

Australian Human Rights Commissiondisabdis@humanrights.gov.auGPO Box 5218
Sydney NSW 2001

26 November 2021

Ref: GRP/21/7

Dear Australian Human Rights Commission,

**Re: Temporary exemption from the requirements of the Federal
Disability Standards for Accessible Public Transport 2002 ('DSAPT')**

I refer to the email from City of Ryde Council dated 8 April 2021 and the related email response from Disability Discrimination Commissioner dated 13 April 2021. This email was in regards to the DSAPT requirement to upgrade all bus stops to comply with *Disability Discrimination Act (DDA) 1992* before 31 December 2022.

Following the exemption guidelines provided by the Commissioner, City of Ryde Council engaged an accredited access consultant, Morris Goding Consulting (MGAC) to assist with the preparation of an exemption report (refer to the attached report).

In this application, City of Ryde Council seeks a temporary exemption to extend the DDA bus stop upgrade completion date. This temporary exemption would be for a period of five years commencing from the date of this application. Council also seeks clarification on four DDA compliance parameters such as obstructions on access paths, boarding point gradient, illumination for boarding point and kerb height.

Should you require any further information regarding this matter, please contact Council's Senior Coordinator Infrastructure Services, Velu Manohar on 9952 8120.

Yours faithfully,

**Charles Mahfoud**
Manager Assets & Infrastructure



Morris Goding
Access Consulting

City of Ryde Council

Application for Temporary
Exemption from DSAPT for
Bus Stops

Access Report

16 November 2021

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1. Executive Summary

1.1 Introduction

The Applicant, City of Ryde Council, is a metropolitan local council in New South Wales. The Applicant supplies and maintains within its jurisdiction multiple bus stops that serve public bus services. The Applicant is required to meet the specifications of the Federal Disability Standards for Accessible Public Transport 2002 at each of these bus stops.

On its present projections the Applicant is of the view that it will not meet the requirement for 100 per cent of the bus stops that it supplies and maintains as meeting all of the design requirements of DSAPT by 31 December 2022.

The Applicant seeks a temporary exemption of five years' duration from compliance with the requirements of DSAPT for the bus stops that it supplies and maintains. This report has been prepared to outline and consider this application.

1.2 Basis of application

The Applicant seeks this temporary exemption given the following:

First, the Applicant has sought out opinion from key stakeholders. Although obvious access issues have been identified at some bus stop locations, on balance and in general, the level of functionality is tolerable. People with disability and their carers have developed transport strategies to meet their needs in the short term while the upgrade rollout continues (albeit delayed).

Secondly, the Applicant has been constrained in the timeliness of its bus stop upgrade program by multiple factors which are elaborated on in this report. The Applicant takes seriously its responsibilities to play its part in enabling public bus journeys that are suitable for people with a disability.

Thirdly, the Applicant has developed, and is presently implementing, a comprehensive upgrade plan to address compliance. The plan has been developed under a methodology to actively identify the bus stops that will most significantly impact and benefit residents with a disability. These locations have been prioritised for upgrade, all the while maintaining flexibility in the process to respond to community input.

Finally, the Applicant is developing a four-year Disability Inclusion Action Plan (2022-2026, currently in the consultation phase) in consultation with a specialist advisory working group. This plan will assist to inform the Applicant of the most appropriate way forward for access to public transport infrastructure within its jurisdiction, including bus stops. This plan will assist to refine the aforementioned bus stop upgrade plan and program.

1.3 Contacts

The Applicant welcomes questions and feedback on this application. Below are details of key contacts.



Contact	Position	Email address
Vimal Vinodan	Senior Infrastructure Services Engineer	[REDACTED]
Velu Manohar	Senior Coordinator, Infrastructure Services	[REDACTED]
Daniel Carneiro	Senior Coordinator, Asset Integration	[REDACTED]
Charles Mahfoud	Manager, Assets and Infrastructure	[REDACTED]

2. Introduction

2.1 Background

City of Ryde Council has engaged Morris Goding Access Consulting ('MGAC') to provide an access report in relation to the public bus stops that it supplies and maintains within its jurisdiction.

MGAC is the largest accessibility consulting practice in Australia. MGAC provides functional and technical advice with respect to accessibility and inclusion, human movement, the Disability Discrimination Act, the National Construction Code, and Universal Design principles. MGAC is led by directors Nick Morris OAM and David Goding. MGAC has provided access consulting services for over 20 years for projects across Australia. MGAC has offices in Sydney, Melbourne, Brisbane, Wollongong, and Perth.

The purpose of this access report is to provide detail and discussion for an application by City of Ryde Council to the Australian Human Rights Commission for a temporary exemption from the requirements of the Federal Disability Standards for Accessible Public Transport 2002 ('DSAPT').

The scope of the temporary exemption would specifically be in relation to the completion of upgrade works at the bus stops that City of Ryde Council supplies and maintains in accordance with the target dates that are prescribed by DSAPT.

2.2 Scope and structure of report

The access report is structured as follows.

In Chapter 3 the report will state the application for a temporary exemption and the legislative basis for this application.

In Chapter 4 the report will outline the scope of this application for a temporary exemption.

In Chapter 5 the report will discuss whether an exemption is necessary.

In Chapter 6 the report will discuss why the temporary exemption will be consistent with the Objects of the Federal Disability Discrimination Act. It also provides background information explaining the factors affecting compliance progress to date, and also the outcome of community stakeholder discussions being the persons impacted on the delay to compliance progress.

In Chapter 7 the report will set out proposals for terms and conditions to which a temporary exemption could be subject.

In Chapter 8 the report will present four questions for which the Applicant seeks the advice of the Commission.

2.3 Limitations

The scope of this report is limited to an assessment of the merits of the application for a temporary exemption in the terms described above. It does not purport to provide an assessment of compliance for any other circumstance beyond this scope, and is not to be interpreted as such. No liability is accepted for the accuracy of information that was supplied to MGAC for the purposes of this assessment. Any change in the material circumstances discussed in this report can and may void the advice contained herein.

3. Application for temporary exemption

3.1 Application

The Applicant, City of Ryde Council, applies to the Australian Human Rights Commission ('the Commission') for grant of a temporary exemption from the Disability Standards for Accessible Public Transport 2002 ('DSAPT'). This application is with respect to the bus stops that the Applicant supplies and maintains within its jurisdiction.

On its present projections the Applicant is of the view that it will not meet the requirement under DSAPT for 100 per cent of the bus stops that it supplies and maintains as meeting all of the design requirements of DSAPT by 31 December 2022.

With this in mind the Applicant seeks a temporary exemption from the requirement to meet 100 per cent of the design requirements of DSAPT on or before the target dates that are prescribed by DSAPT. This temporary exemption would be for a period of five (5) years commencing from the date of this application.

The Applicant has not made any previous applications to the Commission for a temporary exemption in relation to any of the substantive matters contained in this report.

3.2 Legislative basis for temporary exemption

This application is made pursuant to the Federal Disability Discrimination Act 1992 ('DDA'). The objects of the DDA include:

'to eliminate, as far as possible, discrimination against persons on the ground of disability in the areas of: ... access to premises ... and the provision of ... services.'¹

The DDA provides that:

'Commission may grant exemptions

(1) The Commission may, on application by:

(a) a person:

- (i) on that person's own behalf; or
- (ii) on behalf of that person and another person or other persons; or
- (iii) on behalf of another person or other persons; or

(b) 2 or more persons:

- (i) on their own behalf; or
- (ii) on behalf of themselves and another person or other persons; or
- (iii) on behalf of another person or other persons;

¹ DDA section 3(a).

by instrument grant to the person or persons to whom the application relates, as the case may be, an exemption from the operation of a provision of Division 1 or 2, as specified in the instrument.²

The application is also made pursuant to DSAPT itself. The purpose of DSAPT is stated as follows:

'Purpose of Standards

- (1) The Disability Discrimination Act 1992 seeks to eliminate discrimination, 'as far as possible', against people with disabilities. Public transport is a service covered by the Disability Discrimination Act 1992.
- (2) The purpose of these Standards is to enable public transport operators and providers to remove discrimination from public transport services.³

DSAPT provides that:

'Commission may grant exemptions

(1) The following persons may apply to the Commission for an exemption:

(a) a person:

- (i) on the person's own behalf; or
- (ii) on behalf of the person and another person or other persons; or
- (iii) on behalf of another person or other persons;

(b) 2 or more persons:

- (i) on their own behalf; or
- (ii) on behalf of themselves and another person or other persons; or
- (iii) on behalf of another person or other persons.

(2) After receiving an application under subsection (1), the Commission may grant the person or persons to whom the application relates an exemption from compliance with some or all of these Standards.⁴

² DDA section 55(1).

³ DSAPT Part 1.2

⁴ DSAPT Part 33A.1.

4. Scope of application

4.1 About the Applicant

The Applicant, City of Ryde Council, is a local council that is located within the Sydney metropolitan area in the state of New South Wales. The extents of the City of Ryde Council Local Government Area ('LGA') are indicated in Figure 1 below.

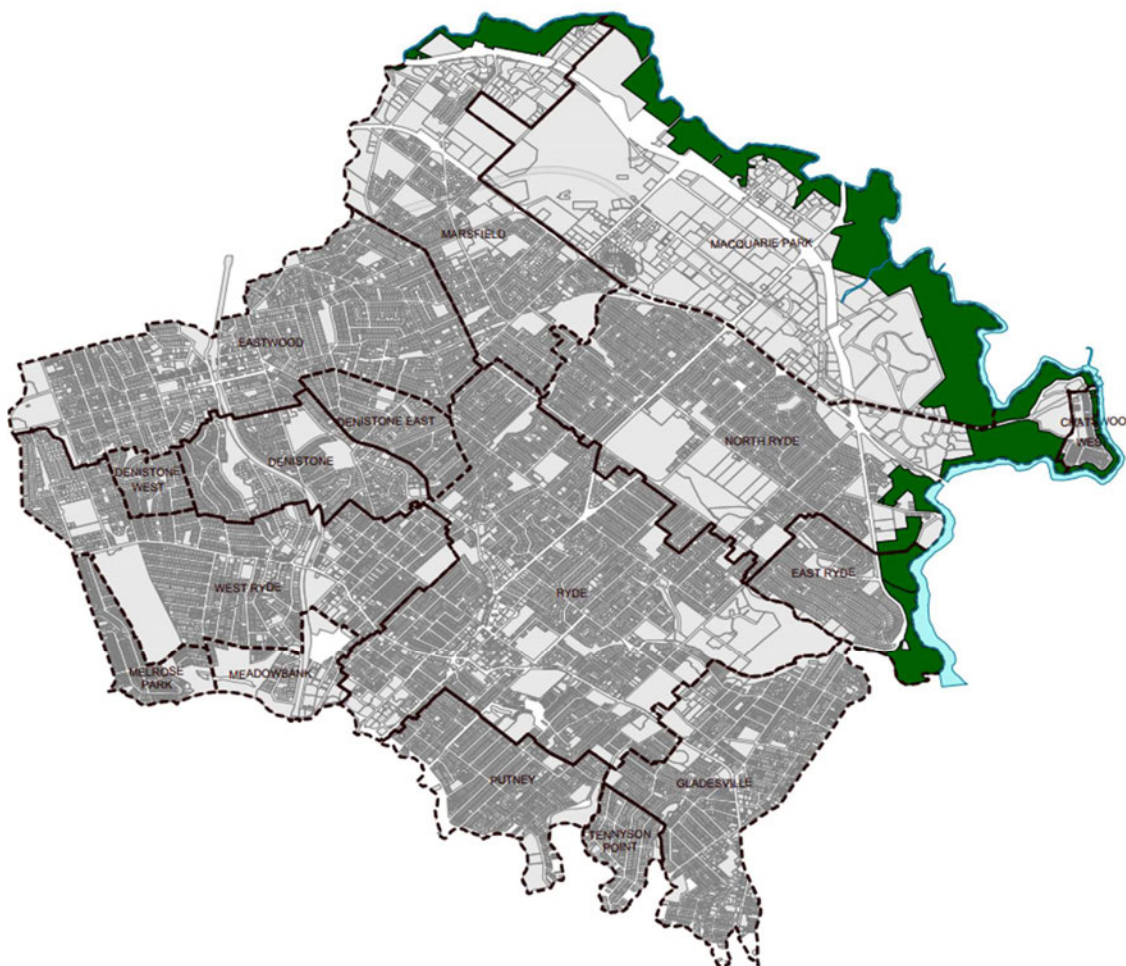


Figure 1: Indicative map (not-to-scale) of the extents of the City of Ryde LGA. Source: City of Ryde Council

The extents of the City of Ryde Local Government Area include the following suburbs: Chatswood West (part), Denistone, Denistone East, Denistone West, East Ryde, Eastwood (part), Gladesville (part), Macquarie Park, Marsfield, Meadowbank, Melrose Park (part), North Ryde, Putney, Ryde, Tennyson Point and West Ryde.

Some key demographic statistics of the City of Ryde LGA are as follows:

- The LGA has a population of approximately 133,224 residents.⁵
- The LGA is approximately 40.65 sq kms in size⁶ and contains 723 public bus stops.
- Approximately 16 per cent of residents are aged 65 or older (based on Australia wide statistics).⁷
- Approximately 18 per cent of residents have a disability (based on Australia wide statistics).⁸
- Approximately 6.0 per cent of residents in the LGA travel to work by bus.⁹

4.2 Responsibilities of the Applicant under DSAPT

DSAPT applies to providers of transport infrastructure.¹⁰ The Applicant supplies and maintains within its jurisdiction multiple bus stops that serve public transport bus services. To this extent the Applicant would be considered a provider of public transport infrastructure.¹¹

DSAPT prescribes a series of target dates by which certain elements of existing public infrastructure are to be upgraded to meet the corresponding design and performance requirements in DSAPT.¹² DSAPT assigns responsibility to meet these target dates to the providers of public transport infrastructure.¹³ It follows that the Applicant is bound to meet these target dates with respect to the bus stops that it supplies and maintains.

DSAPT states that by the target date of 31 December 2022, 'All public transport services are to fully comply with the relevant Standards'.¹⁴ This is inclusive of public transport infrastructure.¹⁵

4.3 Scope and duration of exemption sought

The Applicant supplies and maintains a total of 723 bus stops within its jurisdiction. The Applicant has conducted an audit and assessment of those bus stops. The Applicant has also given consideration to its capacities to provide upgrades.

⁵ As at 30 June 2020; see City of Ryde 2021. *City of Ryde: population*, <https://economy.id.com.au/ryde/population> (accessed 26 September 2021).

⁶ City of Ryde <https://www.ryde.nsw.gov.au/Living-in-Ryde/About-Ryde/City-Profile>

⁷ ABS – Disability, Ageing and Carers, Australia: Summary of Findings <https://www.abs.gov.au/statistics/health/disability/disability-ageing-and-carers-australia-summary-findings/latest-release> (released 24 October 2019).

⁸ Ibid.

⁹ City of Ryde 2021. *City of Ryde: Local workers - Method of travel to work - All industries*, <https://economy.id.com.au/ryde/workers-travel-to-work> (accessed 26 September 2021)

¹⁰ DSAPT Part 1.4(2).

¹¹ Applying DSAPT Parts 1.18(1) and 1.22(1).

¹² DSAPT Schedule 1.

¹³ DSAPT Part 33.2.

¹⁴ DSAPT Schedule 1.

¹⁵ Ibid.

On its present projections the Applicant is of the view that it will not meet the requirement for 100 per cent of the bus stops that it supplies and maintains as meeting all of the design requirements of DSAPT by 31 December 2022.

The scope of the exemption would pertain to all DSAPT requirements for the bus stops within the Applicant's jurisdiction to the extent set out in Schedule 2 to this report.

The length of the period of exemption would be five (5) years, commencing from the date of submission of the present application.

5. Whether an exemption is necessary

5.1 Preface

The Applicant understands that when considering an exemption from the provisions of the DDA or DSAPT a threshold question would be whether an exemption is necessary. This chapter of this report considers various criteria for this threshold question.

5.2 Whether there is an arguable question of discrimination

DSAPT are disability standards that were made pursuant to the DDA.¹⁶ The purpose of DSAPT is ‘to enable public transport operators and providers to remove discrimination from public transport services.’¹⁷ Under the DDA it is unlawful for a person to not meet a disability standard.¹⁸

The subject matter of this application is the timeliness of the Applicant in upgrading the public bus stops that it supplies and maintains in accordance with the target dates that are set by DSAPT.¹⁹ A failure on the part of a transport provider to meet those target dates would be a breach of DSAPT, being a disability standard that was made pursuant to the DDA.

Given the above it is submitted that there would be a question of discrimination contrary to the DDA to be considered here.

5.3 Whether any permanent exemptions can be applied

The DDA allows for the granting of permanent exemptions under certain circumstances – namely, for superannuation and insurance,²⁰ and for combat duties and peacekeeping services.²¹ The subject matter of the present application would not fall within any of the above circumstances.

5.4 Whether the ‘special measures’ provisions can be applied

Section 45 of the DDA makes provisions for an act to not be unlawful if that act is reasonably intended to benefit or provide opportunities for people with a disability in particular.

The issue here is the ability of the Applicant to upgrade the bus stops that it supplies and maintains to meet the design requirements of DSAPT in accordance with the target dates that are set by DSAPT. The Applicant is not intending to provide special measures to benefit

¹⁶ DDA section 31.

¹⁷ DSAPT Part 1.2(2).

¹⁸ DDA section 32.

¹⁹ DSAPT section 33.2; Schedule 1.

²⁰ DDA section 46.

²¹ DDA section 53(1).



people with a disability at any of the bus stops that it supplies and maintains. The Applicant therefore submits that this aspect of the DDA is not relevant to the present circumstances.

