



BUSINESS PAPER

Notice is hereby given in accordance with the *Local Government Act 1993* and *Local Government (General) Regulation 2005* of the below mentioned meeting.

Traffic Committee Meeting

Wednesday, 07 December 2022

Commencing at 10:30 AM

Shellharbour Civic Centre

AGENDA

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1. Attendance

Record of attendees to be taken at the meeting.

2. Acknowledgement to Country

Shellharbour City Council acknowledges the Traditional Custodians of the Dharawal Country and recognise their continued connection to the land we meet on today. We pay our respects to Elders past, present and emerging and the contribution they make to the life of this city and this region and extend our recognition to their descendants who continue to live on country.

3. Apologies / Leave of Absence

4. Confirmation of Minutes

4.1. Traffic Committee Meeting 2 November 2022

That the Minutes of the Traffic Committee Meeting held on 2 November 2022 as circulated be taken as read and confirmed as a correct record of proceedings.

5. Addresses to Traffic Committee

6. Disclosure of Interest

7. Presentations

8. Traffic Reports

8.1. Shellharbour Rocks the Flats - Proposed Temporary Full Road Closures

To the Chief Executive Officer

| | |
|---------------------|--|
| Directorate: | Community and Customers |
| Group: | Community Connections |
| Manager: | Toni Lindwall– Manager Community Engagement and Activation |
| Author: | Sophia Ruting – Events and Activations Officer |

Summary

The purpose of this report is to seek endorsement from the Committee for the temporary full road closures for the Shellharbour Rocks the Flats event on 11 February 2023 (as shown in **Attachment 1**). As per the Traffic Management Plan (TMP), the following temporary full road closures are proposed for:

- Fisher Street from Central Avenue to 38 Fisher Street, Oak Flats
- Ayers Lane carpark (between Kingston Street and Fisher Street)
- Ayers Lane from the intersection of Kingston Street up to and including 76 Central Avenue

Background

Shellharbour Rocks the Flats is a live and local, performing arts festival to be held at in Oak Flats, 11 February 2023. The events will operate over a single day and include a program of live performances, workshops, displays and stalls, designed to ensure a steady flow of attendees throughout the day and evening (as shown in **Attachment 2**).

The proposed temporary changes to parking are recommended to provide accessible parking close to the event site and improve pedestrian safety.

The Traffic Management Plan will be tabled at the meeting. This plan has been created for the purpose of the Shellharbour Rocks the Flats event. Traffic Management Services have been engaged to develop this plan and will be finalised pending any feedback from the Traffic Committee.

The proposed temporary full road closures as shown in the Traffic Management Plan includes:

- Fisher Street from Central Avenue to 38 Fisher Street, Oak Flats
- Ayers Lane carpark (between Kingston Street and Fisher Street)
- Ayers Lane from the intersection of Kingston Street up to and including 76 Central Avenue

Proposed temporary changes would be in place from 6:00am the day of event to 8:00pm (11 Feb 2023), to allow for an event set up and pack down period.

A VMS board will be used to alert attendees of the road closures, one week prior to the event.

Residents and business owners will be notified of the temporary changes to traffic conditions via a letter box drop on 10 February 2023.

Road closures will be controlled by Traffic Management Services, and additional signage will be in place for the day.

Crowded place assessments have been undertaken, and the event organiser has worked closely with emergency stakeholders and traffic management consultants.

Communications on how to get to this event, with a heavy emphasis on sustainable transport, are a large part of our overall marketing campaign. There are public transport options that will be promoted on social media and Council's marketing channels to encourage attendees to travel via public transport. Guests will also be encouraged to bike ride and park and walk into the event site.

Financial / Resources Implications

If approved, works will be carried out by Traffic Management Services and funded by Council.

Legal and Policy Implications

Nil.

Public / Social Impact

Traffic flow in and around the event will be altered for the duration of the closure and signage will be provided to give early notification of these changes to traffic.

Link to Community Strategic Plan

This report supports the following objectives and strategies of the Community Strategic Plan:

| | | |
|-------------------|-------|--|
| Objective: | 1.1 | We inspire community spirit |
| Strategy: | 1.1.1 | Foster creativity and events that bring people together |
| Objective: | 1.2 | We are a liveable community |
| Strategy: | 1.2.4 | Our town centres are activated, liveable, and provide a welcoming sense of place |
| Objective: | 2.2 | We are a beautiful and connected City |
| Strategy: | 2.2.2 | Provide and promote a sustainable and integrated active travel and transport network |

Consultations

The following consultations were undertaken:

Internal

- Manager Community Engagement and Activation
- Manager Compliance and Regulation
- Risk and Auditor Manager
- Acting Manager Floodplain and Transport
- Acting Group Manager Built and Natural Environment

External

- Traffic Management Services
- Emergency Services
- Oztech Security

Political Donations Disclosure

Not Applicable.

