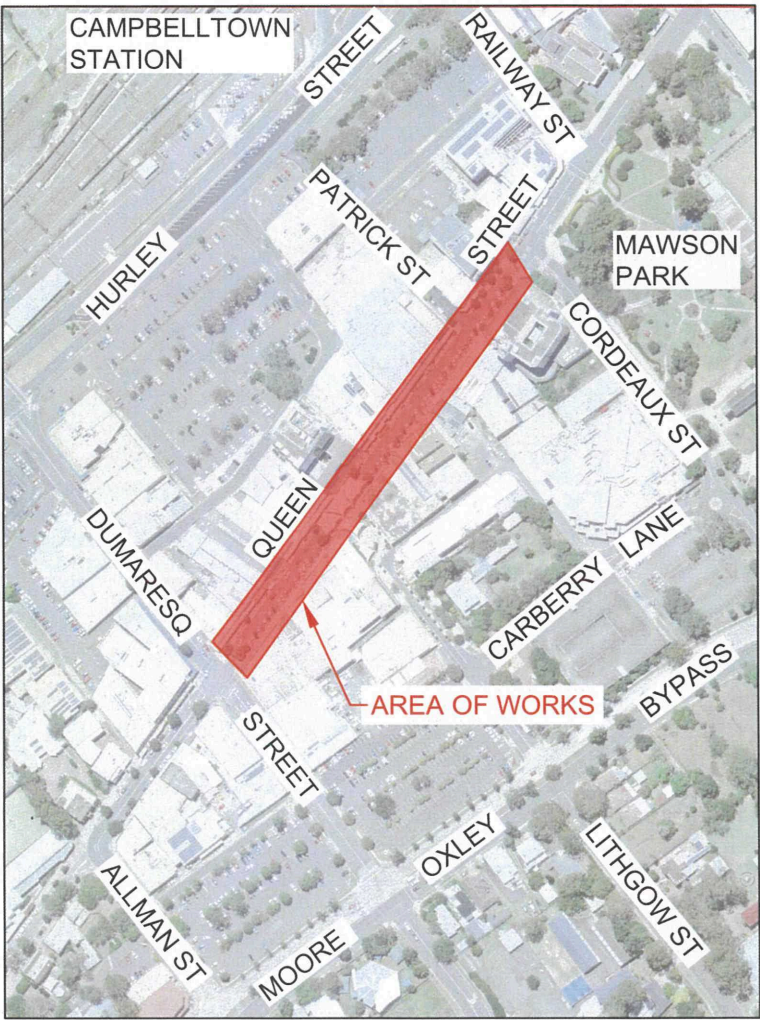
FOR:
INFORMATION

REV: D
DATE: 10/11/2020
SCALE: NTS @ A0





QUEEN STREET, CAMPBELLTOWN
ON Q SHARED STREET SPACES PROJECT



LOCALITY PLAN
NOT TO SCALE

Checked:
B. Simpson
F. Sirc
Drawn:
A. Hasan

DRAWING INDEX	
SHEET No.	DESCRIPTION
1	COVER SHEET
2	CONSTRUCTION NOTES
3	LEGEND
4	GENERAL ARRANGEMENT PLAN
5	SIGN POSTING PLAN

Revision	Date	Description	Approved
C	19/05/2021	FINAL DESIGN FOR ISSUE	BS,FS
B	17/03/2021	80% DRAFT LANDSCAPE LAYOUT PLAN	JZ, ML
A	25/02/2021	DRAFT LANDSCAPE LAYOUT PLAN REVIEW	GT, DG




CAMPBELLTOWN
CITY COUNCIL

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Approved
Director City Delivery
K.Lynch

Signed
Date

Approved
Co-ordinator Traffic & Roads
A.Arora


Signed
Date 24.5.21

Approved
Co-ordinator Open Space
N.Lynch


Signed
Date 19/5/21

Approved
Co-ordinator Place & Projects
N.Robinson


Signed
Date 19/5/21

Checked: BS,FS	Surveyed: -
Drawn: JZ,AH	Date: 19/05/21
Designed: BS,JZ	SCALE (A0) NTS

Project: QUEEN STREET, CAMPBELLTOWN ON Q SHARED STREET SPACES PROJECT COVER SHEET	
Sheet no: 1 of 5	Job no: 14403

\\City Delivery\Infrastructure\Design\Queen Street Shared Space - Q Up\6 Design\Detailed Design\On Q Queen Street Final.dwg, 19/05/2021 9:20:19 AM, AutoCAD PDF (General Documentation).pc3