6. Consistency with the Objects of the DDA

6.1 Objects of the DDA

The objects of the DDA are reproduced in their entirety below:

'The objects of this Act are:

- (a) to eliminate, as far as possible, discrimination against persons on the ground of disability in the areas of:
 - (i) work, accommodation, education, access to premises, clubs and sport; and
 - (ii) the provision of goods, facilities, services and land; and
 - (iii) existing laws; and
 - (iv) the administration of Commonwealth laws and programs; and
- (b) to ensure, as far as practicable, that persons with disabilities have the same rights to equality before the law as the rest of the community; and
- (c) to promote recognition and acceptance within the community of the principle that persons with disabilities have the same fundamental rights as the rest of the community.'²²

The Applicant is seeking an exemption from DSAPT design requirements to be met at 100 per cent of the bus stops that it supplies and maintains by the prescribed target date of 31 December 2022. The Applicant seeks an exemption to continue upgrading bus stops to meet this requirement beyond the target date.

The Applicant submits that even though it will take longer for the 100 per cent level to be reached, the measures that it proposes will not diminish the rights of people with disabilities in its constituency. This is based on the following:

- Priority planning and delivery of bus stop upgrades targeted to disability movement, for immediate and widespread impact
- Updated Disability Inclusion Action Plan informing the process (with working group assembled from people with lived disability experience)
- Improved communications and feedback mechanisms to inform the process, including the flexibility to adjust the rollout plan in response

The Applicant further submits that it will put into place measures that will promote recognition and acceptance of the rights of people with disabilities in accordance with the Objects of the DDA. The Applicant proposes the following measures:

- Community wide presentations and promotions of the project, its importance, objectives and progress
- Assembling the Disability Inclusion Action Plan working group with people with lived disability experience
- Targeted communications with Retirement and Aged Care facilities, education providers, disability support organisations, community centres, transport operators, social and low income housing providers and the like

²² DDA section 3.

6.2 Factors affecting compliance progress

To date the Applicant has conducted extensive upgrades to the bus stops that it supplies and maintains (over 300 have been upgraded). There have however been multiple factors that have affected the capacity of the Applicant to meet the compliance requirements for the bus stops within the prescribed schedule. The principal factors are discussed in turn below.

Existing topography

DSAPT requires the flooring at the boarding point of a bus stop to be 'firm and *level*'.²³ This requirement is readily achievable on land that is already level.

The existing topography of the City of Ryde LGA is, however, not level. The extents of the LGA include the steep riparian zones along the Parramatta River to the south and along the Lane Cove River to the east and north. The extents of the LGA also include naturally hilly areas in the majority of the constituent suburbs, such as in Macquarie Park and North Ryde. The Applicant supplies and maintains numerous bus stops in all of those areas.

The requirement for level boarding point is achievable if there is scope for the land upon which a given bus stop is located to be excavated and re-built to be 'level'. This however is not always a practical possibility. The flooring of the bus stops would typically and practically follow the existing grade of the adjacent roadway and kerb. To change the flooring of the bus stops would require changing the gradient of the roadway and kerb, or else the conditions of the adjacent lots, or all of the above. Such modifications would frequently be implausible and excessive and grounds for unjustifiable hardship. There may be environmental and technological factors making such a proposal unsound (e.g. for drainage or inground services issues) or fraught with legality and ownership issues (such as for roadways and kerbs which are not under the Applicants ownership but nonetheless have a fundamental influence on the potential for accessibility at any given bus stop location).

This issue is elaborated on in detail within Section 8.3 of this report and explains in part the reduced compliance progress on sites which are naturally steep and challenging. The Applicant is also aware of the ongoing review of DSAPT, with the 2017 review delayed and set to be reported on in late 2021. It is hoped that submissions to the process addressing topography issues are reflected in a revised and modernised DSAPT.²⁴

²³ DSAPT Part 8.1(1), emphasis added.

²⁴ Australian Government – Department of Infrastructure, Transport, Regional Development and Communities <https://www.infrastructure.gov.au/infrastructure-transport-vehicles/transport-accessibility/reviews-disability-standards-accessible-public-transport-2002>

Legacy infrastructure

The vast majority of the bus stops within the City of Ryde LGA are legacy infrastructure. The City of Ryde itself was established some 150 years ago. The locations of the bus stops pre-date the entry into effect of DSAPT by many decades. Further, the design of the bus stop infrastructure pre-dates the accessibility criteria of DSAPT.

This has meant that, rather than starting building bus stops from scratch (and adopting the sound and considered planning principles of TfNSW *Guidelines for Public Transport Capable Infrastructure in Greenfield Sites*), the Applicant has had to assess and modify its existing infrastructure in a piecemeal fashion.

It is noted that legacy infrastructure as a broad issue is closely related to the above point concerning existing topography. As such this issue is elaborated on in detail within Section 8.3 of this report and explains in part the reduced compliance progress on sites which are naturally steep and challenging. The Applicant is also aware of the ongoing review of DSAPT, with the 2017 review delayed and set to be reported on in late 2021. It is hoped that submissions to the process addressing topography issues are reflected in a revised and modernised DSAPT.²⁵

Coordination and direction from State authorities

As a local government authority the Applicant seeks to collaborate with the relevant State authorities in the provision of public transport services and infrastructure wherever possible. This would include with respect to planning and coordination, the ordering of priority areas, resource allocation, mutual feedback, and formulation and compliance with guidelines. The Applicants Disability Inclusion Action Plan (DIAP) aims to be well aligned with the Transport for NSW DIAP in this regard.

In practice however the degree of coordination with state authorities has been lower than would be desirable. This has resulted in delays and understanding of needs and priorities. This in turn has impacted the Applicant's ability to meet the DSAPT target dates.

Council amalgamations

During the period of 2015-2016 the state of NSW considered possibilities for amalgamations of local councils. The possibility of an amalgamation between the City of Ryde and another LGA created uncertainty for the Applicant. Of most relevance here it affected the ability for the Applicant to plan with certainty the remaining phases of the bus stops upgrades.

At the end of the investigation period it was decided that no amalgamation was to be adopted for the City of Ryde. The result of this was an *18-month delay* in the program for upgrade to bus stops.

²⁵ Ibid.

Covid-19 pandemic

In more recent times the Applicant has been affected by the Covid-19 pandemic, starting from early in the year 2020 to the present day. In this sense the Applicant is in a position not dissimilar to other providers and operators of public transport.

For the Applicant the pandemic has meant a significant impact on funding and budgetary commitments. This has been due in part to reductions in revenue from developer levies. The Covid-19 pandemic has also meant restrictions in the availability of contractors for the construction of upgrade works for bus stops. Reduced mobility due to the pandemic and lockdown measures have impacted the Applicants ability to refine the upgrade roll out plan through further study and engagement with the community on priority issues and locations.

Progress of other Agencies and Jurisdictions

To MGAC knowledge the Applicant is the first jurisdiction, or among the earliest jurisdictions to concede a timing issue in the upgrade of bus stops to the DSAPT timeline. A cursory assessment of bus stops Australia wide reveals that there are responsible jurisdictions and agencies, numbering in the hundreds, who are clearly behind in their upgrade timeline. For example MGAC is aware of TfNSW auditing of bus stops in certain locations as recently as late 2020. The void in leadership, overall hesitancy, lack of concerted action, and uncertainty while awaiting outcomes of DSAPT modernisation, has impacted the Applicants approach to and ability to meet the DSAPT target dates. In preparation and submission of this application the Applicant is to be praised for their leadership on this issue.

6.3 Views of affected stakeholders

The ability of the Applicant to reach the DSAPT target dates would have an effect on key stakeholders in the community. The Applicant sought out the views of such stakeholders. The full list of community stakeholder organisations from which feedback was sought is contained in Schedule 1 to this report.

The community stakeholder organisations consulted with provide support services and advocacy for (but not limited to) the following individuals:

- People with mixed mobility levels and their carers (wheelchair users, people with walkers or other walking aids)
- Elderly people and their carers including those individuals living with dementia
- People with sensory impairments, such as vision and hearing, including people with aphasia
- People with cognitive impairments and their carers
- People with behavioural disorders and their carers
- People with Cerebral Palsy

It was considered that this approach provided a reasonable sample of a range of disabilities in the Ryde LGA community.

The feedback received has been paraphrased and reorganised and blended into a series of main categories as follows.

Frequency of service and the coverage of routes

Common feedback was received concerning the poor availability of timetabled services, including cancellations and the abandonment of certain routes. This had an impact on the sense of independence of certain people with disability. In some cases those individuals had to resort to the assistance of a carer, or understood that their excursion would be unnecessary lengthy due to waiting times between services (this was a particular concern in summer months due to exposure). These issues were somewhat mitigated by the excellent assistance offered by many drivers.

People that raised the above issues noted that the design of the stops, and any apparent deficiencies, were not a major concern and did not impact on their use of the transport service.

It is noted that transport routes and frequency of services are not the responsibility of the Applicant under DSAPT.

Adequacy of stops

Feedback received reconfirmed the importance of unencumbered access to bus stops, the evenness and quality of surface finish, and manageable slopes and gradients. There was general consensus that on balance most stops in the area provide adequate functionality and stops with major access issues are in the minority. There was also an acknowledgement of the role that topography plays in the accessibility of certain stops. It was found through feedback that people are making planned decisions about destinations and will not actively seek a destination where the general topography surrounding the stop is known to be unmanageable (e.g. a major shopping centre may be surrounded by several bus stops but there is likely to be a preferred bus stop that provides the best access alternative to the shopping centre entrance).

Comment was also made that timetable information displayed at stops is sometimes difficult to read or comprehend, and there is a lack of real time information on the progress of the service.

In spite of the issues raised the feedback indicated that there is a sense of acknowledgement of the upgrade program occurring in the background. For example a resident commented that earlier access issues identified at a key bus stop location (at Top Ryde) have since been rectified.

It is noted that issues concerning the publication of timetables and other information at stops are not the responsibility of the Applicant under DSAPT.

Waiting experience

A wide range of quality feedback was received relating to the experience of waiting for the transport service at the stops, and this would appear to be the main concern for the majority of passengers.

Shelter coverage was frequently cited. A common issue (although not necessarily widespread) is the lack of shelters altogether at some locations, the obvious issues being exposure to sun, wind and rain. Often a shelter is in position but due to its design it does not provide adequate coverage, or the coverage intent is limited and short-sighted (e.g. the shelter may only be sized for the bench seat under meaning wheelchair waiting space is outside the outline of the shelter). Positive feedback was received praising the functionality of recent installations of modern shelters.

Lack of seating, with or without a shelter, is a key issue as waiting times for the service are often unpredictable. The fatigue factor is a major concern for some people who have already expended energy to reach the stop location. Even stops with seating are sometime unusable if wetted by recent rain (including some under cover by shelters). It was also noted that seating is sometimes positioned in a hazardous location that can dissuade their use (such as within retail precincts under building awnings where they are placed at the road edge to prioritise open shopfronts).

It is noted that the provision of shelters and seating is not an essential responsibility of the Applicant under DSAPT. However the Applicant is making every effort to provide shelters and seats at bus stops where possible.

Alternative transport

Some feedback received noted that there are disabled members of the community who, for a variety of reasons, actively avoid transport by bus. This was not a reflection of the adequacy of bus stops in the area. Rather this is an acknowledgement that there is sound reasoning for other preferred modes of transport.

For example there are people with a mobility impairment with a carer who have the availability and convenience of private transport. This is sometimes linked to the severity of that individuals disability which can make travel by bus impossible. In other cases buses were avoided in favour of the use of taxi and train due to that individuals particular cognitive and/or behavioural issues which made the experience of travel by bus too challenging. Another simple explanation is that wheelchair users cannot effectively reach the bus stops because of the challenges in using the connecting infrastructure, such as pathways on steep roads. In these case other transport modes are favoured.

7. Proposed terms and conditions

7.1 Introduction

The Applicant understands that the Commission has the discretion to set terms and conditions for the grant of any exemption from DSAPT.

The Applicant respectfully submits for the consideration of the Commission the following terms and conditions for any exemption from DSAPT.

7.2 Bus stop upgrade plan

The Applicant would commit to a comprehensive plan to the bus stops that it supplies and maintains as described in Schedule 2 to this report. This process has already started. The Applicant would commit without exception to this plan.

The plan has been developed by the Applicant to actively identify the bus stops that will most significantly impact residents with a disability and then prioritise those bus stops for upgrade.

The prioritisation methodology can be generally described as follows:

1. *Access to key centres, facilities and amenities.* Stops which service essential key centres and facilities, such as retail, education, healthcare, and community centres will be prioritised. Locations known to accommodate persons with disability such as retirement and aged care facilities, disability support service providers and social and affordable housing centres will also be prioritised.
2. *Patronage data.* Stops with the highest usage (informed by Opal data) will be prioritised in order to allow the upgrade benefits to flow through to the widest segment of the community as quickly as possible.
3. *Upgrade cost.* Stops with the most affordable costs to upgrade will be prioritised in order to allow the largest number of stops to fit within the earliest budget cycles.
4. *Metro route.* Stops associated with a Metro route are prioritised in order to complete the accessible interchange experience for the community as early as possible.
5. *Existing gradient.* Stops with shallow existing gradient are given priority given these locations are already likely to be favoured by individuals with mobility issues.

A representation of the effectiveness and merit of the above described upgrade plan can be seen in Schedule 4 to this report. This map provides a graphic overlay of the location and distribution of 223 bus stops near key facilities to be upgraded before 31 December 2022.

7.3 Continuing customer and community engagement

The Applicant would commit to continuing to receive regular feedback from customers on the efficacy of its bus stops. If and when there is a critical mass requesting upgrade to a particular bus stop the Applicant commits to fast-tracking that upgrade to meet DSAPT.

7.4 Disability Inclusion Action Plan and Working Group

The Applicant would commit to the development and adoption of a new four-year Disability Inclusion Action Plan 2022-2026. This process has already started.²⁶

To aid the development of this plan the Applicant will establish a working group of 6 to 10 members, to be known as the 'Disability Inclusion Action Plan Working Group.'²⁷

It is proposed for the terms of reference of this group to require not less than three of the group's membership to include people with lived experience of disability.²⁸ It also proposed for the group's membership to include not less than three individuals that are either disability carers, service providers, community members, or people with specialist knowledge.²⁹ It is noted that a key focus area for the group is to include the provision of input on access to transport.³⁰

This group and the proposed plan will provide specialist input for the Applicant in its policies and procedures around disability. It will sharpen the Applicant's appreciation for disability needs and awareness. The Applicant intends to make use of both this plan and the specialist input to inform its approach to the provision of access to the Applicant's infrastructure, including its bus stops.

In accordance with the NSW Disability Inclusion Action Plan guidelines, the Applicants new DIAP, when complete, will be submitted to the NSW Disability Council and Department of Community and Justice.

The Commission would be welcome to contact the Applicant in relation to this plan.

7.5 Measures proposed to minimise or reduce any hardship

The Applicant would commit to the following initiatives to minimise and reduce hardship for members of the community when accessing bus services. This is in parallel with the upgrade rollout.

Communications and Education

The Applicant will promote the access upgrade plan by the following methods:

- Website home page banner link
- Printed ratepayer mail brochures (an article within the standard newsletter)

²⁶ City of Ryde 2021. *City of Ryde Disability Inclusion Action Plan Working Group: Expressions of Interest* <https://www.ryde.nsw.gov.au/Community/Social-Inclusion/EOI-City-of-Ryde-Disability-Inclusion-Action-Plan-Working-Group> (accessed 30 September 2021).

²⁷ Ibid.

²⁸ City of Ryde 2021. *Terms of Reference – Disability Inclusion Action Plan Working Group*, <https://www.ryde.nsw.gov.au/files/assets/public/advisory-committees/disability-inclusion-action-plan-consultative-committee-terms-of-reference.pdf> (accessed 26 September 2021)

²⁹ Ibid.

³⁰ Ibid.

- Specific printed information mailed to Retirement and Aged Care facilities, education providers, disability support organisations, community centres, transport operators, social and low income housing providers etc.
- Information at Council offices
- Letterbox drop at residences affected by an impending upgrade (and likely temporary closure of a bus stop)

This information in the above will cover:

- Background and intent
- Rollout progress
- Upcoming locations for upgrade
- A variety of feedback options (including for the below “Report an Issue” function)

The information will be updated at reasonably frequency.

Reporting of Issues

The Applicant will modify the current “Report an Issue” functionality of its website to include a category for “Bus Stop Accessibility”. The introduction of this added functionality will be included and publicised in the documentation from the aforementioned section. Feedback from this source will flow through to the bus stop upgrade plan for consideration and implementation.

Orientations

The Applicant will allow for orientations on a request basis, where considered the most suitable response to a feedback issue e.g. a resident concerned by the temporary closure of a stop during its upgrade.

8. Questions to the Commission on compliance with DSAPT

8.1 Preface

In the Applicant's experience there are aspects of the design requirements of DSAPT for bus stops that are uncertain in their application in practice. This uncertainty has had, and continues to have, a material impact on the assessment, design, and delivery of the upgrades of the bus stops that are supplied and maintained by the Applicant.

The Applicant is keen to not provide unsuitable outcomes in its pursuance of DSAPT compliance at the bus stops that it supplies and maintains. To aid the appropriate delivery of compliance with DSAPT the Applicant respectfully seeks the Commission's view on four questions on the application of DSAPT.

The Applicant maintains that following exhaustive auditing and consideration of upgrade potential at all locations, that full technical compliance with the background DSAPT requirements behind these questions is not achievable at all locations. Aside from seeking the view of the Commission on these points the Applicant is also aware of the ongoing review of DSAPT, with the 2017 review delayed and set to be reported on in late 2021. It is hoped that submissions to the process addressing the substantive matters behind the following questions are reflected in a revised and modernised DSAPT.³¹

8.2 Question 1: Obstructions on a path of travel at a bus stop

The issue

DSAPT requires the provision of 'access paths' for pedestrians at a bus stop.³² DSAPT requires those access paths to comply with specific provisions of AS1428.2.³³ All such clearances must not be encroached upon by permanent fixtures. This would be inclusive of the bus stop pole and any bus stop shelter or seating element.