Committee Recommendation

That Council approve the Traffic Management Plan for the following temporary full road closures for the Shellharbour Rocks the Flats at Oak Flats (to be tabled at meeting):

- **Fisher Street from Central Avenue to 38 Fisher Street, Oak Flats**
- **Ayers Lane carpark (between Kingston Street and Fisher Street)**
- **Ayers Lane from the intersection of Kingston Street up to and including 76 Central Avenue**

Approved By

| | |
|--|---|
| Approved for Council's Consideration: | Adam De Clouett Acting Group Manager Built and Natural Environment |
| Date of Meeting: | 07 December 2022 |

Attachments

1. Locality Plan
2. Event Site Plan

Attachment 1 - Locality Plan

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Attachment 2 - Event Site Plan



8.2. Central Avenue, Oak Flats - Relocation of Mobility Impaired Parking Space and Extension of Existing No Stopping Zone

To the Chief Executive Officer

| | |
|---------------------|---|
| Directorate: | Amenity and Assets |
| Group: | Built and Natural Environment |
| Manager: | Adam De Clouett Acting Group Manager Built and Natural Environment |
| Author: | Wayne Wilson Acting Manager Floodplain and Transport |

Summary

The purpose of this report is to seek endorsement from the Committee for the relocation of the existing mobility parking space from Central Avenue to Kingston Street, and the extension of the existing 'No Stopping' zone along Central Avenue, Oak Flats (as shown in **Attachment 1**).

Background

Council has received a customer request to review the current parking arrangements along the eastern alignment of Central Avenue, south of Kingston Street, Oak Flats due to concerns of parked vehicles limiting access to business driveways and consequently reducing driver sight distance when entering and exiting their driveway.

Council's Transport team conducted a site investigation of this area, and it was observed that a mobility parking space on Central Avenue did not provide a safe accessible path of travel on the footpath, forcing mobility impaired road users to use the South Coast Boatshed driveway to access the footpath. On-site discussion with business owners of South Coast Boatshed also indicated difficulty in exiting their driveway when travelling south along Central Avenue, due to vehicles parked in the first parking space south of the current chevron line marked region.

To address the concerns raised, the following changes are proposed (as shown in **Attachment 2**):

- Relocation of the existing 'Mobility' parking space from Central Avenue to Kingston Street
- Installation of one 'No Stopping' (L + R) sign and extension of the existing 'No Stopping' zone between Central Avenue and Kingston Street

Swept path assessments were conducted for this location (as shown in **Attachment 3**) and it was observed a small rigid vehicle was able to navigate across this driveway. It is anticipated that the proposed changes will assist with driver sight distance when entering and exiting this driveway and consequently improve the turning path for vehicles when exiting.

The proposed changes (as shown **Attachment 2**) were discussed with Council's Community Development Officer who also consulted with the Access Committee in October. Both the Community Development Officer and Access Committee advise support for the proposed changes.

Consultation letters were sent to business along Central Avenue in November, excluding feedback received from the on-site discussion with business owners of South Coast Boatshed, Council has not received any other feedback regarding this matter.

Financial / Resources Implications

If approved, works will be carried out and funded by Council.

Legal and Policy Implications

Nil.

Public / Social Impact

- Relocation of one mobility impaired parking space from Central Avenue to Kingston Street
- Removal of one 2-hour parking time restricted parking space along Kingston Street
- Clearer delineation of available on street parking and 'No Stopping' zone along Central Avenue and Kingston Street

Link to Community Strategic Plan

This report supports the following objectives and strategies of the Community Strategic Plan:

| | | |
|-------------------|--------------|---|
| Objective: | 1.2 | We are a liveable community |
| Strategy: | 1.2.1 | Inclusive, accessible and safe spaces for our entire community |
| Strategy: | 1.2.3 | Construct and upgrade buildings and infrastructure that meet current and future community needs |

Consultations

The following consultations were undertaken:

Internal

- Acting Manager Floodplain and Transport
- Manager Compliance and Regulation
- Road Safety Officer
- Community Development Officer

External

- Consultation letters sent to 8 businesses along Central Avenue, Oak Flats
- Access Committee

Political Donations Disclosure

Not Applicable

Committee Recommendation

That Council approve the proposed relocation of the existing mobility impaired parking space from Central Avenue to Kingston Street, and the extension of the existing 'No Stopping' zone along Central Avenue, Oak Flats (as shown in Attachment 2).

Approved By

| | |
|--|---|
| Approved for Council's Consideration: | Adam De Clouett Acting Group Manager Built and Natural Environment |
| Date of Meeting: | 07 December 2022 |