DIAL 1100
BEFORE YOU DIG

G GENERAL

- G1. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH DCP OF CAMPBELLTOWN CITY COUNCIL, TECHNICAL SPECIFICATIONS AND GUIDELINES ISSUED BY ROADS AND MARITIME SERVICES (RMS), AUSTRADRS STANDARDS, AUSTRALIAN STANDARD AND TO THE CITY ENGINEER'S SATISFACTION.
- G2. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL OTHER WORKING DRAWINGS, SPECIFICATIONS AND OTHER WRITTEN INSTRUCTIONS THAT MAY BE ISSUED DURING THE COURSE OF CONSTRUCTION. ALL DISCREPANCIES SHALL BE REFERRED TO THE SUPERINTENDENT FOR DECISION BEFORE PROCEEDING WITH THE WORK.
- G3. DIMENSIONS SHALL NOT BE OBTAINED BY SCALING THE DRAWINGS. REDUCED LEVELS AND CHAINAGES ARE IN METERS. ALL OTHER DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN. SET OUT DIMENSIONS ON THE DRAWING SHALL BE VERIFIED BY THE CONTRACTOR ON SITE.
- G4. NO WORK WITHIN ADJOINING PROPERTIES TO BE UNDERTAKEN WITHOUT WRITTEN PERMISSION FROM THE PROPERTY OWNER.
- G5. NO DISTURBANCE TO THE SITE SHALL BE PERMITTED OTHER THAN IN THE IMMEDIATE AREA OF THE WORKS AND NO MATERIAL SHALL BE REMOVED FROM SITE WITHOUT APPROVAL FROM THE SUPERINTENDENT.
- G6. ALL DEBRIS, UNDERGROWTH AND FENCES TO BE REMOVED FROM PUBLIC RESERVE, DRAINAGE AND ROAD WIDENING AREAS TO THE SATISFACTION OF THE SUPERINTENDENT.
- G7. NO TREES TO BE DISTURBED OR REMOVED WITHOUT COUNCIL'S PERMISSION OR UNLESS OTHERWISE SHOWN ON THE PLAN.
- G8. THE CONTRACTOR SHALL OBTAIN ALL LEVELS FROM ESTABLISHED BENCH MARKS ONLY.
- G9. THE LOCATION OF RECOVERY MARKS AND BENCH MARKS SHOULD BE VERIFIED AND CONFIRMED BY THE CONTRACTOR AND DISCREPANCIES SHOULD BE CLARIFIED IN WRITING WITH COUNCIL PRIOR TO COMMENCEMENT OF WORK.
- G10. DURING CONSTRUCTION THE STRUCTURE SHALL BE MAINTAINED IN A STABLE CONDITION AND NO PART SHALL BE OVERSTRESSED.
- G11. ALL MATERIALS AND WORKMANSHIP SHALL CONFIRM TO THE REQUIREMENTS OF THE RELEVANT AS CODES AND THE SPECIFICATION.
- G12. SAFETY OF THE GENERAL PUBLIC SHALL BE PROVIDED DURING THE CONSTRUCTION WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROL OF TRAFFIC DURING THE COURSE OF WORKS INCLUDING BARRICADING WITHIN AND OUTSIDE THE SITE AS REQUIRED.
- G13. ALL MEASURES IN PUBLIC AREAS TO CONTROL OR DIVERT VEHICULAR AND PEDESTRIAN TRAFFIC IS TO BE COVERED BY A TRAFFIC CONTROL PLAN PREPARED BY AN AUTHORIZED PERSON & APPROVED BY COUNCIL. NO DETOURS SHOULD BE IN PLACE WITHOUT PRIOR APPROVAL OF COUNCIL.
- G14. IT IS CONTRACTOR'S RESPONSIBILITY TO ENSURE SAFE WORK PRACTICES ARE FOLLOWED AT ALL TIMES. WHS REGULATIONS AND WORK COVER REQUIREMENTS ARE TO BE COMPLIED WITH.
- G15. VEHICULAR ACCESS AND ALL SERVICES TO BE MAINTAINED AT ALL TIMES TO ADJOINING PROPERTIES AFFECTED BY CONSTRUCTION.
- G16. ALL MAJOR AND NON-STANDARD STRUCTURES TO BE SUPERVISED BY A PRACTICING QUALIFIED STRUCTURAL ENGINEER AND CERTIFICATION UPON COMPLETION. COPIES OF CERTIFICATION ARE TO BE PROVIDED TO COUNCIL.

S SERVICES

- S1. CONTRACTOR TO CONTACT "DIAL BEFORE DIG" ON TEL:1100 FOR PLAN INFORMATION ON UNDERGROUND PIPES AND CABLES, AT LEAST TWO DAYS PRIOR TO THE COMMENCEMENT OF WORK. USING THE PLANS & ON-SITE LOCATION MARKINGS AS AN INDICATION OF UTILITY SERVICES PRESENCE, HAND DIG TO EXPOSE ALL SERVICES WITHIN THE SAFE APPROACH DISTANCES. CONTRACTOR TO BE HELD RESPONSIBLE SHOULD THEY DAMAGE UTILITY PROPERTY.
- S2. ALL SERVICES AFFECTED BY NEW WORK TO BE ADJUSTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE RELEVANT SERVICE AUTHORITY AT CONTRACTOR'S EXPENSE UNTIL AND UNLESS IT IS SPECIFIED.
- S3. MAKE SMOOTH CONNECTION WITH ALL EXISTING ENGINEERING WORKS.
- S4. CONDUITS TO BE PLACED WHERE REQUIRED BY UTILITY AUTHORITIES, OTHER RELEVANT AUTHORITIES AND COUNCIL.
- S5. SERVICES SHOWN HEREON HAVE BEEN LOCATED WHERE POSSIBLE BY SITE INSPECTION. THE RECORDS FROM RELEVANT UTILITY AUTHORITIES HAVE BEEN PLOTTED WHERE AVAILABLE AND HAVE BEEN NOTED ACCORDINGLY ON THIS PLAN. WHERE SUCH RECORDS EITHER DO NOT EXIST OR ARE INADEQUATE A NOTATION HAS BEEN MADE HEREON. PRIOR TO ANY DEMOLITION, EXCAVATION OR CONSTRUCTION ON THE SITE, CONTRACTOR MUST CONTACT RELEVANT AUTHORITIES FOR POSSIBLE RELOCATION OF UNDERGROUND SERVICES.
- S6. ANY PROPOSED SERVICE CROSSING TO BE THRUST BORED UNDER EXISTING PAVEMENT UNLESS SPECIFIED BY THE SUPERINTENDENT, CONTRACTOR TO REPAIR ANY DAMAGE TO EXISTING SURFACE.

E EARTHWORKS

- E1. EXCAVATION SHALL BE CARRIED OUT TO THE DEPTHS & DIMENSIONS SHOWN OR IMPLIED ON THE PLANS AND/OR THE DOCUMENTS OR TO SUCH GREATER DEPTHS & DIMENSIONS, AS WILL ENSURE SOUND, PERMANENT FOUNDATIONS. ALL EXCAVATIONS SHALL BE APPROVED BY THE SUPERINTENDENT BEFORE ANY MATERIALS OR STRUCTURES ARE PLACED.
- E2. ALL EXCAVATION, SHORING OF EXCAVATION AND STABILITY OF ADJACENT STRUCTURES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- E3. TOPSOIL SHALL BE STRIPPED FROM WITHIN THE AREA OF WORKS INCLUSIVE OF BATTERS & STOCKPILED AS DIRECTED BY THE SUPERINTENDENT. THE THICKNESS OF THE TOPSOIL STRIPPING SHALL NOT BE LESS THAN 100MM.
- E4. ALL EXPOSED DELETERIOUS MATERIALS WHICH, IN THE OPINION OF THE SUPERINTENDENT, ARE UNSUITABLE FOR THE PLACING OF FILLING SHALL BE REMOVED & DISPOSED OFF. IF UNSOUND OR UNSUITABLE MATERIALS ENCOUNTERED AT THE SPECIFIED EXCAVATION LEVEL, ADDITIONAL EXCAVATION & REPLACEMENT WITH COMPACTED APPROVED MATERIAL MAY BE ORDERED.