Figure 2 shows a hypothetical example of a bus stop that includes a bus stop shelter. It is assumed that all clearances between fixtures at this hypothetical bus stop comply with DSAPT.

³¹ Australian Government – Department of Infrastructure, Transport, Regional Development and Communities <https://www.infrastructure.gov.au/infrastructure-transport-vehicles/transport-accessibility/reviews-disability-standards-accessible-public-transport-2002>

³² DSAPT Part 2.

³³ See, inter alia, DSAPT Parts 2.1, 2.2, 2.4, 3.1, 4.1, and 4.2.

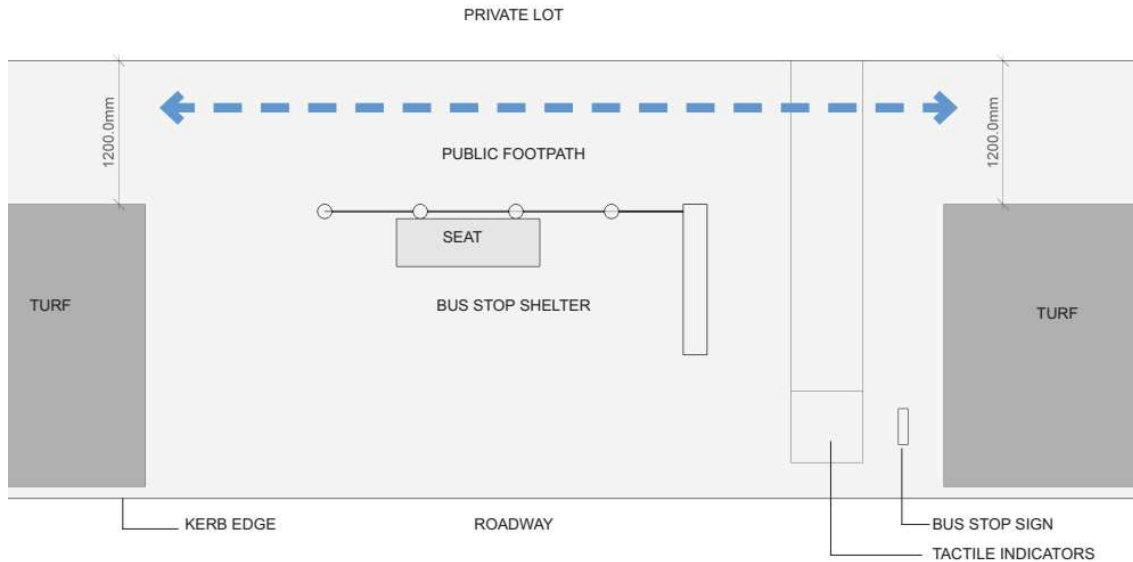


Figure 2: Plan view (not-to-scale) of a hypothetical example of a bus stop. (Image source: MGAC)

In the above example a pedestrian could follow the footpath as indicated via the overlaid dashed arrow. That pedestrian could pass the shelter structure without any hindrance.

In practice however the clearances that are available between the kerb line at the roadway and the bounding line of private property, public reserve etc. will be significantly less than what would be indicated in Figure 2. Such a hypothetical bus stop is indicated in Figure 3 below. It is once again assumed that the clearances at the bus stop satisfy all minimum design requirements of DSAPT.

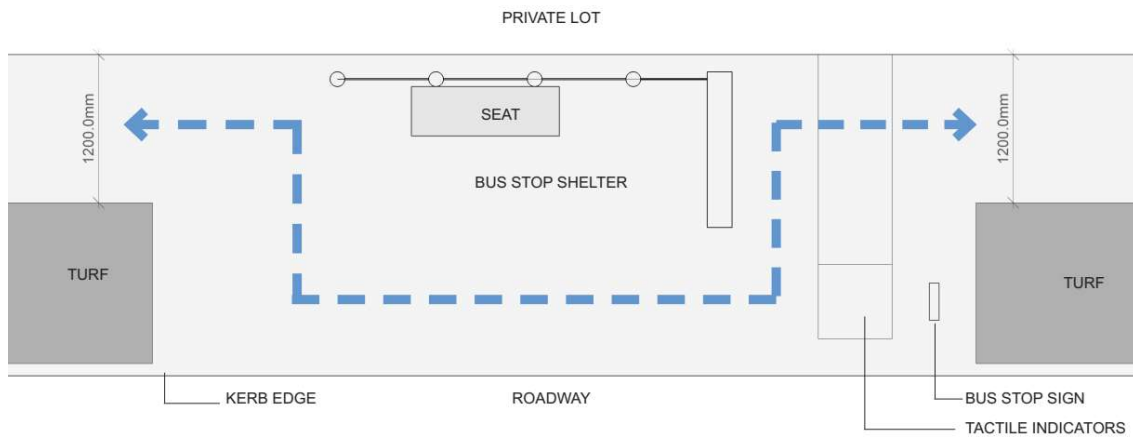


Figure 3: Plan view (not-to-scale) of a hypothetical example of a bus stop that sits on a narrower overall footpath. (Image source: MGAC)

In Figure 3 the fixed shelter is located within the direct through-line of a pedestrian footpath. This means that in order to pass the bus stop shelter a pedestrian would be obliged to travel *around* the shelter structure, as per the overlaid dashed arrow.

There could be a view that the shelter would constitute a physical obstruction for that individual. If the shelter were considered a physical obstruction that was contrary to DSAPT then the presumed solution would be to remove the shelter altogether.

For the Applicant this would materially impact the compliance status of its existing bus stop infrastructure. It would also materially impact the Applicant's ongoing upgrade plans for bus stops.

Question

The Applicant respectfully seeks the view of the Commission as to whether a complaint path of travel involving change of direction around bus stop shelter and seating elements is all that is required under DSAPT.

8.3 Question 2: Gradients of flooring at a boarding point at a bus stop

The issue

Each bus stop will typically have one boarding point. For both premises and infrastructure for public transport, DSAPT states that:

'Boarding points and kerbs

Operators and providers may assume that passengers will board at a point that has a firm and *level* surface to which a boarding device can be deployed.³⁴ [Emphasis added.]

There is no definition in DSAPT as to what is meant by the term 'level' within the context of boarding and disembarkation of passengers. Further, DSAPT does not adopt by reference any Australian Standard or other standard in relation to what is meant by the term 'level' within the context of boarding and disembarkation of passengers.

As a comparison AS1428.1(2001) defines a 'landing' as 'A flat or crowned surface with a gradient not steeper than *1 in 40*.'³⁵ Landings are required at ramps and doorways. There is however no provision in either DSAPT or AS1428.1(2001) that defines a 'landing' as being the same as a 'boarding point'.

In practice the Applicant can achieve a fall of 1 in 40 or shallower *perpendicular* to the kerb at the bus boarding point, otherwise known as the cross fall. However the fall of the surfacing *parallel* to the kerb, known as longitudinal gradient or end-fall, typically follows the gradient of the adjacent vehicular roadway and kerb. At a significant proportion of the bus stops that are supplied and maintained by the applicant the gradient of the roadway exceeds 1 in 40. This

³⁴ DSAPT Part 8.1(1).

³⁵ AS14238.1(2001) clause 4.9; emphasis added.

means that the end-fall of the boarding point (the direction parallel with the kerb and the roadway) would also exceed 1 in 40.



Figure 4: Example of a bus stop in the City of Ryde LGA with steep end-fall (Image source: City of Ryde Council)

Question

The Applicant respectfully seeks the view of the Commission on the reasonableness of the flooring of a boarding point at a bus stop that has end-fall gradients steeper than 1 in 40 due to it matching the kerb and roadway profile.

8.4 Question 3: Illumination at a bus stop

The code

For both premises and infrastructure for public transport Part 20.2 of DSAPT states that:

‘Illumination levels — premises and infrastructure

Any lighting provided must comply with minimum levels of maintenance illumination for various situations shown in the notes to AS 1428.2 (1992) Clause 19.1, Illumination levels.’

The notes to Clause 19.1 of AS 1428.2(1992) provide minimum levels of illumination, measured in lux, for a number of specific circumstances. Amongst the circumstances that the notes to Clause 19.1 address are entrances, stairs, ramps, lifts, toilet and locker rooms, counter tops, and telephones. None of these elements are provided at any of the bus stops that are the subject of the present discussion.

Of the remaining circumstances that would be relevant Clause 19.1 of AS 1428.2(1992) states that:

‘1 The following minimum levels of maintenance illumination are recommended: ...

Passageways and walkways 150 lx ...

General displays 200-300 lx ...

2 Many people require better artificial lighting than is normally provided. This applies particularly to older people and to all people with impaired sight.

3 For people with impaired hearing, a level of illumination of not less than 150 lx, without glare, is needed to allow for lip reading.’

Discussion of application of requirements of notes to Clause 19.1 of AS1428.2(1992)

All of the bus stops that the Applicant supplies and maintains are outdoors. Based on TfNSW standards for infrastructure an outdoors bus stop at night time can be expected to achieve illumination in the order of only 42 lux.³⁶ At a bus stop with no shelter the level of illumination can be expected to be less. For a bus stop that is physically proximate to retail and commercial areas the degree of illumination could be affected by those retail and commercial premises and the timing of their operations.

There would be no technological bar against the provision of the above degrees of illumination at an outdoor bus stop. It could, for example, be achieved with (and is likely to require) floodlights. It is contended however that the provision of this level of illumination at outdoor bus stops would be unreasonable.

First, attention should be given to the main text of Clause 19.1 of AS 1428.2(1992) itself, as opposed to the notes that appended to the main text. The text states that:

‘Illumination levels shall be uniform and comply with the requirements for maintenance illumination set out in AS 1680.2.’³⁷

AS 1680.2 is a standard for *interior* lighting.³⁸ Apart from AS 1680.2 no other standard is referenced. An implication should be drawn here that the minimum illumination requirements of Part 20.1 of DSAPT were intended for interior conditions, not exterior conditions.

³⁶ TfNSW Infrastructure Lighting Standard – T HR SS 80001 ST p 53.

³⁷ AS1428.2(1992), clause 19.1, emphasis added.

³⁸ The full title of AS/NZS 1680.2.1 is ‘Interior and workplace lighting, Specific applications – Circulation spaces and other general areas’. The full title of AS/NZS 1680.2.2 is ‘Interior and workplace lighting, Specific applications – Office and screen-based tasks’.

Given the external context the Applicant submits that the better outcome would be for external public bus stops to be designed to comply with public road lighting requirements of AS/NZS 1158 series. The AS/NZS 1158 series is the suite of standards for lighting for roads and public places.

Secondly, the vast majority of the bus stops that are provided and maintained by the Applicant are located not only in external contexts but in suburban residential contexts. Even if the levels of illumination that are required by the notes to Clause 19.1 of AS 1428.2(1992) were to be met it is argued that such degrees of illumination would, in such contexts, be excessive and disproportionate for the neighbouring residential properties at night. There may also be unintended safety issues for casual drivers introduced by such excessive lighting.

Thirdly, bus passengers and drivers would not rely solely on the illumination at the bus stops itself. This is already occurring in practice. Drivers must already be familiar with the route and location of stops to independently and successfully navigate the route in all conditions. Drivers are in anticipation of upcoming stops and will rely on the bus headlights to identify waiting passengers. All bus conveyances also have their own consistent levels of internal illumination, and further spot illumination is provided at the doorway linked to the drivers operation of the door. All of this would aid in boarding and disembarkation for passengers. This would also aid in communications between passengers and the bus driver and facial recognition. Drivers routinely assess the requirements of their passengers with obvious additional needs and consult with them on safer drop off points beyond the formal bus stop location, including to better lit locations. There is a system for drivers to report on deficiencies and unsafe situations at stops for future resolution. Further, the newer bus vehicles that are, and will be, used on bus routes within the Applicant's jurisdiction have LED beam headlights that can be angled to light up pedestrians. The Applicant is also part way through a street lighting renewal program, replacing existing lamps with white LED fittings. These fittings provide superior night-time definition of concrete edge surfaces and linemarkings. This renewal program is more than 55% complete and involved the upgrade of 4750 streetlights to LED.

Question

The Applicant respectfully seeks the view of the Commission on the reasonableness of the requirement of Part 20.1 of DSAPT in the context of external bus stops, especially in suburban areas.

8.5 Question 4: Kerb Heights

The code

For both premises and infrastructure for public transport Part 8.1(2) of DSAPT states that:

'Boarding points and kerbs

If a kerb is installed, it must be at least 150mm higher than the road surface.'

Discussion of application of requirements of DSAPT Part 8.1(2)

It is noted that the design and features of bus conveyances have evolved markedly since the formulation and introduction of DSAPT. At the time the solution to bus boarding was envisaged as the deployment of loose ramps or hinged flaps at the front doorway of the bus. The 150mm kerb height requirement matched an industry standard for roadway construction and ensured that the ramping solution would not be unduly steep or so long as to occupy too much of the boarding point to be unworkable.

It is now the policy of the State Transit Authority that all new buses acquired feature “kneeling” suspension. This is a feature by which the driver is able to manipulate the suspension system to lower the bus at the entry door for level access and boarding. Such conveyances now account for over 88% of the STA fleet, and over 80% of the private operator fleet in metropolitan Sydney. Industry advice suggests that “kneeling” can reach close to ground level, rendering the strict requirement for 150mm minimum kerb height as redundant.

Question

The Applicant respectfully seeks the view of the Commission on the reasonableness of the 150mm minimum kerb height at bus stops given the capabilities of modern buses to “kneel” to levels much lower than this, and the majority (and growing) share of such conveyances in both public and private fleets.

9. References

Legislation

Disability Discrimination Act (Cth)

Disability Standards for Accessible Public Transport 2002 (Cth)

Standards

AS/NZS 1158.3.1(2020) Lighting for roads and public spaces Pedestrian area (Category P) lighting – Performance and design requirements

AS 1428.1(2001) Design for Access and Mobility, General requirements for access – New building work

AS 1428.2(1992) Design for Access and Mobility, Enhanced and additional requirements – Buildings and facilities

AS/NZS 1680.2.1(2008) Interior and workplace lighting, Specific applications – Circulation spaces and other general areas

AS/NZS 1680.2.2(2008) Interior and workplace lighting, Specific applications – Office and screen-based tasks

Other

Australian Human Rights Commission 2010. *Guideline for promoting compliance of bus stops with the Disability Standards for Accessible Public Transport 2002*, archived at <https://humanrights.gov.au/our-work/disability-rights/australian-human-rights-commission-accessible-bus-stops-guidelines> (accessed 8 September 2021)

Australian Human Rights Commission 2010. *Temporary exemptions under the Disability Discrimination Act 1992 (Cth): Commission Guidelines*, <https://humanrights.gov.au/our-work/legal/temporary-exemptions-under-disability-discrimination-act-1992-cth> (accessed 1 September 2021)

City of Ryde 2021. *City of Ryde Disability Inclusion Action Plan Working Group: Expressions of Interest*, <https://www.ryde.nsw.gov.au/Community/Social-Inclusion/EOI-City-of-Ryde-Disability-Inclusion-Action-Plan-Working-Group> (accessed 30 September 2021)

City of Ryde 2021. *City of Ryde: Local workers - Method of travel to work - All industries*, <https://economy.id.com.au/ryde/workers-travel-to-work> (accessed 26 September 2021)

City of Ryde 2021. *City of Ryde: population*, <https://economy.id.com.au/ryde/population> (accessed 26 September 2021)

City of Ryde 2021. *Terms of Reference – Disability Inclusion Action Plan Working Group*, <https://www.ryde.nsw.gov.au/files/assets/public/advisory-committees/disability-inclusion-action-plan-consultative-committee-terms-of-reference.pdf> (accessed 26 September 2021)

City of Ryde 2009. *Your Local Guide City of Ryde*, <https://www.ryde.nsw.gov.au/files/assets/public/maps/key-guide-to-ryde.pdf> (accessed 20 September 2021)

Transport for NSW 2017. *Disability Inclusion Action Plan 2018-2022*, <https://www.transport.nsw.gov.au/system/files/media/documents/2018/tfnsw-disability-inclusion-action-plan-2018-2022.pdf> (accessed 20 September 2021)

10. Schedule 1: Stakeholders

The following stakeholders were consulted for the purposes of this application.