Attachments

1. Locality Plan
2. Signage and Linemarking Plan
3. Swept Path Assessment

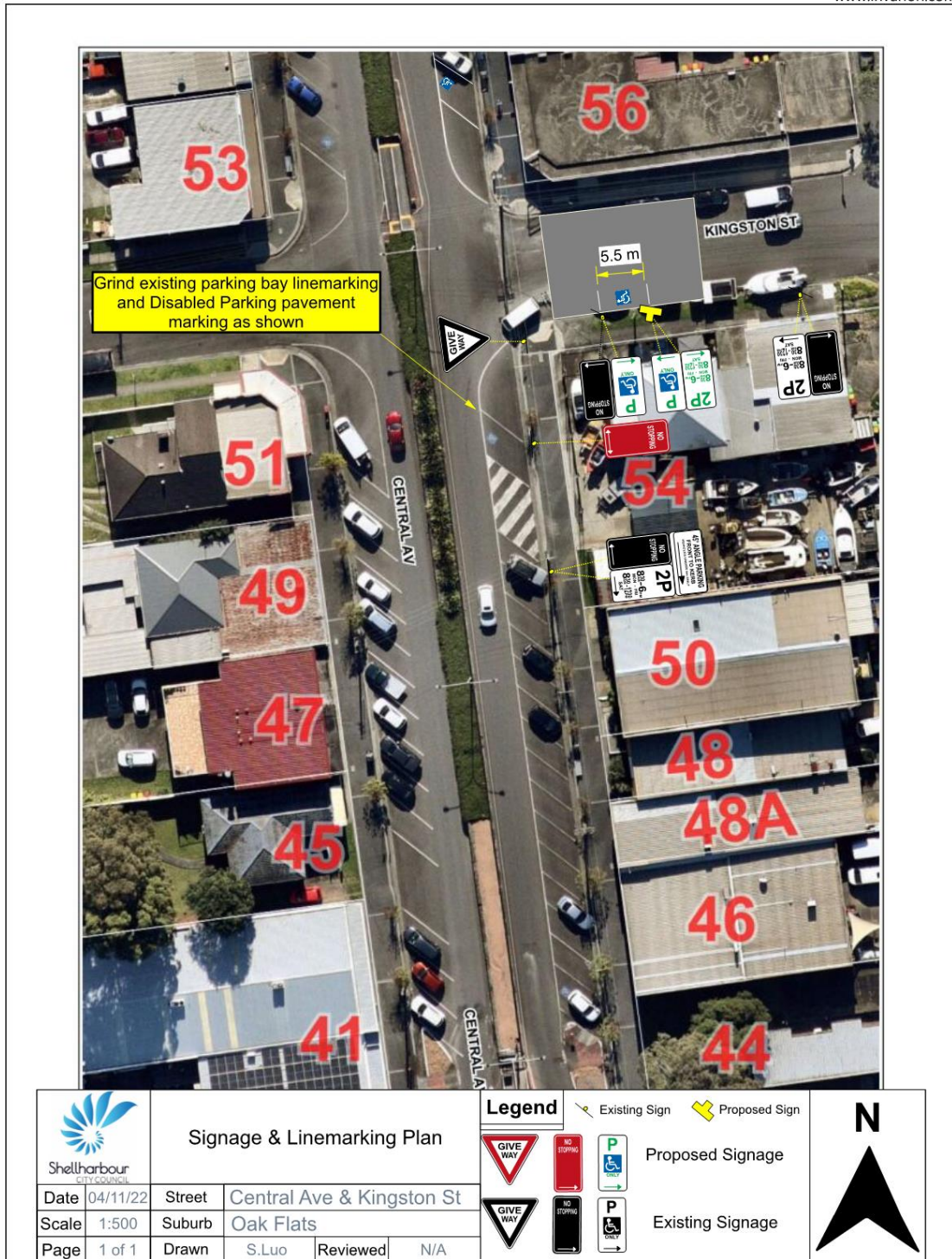
Attachment 1 - Locality Plan

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Attachment 2 - Signage and Linemarking Plan

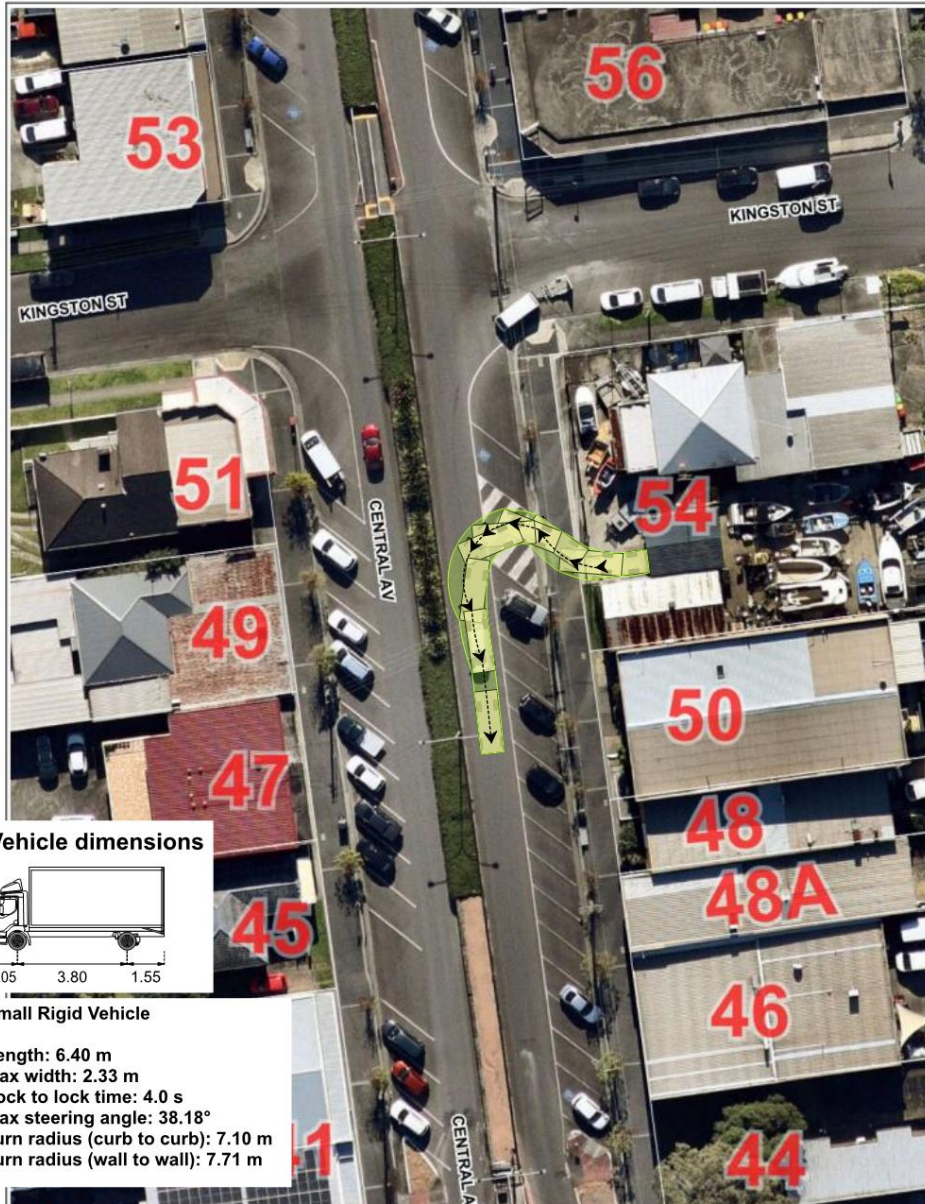
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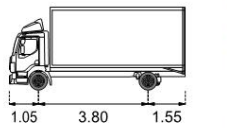
Attachment 3 - Swept Path Assessment