- E5. WHERE FILLING IS REQUIRED, MATERIAL IS TO BE SELECTED IN DISCUSSION WITH AND TO THE SATISFACTION OF THE SUPERINTENDENT. ALL IMPORTED FILL MATERIAL SHALL BE VIRGIN EXCAVATED NATURAL MATERIAL FREE FROM CHEMICAL OR OTHER CONTAMINATION. A CONTAMINATION REPORT ON THE PROPOSED IMPORTED FILL MATERIAL, FROM A NATA REGISTERED LABORATORY, WILL BE REQUIRED BY COUNCIL PRIOR TO PLACEMENT OF FILL.
- E6. ALL FILL SHALL BE COMPACTED TO NOT LESS THAN 98% OF STANDARD MAXIMUM DRY DENSITY AT -1% TO +2% OF STANDARD OPTIMUM MOISTURE CONTENT (MAXIMUM FILL HORIZONS OF 150MM TO 200MM). ALL AREAS WHICH HAVE TEST RESULTS LESS THAN 98% STANDARD SHOULD BE REWORKED AND RETESTED TO ENSURE COMPLIANCE, IN ACCORDANCE WITH AS 1289.
- E7. TESTS SHALL BE UNDERTAKEN ON ANY PROPOSED FILL MATERIALS TO ENSURE THAT THEY DO NOT HAVE A HIGH DISPERSION POTENTIAL AS IDENTIFIED BY THE EMERSON CRUMB/DISPERSION TESTS (AS 1289)
- E8. ALL FILL AREAS TO BE SURVEYED AT STRIPPING AND FINAL STAGES AND LEVELS SHOWN ON PLANS, (TOGETHER WITH CROSS SECTIONS AT MAXIMUM 20M C/C) AT WORKS-AS-EXECUTED STAGE AND CONTROLLED BY A REGISTERED SURVEYOR.
- E9. ALL EARTHWORKS SHALL BE CONTROLLED AND CERTIFIED BY A NATA REGISTERED LABORATORY. TWO COLLATED COPIES OF ALL TEST CERTIFICATES, ACCOMPANIED BY AN OVERALL SITE PLAN, CLEARLY INDICATING THE LOCATION OF EACH TEST AND FILL AREAS ETC., AND THE LABORATORY CERTIFICATE COVERING THE WHOLE OF THE AREA TESTED ARE TO BE FORWARDED TO COUNCIL UPON COMPLETION. TESTING IS TO BE TO AS 3798.
- E10. KERB CORE SAMPLES TO AS1012 SHALL BE TAKEN BY NATA REGISTERED LABORATORY TWENTY EIGHT (28) DAYS AFTER LAYING. TWO COPIES OF TEST REPORTS SHALL BE FORWARDED TO COUNCIL.
- E11. PROVIDE PENNISETUM CLANDESTINUM (KIKUYU) TURF ON 200MM THICK TOPSOIL, UNLESS NOTED OTHERWISE.
- E12. HYDROMULCH OR HYDROSEED ALL OTHER DISTURBED AREAS NOT COVERED BY E11. SPECIFICATIONS FOR HYDROMULCH OR HYDROSEED MUST BE DETERMINED BY THE SUPERINTENDENT.
- E13. EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE CARRIED OUT IN ACCORDANCE TO CAMPBELLTOWN CITY COUNCIL'S STANDARD DRAWING.
- E14. THE CONTRACTOR SHALL IMPLEMENT EROSION AND SEDIMENT CONTROL MEASURES AS NECESSARY, AND TO THE SATISFACTION OF THE SUPERINTENDENT PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND DURING CONSTRUCTION. MAINTENANCE OF THE EROSION AND SEDIMENT CONTROL IS TO BE UNDERTAKEN BY THE CONTRACTOR ON REGULAR BASIS OR AS DIRECTED BY THE SUPERINTENDENT.

C CONCRETE

- C1. ALL WORKMANSHIP AND MATERIALS TO CONFIRM TO THE REQUIREMENT OF AS 3600. FORMWORKS ARE TO BE IN ACCORDANCE WITH AS 3610.
- C2. ALL FORMS SHALL BE DESIGNED SUCH THAT EXPOSED CONCRETE EDGES SHALL HAVE A MINIMUM OF 15MM CHAMFER AND ALL EXPOSED RE-ENTRANT CORNERS SHALL HAVE A MINIMUM OF 15MM FILLET UNLESS NOTED OTHERWISE.

SR STEEL REINFORCEMENT

SR1. REINFORCEMENT SHALL COMPLY TO AS 1303, AS 4100 AND AS/NZS 4671.

SR2. GRADE AND DIAMETER DESIGNATION:

REINF. TYPE	GRADE	AS CODE	SYMBOL
DEFORMED BAR	D500	AS/NZS 4671	N
PLAIN ROUND BAR	R250	AS/NZS 4671	R
RECTANGULAR MESH		AS/NZS 4671	RL
SQUARE MESH		AS/NZS 4671	SL
TRENCH MESH		AS/NZS 4671	LT

SR3. DESIGNATION CODE:



SR4. COVER: CONCRETE COVER SHALL BE 50mm UNLESS NOTED OTHERWISE

SR5. LAP LENGTH: WHERE LAPPING ONF REINFORCEMENT OCCURS, THE MINIMUM LAP LENGTH SHOULD BE AS FOLLOWS:

- N12 - 400mm LAP
N16 - 600mm LAP
N20 - 850mm LAP
N24 - 1000mm LAP
FABRIC: 2 TRANSVERSE BARS+25mm

SR6. ALL REINFORCEMENT SHALL BE SUPPORTED AT 800MM MAXIMUM CENTRES TO MAINTAIN THE NOMINATED POSITION AND COVER.

D DRAINAGE

- D1. PITS MORE THAN 1.2M DEEP TO HAVE IRON STEPS.
- D2. DRAINAGE PIPES SHALL BE BACKFILLED WITH TYPE HS3 SUPPORT MINIMUM SLOTTED AGRICULTURAL LINE SURROUNDED BY GEOTECH STOCKING AND CONNECTED TO ALL DOWNSTREAM PITS.
- D3. DRAINAGE PIPE TYPES 225MM DIA AND SMALLER TO BE UPVC UNLESS OTHERWISE SPECIFIED.
- D4. ALL REINFORCED CONCRETE PIPES 300MM DIA & GREATER SHALL BE RUBBER RING JOINTED (OR SIMILAR) AND TO BE CONSTRUCTED IN ACCORDANCE WITH AS 4058.
- D5. REINFORCED CONCRETE PIPES UNDER ROADS TO BE CLASS '3' AND CLASS '2' IN NON-TRAFFICKED AREAS.
- D6. ALL GULLY PITS TO BE ACCORDING TO COUNCIL'S STANDARD DRAWING WITH CONTINUOUS HINGE ON GRATES WITH CYCLE PROOF GRATES UNLESS NOTED OTHERWISE - LINTELS CENTRALLY PLACED SAG PITS.
- D7. AGRICULTURAL LINES IN APPROVED GEOTECHNICAL STOCKING TO BE PLACED WHERE DIRECTED BY COUNCIL (GENERALLY UNDER KERB).
- D8. GUTTER SLOTS TO BE PROVIDED AT PITS AND AT REGULAR INTERVALS TO DRAIN TEMPORARY SEAL (ONLY WHERE TEMPORARY SEAL FINISHES BELOW LIP OF GUTTER).
- D9. TOP BENCHING TO BE HALF OF OUTLET PIPE DIAMETER.
- D10. ALL GRATE PITS TO BE FITTED WITH LOCK DOWN BOLTS TO COUNCIL/ MANUFACTURER STANDARD SPECIFICATION.