Organisation	Role	Website
Baptistcare	Aged care and retirement living	https://baptistcare.org.au/
Cerebral Palsy Alliance	Support services provider	https://cerebralpalsy.org.au/
Christian Community Aid	Aged and disability support services provider	https://ccas.org.au/
Link Wentworth	Low-income housing	https://www.linkwentworth.org.au/
New Horizons	Aged care and support services	https://newhorizons.org.au/
North Ryde Community Aid	Community organisation	https://pcnsw.org.au/
Royal Rehab	Rehabilitation services for spinal cord and brain injuries	https://royalrehab.com.au/
Side By Side Advocacy	Advocacy for people with intellectual disability	https://sidebyside.org.au/
Sydney Buses	Transport operator	https://transportnsw.info/travel-info/ways-to-get-around/bus#/
Transport for NSW	Transport operator	https://www.transport.nsw.gov.au/

11. Schedule 2: Bus Stop Upgrade Program

TSN	Suburb	Stop Name	Year of delivery	Community Facilities Nearby	Project Status
2122146	Eastwood	Balaclava Rd opp Lincoln St	2020/21	Yes	Completed
2122149	Eastwood	Balaclava Rd opp Irene Park	2020/21	Yes	Completed
212225	Marsfield	Waterloo Park, Waterloo Rd	2020/21	Yes	Completed
2112240	Ryde	Parkes St at Hinkler Ave	2020/21	Yes	Completed
212225	Marsfield	Waterloo Park, Waterloo Rd	2020/21	Yes	Completed
2122102	Denistone East	Blaxland Rd at Hopetoun Ave	2020/21	Yes	Completed
212246	Eastwood	North Rd opp Watts Rd	2020/21	Yes	Completed
2112199	Ryde	Ryde Secondary College, Malvina Rd	2020/21	Yes	Completed
212227	Marsfield	Culloden Rd, Opposite Macquarie Uni Village	2020/21	Yes	Completed
2114158	West Ryde	Winbourne St opp Ermington Public School	2020/21	Yes	Completed
2122150	Eastwood	Eastwood Heights Primary School, Lincoln St	2020/21	Yes	Completed
2112199	Ryde	Ryde Secondary College, Malvina Rd	2020/21	Yes	Completed
2122166	Eastwood	Lovell Rd opp Denistone East Public School	2020/21	Yes	Completed
211458	West Ryde	Marsden High School, Winbourne St	2020/21	Yes	Completed
2122175	Eastwood	North Rd before Alison St	2020/21	Yes	Completed
212261	Eastwood	Lovell Rd at Grove St	2020/21	Yes	Completed
2114154	West Ryde	Parkes St opp TAFE Northern Sydney	2020/21	Yes	Completed
2112243	North Ryde	Badajoz Rd opp Macquarie Hospital	2020/21	Yes	Completed
2122111	Eastwood	Eastwood Public School, Rutledge St	2020/21	Yes	Completed
2114126	West Ryde	Marsden High School, Winbourne St	2020/21	No	Completed
212284	Eastwood	Balaclava Rd opp Bligh St	2020/21	No	Completed
2112154	Ryde	Quarry Rd opp Santa Rosa Park	2020/21	No	Completed
2114142	West Ryde	Winbourne St opp Marsden High School	2020/21	No	Completed
2112151	Ryde	Quarry Rd opp Olive St	2020/21	No	Completed
2113214	Macquarie Park	Khartoum Rd after Waterloo Rd	2020/21	No	Completed
211263	Ryde	Lane Cove Rd opp Hancott St	2020/21	No	Completed
2114153	Ryde	Bowden St after Victoria Rd	2020/21	No	Completed
2112210	Ryde	Parkes St before Samuel St	2020/21	No	Completed
211254	Ryde	Lane Cove Rd at Wolger Rd	2020/21	No	Completed
2112242	Ryde	Lane Cove Rd after Buffalo Rd	2020/21	No	Completed
211474	West Ryde	Victoria Rd at Forsyth St	2020/21	No	Completed
212296	Eastwood	Ryedale Rd opp Second Ave	2020/21	No	Completed
212233	Marsfield	Busaco Rd before Talavera Rd	2020/21	No	Completed
2112159	Ryde	Quarry Rd opp Aeolus Ave	2020/21	No	Completed
211252	Ryde	Higginbotham Rd before Cressy Rd	2020/21	No	Completed
212237	Marsfield	Herring Rd at Adelphi Rd	2020/21	No	Completed
2113193	Macquarie Park	Fontenoy Rd opp Fontenoy Park	2020/21	No	Completed
211386	East Ryde	Elliott Ave at Moncrieff Dr	2020/21	No	Completed
2112234	Ryde	Lane Cove Rd before Quarry Rd	2020/21	No	Completed
2114123	West Ryde	Hermoyne St opp Daphne St	2020/21	No	Completed
2112187	Ryde	Blaxland Rd opp Ryde Fire Station	2020/21	No	Completed
2113197	Macquarie Park	Khartoum Rd before Talavera Rd	2020/21	No	Completed
2122128	Eastwood	Terry Rd at Darvall Rd	2020/21	No	Completed
2112160	Ryde	Quarry Rd at Aeolus Ave	2020/21	No	Completed
211498	West Ryde	Hermitage Rd before Herbert St	2020/21	No	Completed
211449	West Ryde	Adelaide St opp Deakin St	2020/21	No	Completed
211383	East Ryde	Moncrieff Dr after Cressy Rd	2020/21	No	Completed
211329	North Ryde	Epping Rd after Lane Cove Rd	2020/21	No	Completed
211257	Ryde	Bridge Rd before Ellen St	2020/21	No	Completed
2112198	Ryde	Gardener Ave opp Jones St	2020/21	No	Completed
2112196	Ryde	Gardener Ave before Buffalo Rd	2020/21	No	Completed
2122174	Eastwood	North Rd after Sheehan St	2020/21	No	Completed
2112172	Ryde	Gardener Ave at Bidgee Rd	2020/21	No	Completed
211243	Ryde	Badajoz Rd opp Callaghan St	2020/21	No	Completed
2113198	Macquarie Park	Khartoum Rd after Talavera Rd	2020/21	No	Completed
2122202	Eastwood	Ryde Eastwood Leagues Club, Second Ave	2020/21	No	Completed
2122134	Eastwood	East Pde at Rutledge St	2020/21	No	Completed
2114122	West Ryde	Hermoyne St at Daphne St	2020/21	No	Completed
2112200	Ryde	Buffalo Rd at Malvina Rd	2020/21	No	Completed
212293	Eastwood	East Pde at First Ave	2020/21	No	Completed
212279	Eastwood	Balaclava Rd opp Moore Park	2020/21	No	Completed
2122209	Eastwood	Granny Smith Memorial Park, Threlfall St	2020/21	No	Completed
2122177	Eastwood	Threlfall St at North Rd	2020/21	No	Completed
2122153	Eastwood	North Rd at Fonti St	2020/21	No	Completed
2112245	Ryde	Quarry Rd after Lane Cove Rd	2020/21	No	Completed
2112167	Ryde	Quarry Rd opp Jones St	2020/21	No	Completed
2112239	Ryde	Parkes St at Shepherd St	2020/21	No	Completed
212241	Eastwood	Tallwood Ave after Bridge Rd	2020/21	No	Completed
2122186	Ryde	Bridge Rd opp Watts Rd	2020/21	No	Completed
211464	Melrose Park	Andrew St opp Macintosh Ave	2020/21	No	Completed
211211	Eastwood	North Rd after Watts Rd	2020/21	No	Completed
211321	North Ryde	Epping Rd after Delhi Rd	2020/21	No	Completed
212228	Marsfield	Culloden Rd at Talavera Rd	2021/22	Yes	To be completed by 30 June 2022
212250	Marsfield	Herring Rd opp Kent Road Public School	2021/22	Yes	To be completed by 30 June 2022
211112	Gladesville	Victoria Rd opp Weaver St	2021/22	Yes	To be completed by 30 June 2022
212226	Marsfield	Culloden Rd after Waterloo Rd	2021/22	Yes	To be completed by 30 June 2022
211472	West Ryde	Victoria Rd before Chatham Rd	2021/22	Yes	To be completed by 30 June 2022
211117	Gladesville	GladesHill Presbyterian Church, Victoria Rd	2021/22	Yes	To be completed by 30 June 2022
211255	Ryde	Lane Cove Rd opp Seventh Day Adventist Church	2021/22	Yes	To be completed by 30 June 2022

2113103	North Ryde	Coxs Rd opp Blamey St	2021/22	Yes	To be completed by 30 June 2022
211230	Ryde	Blaxland Rd opp Top Ryde Community Health Centre	2021/22	Yes	To be completed by 30 June 2022
212243	Eastwood	North Rd after Watts Rd	2021/22	Yes	To be completed by 30 June 2022
211418	Meadowbank	Meadowbank Wharf, Bowden St	2021/22	Yes	To be completed by 30 June 2022
2122224	Eastwood	Fourth Ave opp Ryde Medical Centre	2021/22	Yes	To be completed by 30 June 2022
2113318	Macquarie Park	Macquarie University Station, Waterloo Rd, Stand B	2021/22	Yes	To be completed by 30 June 2022
211236	Gladesville	Buffalo Rd after Cressy Rd	2021/22	Yes	To be completed by 30 June 2022
212212	Eastwood	Eastwood Station, Railway Pde, Stand D	2021/22	Yes	To be completed by 30 June 2022
211368	North Ryde	Coxs Rd opp Holy Spirit Primary School	2021/22	Yes	To be completed by 30 June 2022
211144	Gladesville	Victoria Rd at Osgathorpe Rd	2021/22	Yes	To be completed by 30 June 2022
211140	Gladesville	Victoria Rd at Pearson St	2021/22	Yes	To be completed by 30 June 2022
212213	Eastwood	Eastwood Station, Ethel St, Stand E	2021/22	Yes	To be completed by 30 June 2022
211417	West Ryde	Ryde Eastwood Leagues Club, Ryedale Rd	2021/22	Yes	To be completed by 30 June 2022
212298	Marsfield	St Anthony's Primary School, Agincourt Rd	2021/22	Yes	To be completed by 30 June 2022
2122180	Marsfield	Kotara Park, Abuklea Rd	2021/22	Yes	To be completed by 30 June 2022
2113166	North Ryde	Lane Cove Rd before Kent Rd	2021/22	Yes	To be completed by 30 June 2022
2113139	North Ryde	Coxs Rd opp Jopling St	2021/22	Yes	To be completed by 30 June 2022
211446	West Ryde	Anzac Ave before Wattle St	2021/22	Yes	To be completed by 30 June 2022
211397	North Ryde	Lane Cove Rd opp Kent Rd	2021/22	Yes	To be completed by 30 June 2022
2112247	Ryde	Devlin St at Blaxland Rd	2021/22	Yes	To be completed by 30 June 2022
2113149	North Ryde	Ryrie St at Morshead St	2021/22	Yes	To be completed by 30 June 2022
2113147	North Ryde	Edmonson St opp Truscott Street Public School	2021/22	Yes	To be completed by 30 June 2022
2112137	Ryde	Belmore St opp Suttor Ave	2021/22	Yes	To be completed by 30 June 2022
2112136	Ryde	Belmore St opp Meadowbank Public School	2021/22	Yes	To be completed by 30 June 2022
211342	Macquarie Park	Dunmore Lang College, Herring Rd	2021/22	Yes	To be completed by 30 June 2022
211423	West Ryde	West Pde opp West Ryde Station	2021/22	Yes	To be completed by 30 June 2022
211245	North Ryde	Twin Rd opp Ryde East Public School	2021/22	Yes	To be completed by 30 June 2022
2113125	North Ryde	Twin Rd opp Macquarie Hospital	2021/22	Yes	To be completed by 30 June 2022
211180	Gladesville	Monash Rd before Diggers Ave	2021/22	Yes	To be completed by 30 June 2022
211238	Ryde	Holy Cross College, Cressy Rd	2021/22	Yes	To be completed by 30 June 2022
211445	West Ryde	Union St opp Woolway Reserve	2021/22	Yes	To be completed by 30 June 2022
2113231	North Ryde	Macquarie Hospital, Badajoz Rd	2021/22	Yes	To be completed by 30 June 2022
211240	Ryde	Cressy Rd at Buffalo Rd	2021/22	Yes	To be completed by 30 June 2022
2112225	Ryde	Estia Health Ryde, Bowden St	2021/22	Yes	To be completed by 30 June 2022
2114147	Denistone	Blaxland Rd opp Hopetoun Ave	2021/22	Yes	To be completed by 30 June 2022
211244	Ryde	Badajoz Rd before Nerang St	2021/22	Yes	To be completed by 30 June 2022
2122121	Eastwood	Kevin's Primary School, Hillview Rd	2021/22	Yes	To be completed by 30 June 2022
2113150	North Ryde	Morshead St at Ryrie St	2021/22	Yes	To be completed by 30 June 2022
211156	Gladesville	Thompson St at Monash Rd	2021/22	Yes	To be completed by 30 June 2022
212260	Denistone East	Lovell Rd opp Grove St	2021/22	Yes	To be completed by 30 June 2022
2112125	Putney	Payten St at Morrison Rd	2021/22	Yes	To be completed by 30 June 2022
2122168	Eastwood	Macquarie Anglican Church, Lovell Rd	2021/22	Yes	To be completed by 30 June 2022
2114144	West Ryde	Ermington Public School, Winbourne St	2021/22	Yes	To be completed by 30 June 2022
212268	Eastwood	Welby St opp Alexandria Ave	2021/22	Yes	To be completed by 30 June 2022
2114120	West Ryde	Tramway St at Brush Rd	2021/22	Yes	To be completed by 30 June 2022
212230	Marsfield	Busaco Rd after Talavera Rd	2021/22	Yes	To be completed by 30 June 2022
2122120	Eastwood	Hillview Rd opp St Kevin's Primary School	2021/22	Yes	To be completed by 30 June 2022
2113117	North Ryde	Badajoz Rd opp Arndell School	2021/22	Yes	To be completed by 30 June 2022
2122198	Eastwood	Vimiera Rd opp Raymond St	2021/22	Yes	To be completed by 30 June 2022
2122181	Eastwood	Abuklea Rd opp Kotara Park	2021/22	Yes	To be completed by 30 June 2022
2114164	Meadowbank	Railway Rd opp Meadowbank Station	2021/22	Yes	To be completed by 30 June 2022
2111108	Tennyson Point	Morrison Rd at Champion Rd	2021/22	Yes	To be completed by 30 June 2022
211167	Gladesville	Jordan St opp Christ Church Gladesville	2021/22	Yes	To be completed by 30 June 2022
211444	West Ryde	St Michael's Primary School, Maxim St	2021/22	Yes	To be completed by 30 June 2022
211167	Gladesville	Jordan St opp Christ Church Gladesville	2021/22	Yes	To be completed by 30 June 2022
211432	Meadowbank	Constitution Rd after Bank St	2021/22	Yes	To be completed by 30 June 2022
2112226	Ryde	Bowden St at Stone St	2021/22	Yes	To be completed by 30 June 2022
2113124	North Ryde	Macquarie Hospital, Twin Rd	2021/22	Yes	To be completed by 30 June 2022
211437	West Ryde	Station St opp St Michael's Primary School	2021/22	Yes	To be completed by 30 June 2022
2111116	Gladesville	Meriton St at Victoria Rd	2021/22	Yes	To be completed by 30 June 2022
211264	Ryde	Seventh Day Adventist Church, Lane Cove Rd	2021/22	Yes	Scheduled to be completed by 30 June 2022
211226	Ryde	Ryde Aquatic Leisure Centre, Victoria Rd	2021/22	Yes	Scheduled to be completed by 30 June 2022
211237	Ryde	Buffalo Rd before Cressy Rd	2021/22	Yes	Scheduled to be completed by 30 June 2022
211428	West Ryde	West Ryde Station, Ryedale Rd	2021/22	Yes	Scheduled to be completed by 30 June 2022
2112235	Ryde	Malvina Road near Forrest Road	2021/22	Yes	Scheduled to be completed by 30 June 2022
2113187	Macquarie Park	Macquarie Park Station, Waterloo Rd, Stand E	2021/22	Yes	Scheduled to be completed by 30 June 2022
211284	Putney	Morrison Rd at Delange Rd	2021/22	Yes	Scheduled to be completed by 30 June 2022
2113213	Macquarie Park	Macquarie University Station, Waterloo Rd, Stand C	2021/22	Yes	Scheduled to be completed by 30 June 2022
211247	Ryde	Badajoz Rd opp Nerang St	2021/22	Yes	Scheduled to be completed by 30 June 2022
211239	Ryde	Cressy Rd opp Holy Cross College	2021/22	Yes	Scheduled to be completed by 30 June 2022
2112122	Putney	Payten St at Morrison Rd	2021/22	Yes	Scheduled to be completed by 30 June 2022
2113156	North Ryde	Wicks Rd opp Farrington Pde	2021/22	Yes	Scheduled to be completed by 30 June 2022
2122185	Marsfield	Abuklea Rd before Herring Rd	2021/22	Yes	Scheduled to be completed by 30 June 2022
2113164	North Ryde	Wicks Rd opp 26	2021/22	Yes	Scheduled to be completed by 30 June 2022
2113160	North Ryde	26 Wicks Rd	2021/22	Yes	Scheduled to be completed by 30 June 2022
2112115	Ryde	Smalls Rd opp Fawcett St	2021/22	Yes	Scheduled to be completed by 30 June 2022
2112114	Ryde	Smalls Rd at Fawcett St	2021/22	Yes	Scheduled to be completed by 30 June 2022
2111115	Gladesville	Morrison Rd at Meriton St	2021/22	Yes	Scheduled to be completed by 30 June 2022
212270	Eastwood	Gordon St at Welby St	2021/22	Yes	Scheduled to be completed by 30 June 2022
2122124	Eastwood	Terry Rd at Shaftsbury Rd	2021/22	Yes	Scheduled to be completed by 30 June 2022
2122151	Eastwood	North Rd opp Rotary Park	2021/22	Yes	Scheduled to be completed by 30 June 2022
212267	Marsfield	Epping Boys High School, Vimiera Rd, Stand B	2021/22	Yes	Procured
212256	North Ryde	Kent Rd opp Kent Road Primary School	2021/22	Yes	Procured