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All line marking to be installed in accordance with Transport for NSW Delineation Guidelines
All signage to be installed in accordance with AS1742.2



Vehicle dimensions



Small Rigid Vehicle

- Length: 6.40 m
- Max width: 2.33 m
- Lock to lock time: 4.0 s
- Max steering angle: 38.18°
- Turn radius (curb to curb): 7.10 m
- Turn radius (wall to wall): 7.71 m

| | | | | | | |
|--|-----------------------|----------|--------|---------------------------|----------|--|
|  <p>Shellharbour CITY COUNCIL</p> | Swept Path Assessment | | | Legend | | <p>N</p>  |
| | Date | 22/11/22 | Street | Central Ave & Kingston St | | |
| | Scale | 1:500 | Suburb | Oak Flats | | |
| | Page | 1 of 1 | Drawn | S.Luo | Reviewed | |

8.3. Moore Street, Oak Flats - Installation of Signage and Linemarking

To the Chief Executive Officer

| | |
|---------------------|---|
| Directorate: | Amenity and Assets |
| Group: | Built and Natural Environment |
| Manager: | Adam De Clouett Acting Group Manager Built and Natural Environment |
| Author: | Wayne Wilson Acting Manager Floodplain and Transport |

Summary

The purpose of this report is to seek endorsement from the Committee for the proposed signage and linemarking installation along Moore Street, Oak Flats (as shown in **Attachment 1**).

Background

Council has received a customer request to review the current parking arrangement and signage along Moore Street due to potential road safety concerns when turning from Brigadoon Circuit into Moore Street, Oak Flats. The customer also advised that the area experienced high volumes of traffic particularly during school zone pick up and drop off times, with drivers illegally parking on nature strips and across driveways.

Council's Transport team conducted a site investigation of the area, and it was observed that the intersection of Moore Street, Brigadoon Street, and Miller Street did not meet the minimum required safe intersection sight distance requirements for a 50kph speed limit. Following the inspection, it is recommended the concerns raised be addressed with the following:

1. Installation of 3 x 'No Stopping' signs to reinforce the 10 metre 'No Stopping' rule as per NSW Road Rules No.170 at Moore Street and Miller Street/Brigadoon Circuit
2. Extension of existing 'No Stopping' zone along Moore Street to improve driver sight distance at the intersections of Moore Street and Brigadoon Circuit
3. Installation of 2 x 15 metres of Double Barrier (BB) centre linemarking along Moore Street on the approach of the intersections (as shown in **Attachment 2**)

4. Removal of existing 'Give Way' sign at the intersection of Moore Street and Brigadoon Circuit and replacement with a 'Stop' sign and associated linemarking

Community consultation was undertaken in October 2022 seeking feedback from residents along Brigadoon Circuit, Miller Street and Moore Street regarding the proposed changes. Council has not received any feedback from the October consultation period.

Financial / Resources Implications

If approved, works will be carried out and funded by Council.

Legal and Policy Implications

Nil.

Public / Social Impact

- Improved sight distance at intersection of Moore Street and adjoining streets
- Improved road safety and access to Moore Street and adjoining streets
- Removal of two kerbside parking spaces along Moore Street, Oak Flats

Link to Community Strategic Plan

This report supports the following objectives and strategies of the Community Strategic Plan:

| | | |
|-------------------|-------|--|
| Objective: | 1.2 | We are a liveable community |
| Strategy: | 1.2.1 | Inclusive, accessible and safe spaces for our entire community transport network |
| Strategy: | 1.2.3 | Construct and upgrade buildings and infrastructure that meets current and future community needs |

Consultations

The following consultations were undertaken:

Internal

- Acting Group Manager Built and Natural Environment
- Manager Compliance and Regulation
- Road Safety Officer

External

Consultation letters sent to six residents along Brigadoon Circuit, Miller Street and Moore Street, Oak Flats.