P PAVEMENTS

- P1. SUB-GRADE, SUB-BASE COURSE AND BASE TO BE COMPACTED AS PER AUSTRADRS /RMS SPECIFICATIONS.
- P2. PAVEMENT DETAILS GIVEN ON TYPICAL SECTION ARE NOMINAL PAVEMENT DEPTS AND ARE TO BE CONFIRMED WITH THE SUPERINTENDENT.
- P3. SUB-BASE AND BASE COURSE MATERIALS TO BE IN ACCORDANCE WITH AUSTRADRS AND RMS SPECIFICATIONS (SEE RMS QA SPECIFICATION 3051 OR LATEST).
- P4. ALL ROADS ARE TO BE TEMPORARILY SEALED AND ASPHALT TO BE OVERLAYED FOLLOWING COMPLETION OF ALL SERVICES AND RESTORATIONS OR AS DIRECTED BY SUPERINTENDENT.
- P5. FINAL PAVEMENT THICKNESS TO BE DETERMINED AFTER "BOXING OUT" BY JOINT INSPECTION BY NATA REGISTERED LABORATORY AND THE SUPERINTENDENT. TWO COPIES OF PAVEMENT REPORT MUST BE MADE AVAILABLE TO COUNCIL MINIMUM TWO (2) WORKING DAYS PRIOR TO INSPECTION.


E ENVIRONMENTAL

- E1. TO LIMIT DUST POLLUTION TO ADJOINING PROPERTIES, DUST SUPPRESSANTS ARE TO BE USED ON HAULAGE ROADS. IF THE PREVAILING WEATHER CONDITIONS CONTRIBUTE TO THE DUST POLLUTION AND IF IN THE OPINION OF THE SUPERINTENDENT, THE WORKS ARE REQUIRED TO BE CEASED, THE CONTRACTOR MUST STOP THE WORKS IMMEDIATELY.
- E2. NO VIBRATING ROLLERS TO BE USED IN THE VICINITY OF PROPERTIES. ALL THE PROPERTIES IN CLOSE PROXIMITY OF THE WORK SITE MUST BE INSPECTED PRIOR TO AND AFTER THE COMPLETION OF WORKS. A DELAPIDATION REPORT SHOULD BE SUBMITTED TO THE SUPERINTENDENT BEFORE COMMENCEMENT OF WORKS.
- E3. NO DISTURBANCE TO OCCUR TO THOSE PARTS OF THE SITE NOT DIRECTLY AFFECTED BY THE WORKS. NO EXCAVATION FILLING, DUMPING, BURNING OF TREE STUMPS, OR ANY OTHER ACTIVITY IS PERMITTED IN THESE AREAS. THE STATUS OF THE ENVIRONMENT & ECOLOGY MUST BE STRICTLY PRESERVED. DISTURBED AREAS MUST BE REINSTATED.

WAE WORKS-AS-EXECUTED (WAE) DRAWINGS

- WAE1. AFTER THE PRACTICAL COMPLETION OF THE WORKS, THE SUPERINTENDENT SHALL SUPPLY CONTRACTOR WITH ONE SET OF CONTRACT DRAWINGS FOR THE PURPOSE OF PREPARING WORKS-AS -EXECUTED DRAWINGS AND SUBMIT TO COUNCIL WITHIN ONE MONTH'S TIME.
- WAE2. THE SUPERINTENDENT WILL NOT ISSUE THE FINAL CERTIFICATE IF THE WORKS-AS -EXECUTED DRAWINGS HAVE NOT BEEN RECEIVED FROM THE CONTRACTOR.

Revision	Date	Description	Approved
C	19/05/2021	FINAL DESIGN FOR ISSUE	BS,FS
B	17/03/2021	80% DRAFT LANDSCAPE LAYOUT PLAN	JZ, ML
A	25/02/2021	DRAFT LANDSCAPE LAYOUT PLAN REVIEW	GT, DG

 **CAMPBELLTOWN CITY COUNCIL**

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Approved
Director City Delivery
K.Lynch

Signed
Date

Approved
Co-ordinator Traffic & Roads
A.Arora

Signed
Date

Approved
Co-ordinator Open Space
N.Lynch

Signed
Date

Approved
Co-ordinator Place & Projects
N.Robinson

Signed
Date

Checked:
BS,FS

Drawn:
JZ,AH

Designed:
BS,JZ

Surveyed:
-

Date:
19/05/21

SCALE (A0)
1:100

Project:
QUEEN STREET, CAMPBELLTOWN
ON Q SHARED STREET SPACES PROJECT
CONSTRUCTION NOTES

Sheet no: 2 of 5

Job no: 14403






















Checked:
B.Simpson

Drawn:
F.Sirc











Drawn:
A.Hasan

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LEGEND

-  EXISTING SIGN LOCATION
-  EXISTING ROAD FEATURES
-  PROPERTY BOUNDARY
-  EXISTING PRAM RAMP AS PER SD-R07
-  EXISTING STORM WATER DRAIN
-  EXISTING STREET LIGHT
-  EXISTING RUBBER SPEED CUSHION
-  EXISTING PAVERS ON ROAD
-  EXISTING MEDIAN ISLANDS
-  PROPOSED GARDEN WITH COIR LOG BOUNDARY
-  PROPOSED TIMBER DECKING BY PLANTABOX
1.2M (W) X 1.2M (L) X 0.15M (H)
-  PROPOSED POT (0.75M X 0.75M) AND TREE
-  PROPOSED PARKLET BY PLANTABOX
REFER GENERAL ARRANGEMENT PLAN
-  PROPOSED TYPE F CONCRETE BARRIER
SLOPED END SECTION 4M (L) X 0.5M (W) X 0.5M (H)
ROAD-FACING KERB FACE TO BE PAINTED WITH 'ON Q' ICONS
-  PROPOSED TYPE F CONCRETE BARRIER
SECTION 2M (L) X 0.5M (W) X 0.5M (H)
ROAD-FACING KERB FACE TO BE PAINTED WITH 'ON Q' ICONS
-  PROPOSED LARGE PLANTER BOX 2.4M (L) X 1.2M (W) X 0.5M (H) WITH PLANTS
-  PROPOSED NATURAL TURF BY PLANTABOX
1.2M (W) X 1.2M (L)
-  PROPOSED SYNTHETIC TURF BY PLANTABOX
-  PROPOSED DISABLED RAMP BY PLANTABOX
-  PROPOSED SANDSTONE BLOCK 1M (L) X 0.5M (W)
-  PROPOSED SANDSTONE BLOCK 2M (L) X 0.5M (W)