211367	North Ryde	Coxs Rd opp Ryrie St	2021/22	Yes	Procured
211355	North Ryde	Coxs Rd opp North Ryde Primary School	2021/22	Yes	Procured
211354	North Ryde	Coxs Rd after Lane Cove Rd	2021/22	Yes	Procured
212259	Eastwood	Marsden Rd before Lawson St	2021/22	Yes	Procured
2113148	North Ryde	Truscott Street Public School, Ryrie St	2021/22	Yes	Procured
211358	North Ryde	Coxs Rd after Blamey St	2021/22	Yes	Procured
211442	West Ryde	West Ryde Public School, Endeavour St	2021/22	Yes	Procured
2122184	Eastwood	Abuklea Rd after Donovan St	2021/22	Yes	Procured
2114121	West Ryde	Tramway St after Brush Rd	2021/22	Yes	Procured
211415	West Ryde	West Pde before Miriam Rd	2021/22	No	Procured
2122123	Eastwood	Marist College, Hillview Rd	2021/22	No	Procured
211468	West Ryde	Adelaide St after Deakin St	2021/22	No	Procured
212288	Eastwood	May St before Blaxland Rd	2021/22	No	Procured
212240	Marsfield	Herring Rd before Bridge Rd	2021/22	No	Procured
2113106	North Ryde	Bridge Rd opp Flinders Rd	2021/22	No	Procured
2122170	Eastwood	North Rd opp Donovan St	2021/22	No	Procured
2122122	Eastwood	Hillview Rd opp Marist College	2021/22	No	Procured
2122154	Eastwood	North Rd opp Fonti St	2021/22	No	Procured
212224	Marsfield	Waterloo Rd after Vimiera Rd	2021/22	No	Procured
2113144	North Ryde	Edmonson St opp Berryman St	2021/22	No	Procured
2122158	Marsfield	Epping Boys High School, Vimiera Rd, Stand A	2021/22	No	Procured
211142	Gladesville	Trim Place, Victoria Rd	2022/23	Yes	To be completed by 31 December 2022
2113319	Macquarie Park	Macquarie University Station, Herring Rd, Stand D	2022/23	Yes	To be completed by 31 December 2022
2113232	Macquarie Park	Macquarie Centre, Stand A	2022/23	Yes	To be completed by 31 December 2022
2113228	Macquarie Park	Macquarie Centre, Stand D	2022/23	Yes	To be completed by 31 December 2022
211323	North Ryde	Epping Rd before Pittwater Rd	2022/23	Yes	To be completed by 31 December 2022
211223	Ryde	Victoria Rd opp St Charles Primary School	2022/23	Yes	To be completed by 31 December 2022
2113227	Macquarie Park	Macquarie Centre, Stand C	2022/23	Yes	To be completed by 31 December 2022
212291	Marsfield	Epping Rd after Vimiera Rd	2022/23	Yes	To be completed by 31 December 2022
212211	Eastwood	Eastwood Station, Railway Pde, Stand C	2022/23	Yes	To be completed by 31 December 2022
211344	Macquarie Park	Macquarie Centre, Stand B	2022/23	Yes	To be completed by 31 December 2022
211228	Ryde	Blaxland Rd before Hatton St	2022/23	Yes	To be completed by 31 December 2022
211322	North Ryde	Epping Rd at Rivett Rd	2022/23	Yes	To be completed by 31 December 2022
211220	Ryde	Top Ryde City Shopping Centre, Blaxland Rd	2022/23	Yes	To be completed by 31 December 2022
2113206	Macquarie Park	Macquarie Park Station, Lane Cove Rd, Stand B	2022/23	Yes	To be completed by 31 December 2022
211357	North Ryde	Coxs Rd at Ryrie St	2022/23	Yes	To be completed by 31 December 2022
2114132	West Ryde	Maze Park, Victoria Rd	2022/23	Yes	To be completed by 31 December 2022
211332	Marsfield	Macquarie University Village, Waterloo Rd	2022/23	Yes	To be completed by 31 December 2022
211227	Ryde	St Charles Primary School, Victoria Rd	2022/23	Yes	To be completed by 31 December 2022
211312	Macquarie Park	Macquarie Centre, Stand E	2022/23	Yes	To be completed by 31 December 2022
211268	Ryde	Church St at Riverside Ave	2022/23	Yes	To be completed by 31 December 2022
212254	Marsfield	Kent Road Public School, Kent Rd	2022/23	Yes	To be completed by 31 December 2022
211424	West Ryde	West Ryde Interchange - Stand A	2022/23	Yes	To be completed by 31 December 2022
211225	Ryde	Victoria Rd at Weaver St	2022/23	Yes	To be completed by 31 December 2022
211441	West Ryde	Victoria Rd before Endeavour St	2022/23	Yes	To be completed by 31 December 2022
212232	Marsfield	Busaco Rd before Talavera Rd	2022/23	Yes	To be completed by 31 December 2022
212214	Eastwood	Eastwood Station, West Pde, Stand A	2022/23	Yes	To be completed by 31 December 2022
2113202	Macquarie Park	Macquarie Park Station, Lane Cove Rd, Stand A	2022/23	Yes	To be completed by 31 December 2022
211222	Ryde	Blaxland Rd at Princes St	2022/23	Yes	To be completed by 31 December 2022
2113324	Macquarie Park	Macquarie Park Station, Waterloo Rd, Stand D	2022/23	Yes	To be completed by 31 December 2022
211426	West Ryde	West Ryde Interchange - Stand B	2022/23	Yes	To be completed by 31 December 2022
211316	Macquarie University	Macquarie University Campus, University Ave, Stand D	2022/23	Yes	To be completed by 31 December 2022
2122142	Marsfield	Balaclava Rd before Epping Rd	2022/23	Yes	To be completed by 31 December 2022
212238	Marsfield	Kent Road Public School, Herring Rd	2022/23	Yes	To be completed by 31 December 2022
211494	Denistone	Denistone Rd opp Ryde Hospital	2022/23	Yes	To be completed by 31 December 2022
211431	Meadowbank	Meadowbank Station, Constitution Rd	2022/23	Yes	To be completed by 31 December 2022
2112208	Ryde	Top Ryde City Shopping Centre, Devlin St	2022/23	Yes	To be completed by 31 December 2022
2122140	Marsfield	Balaclava Rd opp Daughters of Charity	2022/23	Yes	To be completed by 31 December 2022
212220	Marsfield	Epping Rd after Vimiera Rd	2022/23	Yes	To be completed by 31 December 2022
211419	West Ryde	Anzac Park, Anzac Ave	2022/23	Yes	To be completed by 31 December 2022
211359	North Ryde	Coxs Rd opp Badajoz Rd	2022/23	Yes	To be completed by 31 December 2022
211345	Macquarie Park	Herring Rd opp Dunmore Lang College	2022/23	Yes	To be completed by 31 December 2022
211317	Macquarie Park	Shalom Centre, Balaclava Rd	2022/23	Yes	To be completed by 31 December 2022
211495	Denistone	Ryde Hospital, Denistone Rd	2022/23	Yes	To be completed by 31 December 2022
211269	Ryde	Church St after Well St	2022/23	Yes	To be completed by 31 December 2022
211365	North Ryde	North Ryde Shops, Blenheim Rd	2022/23	Yes	To be completed by 31 December 2022
211349	North Ryde	Kent Rd at Pindari St	2022/23	Yes	To be completed by 31 December 2022
211311	Macquarie Park	Balaclava Rd at Hadenfield Ave	2022/23	Yes	To be completed by 31 December 2022
2113230	Macquarie Park	Macquarie University Campus, University Ave, Stand C	2022/23	Yes	To be completed by 31 December 2022
211421	West Ryde	West Ryde Interchange (Set Down)	2022/23	Yes	To be completed by 31 December 2022
211115	Gladesville	Victoria Rd at Westminster Rd	2022/23	Yes	To be completed by 31 December 2022
2122167	Denistone East	Denistone East Public School, Lovell Rd	2022/23	Yes	To be completed by 31 December 2022
212215	Eastwood	Eastwood Station, West Pde, Stand B	2022/23	Yes	To be completed by 31 December 2022
211280	Putney	Donnelly Park, Morrison Rd	2022/23	Yes	To be completed by 31 December 2022
211493	Denistone	Ryde Medical Centre, Fourth Ave	2022/23	Yes	To be completed by 31 December 2022
211333	Macquarie Park	Macquarie University Village, Waterloo Rd	2022/23	Yes	To be completed by 31 December 2022
2113224	Macquarie Park	Waterloo Rd opp Byfield St	2022/23	Yes	To be completed by 31 December 2022
2122143	Marsfield	Daughters of Charity, Balaclava Rd	2022/23	Yes	To be completed by 31 December 2022
2113238	Macquarie Park	Epping Rd after Balaclava Rd	2022/23	Yes	To be completed by 31 December 2022
2112184	Ryde	Santonia Da Padova Nursing Home, Blaxland Rd	2022/23	Yes	To be completed by 31 December 2022
212252	Marsfield	Herring Rd opp Dora St	2022/23	Yes	To be completed by 31 December 2022
212244	Denistone East	Colvin Park, Lovell Rd	2022/23	Yes	To be completed by 31 December 2022
212236	Marsfield	Herring Rd after Dora St	2022/23	Yes	To be completed by 31 December 2022

211387	North Ryde	Ryde East Public School, Twin Rd	2022/23	Yes	To be completed by 31 December 2022
2122148	Eastwood	Irene Park, Balaclava Rd	2022/23	Yes	To be completed by 31 December 2022
211150	Ryde	Higginbotham Rd opp Nelson St	2022/23	Yes	To be completed by 31 December 2022
2113223	Macquarie Park	Macquarie University Station, Waterloo Rd, Stand A	2022/23	Yes	To be completed by 31 December 2022
2112157	Ryde	Quarry Rd opp Yamble Reserve	2022/23	Yes	To be completed by 31 December 2022
211224	Ryde	Holy Cross College, Victoria Rd	2022/23	Yes	To be completed by 31 December 2022
2113234	Macquarie Park	Epping Rd opp Sabraon Rd	2022/23	Yes	To be completed by 31 December 2022
212292	Marsfield	Epping Rd opp Crimea Rd	2022/23	Yes	To be completed by 31 December 2022
211434	West Ryde	Ryedale Rd opp Ryde Eastwood Leagues Club	2022/23	Yes	To be completed by 31 December 2022
211165	Gladesville	GladesHill Presbyterian Church, Pittwater Rd	2022/23	Yes	To be completed by 31 December 2022
211412	West Ryde	TAFE Northern Sydney, Parkes St	2022/23	Yes	To be completed by 31 December 2022
2113180	Marsfield	Culloden Rd before Gymnasium Rd	2022/23	Yes	To be completed by 31 December 2022
2112190	Ryde	Church St opp St Annes Anglican Church	2022/23	Yes	To be completed by 31 December 2022
2112186	Ryde	Northern Sydney TAFE, Blaxland Rd	2022/23	Yes	To be completed by 31 December 2022
211350	North Ryde	Kent Rd opp Pindari St	2022/23	Yes	To be completed by 31 December 2022
211331	Marsfield	Culloden Rd after Talavera Rd	2022/23	Yes	To be completed by 31 December 2022
211327	Macquarie Park	Delhi Rd opp North Ryde Station	2022/23	Yes	To be completed by 31 December 2022
2112246	Ryde	Top Ryde City Shopping Centre, Devlin St - Stand 1A	2022/23	Yes	To be completed by 31 December 2022
2113249	Macquarie Park	Macquarie University Campus, University Ave, Stand B	2022/23	Yes	To be completed by 31 December 2022
2113157	North Ryde	Wicks Rd before Coxs Rd	2022/23	Yes	To be completed by 31 December 2022
2113173	North Ryde	Delhi Rd opp Plassey Rd	2022/23	Yes	To be completed by 31 December 2022
2122139	Marsfield	Balaclava Rd at Agincourt Rd	2022/23	Yes	To be completed by 31 December 2022
2112158	Ryde	Yamble Reserve, Quarry Rd	2022/23	Yes	To be completed by 31 December 2022
2113163	North Ryde	Wicks Rd after Coxs Rd	2022/23	Yes	To be completed by 31 December 2022
211157	Ryde	Higginbotham Rd at Lyndhurst St	2022/23	Yes	To be completed by 31 December 2022
2122147	Eastwood	Balaclava Rd at Raymond St	2022/23	Yes	To be completed by 31 December 2022
211369	North Ryde	North Ryde Primary School, Coxs Rd	2022/23	Yes	To be completed by 31 December 2022
2122129	Eastwood	Brush Farm Corrective Services Academy, Terry Rd	2022/23	Yes	To be completed by 31 December 2022
2122152	Eastwood	Rotary Park, North Rd	2022/23	Yes	To be completed by 31 December 2022
211370	North Ryde	Coxs Rd at Lane Cove Rd	2022/23	Yes	To be completed by 31 December 2022
2113304	Ryde	North Ryde Station, Delhi Rd	2022/23	Yes	To be completed by 31 December 2022
211425	West Ryde	West Ryde Interchange - Stand C	2022/23	Yes	To be completed by 31 December 2022
2112131	Putney	Morrison Rd at Regent St	2022/23	Yes	To be completed by 31 December 2022
2113116	North Ryde	Arndell School, Badajoz Rd	2022/23	Yes	To be completed by 31 December 2022
2112130	Ryde	Thomas Bowden Retirement Village, Morrison Rd	2022/23	Yes	To be completed by 31 December 2022
211427	West Ryde	West Ryde Interchange - Stand D	2022/23	Yes	To be completed by 31 December 2022
2121177	Marsfield	Vimiera Rd opp Epping Boys High School	2022/23	Yes	To be completed by 31 December 2022
2122113	Eastwood	Eastwood Public School, Rowe St	2022/23	Yes	To be completed by 31 December 2022
2113229	Macquarie Park	none	2022/23	Yes	To be completed by 31 December 2022
211221	Ryde	Blaxland Rd at Argyle Ave	2022/23	No	To be completed by 31 December 2022
211114	Gladesville	Victoria Rd at Monash Rd	2022/23	No	To be completed by 31 December 2022
2113109	North Ryde	Lane Cove Rd at Coxs Rd	2022/23	No	To be completed by 31 December 2022
211272	Ryde	Christian Scientist Church, Church St	2022/23	No	To be completed by 31 December 2022
2113192	Macquarie Park	Fontenoy Rd Before Tuckwell Pl	2022/23	No	To be completed by 31 December 2022
211440	West Ryde	Victoria Rd at Gaza Rd	2022/23	No	To be completed by 31 December 2022
2113302	Macquarie Park	Epping Rd before Delhi Rd	2022/23	No	To be completed by 31 December 2022
2113310	Marsfield	Macquarie Park Station, Waterloo Rd, Stand F	2022/23	No	To be completed by 31 December 2022
2114100	West Ryde	Victoria Rd after Hermitage Rd	2022/23	No	To be completed by 31 December 2022
211233	Ryde	Victoria Rd at Belmore St	2022/23	No	To be completed by 31 December 2022
212251	Marsfield	Herring Rd opp Adelphi Rd	2022/23	No	To be completed by 31 December 2022
211398	North Ryde	Lane Cove Rd opp Ford St	2022/23	No	To be completed by 31 December 2022
211473	West Ryde	Victoria Rd before West Pde	2022/23	No	To be completed by 31 December 2022
211234	Ryde	St John Paul Catholic Monastery, Victoria Rd	2022/23	No	To be completed by 31 December 2022
2111106	Gladesville	Morrison Rd after Western Cres	2022/23	No	To be completed by 31 December 2022
2113191	Macquarie Park	Fontenoy Rd opp Tuckwell Pl	2022/23	No	To be completed by 31 December 2022
2113194	Macquarie Park	Fontenoy Park, Fontenoy Rd	2022/23	No	To be completed by 31 December 2022
2114143	Ermington	Winbourne St at Bell Ave	2022/23	No	To be completed by 31 December 2022
2114135	West Ryde	Victoria Rd opp Mirool St	2022/23	No	To be completed by 31 December 2022
2114136	West Ryde	Victoria Rd opp Lions Park	2022/23	No	To be completed by 31 December 2022
211251	Ryde	Higginbotham Rd after Cressy Rd	2022/23	No	To be completed by 31 December 2022
211413	West Ryde	Parkes St after Hermitage Rd	2022/23	No	To be completed by 31 December 2022
211290	Putney	Charles St after Phillip Rd	2022/23	No	To be completed by 31 December 2022
211469	West Ryde	Adelaide St at Darwin St	2022/23	No	To be completed by 31 December 2022
211275	Gladesville	43A Higginbotham Rd	2022/23	No	To be completed by 31 December 2022
2122103	Eastwood	Warrawang St at Read St	2022/23	No	To be completed by 31 December 2022
2114150	West Ryde	Anzac Ave before Orchard St	2022/23	No	To be completed by 31 December 2022
2114128	West Ryde	Janet Park, Brush Rd	2022/23	No	To be completed by 31 December 2022
2122107	Eastwood	Clanwilliam St after Darvall Rd	2022/23	No	To be completed by 31 December 2022
211184	Gladesville	Ross St at Raven St	2022/23	No	To be completed by 31 December 2022
2112123	Putney	Payten St at Phillip Rd	2022/23	No	To be completed by 31 December 2022
2113233	North Ryde	Lane Cove Rd opp Coxs Rd	2022/23	No	To be completed by 31 December 2022
212235	Marsfield	Herring Rd opp Ranch Hotel	2022/23	No	To be completed by 31 December 2022
211151	Gladesville	Thompson St after Monash Rd	2022/23	No	To be completed by 31 December 2022
212295	Eastwood	Second Ave opp Ryde Eastwood Leagues Club	2022/23	No	To be completed by 31 December 2022
212265	Denistone East	Lovell Rd at Hollis Ave	2022/23	No	To be completed by 31 December 2022
211455	Melrose Park	Taylor Ave before Wharf Rd	2022/23	No	To be completed by 31 December 2022
211453	Melrose Park	Cobham Ave at Andrew St	2022/23	No	To be completed by 31 December 2022
2122199	Marsfield	Vimiera Rd at Rugby Rd	2022/23	No	To be completed by 31 December 2022
2114105	Denistone	Bellevue Ave at Bigland Ave	2022/23	No	To be completed by 31 December 2022
2113141	North Ryde	Edmonson St at Kokoda St	2022/23	No	To be completed by 31 December 2022
2113138	North Ryde	Coxs Rd at Cressy Rd	2022/23	No	To be completed by 31 December 2022
212294	Eastwood	First Ave before East Pde	2022/23	No	To be completed by 31 December 2022
211477	West Ryde	Orchard St at Anzac Ave	2022/23	No	To be completed by 31 December 2022