Political Donations Disclosure

Not Applicable.

Committee Recommendation

That Council approve the proposed signage and linemarking along Moore Street, Oak Flats (as shown in Attachment 2).

Approved By

| | |
|--|---|
| Approved for Council's Consideration: | Adam De Clouett Acting Group Manager Built and Natural Environment |
| Date of Meeting: | 07 December 2022 |

Attachments

1. Moore Street, Oak Flats - Locality Plan
2. Moore Street, Oak Flats - Signage and Linemarking Plan

Attachment 1 - Moore Street, Oak Flats - Locality Plan

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Attachment 2 - Moore Street, Oak Flats - Signage and Linemarking

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All line marking to be installed in accordance with Transport for NSW Delineation Guidelines
 All signage to be installed in accordance with AS1742.2



| | | | | | | |
|----------------------------------|------------------------------|----------|--------|--------------------------|--|----------|
| <p>Shellharbour CITY COUNCIL</p> | Signage and Linemarking Plan | | | | Legend Proposed Sign Pole Existing Sign Pole Dividing Barrier Line (BB) Give-Way Line (TB & TB1) Stop Line (TF) No Stopping (r5-400) Stop (r1-1) | <p>N</p> |
| | Date | 15/11/22 | Street | Moore St & Brigadoon Cct | | |
| | Scale | 1:500 | Suburb | Oak Flats | | |
| | Page | 1 of 1 | Drawn | S.Luo | | |

8.4. Tongarra Road, Albion Park - Amendment to Existing No Stopping zone

To the Chief Executive Officer

| | |
|---------------------|---|
| Directorate: | Amenity and Assets |
| Group: | Built and Natural Environment |
| Manager: | Adam De Clouett Acting Group Manager Built and Natural Environment |
| Author: | Wayne Wilson Acting Manager Floodplain and Transport |

Summary

The purpose of this report is to seek endorsement from the Committee for the amendment of the current 'No Stopping' zone along Tongarra Road, east of Stapleton Avenue, Albion Park (as shown in **Attachment 1**).

Background

Council has received a customer request to review the current 'No Stopping' zone along the northern alignment of Tongarra Road, east of Stapleton Avenue, Albion Park and provide clarification to the existing signage as the 'No Stopping' zone is not closed off by a sign.

Council's Transport team has reviewed the concerns raised at this location and recommends the installation of one 'No Stopping' (L + R) sign and one 'No Stopping' (R) along Tongarra Road to close off the existing 'No Stopping' zone. The 'No Stopping' sign west of Stapleton Avenue is proposed to be installed on the existing street light pole (as shown in **Attachment 2**). Consideration was given to the 'No Stopping' sign commencing to the east of the driveway to 92 Tongarra Road, allowing for one kerbside parking space between the driveway and current 'Bus Zone', however, this may impede eastbound traffic flow along should a vehicle be stationary on Tongarra Road waiting to turn right into Stapleton Avenue. Therefore, it is recommended that the 'No Stopping' sign be installed west of the driveway (as shown on **Attachment 2**). This will result in the loss of a total of four on-street parking spaces along the northern alignment of Tongarra Road, Albion Park.

These proposed changes are anticipated to improve traffic flow along Tongarra Road, particularly during peak travel times and assist with navigating around vehicles turning right into Stapleton Avenue, Albion Park.

Financial / Resources Implications

If approved, works will be carried out and funded by Council.

Legal and Policy Implications

Nil

Public / Social Impact

- Improved delineation of available on-street parking along Tongarra Road
- Improved traffic flow along Tongarra Road and navigability around vehicles turning right into Stapleton Avenue
- Loss of four on-street parking spaces along Tongarra Road

Link to Community Strategic Plan

This report supports the following objectives and strategies of the Community Strategic Plan:

| | | |
|-------------------|-------|---|
| Objective: | 1.2 | We are a liveable community |
| Strategy: | 1.2.1 | Inclusive, accessible and safe spaces for our entire community |
| Strategy: | 1.2.3 | Construct and upgrade buildings and infrastructure to meet current and future community needs |

Consultations

The following consultations were undertaken:

Internal

- Acting Group Manager Built and Natural Environment
- Manager Compliance and Regulation
- Road Safety Officer

External

Nil

Political Donations Disclosure

Not Applicable

Committee Recommendation

That Council approve the proposed amendment to the existing 'No Stopping' zone along the northern alignment of Tongarra Road, at Stapleton Avenue, Albion Park (as shown in Attachment 2).