PAVEMENT MARKING SCHEDULE

-  C1 CONTINUITY LINE 150mm WIDE (PROPOSED)
-  E1 EDGE LINE FOR PARKING LANE 150mm WIDE (PROPOSED)
-  TRANSVERSE PARKING LINE AT END OF BAYS 150mm WIDE (PROPOSED) @ 6.2M SPACING
-  ACCESSIBLE PARKING BAY (PROPOSED) 6.2M (L) X 3.4M (W)
-  ACCESSIBLE PARKING BAY (EXISTING) 6.3M (L) X 3.0M (W)
-  ACCESSIBLE PARKING CHEVRONS (PROPOSED)
1M (W) X 0.6M (L) @ 0.6M SPACING
-  MOTOR CYCLE PARKING BAYS (PROPOSED) 1.4M (W) X 3.0M (L)
-  SEPARATION CHEVRON (PROPOSED)
2.6M (W) X 3.8M (L) AND WITH 2 1M WIDE SPLAYS
@ 45° ANGLE AND 1M SPACING
-  PROPOSED PAVEMENT MARKING
-  AR1 PAVEMENT ARROW (PROPOSED)

DIAL 1100
BEFORE YOU DIG

NOTES

1. ALL DIMENSIONS ARE IN 'METRES' UNLESS SHOWN OTHERWISE
2. ALL SERVICES TO BE CHECKED FOR LEVEL & LOCATION PRIOR TO COMMENCEMENT OF WORK
3. LOCATION OF SIGNS ARE TO COMPLY WITH MINIMUM CLEARANCES FROM SERVICES
4. EXACT LOCATION OF FOOTINGS WILL BE DETERMINED BY UNDERGROUND SERVICES
5. ALL PAVEMENT MARKING AND SIGNPOSTING TO BE IN ACCORDANCE WITH RMS SPECIFICATIONS AND AS 1742
6. REMOVE ALL REDUNDANT PAVEMENT MARKING AS REQUIRED
7. PROVIDE ADEQUATE APPROACH WARNING SIGNS DURING & AFTER CONSTRUCTION
8. PROVIDE CHANGED TRAFFIC CONDITIONS SIGN AND SHOULD REMAIN IN PLACE FOR THREE MONTHS
9. TRAFFIC MANAGEMENT PLAN TO BE IN PLACE PRIOR TO CONSTRUCTION COMMENCING
10. SANDSTONE BLOCKS TO BUTT FACE OF WOODEN DECKING TO ENSURE A MIN OF 3.2M TRAVEL LANES

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B	17/03/2021	80% DRAFT LANDSCAPE LAYOUT PLAN	JZ, ML
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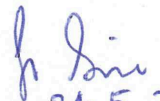
**CAMPBELLTOWN
CITY COUNCIL**

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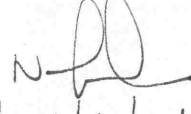
Approved
Director City Delivery
K.Lynch

Signed
Date

Approved
Co-ordinator Traffic & Roads
A.Arora

per 
Signed
Date 24.5.21



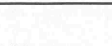
Approved
Co-ordinator Open Space
N.Lynch


Signed
Date 19/5/21

Approved
Co-ordinator Place & Projects
N.Robinson


Signed
Date 19/5/21

Checked: BS,FS	Surveyed: -
Drawn: JZ,AH	Date: 19/05/21
Designed: BS,JZ	SCALE (A0) 1:100

Checked: 
B.Simpson
F.Sirc 
Drawn: 
A.Hasan

Project:
QUEEN STREET, CAMPBELLTOWN
ON Q SHARED STREET SPACES PROJECT

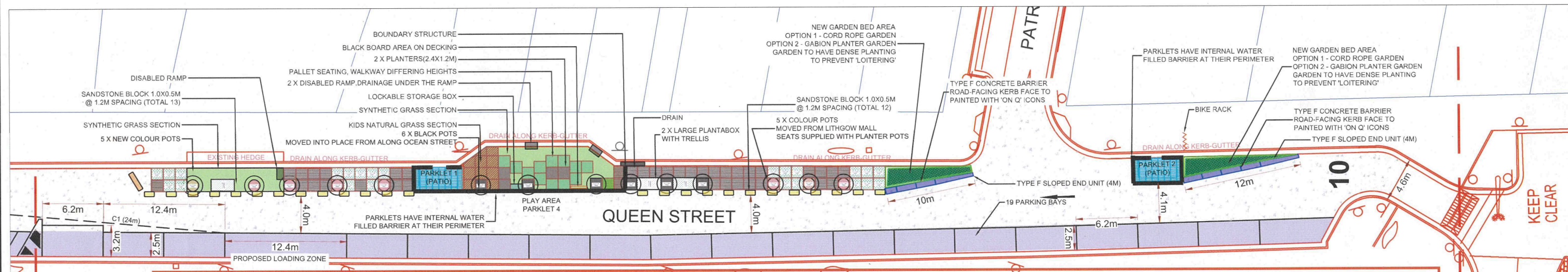
LEGEND

Sheet no: 3 of 5

Job no: 14403

A horizontal number line is shown with tick marks at 0, 10, and 20. The word "Meters" is written at the right end. The line is divided into segments by vertical lines. The segments are colored alternately black and white, starting with black from 0 to 2.5, white from 2.5 to 5, black from 5 to 7.5, white from 7.5 to 10, black from 10 to 12.5, white from 12.5 to 15, black from 15 to 17.5, and white from 17.5 to 20. There are 8 segments in total, each 2.5 meters long.