211460	Melrose Park	Wharf Rd after Cobham Lane	2022/23	No	To be completed by 31 December 2022
211452	Melrose Park	Andrew St at Macintosh Ave	2022/23	No	To be completed by 31 December 2022
211436	West Ryde	West Pde after Miriam Rd	2022/23	No	To be completed by 31 December 2022
211414	Melrose Park	Jennifer Park, Wharf Rd	2022/23	No	To be completed by 31 December 2022
211394	North Ryde	Twin Rd opp North Ryde Golf Club	2022/23	No	To be completed by 31 December 2022
212248	Eastwood	Tallwood Ave before Bridge Rd	2022/23	No	To be completed by 31 December 2022
212216	Marsfield	Epping Rd after Culloden Rd	2022/23	No	To be completed by 31 December 2022
211143	Gladesville	Victoria Rd after Hepburn Ave	2022/23	No	To be completed by 31 December 2022
211360	North Ryde	Blenheim Rd after Cutler Pde	2022/23	No	Scheduled to be completed by 30 June 2023
2112152	Ryde	Quarry Rd after Olive St	2022/23	No	Scheduled to be completed by 30 June 2023
2122208	Eastwood	Balaclava Rd before Lincoln St	2022/23	No	Scheduled to be completed by 30 June 2023
2122144	Marsfield	Balaclava Rd before Abuklea Rd	2022/23	No	Scheduled to be completed by 30 June 2023
212282	Eastwood	Balaclava Rd at Gwendale Cres	2022/23	No	Scheduled to be completed by 30 June 2023
212286	Eastwood	Balaclava Rd at Corunna Rd	2022/23	No	Scheduled to be completed by 30 June 2023
211429	West Ryde	Ryedale Rd before Anzac Ave	2022/23	No	Scheduled to be completed by 30 June 2023
211235	Ryde	Bowden St before Sewell St	2022/23	No	Scheduled to be completed by 30 June 2023
2113171	North Ryde	Lane Cove Rd opp Allengrove Cres	2022/23	No	Scheduled to be completed by 30 June 2023
212280	Eastwood	Balaclava Rd opp Gordon St	2022/23	No	Scheduled to be completed by 30 June 2023
2111114	Gladesville	Morrison Rd opp Champion Rd	2022/23	No	Scheduled to be completed by 30 June 2023
211267	Ryde	Church St opp Junction St	2022/23	No	Scheduled to be completed by 30 June 2023
2112211	Ryde	Parkes St opp Samuel St	2022/23	No	Scheduled to be completed by 30 June 2023
211162	Gladesville	Pittwater Rd opp Aston St	2022/23	No	Scheduled to be completed by 30 June 2023
2122105	Eastwood	Clanwilliam St at Darvall Rd	2022/23	No	Scheduled to be completed by 30 June 2023
2113201	Macquarie Park	Lane Cove Rd after Talavera Rd	2022/23	No	Scheduled to be completed by 30 June 2023
211352	North Ryde	Macquarie Church of Christ, Kent Rd	2022/23	No	Scheduled to be completed by 30 June 2023
2112175	Ryde	Blaxland Rd after Reservoir Lane	2022/23	No	Scheduled to be completed by 30 June 2023
2112176	Ryde	Blaxland Rd after Melville St	2022/23	No	Scheduled to be completed by 30 June 2023
211161	Gladesville	Pittwater Rd at Ryde Rd	2022/23	No	Scheduled to be completed by 30 June 2023
Shop Ryder 2A	Ryde	Top Ryde City Shopping Centre	2022/23	No	Scheduled to be completed by 30 June 2023
211271	Ryde	Church St at Morrison Rd	2022/23	No	Scheduled to be completed by 30 June 2023
211325	North Ryde	Epping Rd opp Delhi Rd	2022/23	No	Scheduled to be completed by 30 June 2023
2112164	Ryde	Quarry Rd opp Woodbine Cres	2022/23	No	Scheduled to be completed by 30 June 2023
2122189	Denistone East	Blaxland Rd at Birdwood St	2022/23	No	Scheduled to be completed by 30 June 2023
2113153	North Ryde	Wicks Rd at Chisholm St	2022/23	No	Scheduled to be completed by 30 June 2023
2112109	Putney	Delange Rd at Phillip Rd	2022/23	No	Scheduled to be completed by 30 June 2023
211328	North Ryde	Epping Rd before Lane Cove Rd	2022/23	No	Scheduled to be completed by 30 June 2023
211278	Putney	Morrison Rd after Acacia Ave	2022/23	No	Scheduled to be completed by 30 June 2023
2113167	North Ryde	Lane Cove Rd at Trevitt Rd	2022/23	No	Scheduled to be completed by 30 June 2023
2113218	North Ryde	Lane Cove Rd after Twin Rd	2022/23	No	Scheduled to be completed by 30 June 2023
2112232	Ryde	Bowden St opp Presbyterian Church	2022/23	No	Scheduled to be completed by 30 June 2023
211416	West Ryde	Ryedale Rd after Marlow Ave	2022/23	No	Scheduled to be completed by 30 June 2023
211113	Gladesville	Victoria Rd opp Tennyson Rd	2022/23	No	Scheduled to be completed by 30 June 2023
211326	North Ryde	Epping Rd at Ryrrie St	2022/23	No	Scheduled to be completed by 30 June 2023
2112161	Ryde	Quarry Rd after Arthur St	2022/23	No	Scheduled to be completed by 30 June 2023
211111	Gladesville	Cambridge St at Harvard St	2022/23	No	Scheduled to be completed by 30 June 2023
211266	Ryde	Lane Cove Rd at Curzon St	2022/23	No	Scheduled to be completed by 30 June 2023
211159	Gladesville	High St after Pittwater Rd	2022/23	No	Scheduled to be completed by 30 June 2023
2111110	Gladesville	Victoria Rd before Tennyson Rd	2022/23	No	Scheduled to be completed by 30 June 2023
211433	Meadowbank	Bowden St opp Underdale Lane	2022/23	No	Scheduled to be completed by 30 June 2023
2112111	Putney	Delange Rd at Phillip Rd	2022/23	No	Scheduled to be completed by 30 June 2023
211286	Putney	Charles St at Morrison Rd	2022/23	No	Scheduled to be completed by 30 June 2023
2112133	Ryde	Morrison Rd after Church St	2022/23	No	Scheduled to be completed by 30 June 2023
2112215	Putney	Cleves Park, Douglas St	2022/23	No	Scheduled to be completed by 30 June 2023
211246	Ryde	Twin Rd at John Miller St	2022/23	No	Scheduled to be completed by 30 June 2023
211181	Gladesville	62 Higginbotham Rd	2022/23	No	Scheduled to be completed by 30 June 2023
211164	Gladesville	Pittwater Rd opp Auburn St	2022/23	No	Scheduled to be completed by 30 June 2023
2113217	Macquarie Park	Lane Cove Rd before Epping Rd	2022/23	No	Scheduled to be completed by 30 June 2023
2113105	East Ryde	Lumsdaine Ave at Elliott Ave	2022/23	No	Scheduled to be completed by 30 June 2023
2113102	East Ryde	Elliott Ave before Sager Pl	2022/23	No	Scheduled to be completed by 30 June 2023
2112145	Ryde	Bridge Rd opp Olive St	2022/23	No	Scheduled to be completed by 30 June 2023
2112141	Ryde	Bridge Rd at Watts Rd	2022/23	No	Scheduled to be completed by 30 June 2023
2111107	Gladesville	Morrison Rd before Western Cres	2022/23	No	Scheduled to be completed by 30 June 2023
211384	East Ryde	Moncrieff Dr opp Cilento Cres	2022/23	No	Scheduled to be completed by 30 June 2023
2112193	Ryde	Buffalo Rd at Greene Ave	2022/23	No	Scheduled to be completed by 30 June 2023
2112105	Putney	Delange Rd opp Chadwick St	2022/23	No	Scheduled to be completed by 30 June 2023
211152	Gladesville	Thompson St at Westminster Rd	2022/23	No	Scheduled to be completed by 30 June 2023
211459	West Ryde	Victoria Rd after Marsden Rd	2023/24	No	To be completed before 31 December 2023
2113311	Macquarie Park	Macquarie Park Station, Waterloo Rd, Stand C	2023/24	No	To be completed before 31 December 2023
211145	Gladesville	Victoria Rd before Tennyson Rd	2023/24	No	To be completed before 31 December 2023
2122141	Marsfield	Balaclava Rd after Epping Rd	2023/24	No	To be completed before 31 December 2023
212217	Marsfield	Epping Rd after Balaclava Rd	2023/24	No	To be completed before 31 December 2023
211253	Ryde	Lane Cove Rd at Price St	2023/24	No	To be completed before 31 December 2023
2113211	Macquarie Park	Waterloo Rd opp Khartoum Rd	2023/24	No	To be completed before 31 December 2023
212290	Marsfield	Epping Rd before Culloden Rd	2023/24	No	To be completed before 31 December 2023
211249	Ryde	Badajoz Rd before Quarry Rd	2023/24	No	To be completed before 31 December 2023
2113195	Macquarie Park	Fontenoy Rd at Khartoum Rd	2023/24	No	To be completed before 31 December 2023
211396	North Ryde	Lane Cove Rd before Ford St	2023/24	No	To be completed before 31 December 2023
2113302	Macquarie Park	Epping Rd before Delhi Rd	2023/24	No	To be completed before 31 December 2023
2122145	Marsfield	Balaclava Rd after Abuklea Rd	2023/24	No	To be completed before 31 December 2023
2113177	Macquarie Park	Delhi Rd opp Julius Ave	2023/24	No	To be completed before 31 December 2023
212249	Marsfield	Herring Rd opp Bridge Rd	2023/24	No	To be completed before 31 December 2023
212231	Marsfield	15 Busaco Rd	2023/24	No	To be completed before 31 December 2023
2113301	Macquarie Park	Macquarie University Station, Herring Rd, Stand F	2023/24	No	To be completed before 31 December 2023

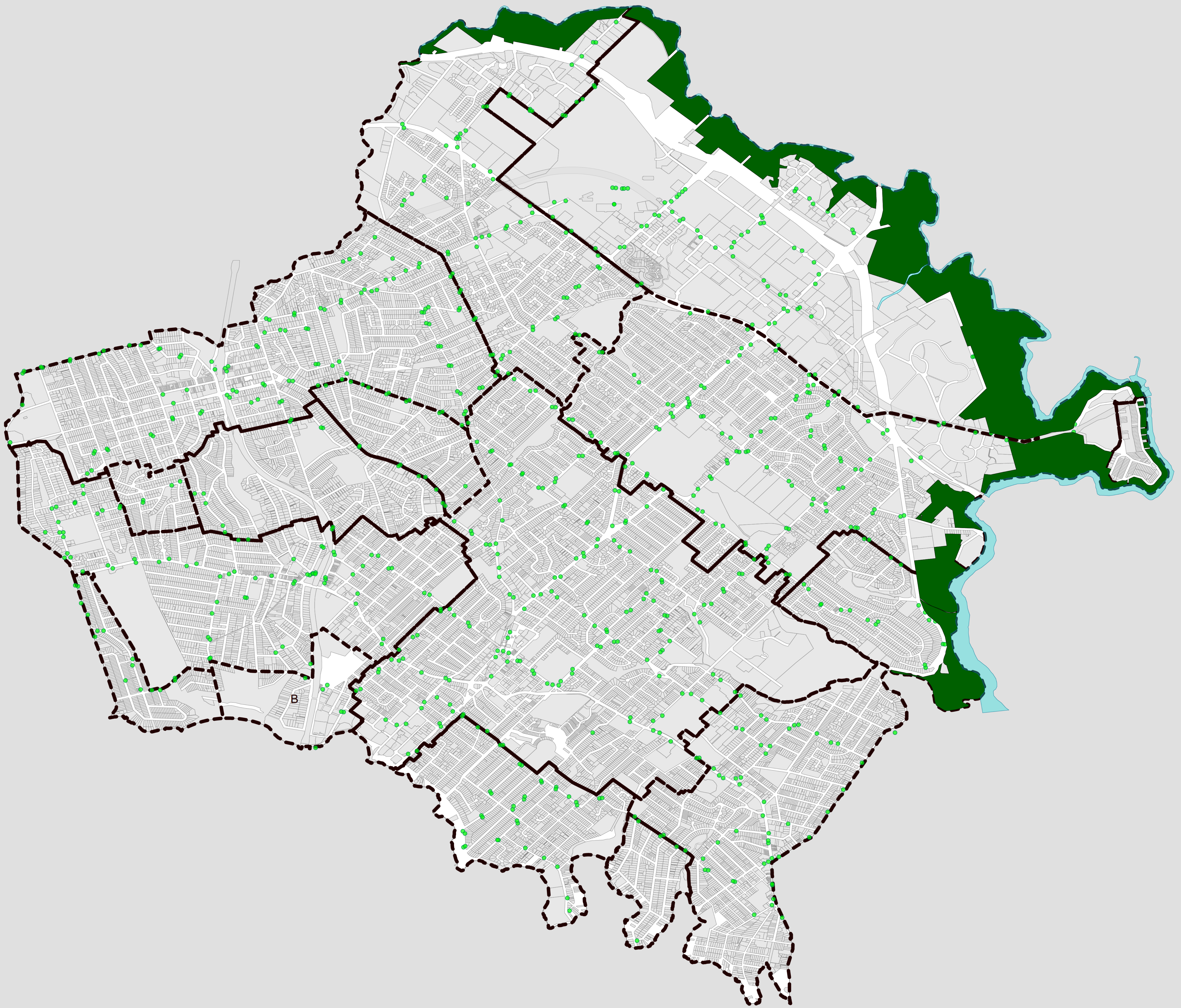
2114124	West Ryde	Hermoyne St at Winbourne St	2023/24	No	To be completed before 31 December 2023
2113182	North Ryde	Morshead St at Wicks Rd	2023/24	No	To be completed before 31 December 2023
2113145	North Ryde	Edmonson St at Rowell St	2023/24	No	To be completed before 31 December 2023
2112214	Putney	Douglas St opp Cleves Park	2023/24	No	To be completed before 31 December 2023
2112108	Putney	Waterview St opp Bennelong Park	2023/24	No	To be completed before 31 December 2023
2112104	Putney	Delange Rd at Chadwick St	2023/24	No	To be completed before 31 December 2023
212266	Eastwood	Lovell Rd after Blaxland Rd	2023/24	No	To be completed before 31 December 2023
2122219	Eastwood	Clan Alpine St at Trelawney St	2023/24	No	To be completed before 31 December 2023
212264	Eastwood	Lovell Rd at Pickford Ave	2023/24	No	To be completed before 31 December 2023
2121176	Marsfield	Lovell Rd opp Orange St	2023/24	No	To be completed before 31 December 2023
2113169	North Ryde	Lane Cove Rd at Napier Cres	2023/24	No	To be completed before 31 December 2023
2113101	East Ryde	Elliott Ave at Rudd St	2023/24	No	To be completed before 31 December 2023
2112132	Putney	Morrison Rd before Church St	2023/24	No	To be completed before 31 December 2023
211149	Gladesville	Buffalo Rd opp Nelson St	2023/24	No	To be completed before 31 December 2023
2113155	North Ryde	Wicks Rd opp Betty Hendry Pde	2023/24	No	To be completed before 31 December 2023
2113154	North Ryde	Wicks Rd at Barr St	2023/24	No	To be completed before 31 December 2023
211390	North Ryde	Bridge Rd opp Brendon St	2023/24	No	To be completed before 31 December 2023
2113215	Macquarie Park	Khartoum Rd before Waterloo Rd	2023/24	No	To be completed before 31 December 2023
212281	Eastwood	Balacava Rd after Gordon St	2023/24	No	To be completed before 31 December 2023
212297	Eastwood	Ryedale Rd after Third Ave	2023/24	No	To be completed before 31 December 2023
212289	Eastwood	May St after Blaxland Rd	2023/24	No	To be completed before 31 December 2023
212262	Eastwood	Lovell Rd at Orange St	2023/24	No	To be completed before 31 December 2023
211250	Ryde	Pidding Park, Pidding Rd	2023/24	No	To be completed before 31 December 2023
2122171	Eastwood	North Rd opp Banksia St	2023/24	No	To be completed before 31 December 2023
2122176	Eastwood	Threlfall St after North Rd	2023/24	No	To be completed before 31 December 2023
211378	Macquarie Park	Khartoum Rd before Talavera Rd	2023/24	No	To be completed before 31 December 2023
2112207	Ryde	Lane Cove Rd before Goulding Rd	2023/24	No	To be completed before 31 December 2023
2112100	Putney	Pellissier Rd opp Putney Park	2023/24	No	To be completed before 31 December 2023
211457	Ermington	Wharf Rd opp Cobham Lane	2023/24	No	To be completed before 31 December 2023
2122110	Eastwood	Clanwilliam St opp Coronation Ave	2023/24	No	To be completed before 31 December 2023
2113152	North Ryde	Wicks Rd at Betty Hendry Pde	2023/24	No	To be completed before 31 December 2023
212153	Eastwood	Vimiera Rd after Deborah Pl	2023/24	No	To be completed before 31 December 2023
2115112	Eastwood	Vimiera Rd opp Eastwood Rugby Club	2023/24	No	To be completed before 31 December 2023
2113111	East Ryde	Pittwater Rd opp Rene St	2023/24	No	To be completed before 31 December 2023
2122155	Eastwood	North Rd after Threlfall St	2023/24	No	To be completed before 31 December 2023
2122136	Eastwood	North Rd at Threlfall St	2023/24	No	To be completed before 31 December 2023
2122131	Marsfield	Vimiera Rd opp CSIRO Marsfield	2023/24	No	To be completed before 31 December 2023
2113165	North Ryde	Wicks Rd before Farrington Pde	2023/24	No	To be completed before 31 December 2023
2113134	North Ryde	Coxs Rd opp Shaw St	2023/24	No	To be completed before 31 December 2023
2113126	North Ryde	Magdala Rd after Pittwater Rd	2023/24	No	To be completed before 31 December 2023
2113122	North Ryde	Twin Rd at Numa Rd	2023/24	No	To be completed before 31 December 2023
2112213	Ryde	Buffalo Rd at Kells Rd	2023/24	No	To be completed before 31 December 2023
2112107	Putney	Bennelong Park, Waterview St	2023/24	No	To be completed before 31 December 2023
2111119	Gladesville	Gerard St opp Evan St	2023/24	No	To be completed before 31 December 2023
2111117	Gladesville	Ross St at Blair St	2023/24	No	To be completed before 31 December 2023
212276	Eastwood	Lansdowne St opp Edgar St	2023/24	No	To be completed before 31 December 2023
211454	Melrose Park	Cobham Ave before Parer St	2023/24	No	To be completed before 31 December 2023
211451	Melrose Park	Meadowbank Park, Andrew St	2023/24	No	To be completed before 31 December 2023
211299	Putney	Pellissier Rd opp Putney Park	2023/24	No	To be completed before 31 December 2023
211296	Putney	Pellissier Rd at Stanley St	2023/24	No	To be completed before 31 December 2023
211287	Putney	Charles St before Phillip Rd	2023/24	No	To be completed before 31 December 2023
211213	Ryde	Bowden St after Sewell St	2023/24	No	To be completed before 31 December 2023
2111100	Gladesville	Monash Rd after Victoria Rd	2023/24	No	To be completed before 31 December 2023
2114140	Denistone	Blaxland Rd opp Haig Ave	2023/24	No	To be completed before 31 December 2023
2122195	Marsfield	Abuklea Rd opp Longview St	2023/24	No	To be completed before 31 December 2023
2112233	Ryde	Bowden St at Victoria Rd	2023/24	No	To be completed before 31 December 2023
2112224	Ryde	Presbyterian Church, Bowden St	2023/24	No	To be completed before 31 December 2023
2112194	Ryde	Buffalo Rd at Crescent Ave	2023/24	No	To be completed before 31 December 2023
2122172	Eastwood	North Rd opp Woorang St	2023/24	No	To be completed before 31 December 2023
2114157	Melrose Park	Wharf Rd before Taylor Ave	2023/24	No	To be completed before 31 December 2023
2112135	Ryde	Morrison Rd before Belmore St	2023/24	No	To be completed before 31 December 2023
211183	Gladesville	Western Cres before Morrison Rd	2023/24	No	To be completed before 31 December 2023
211242	Ryde	Quarry Rd at Badajoz Rd	2023/24	No	To be completed before 31 December 2023
2112138	Ryde	Belmore St opp Constitution Rd	2023/24	No	To be completed before 31 December 2023
2122190	Denistone East	Blaxland Rd after Haig Ave	2023/24	No	To be completed before 31 December 2023
2113178	North Ryde	Delhi Rd before Julius Ave	2023/24	No	To be completed before 31 December 2023
212282	Putney	Morrison Rd opp Delange Rd	2023/24	No	To be completed before 30 June 2024
2113203	Macquarie Park	Epping Rd before Wicks Rd	2023/24	No	To be completed before 30 June 2024
2113190	Macquarie Park	Fontenoy Rd Before Lane Cove Rd	2023/24	No	To be completed before 30 June 2024
211380	Macquarie Park	Talavera Rd before Lane Cove Rd	2023/24	No	To be completed before 30 June 2024
211334	Macquarie Park	Waterloo Rd before Vimiera Rd	2023/24	No	To be completed before 30 June 2024
211447	West Ryde	Victoria Rd after Riverview St	2023/24	No	To be completed before 30 June 2024
211274	Ryde	Victoria Rd before Bowden St	2023/24	No	To be completed before 30 June 2024
2113242	Macquarie Park	Epping Rd before Lane Cove Rd	2023/24	No	To be completed before 30 June 2024
2113239	Macquarie Park	Epping Rd before Herring Rd	2023/24	No	To be completed before 30 June 2024
2112139	Ryde	Constitution Rd before Belmore St	2023/24	No	To be completed before 30 June 2024
2111102	Gladesville	Morrison Rd at Tennyson Rd	2023/24	No	To be completed before 30 June 2024
211395	North Ryde	Lane Cove Rd after Bridge Rd	2023/24	No	To be completed before 30 June 2024
211353	North Ryde	Kent Rd opp Ryde Community Sports Centre	2023/24	No	To be completed before 30 June 2024
211346	Macquarie Park	Herring Rd after Ivanhoe Pl	2023/24	No	To be completed before 30 June 2024
2114137	West Ryde	Lions Park, Victoria Rd	2023/24	No	To be completed before 30 June 2024
2122138	Marsfield	Balacava Rd after Agincourt Rd	2023/24	No	To be completed before 30 June 2024
2113241	Macquarie Park	Epping Rd opp Paul St	2023/24	No	To be completed before 30 June 2024