Approved By

| | |
|--|---|
| Approved for Council's Consideration: | Adam De Clouett Acting Group Manager Built and Natural Environment |
| Date of Meeting: | 07 December 2022 |

Attachments

1. Tongarra Road, Albion Park - Locality Plan
2. Tongarra Road, Albion Park - Signage Plan

Attachment 1 - Tongarra Road, Albion Park - Locality Plan

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Printed: 21/11/2022

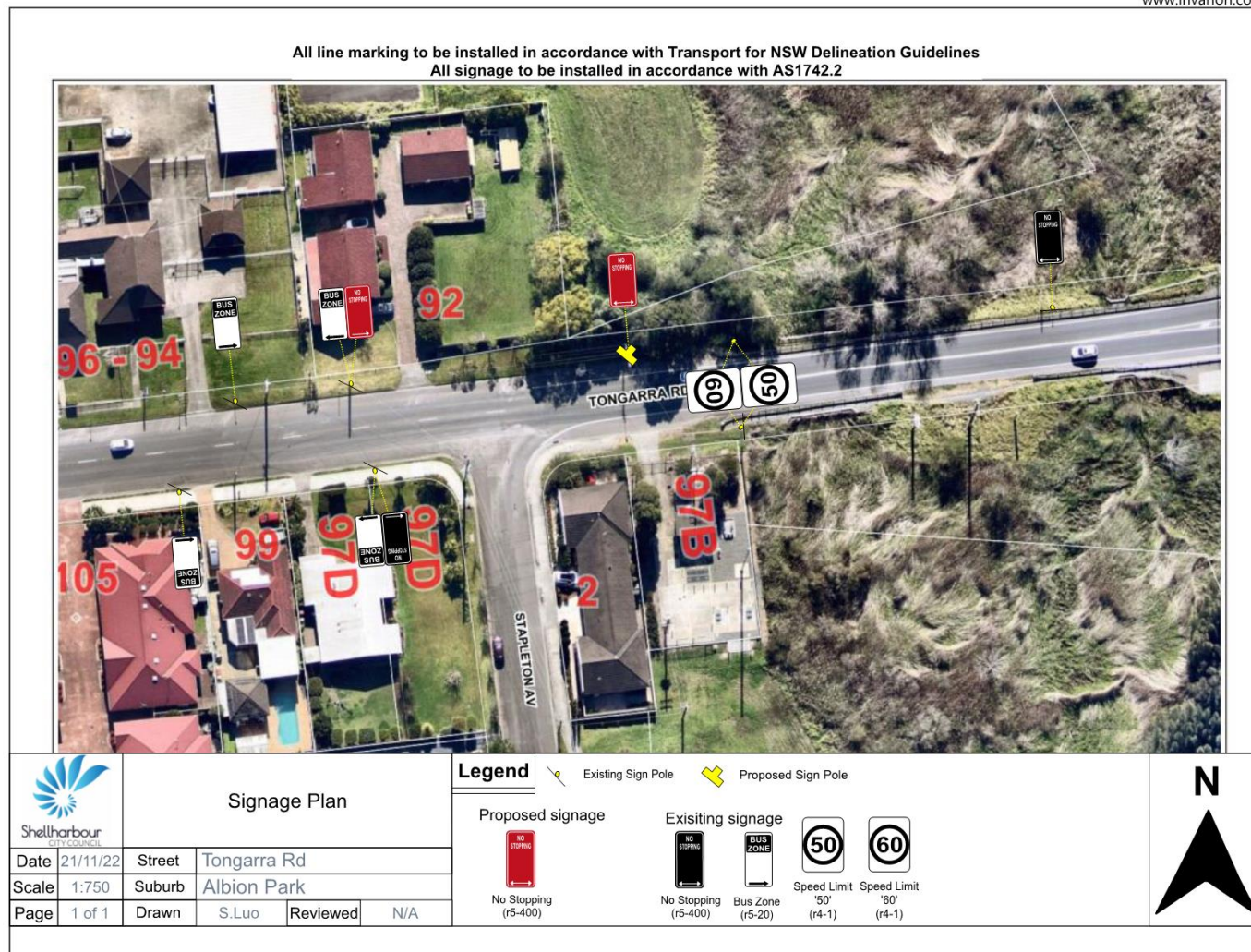
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Scale: 1:3500



Attachment 2 - Tongarra Road, Albion Park - Signage Plan



8.6. Tullimbar - Amendment to Current No Parking Signage for Waste Collection

To the Chief Executive Officer

| | |
|---------------------|---|
| Directorate: | Amenity and Assets |
| Group: | Built and Natural Environment |
| Manager: | Adam De Clouett Acting Group Manager Built and Natural Environment |
| Author: | Stephanie Luo Engineering Technical Officer |

Summary

The purpose of this report is to seek endorsement from the Committee for the amendment of the current 'No Parking' signage for waste collection in Tullimbar from '6:00AM - 9:00AM Monday' to '6:00AM - 9:00AM Friday' (as shown in **Attachment 1**).

Background

Council has received a request from the Waste and Recovery Resource Manager to amend the current time restricted 'No Parking' signage for waste collection in Tullimbar to assist with service times due to the increase of residential properties in the Tullimbar and Calderwood suburbs. The proposed signage changes are to replace the current signposting from 'MONDAY' to 'FRIDAY' and retain the current time restrictions 6:00AM – 9:00AM. This proposed change will allow REMONDIS to service Tullimbar and Calderwood on different days and ensure all waste collections occur within the specified time restriction.

The following communication strategy to advise residents of the proposed changes to multiple locations across Tullimbar (as shown in **Attachment 1**) are as follows:

- REMONDIS to send out one letter of notice in November and one letter of notice close to the changeover of waste collection date
- Council to create a social media post detailing the changes
- Council to advise Councillors of the changes
- Council to create a news article for the Shellharbour Waste website

The waste collection service dates as advised by the Waste and Recovery Resource Manger are as follows:

- REMONDIS to service as scheduled on Monday 28 November 2022

- REMONIDS to service as scheduled on Monday 05 December and to provide additional waste collection on Friday 09 December 2022 (1 week prior to changeover)
- REMONDIS to begin services on Friday only as per the proposed changes beginning on Friday 16 December 2022

Financial / Resources Implications

If approved, works will be carried out and funded by Councils Domestic Waste fund.