TOTAL PARKING BAYS:
30 PARKING BAYS
5 ACCESSIBLE ONLY PARKING BAYS
3 MOTOR CYCLE PARKING BAYS

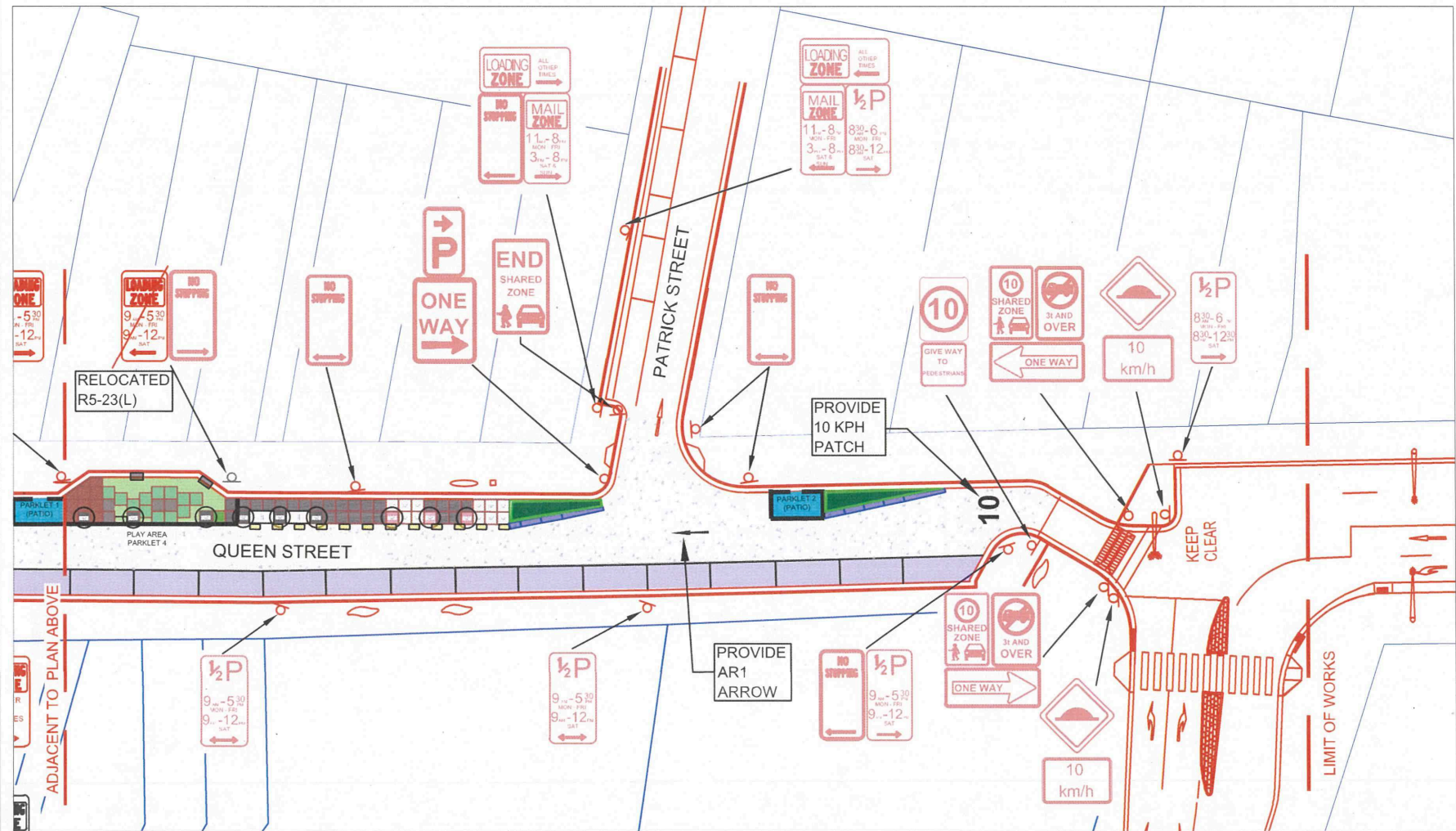
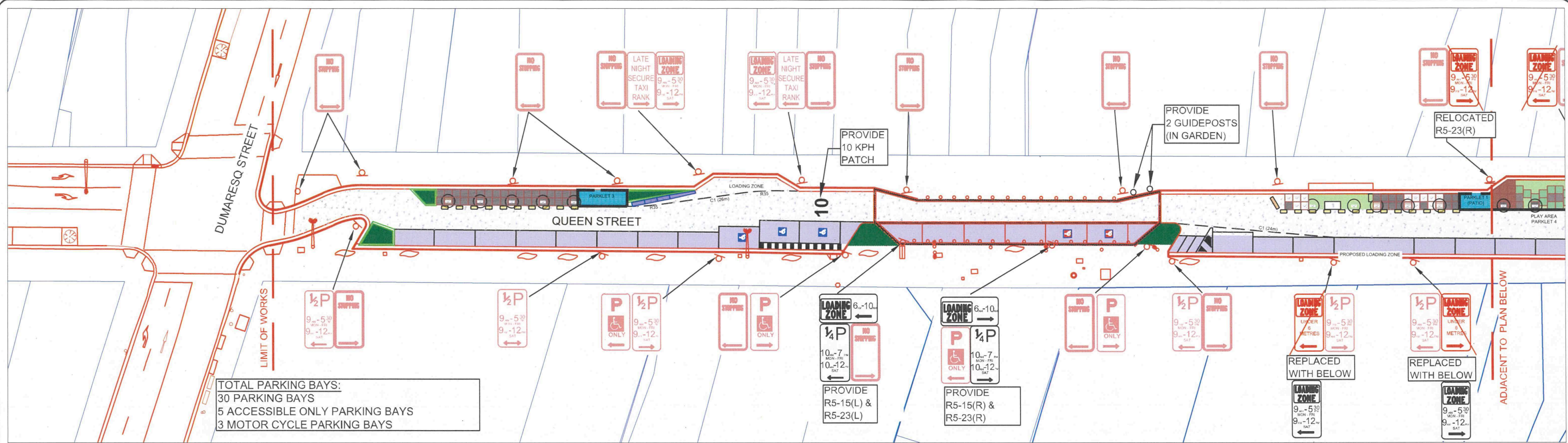


Custom Height End Cap with Street Library Mounting
Conceals the end of the barriers and allows a street library to be easily mounted. 1.2m custom height.