211385	East Ryde	Sager Place Centre, Sager Pl	2023/24	No	To be completed before 30 June 2024
211356	North Ryde	Holy Spirit Primary School, Coxs Rd	2023/24	No	To be completed before 30 June 2024
211348	North Ryde	Kent Rd before Milroy St	2023/24	No	To be completed before 30 June 2024
211347	North Ryde	Kent Rd opp Macquarie Church of Christ	2023/24	No	To be completed before 30 June 2024
2113225	Macquarie Park	Waterloo Rd at Khartoum Rd	2023/24	No	To be completed before 30 June 2024
2112178	Ryde	Blaxland Rd at Melville St	2023/24	No	To be completed before 30 June 2024
2113219	Macquarie Park	Waterloo Rd after Coolinga St	2023/24	No	To be completed before 30 June 2024
2113205	North Ryde	Epping Rd after Wicks Rd	2023/24	No	To be completed before 30 June 2024
2113170	North Ryde	Lane Cove Rd at Lorna Ave	2023/24	No	To be completed before 30 June 2024
211265	Ryde	Lane Cove Rd at Myra Ave	2023/24	No	To be completed before 30 June 2024
211499	West Ryde	Victoria Rd at Forsyth St	2023/24	No	To be completed before 30 June 2024
211471	West Ryde	Victoria Rd at Bellevue Ave	2023/24	No	To be completed before 30 June 2024
2113226	Macquarie Park	Waterloo Rd opp Coolinga St	2023/24	No	To be completed before 30 June 2024
2113189	Macquarie Park	Fontenoy Rd after Lane Cove Rd	2023/24	No	To be completed before 30 June 2024
2113176	North Ryde	Delhi Rd after Julius Ave	2023/24	No	To be completed before 30 June 2024
212253	Marsfield	Ranch Hotel, Herring Rd	2023/24	No	To be completed before 30 June 2024
211335	Marsfield	Marsfield Park, Vimiera Rd	2023/24	No	To be completed before 30 June 2024
2114131	West Ryde	Ryde Parramatta Golf Club, Victoria Rd	2023/24	No	To be completed before 30 June 2024
211116	Gladesville	Victoria Rd opp Gerard St	2023/24	No	To be completed before 30 June 2024
2113250	Macquarie Park	Macquarie University Campus, University Ave, Stand A	2023/24	No	To be completed before 30 June 2024
2122126	Eastwood	Terry Rd at Tarrants Ave	2023/24	No	To be completed before 30 June 2024
2112204	Ryde	Lane Cove Rd opp Byron Park	2023/24	No	To be completed before 30 June 2024
211366	North Ryde	Macquarie Hospital, Coxs Rd	2023/24	No	To be completed before 30 June 2024
211341	Macquarie Park	Herring Rd opp Ivanhoe Pl	2023/24	No	To be completed before 30 June 2024
211330	North Ryde	Epping Rd at Hawkes Pathway	2023/24	No	To be completed before 30 June 2024
211262	Ryde	Goulding Rd after Macleay St	2023/24	No	To be completed before 30 June 2024
211261	Ryde	Goulding Rd at Keppel St	2023/24	No	To be completed before 30 June 2024
2113221	Macquarie Park	Waterloo Rd at Byfield St	2023/24	No	To be completed before 30 June 2024
212287	Eastwood	Balaclava Rd at Hunts Ave	2023/24	No	To be completed before 30 June 2024
2113196	Macquarie Park	Fontenoy Rd at Khartoum Rd	2023/24	No	To be completed before 30 June 2024
Shop Ryder 1B	Gladesville	Gladesville Shops then Gladesville Library	2023/24	No	To be completed before 30 June 2024
2114134	West Ryde	Victoria Rd at Mirool St	2023/24	No	To be completed before 30 June 2024
2113207	Macquarie Park	Lane Cove Rd before Talavera Rd	2023/24	No	To be completed before 30 June 2024
212272	Eastwood	Gordon St at Lansdowne St	2023/24	No	To be completed before 30 June 2024
212285	Eastwood	Balaclava Rd at Bligh St	2023/24	No	To be completed before 30 June 2024
211448	West Ryde	Adelaide St at Moss St	2023/24	No	To be completed before 30 June 2024
212273	Eastwood	Gordon St opp Lansdowne St	2023/24	No	To be completed before 30 June 2024
212217	Eastwood	Clanlaine St opp St. Philip's Church	2023/24	No	To be completed before 30 June 2024
2122130	Eastwood	Terry Rd opp Milton Ave	2023/24	No	To be completed before 30 June 2024
2114117	Denistone West	Tramway St at Glenayr Ave	2023/24	No	To be completed before 30 June 2024
212269	Eastwood	Gordon St after Welby St	2023/24	No	To be completed before 30 June 2024
2113114	East Ryde	Brereton Park, Pittwater Rd	2023/24	No	To be completed before 30 June 2024
2122117	North Ryde	Booth Reserve, Epping Rd	2023/24	No	To be completed before 30 June 2024
2122196	Marsfield	Eastwood Rugby Club, Vimiera Rd	2023/24	No	To be completed before 30 June 2024
2122218	Eastwood	Clanlaine St after Trelawney St	2023/24	No	To be completed before 30 June 2024
2122200	Marsfield	Abuklea Rd after Summit Cl	2023/24	No	To be completed before 30 June 2024
212223	Marsfield	Vimiera Rd opp Marsfield Park	2023/24	No	To be completed before 30 June 2024
2122109	Eastwood	Clanwilliam St at Coronation Ave	2023/24	No	To be completed before 30 June 2024
2114141	Denistone	Blaxland Rd opp Beattie Park	2023/24	No	To be completed before 30 June 2024
211389	North Ryde	Bridge Rd at Smalls Rd	2023/24	No	To be completed before 30 June 2024
2112153	Ryde	Santa Rosa Park, Quarry Rd	2024/25	No	To be completed before 31 December 2024
212255	North Ryde	Ryde Community Sports Centre, Kent Rd	2024/25	No	To be completed before 31 December 2024
212234	Marsfield	Vimiera Rd opp Epping Boys High School	2024/25	No	To be completed before 31 December 2024
211351	North Ryde	Kent Rd at Ada St	2024/25	No	To be completed before 31 December 2024
212221	Marsfield	Epping Rd at Crimea Rd	2024/25	No	To be completed before 31 December 2024
212218	Marsfield	Epping Rd at Culloden Rd	2024/25	No	To be completed before 31 December 2024
211361	North Ryde	Blenhiem Rd opp Clarence St	2024/25	No	To be completed before 31 December 2024
211259	Ryde	Goulding Rd opp Macleay St	2024/25	No	To be completed before 31 December 2024
2113243	Macquarie Park	Epping Rd after Lane Cove Rd	2024/25	No	To be completed before 31 December 2024
2113244	Lane Cove North	Northern Suburbs Memorial Gardens, Delhi Rd	2024/25	No	To be completed before 31 December 2024
2111104	Gladesville	Bremner Park, Morrison Rd	2024/25	No	To be completed before 31 December 2024
211248	East Ryde	Badajoz Rd after Callaghan St	2024/25	No	To be completed before 31 December 2024
212245	Eastwood	Loveell Rd opp Richmond St	2024/25	No	To be completed before 31 December 2024
2114162	Melrose Park	Cobham Ave opp Parer St	2024/25	No	To be completed before 31 December 2024
211379	Macquarie Park	Talavera Rd after Khartoum Rd	2024/25	No	To be completed before 31 December 2024
2114151	West Ryde	Parkes St at Hermitage Rd	2024/25	No	To be completed before 31 December 2024
2113161	North Ryde	Wicks Rd before Twin Rd	2024/25	No	To be completed before 31 December 2024
2113159	North Ryde	Wicks Rd after Twin Rd	2024/25	No	To be completed before 31 December 2024
2112230	Putney	Kissing Point Park, Waterview St	2024/25	No	To be completed before 31 December 2024
211450	Meadowbank	Adelaide St at Constitution Rd West	2024/25	No	To be completed before 31 December 2024
211289	Putney	Charles St at Phillip Rd	2024/25	No	To be completed before 31 December 2024
211153	Gladesville	Thompson St at The Strand	2024/25	No	To be completed before 31 December 2024
2112185	Ryde	Blaxland Rd opp Northern Sydney TAFE	2024/25	No	To be completed before 31 December 2024
212278	Eastwood	Moore Park, Balaclava Rd	2024/25	No	To be completed before 31 December 2024
2114138	Denistone	The Church of Jesus Christ, Blaxland Rd	2024/25	No	To be completed before 31 December 2024
2112177	Ryde	Blaxland Rd opp Melville St	2024/25	No	To be completed before 31 December 2024
2112150	Ryde	Quarry Rd before North Rd	2024/25	No	To be completed before 31 December 2024
212263	Denistone East	Loveell Rd at Russell St	2024/25	No	To be completed before 31 December 2024
212222	Marsfield	Epping Boys High School, Vimiera Rd	2024/25	No	To be completed before 31 December 2024
211461	Melrose Park	Taylor Ave at Cobham Ave	2024/25	No	To be completed before 31 December 2024
211214	Ryde	Victoria Rd after Bowden St	2024/25	No	To be completed before 31 December 2024
2112229	Putney	Waterview St opp Kissing Point Park	2024/25	No	To be completed before 31 December 2024
2113112	East Ryde	308 Pittwater Rd	2024/25	No	To be completed before 31 December 2024