Legal and Policy Implications

Nil

Public / Social Impact

- Improved waste collection service time for residential areas of Tullimbar
- Restriction of kerbside parking along multiple streets within Tullimbar between 6:00AM – 9:00AM Fridays

Link to Community Strategic Plan

This report supports the following objectives and strategies of the Community Strategic Plan:

| | | |
|-------------------|-------|---|
| Objective: | 1.2 | We are a liveable community |
| Strategy: | 1.2.3 | Construct and upgrade buildings and infrastructure that meet current and future community needs |

Consultations

The following consultations were undertaken:

Internal

- Acting Group Manager Built and Natural Environment
- Acting Manger Floodplain and Transport
- Waste and Recovery Resource Manager
- Manager Compliance and Regulation

External

Nil

Political Donations Disclosure

Not Applicable

Committee Recommendation

That Council approve the amendments to the current 'No Parking' signage for waste collection in Tullimbar from '6:00AM – 9:00AM Monday' to '6:00AM – 9:00AM Friday' (as shown in Attachment 2).

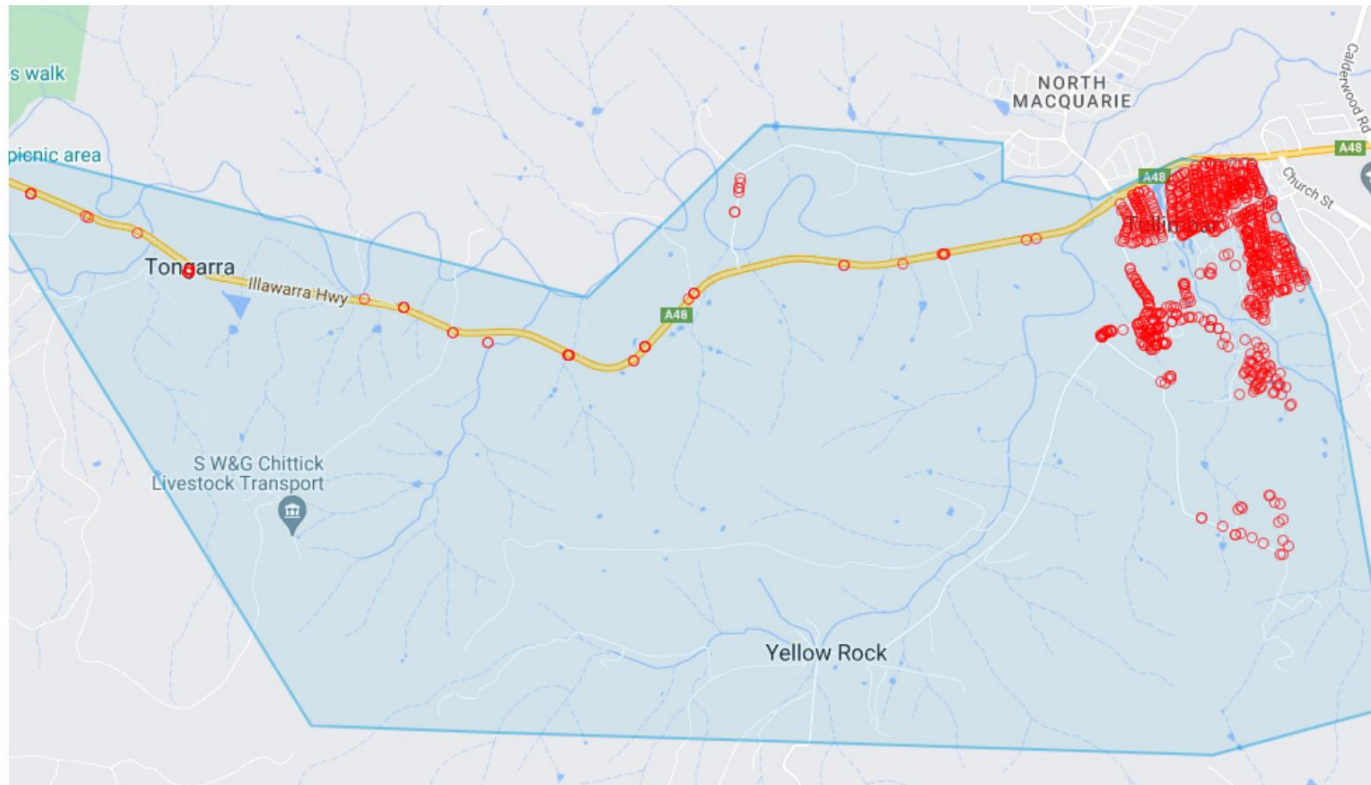
Approved By

| | |
|--|---|
| Approved for Council's Consideration: | Adam De Clouett Acting Group Manager Built and Natural Environment |
| Date of Meeting: | 07 December 2022 |