Checked: BRD
B.Simpson
F.Sirc FS
Drawn: [Signature]
A.Hasan

[illegible]

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SIGN KEY



EXISTING SIGN



PROPOSED SIGN

SIGN POSTING PLAN
SCALE 1:150 (A0)



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Signed
Date

Approved
Co-ordinator Traffic & Roads
A.Arora

Signed
Date
24.5.21

Approved
Co-ordinator Open Space
N.Lynch

Signed
Date
19/5/21

Approved
Co-ordinator Place & Projects
N.Robinson

Signed
Date
19/5/21

Checked:
BS,FS

Drawn:
JZ,AH

Designed:
BS,JZ

Surveyed:
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Date:
19/05/21

SCALE (A0)
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Project:

QUEEN STREET, CAMPBELLTOWN

ON Q SHARED STREET SPACES PROJECT

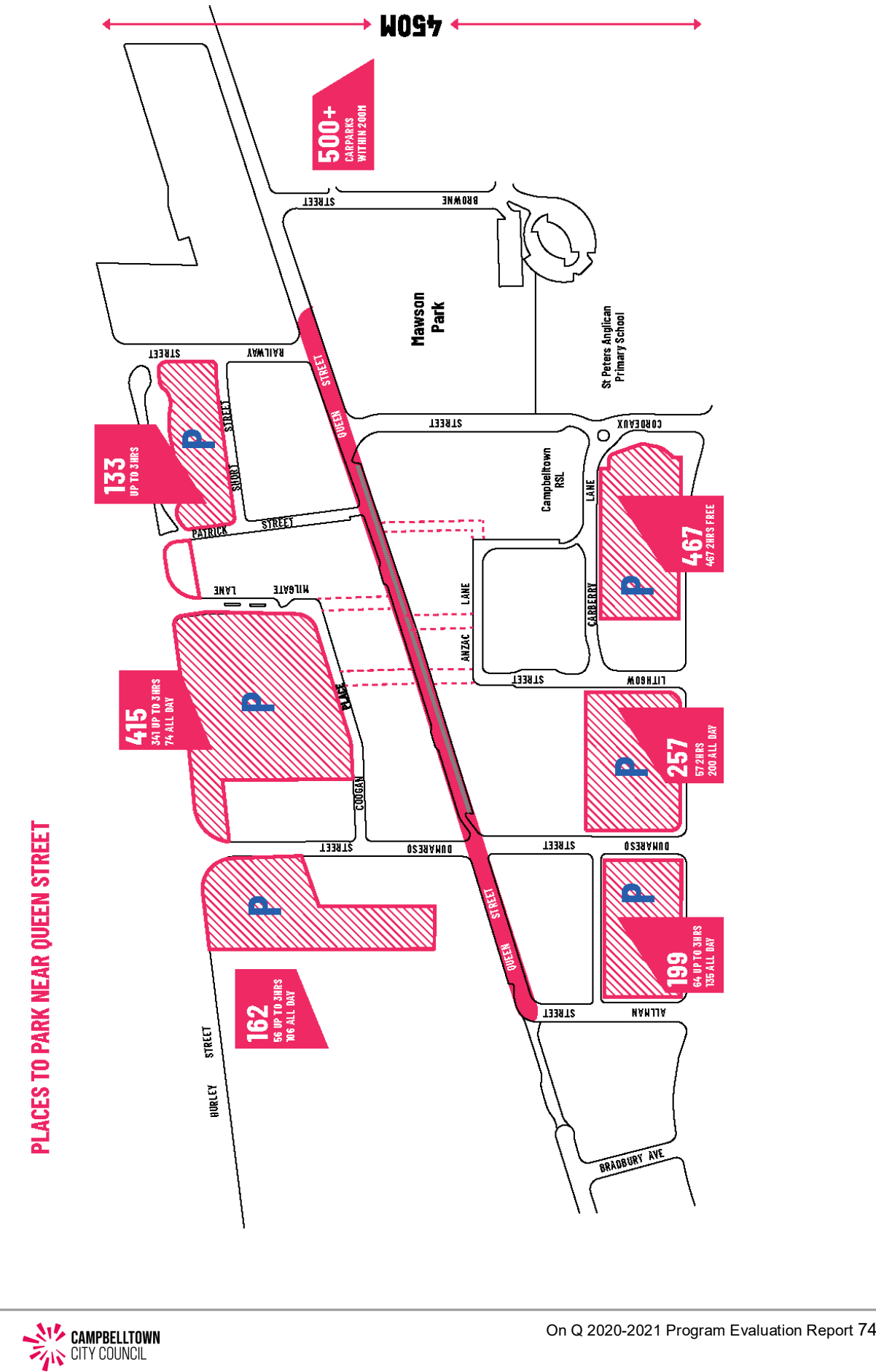
SIGN POSTING PLAN

Sheet no: 5 of 5

Job no: 14403

Checked:
B.Simpson
F.Sirc
Drawn:
A.Hasan

Appendix D: Example of signage informing the community about places to park due to changes in Stage 2



Appendix E: SpendMapp Data information

SpendMapp Data were tagged by the Council's team to indicate which expenditure categories were likely to fall within major shopping centres within the Campbelltown City Centre and On Q Activation area.

In the table below, Spend data are shown in series from March 2019 onwards. Values tagged as yes were then used for correlation analysis between footfall in corresponding buildings, versus all footfall in the precinct in [Section 3.3.4](#) of this document.

Expenditure Category	Shopping_Centre_High	Mar 2019 \$	Apr 2019 \$	May 2019 \$	Jun 2019 \$	Jul 2019 \$	Aug 2019 \$	Sep 2019 \$	Oct 2019 \$	Nov 2019 \$	Dec 2019 \$	Jan 2020 \$	Feb 2020 \$	Mar 2020 \$
Bulky Goods	No	7999705	8118195	8041880	9071802	8012421	9406569	9383184	9756260	9942046	11041655	8461846	7884506	9721707
Department Stores & Clothing	Yes	25143884	26134962	29099155	26923555	24364600	24871550	26476512	28211395	33793346	51028056	26000084	21677464	21112433
Dining & Entertainment	Yes	15796096	14977824	15737436	15764812	18830056	18352415	17450456	18459011	17755420	20076558	18363589	15922748	12362854
Furniture & Other Household Goods	No	4026546	4410466	4945511	5312093	4545423	5025368	4722632	4843340	5483686	5493093	5451738	4105670	4272867
Grocery Stores & Supermarkets	Yes	26549274	24931058	25343581	24242300	25909076	26805155	25318729	26455426	26554614	29938349	25608297	25397529	33286956
Light Industry	No	1216176	1085591	1274152	1293084	1367562	1201846	1343187	1497145	1648203	1155612	1226783	1104954	1245991
Other	No	2157102	2350086	2119621	2213674	2745170	2710342	2305894	1800762	1617869	2064083	1585800	1357880	864163
Personal Services	Yes	4305125	3986969	4319652	3972390	4448612	4498538	4510155	4589755	4688102	5079896	4438658	4300202	3112384
Professional Services	Yes	14307707	12602867	15701403	14102390	15137955	16219294	14063210	15409116	14459675	12256295	12588550	13081827	11665559
Specialised Food Retailing	Yes	6103091	5954664	5927120	5726230	5994959	6579526	5797082	5992982	6024685	9403065	5451639	5547455	7645310
Specialised & Luxury Goods	Yes	14515577	13134309	14676526	14432409	15545726	16361324	15160227	15438874	17116765	24028924	14740548	14070627	17623648
Trades & Contractors	No	341030	354465	414669	385784	360183	349222	391362	373059	386256	451493	277948	338514	356050
Transport	No	10995328	10746334	10801425	11004587	11297292	11488658	10130622	10700816	10751653	10363808	9677701	9738414	10080118
Travel	No	1644962	1360510	1373863	1296598	1477773	1397679	1536362	1323959	1443903	1749231	1106829	1276557	610059

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Image: SpendMapp by Geografia data tagged by alignment to major shopping centres.