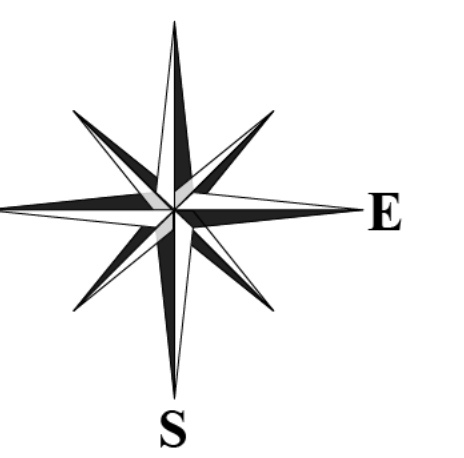
2122178	Eastwood	Threlfall St opp Granny Smith Memorial Park	2024/25	No	To be completed before 31 December 2024
2113142	North Ryde	Edmonson St opp Kokoda St	2024/25	No	To be completed before 31 December 2024
2112197	Ryde	Gardener Ave at Jones St	2024/25	No	To be completed before 31 December 2024
2112195	Ryde	Gardener Ave at Buffalo Rd	2024/25	No	To be completed before 31 December 2024
2112169	Ryde	Gardener Ave at Quarry Rd	2024/25	No	To be completed before 31 December 2024
211467	West Ryde	Adelaide St at Hibble St	2024/25	No	To be completed before 31 December 2024
2112110	Ryde	Princes St before Clayton St	2024/25	No	To be completed before 31 December 2024
211177	Gladesville	Monash Rd at Buffalo Rd	2024/25	No	To be completed before 31 December 2024
2117121	Eastwood	Terry Rd opp Darvall Rd	2024/25	No	To be completed before 31 December 2024
2112120	Putney	Payten St at Phillip Rd	2024/25	No	To be completed before 31 December 2024
211215	Ryde	Victoria Rd opp Ryde Police Station	2024/25	No	To be completed before 31 December 2024
2113121	North Ryde	Twin Rd at Boyce St	2024/25	No	To be completed before 31 December 2024
2112191	Ryde	Buffalo Rd after Lane Cove Rd	2024/25	No	To be completed before 31 December 2024
2114125	West Ryde	Marsden High School, Winbourne St	2024/25	No	To be completed before 31 December 2024
2113158	North Ryde	Wicks Rd opp Macquarie Hospital	2024/25	No	To be completed before 31 December 2024
2113118	East Ryde	Badajoz Rd at Coxs Rd	2024/25	No	To be completed before 31 December 2024
211147	Gladesville	Buffalo Rd at Nelson St	2024/25	No	To be completed before 31 December 2024
2122127	Eastwood	Terry Rd opp Tarrants Ave	2024/25	No	To be completed before 31 December 2024
FID 17	East Ryde	Cressy Rd at Coxs Rd	2024/25	No	To be completed before 31 December 2024
2112165	Ryde	Quarry Rd after Dobson Cres	2024/25	No	To be completed before 31 December 2024
212229	Marsfield	Talavera Rd at Busaco Rd	2024/25	No	To be completed before 31 December 2024
2121181	Eastwood	Vimiera Rd before Deborah Pl	2024/25	No	To be completed before 31 December 2024
2122213	Eastwood	First Ave before Ryedale Rd	2024/25	No	To be completed before 31 December 2024
2122212	Eastwood	First Ave after East Pde	2024/25	No	To be completed before 31 December 2024
2122211	Eastwood	Terry Rd before Midson Rd	2024/25	No	To be completed before 31 December 2024
2114104	Denistone West	Bencoolen Ave before Chatham Rd	2024/25	No	To be completed before 31 December 2024
2114103	West Ryde	Bencoolen Ave before Bellvue Ave	2024/25	No	To be completed before 31 December 2024
2113136	East Ryde	Coxs Rd at Jeanette St	2024/25	No	To be completed before 31 December 2024
2113110	East Ryde	Rene St opp McCallum Ave	2024/25	No	To be completed before 31 December 2024
2112217	Ryde	Princes St opp Ryde Park	2024/25	No	To be completed before 31 December 2024
212277	Eastwood	Lansdowne St at Blaxland Rd	2024/25	No	To be completed before 31 December 2024
212275	Eastwood	Lansdowne St at Edgar St	2024/25	No	To be completed before 31 December 2024
211478	West Ryde	Marsden Rd before Winbourne St	2024/25	No	To be completed before 31 December 2024
211470	West Ryde	Adelaide St before Victoria Rd	2024/25	No	To be completed before 31 December 2024
211146	Gladesville	47 Buffalo Rd	2024/25	No	To be completed before 31 December 2024
2113108	East Ryde	Rene St at McCallum Ave	2024/25	No	To be completed before 31 December 2024
211435	West Ryde	Ryedale Rd before Marlow Ave	2024/25	No	To be completed before 31 December 2024
211256	Ryde	Bridge Rd at Dorothy St	2024/25	No	To be completed before 31 December 2024
2113104	East Ryde	Lumsdaine Ave after Elliott Ave	2024/25	No	To be completed before 31 December 2024
2112192	Ryde	Buffalo Rd after Smith St	2024/25	No	To be completed before 31 December 2024
211294	Putney	Pellissier Rd at Mitchell St	2024/25	No	To be completed before 31 December 2024
2117134	Eastwood	Terry Rd opp Brush Farm Corrective Services Academy	2024/25	No	To be completed before 31 December 2024
2122201	Eastwood	Abuklea Rd after Threlfall St	2024/25	No	To be completed before 31 December 2024
2122135	Marsfield	Agincourt Rd at Culloden Rd	2024/25	No	To be completed before 31 December 2024
2122106	Eastwood	Clanwilliam St at Read St	2024/25	No	To be completed before 31 December 2024
211288	Putney	Charles St before Morrison Rd	2024/25	No	To be completed before 31 December 2024
2122173	Eastwood	North Rd at Woorang St	2024/25	No	To be completed before 31 December 2024
2112162	Ryde	Quarry Rd opp Arthur St	2024/25	No	To be completed before 31 December 2024
2112134	Ryde	Morrison Rd before Church St	2024/25	No	To be completed before 31 December 2024
2111105	Tennyson Point	Morrison Rd at Bayview St	2024/25	No	To be completed before 31 December 2024
211372	Macquarie Park	Talavera Rd after Lane Cove Rd	2024/25	No	To be completed before 31 December 2024
212283	Eastwood	Balaclava Rd at Alexandria Ave	2024/25	No	To be completed before 30 June 2025
211363	North Ryde	Blenhiem Rd opp Edmondson St	2024/25	No	To be completed before 30 June 2025
2112251	Ryde	Ryde Fire Station, Blaxland Rd	2024/25	No	To be completed before 30 June 2025
211373	Macquarie Park	15 Talavera Rd	2024/25	No	To be completed before 30 June 2025
2122118	Marsfield	Epping Rd after Herring Rd	2024/25	No	To be completed before 30 June 2025
211375	Macquarie Park	Khartoum Rd after Talavera Rd	2024/25	No	To be completed before 30 June 2025
2112128	Ryde	Morrison Rd at Princes St	2024/25	No	To be completed before 30 June 2025
211285	Putney	Charles St at Morrison Rd	2024/25	No	To be completed before 30 June 2025
211160	Gladesville	Pittwater Rd before Thompson St	2024/25	No	To be completed before 30 June 2025
2113140	North Ryde	Edmondson St at Blenheim Rd	2024/25	No	To be completed before 30 June 2025
2113100	North Ryde	North Ryde Golf Club, Twin Rd	2024/25	No	To be completed before 30 June 2025
211374	Macquarie Park	Talavera Rd at Khartoum Rd	2024/25	No	To be completed before 30 June 2025
211260	Ryde	Goulding Rd at Twin Rd	2024/25	No	To be completed before 30 June 2025
211212	Ryde	Bowden St after Parkes St	2024/25	No	To be completed before 30 June 2025
2122188	Denistone East	Blaxland Rd opp The Church of Jesus Christ	2024/25	No	To be completed before 30 June 2025
211154	Gladesville	Thompson St opp The Strand	2024/25	No	To be completed before 30 June 2025
2113162	North Ryde	Macquarie Hospital, Wicks Rd	2024/25	No	To be completed before 30 June 2025
2111101	Tennyson Point	Morrison Rd after Tennyson Rd	2024/25	No	To be completed before 30 June 2025
211343	Macquarie Park	Macquarie University Station, Herring Rd, Stand E	2024/25	No	To be completed before 30 June 2025
212239	Marsfield	Herring Rd at Patricia St	2024/25	No	To be completed before 30 June 2025
211466	West Ryde	Andrew St opp Meadowbank Park	2024/25	No	To be completed before 30 June 2025
2113240	Macquarie Park	Epping Rd opp Booth Reserve	2024/25	No	To be completed before 30 June 2025
2112129	Putney	Morrison Rd at Princes St	2024/25	No	To be completed before 30 June 2025
2122137	Marsfield	Agincourt Rd at Balaclava Rd	2024/25	No	To be completed before 30 June 2025
211393	North Ryde	Bridge Rd at Eastview Ave	2024/25	No	To be completed before 30 June 2025
211492	Meadowbank	Bowden St at Underdale Lane	2024/25	No	To be completed before 30 June 2025
2117135	Eastwood	Terry Rd at Milton Ave	2024/25	No	To be completed before 30 June 2025
2113186	Macquarie Park	Waterloo Road near Thomas Holt Drive	2024/25	No	To be completed before 30 June 2025
211456	Ermington	Wharf Rd opp 29	2024/25	No	To be completed before 30 June 2025
2112205	Ryde	Byron Park, Lane Cove Rd	2024/25	No	To be completed before 30 June 2025
211258	Ryde	Bridge Rd at Patricia St	2024/25	No	To be completed before 30 June 2025
2113245	Lane Cove North	Delhi Rd opp Northern Suburbs Memorial Gardens	2024/25	No	To be completed before 30 June 2025

2112244	Ryde	Constitution Rd at Hamilton Cr West	2024/25	No	To be completed before 30 June 2025
2122221	Marsfield	Epping Rd at Sobraon Rd	2024/25	No	To be completed before 30 June 2025
212258	Eastwood	Brush Park Bowling Club, Marsden Rd	2024/25	No	To be completed before 30 June 2025
2114149	West Ryde	Tramway St at Darvall Rd	2024/25	No	To be completed before 30 June 2025
211399	North Ryde	Twin Rd opp Bond St	2024/25	No	To be completed before 30 June 2025
2122216	Eastwood	St. Philip's Church, Clanalpine St	2024/25	No	To be completed before 30 June 2025
2114127	West Ryde	Wendy Park, Farnell St	2024/25	No	To be completed before 30 June 2025
211148	Gladesville	Buffalo Rd at Owen St	2024/25	No	To be completed before 30 June 2025
2114110	Denistone	Bellevue Ave opp Beaumont Ave	2024/25	No	To be completed before 30 June 2025
211382	North Ryde	Twin Rd opp John Miller St	2024/25	No	To be completed before 30 June 2025
2112212	Ryde	Buffalo Rd opp Kells Rd	2024/25	No	To be completed before 30 June 2025
2122108	Eastwood	Clanwilliam St before Darvall Rd	2024/25	No	To be completed before 30 June 2025
2114139	Denistone	Blaxland Rd opp Birdwood St	2024/25	No	To be completed before 30 June 2025
2114119	West Ryde	Tramway St at Darvall Rd	2024/25	No	To be completed before 30 June 2025
2114116	Denistone West	Tramway St at Crosby St	2024/25	No	To be completed before 30 June 2025
2122214	Eastwood	First Ave after Ryedale Rd	2024/25	No	To be completed before 30 June 2025
2114145	Denistone West	Perkins St opp Genner St	2024/25	No	To be completed before 30 June 2025
2114115	Denistone	Bellevue Ave after Bigland Ave	2024/25	No	To be completed before 30 June 2025
2114108	Denistone	Bellevue Ave opp Burmah Rd	2024/25	No	To be completed before 30 June 2025
2113131	North Ryde	Cressy Rd at Coxs Rd	2024/25	No	To be completed before 30 June 2025
2112170	Ryde	Gardener Ave at Quarry Rd	2024/25	No	To be completed before 30 June 2025
2112101	Putney	McGowan St at Pellisier Rd	2024/25	No	To be completed before 30 June 2025
211178	Gladesville	Monash Rd opp Buffalo Rd	2024/25	No	To be completed before 30 June 2025
211391	North Ryde	Bridge Rd after Brendon St	2024/25	No	To be completed before 30 June 2025
2111111	Gladesville	Victoria Rd after Hepburn Ave	2024/25	No	To be completed before 30 June 2025
211364	North Ryde	Blenheim Rd after Jopling St	2024/25	No	To be completed before 30 June 2025
2114111	Denistone	Beaumont Ave at Shaftsbury Rd	2024/25	No	To be completed before 30 June 2025
2113146	North Ryde	Edmonson St opp Rowell St	2024/25	No	To be completed before 30 June 2025
2113143	North Ryde	Edmonson St after Sturdee St	2024/25	No	To be completed before 30 June 2025
2112171	Ryde	Gardener Ave opp Bidgee Rd	2024/25	No	To be completed before 30 June 2025
212247	Eastwood	14 Tallwood Ave	2024/25	No	To be completed before 30 June 2025
212242	Eastwood	21 Tallwood Ave	2024/25	No	To be completed before 30 June 2025
211279	Putney	Morrison Rd after Bass St	2024/25	No	To be completed before 30 June 2025
2113168	North Ryde	Lane Cove Rd opp Trevitt Rd	2024/25	No	To be completed before 30 June 2025
2112223	Ryde	Princes St at Crescent Ave	2024/25	No	To be completed before 30 June 2025
2112218	Ryde	Ryde Park, Princes St	2024/25	No	To be completed before 30 June 2025
2112116	Ryde	Charles St opp Kenneth St	2024/25	No	To be completed before 30 June 2025
211392	North Ryde	Bridge Rd at Flinders Rd	2024/25	No	To be completed before 30 June 2025
2113216	Macquarie Park	Lane Cove Rd after Epping Rd	2024/25	No	To be completed before 30 June 2025
2111118	Gladesville	Monash Rd before Victoria Rd	2024/25	No	To be completed before 30 June 2025
2112238	Ryde	Aitchandar Rd at Bidgee Rd	2024/25	No	To be completed before 30 June 2025
2111120	Gladesville	Western Cres at Tyrell St	2025/26	No	To be completed before 31 October 2025
211388	North Ryde	Bridge Rd opp Eastview Ave	2025/26	No	To be completed before 31 October 2025
2122194	Eastwood	Abuklea Rd at Longview St	2025/26	No	To be completed before 31 October 2025
2122104	Eastwood	Warramong St opp Read St	2025/26	No	To be completed before 31 October 2025
2114129	West Ryde	Brush Rd after Warramong St	2025/26	No	To be completed before 31 October 2025
2111109	Tennyson Point	Champion Rd at Tennyson Rd	2025/26	No	To be completed before 31 October 2025
2112201	Ryde	Hardy Park, Buffalo Rd	2025/26	No	To be completed before 31 October 2025
2122210	Eastwood	Pickford Ave before Lovell Rd	2025/26	No	To be completed before 31 October 2025
2114112	Denistone West	West Denistone Park, Perkins St	2025/26	No	To be completed before 31 October 2025
2113183	North Ryde	Morshead St after Wicks Rd	2025/26	No	To be completed before 31 October 2025
2113129	North Ryde	Cressy Rd opp Lionel Ave	2025/26	No	To be completed before 31 October 2025
2113127	North Ryde	Magdala Rd at Pittwater Rd	2025/26	No	To be completed before 31 October 2025
2113123	North Ryde	Twin Rd opp Numa Rd	2025/26	No	To be completed before 31 October 2025
2113120	North Ryde	Twin Rd opp Boyce St	2025/26	No	To be completed before 31 October 2025
2112250	Ryde	Forrest Rd after Aitchandar Rd	2025/26	No	To be completed before 31 October 2025
2112237	Ryde	Aitchandar Rd opp Bidgee Rd	2025/26	No	To be completed before 31 October 2025
2112236	Ryde	Bidgee Rd opp Bidgee Park	2025/26	No	To be completed before 31 October 2025
2112168	Ryde	Quarry Rd after Jones St	2025/26	No	To be completed before 31 October 2025
2113115	East Ryde	Pittwater Rd opp Brereton Park	2025/26	No	To be completed before 31 October 2025
2113113	East Ryde	Pittwater Rd opp 306	2025/26	No	To be completed before 31 October 2025
2113111	East Ryde	Pittwater Rd opp Rene St	2025/26	No	To be completed before 31 October 2025
2113133	East Ryde	Coxs Rd after Shaw St	2025/26	No	To be completed before 31 October 2025

12. Schedule 3: Ryde LGA Map with Bus Stop Locations



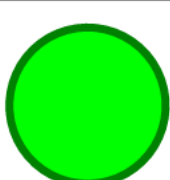
Bus Stop Locations City of Ryde_2021



 City of Ryde

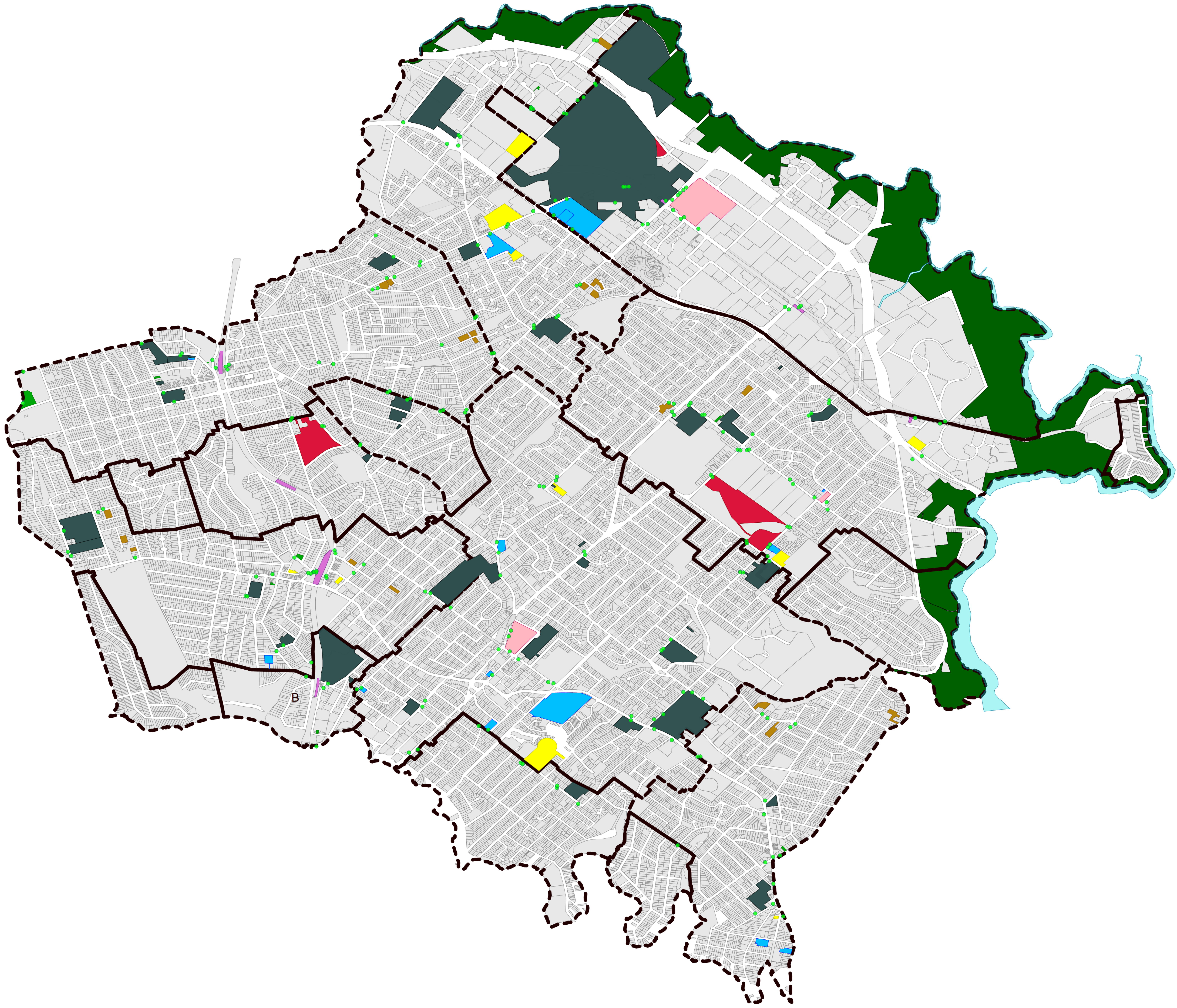
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LEGEND

Symbol & Colour Code	Asset Type	Number of Locations
	Bus Stops	23







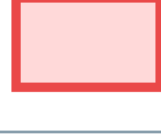


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D p a m n t	s e s & n a t u e
D w n g	u s t p o c i n s
a e	2 2 2
ca e	30 0

13. Schedule 4: Bus Stop Upgrade Rollout Map (to 31 December 2022) with Key Centres and Facilities



Priority Bus Stops Near Community Facilities Infrastructure & Transport Hub

LEGEND

Co our Code	Fac I ty Type	Nbr of Loca ions
	ged Ca e	14
	Bus to s	23
	C mm ni yF c l i s	10
	Ds b l ySe vce P ovd rs	10
	H spt ls	3
	H us ng L nk	20
	Sho p ng Cen r s	4
	ra nS a i ns	7
	c oo s T fe & Un ve s ies	65



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