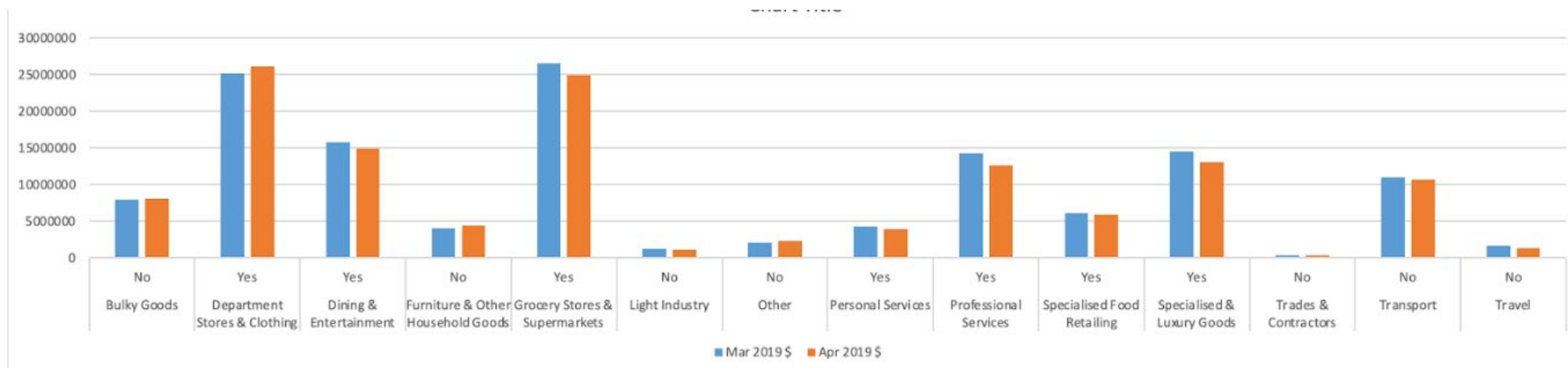


Image: SpendMapp Data tagged by alignment to major shopping centres.

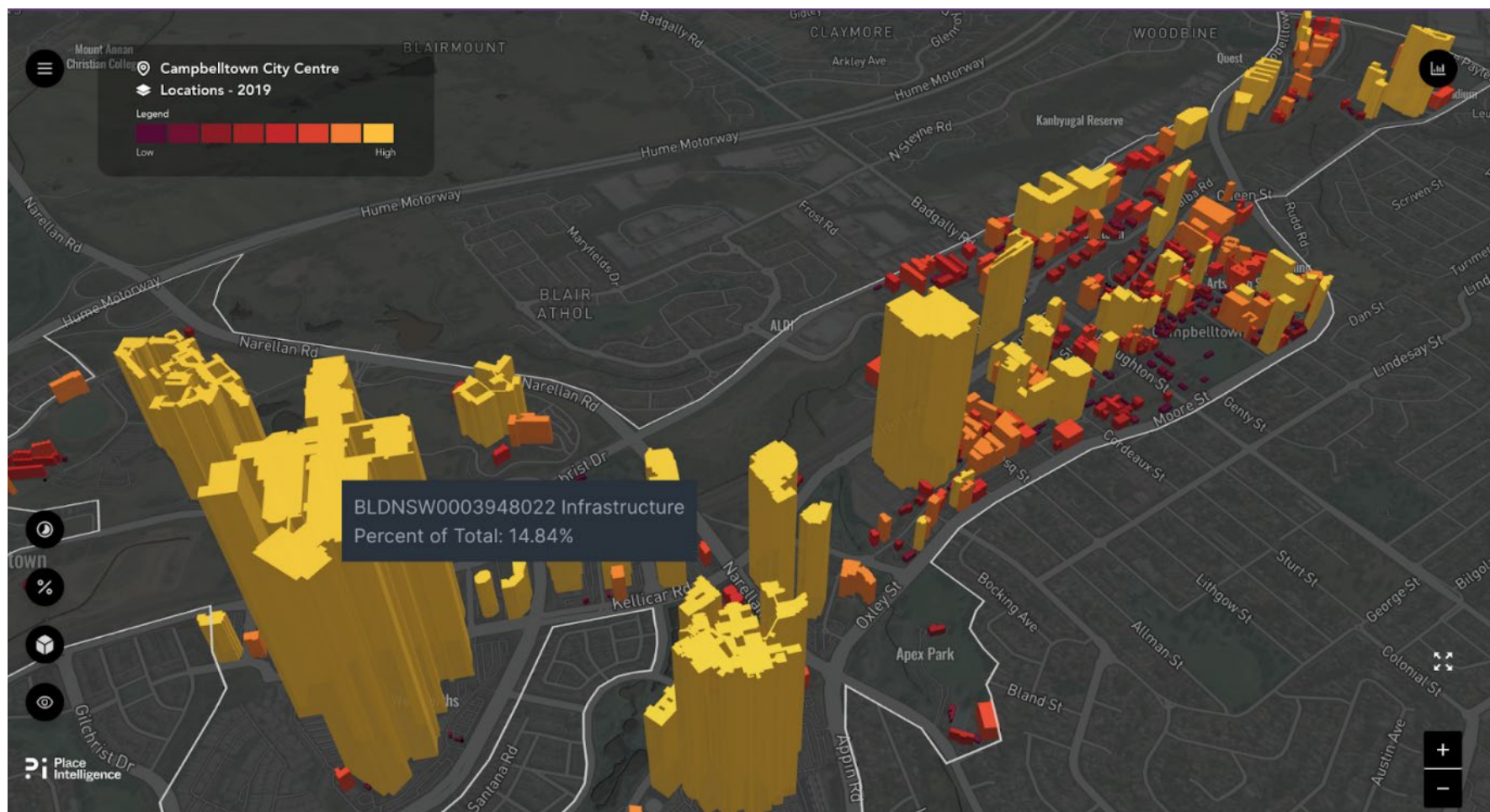


Image: Footfall data from Place Intelligence in Campbelltown City Centre buildings provides time based proportions of all footfall in every building, including shopping centres contained within the SpendMap data set.