Attachments

1. Change of Waste Collection Locations
2. Signage Plan - Change of Waste Collection in Tullimbar

Attachment 1 - Change of Waste Collection Locations



Attachment 2 - Signage Plan - Change of Waste Collection in Tullimbar




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All line marking to be installed in accordance with Transport for NSW Delineation Guidelines
 All signage to be installed in accordance with AS1742.2



| | | | | | | | |
|---|----------|--------------------------------|---------------|----------|----------------------|--|---|
|  | | <p>No Parking Signage Plan</p> | | | <p>Legend</p> | |  |
| Date | 17/11/22 | Street | Wongawilli St | | |  <p>No Parking (5-40) 6:00AM - 9:00AM FRIDAY</p> | |
| Scale | 1:500 | Suburb | Shell Cove | | | | |
| Page | 2 of 4 | Drawn | S.Luo | Reviewed | N/A | | |

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All line marking to be installed in accordance with Transport for NSW Delineation Guidelines
 All signage to be installed in accordance with AS1742.2






| | | | | | | | | |
|--|-------------------------|----------|--------|------------|----------|---|---|-----|
|  <p>Shellharbour CITY COUNCIL</p> | No Parking Signage Plan | | | | | <p>Legend</p>  <p>No Parking (r5-40) 6:00AM - 9:00AM FRIDAY</p> | <p>N</p>  | |
| | Date | 17/11/22 | Street | Pambula St | | | | |
| | Scale | 1:500 | Suburb | Shell Cove | | | | |
| | Page | 3 of 4 | Drawn | S.Luo | Reviewed | | | N/A |

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All line marking to be installed in accordance with Transport for NSW Delineation Guidelines
 All signage to be installed in accordance with AS1742.2



| | | | | | | | | |
|---|--|--------------------------------|--|---|--|---|--|---|
|  | | No Parking Signage Plan | | | | Legend | |  |
| Date 17/11/22 | | Street Milton St | |  | | No Parking (5-40) 6:00AM - 9:00AM FRIDAY | | |
| Scale 1:500 | | Suburb Shell Cove | | | | | | |
| Page 4 of 4 | | Drawn S.Luo | | Reviewed N/A | | | | |

8.7. Harbour Boulevard - Shell Cove - Works Zone

To the Chief Executive Officer

| | |
|---------------------|---|
| Directorate: | Amenity and Assets |
| Group: | Built and Natural Environment |
| Manager: | Adam De Clouett Acting Group Manager Built and Natural Environment |
| Author: | Wayne Wilson Acting Manager Floodplain and Transport |

Summary

The purpose of this report is to seek approval from the Committee for a temporary Works Zone to be installed along the western alignment of Harbour Boulevard, south of Ketch Place, Shell Cove (as shown in **Attachment 1**).

Background

The developers of the Warrigal Care retirement village extension at 10 Harbour Boulevard, Shell Cove, are seeking a 36 metre 'Works Zone 6:00am to 4:00pm Mon-Fri' along the western alignment of Harbour Boulevard, south of Ketch Place, from 14 December 2022 to 31 March 2023. The Works Zone is requested to assist with the construction of the Warrigal Care retirement Village extension.

Works Zones are provided to facilitate the efficient operation of construction projects and to minimise traffic disruption. In assessing application for Works Zones, Council considers each project on an individual basis with the dimensions and location of a Works Zone being evaluated so as to facilitate construction but at the same time minimise the loss of public on-street parking during the works.

Works Zones are provided in accordance with the provisions of the NSW Road Rules (Rule 181) and the Road Transport (Safety and Traffic Management) (Road Rules) Regulation 1999 (Clause 19) and permit a driver to stop in a Works Zone if:

- the driver is driving a vehicle that is actively engaged in construction work in or near the Works Zone; or,
- a person is actually entering or alighting from the vehicle.

Financial / Resources Implications

If approved, works will be carried out and funded by the Developer.

Legal and Policy Implications

Nil

Public / Social Impact

Temporary loss of seven on-street parking spaces along Harbour Boulevard between 6:00am to 4:00pm Monday to Friday.

Link to Community Strategic Plan

This report supports the following objectives and strategies of the Community Strategic Plan:

| | | |
|-------------------|-------|---|
| Objective: | 1.2 | We are a liveable community |
| Strategy: | 1.2.1 | Inclusive, accessible and safe spaces for the entire community |
| Strategy: | 1.2.3 | Construct and upgrade buildings and infrastructure that meet current and future community needs |

Consultations

The following consultations were undertaken:

Internal

Manager Compliance and Regulation

External

Nil

Political Donations Disclosure

Not Applicable

Committee Recommendation

That Council approve the Works Zone to be temporarily installed for 10 Harbour Boulevard, Shell Cove. The proposed Works Zone is to be located on the western side of Harbour Boulevard, commencing from the statutory 10 metres of 'No Stopping' restriction back from the Ketch Place for a distance of 36 metres in a southerly direction and is subject to the following conditions:

- 1. The Works Zone is to operate between the hours of 6.00am-4.00pm Mon-Fri from 14 December 2022 to 31 March 2023.**
- 2. Suitable traffic control measures are to be put in place to manage truck movements to and from the construction site, and if necessary, to and from the adjacent street system, in accordance with the TfNSW's Traffic Control at Works Sites manual.**
- 3. The applicant advises local residents within 100 metres of the Works Zone by letter box drop prior to 7 December 2022 of the proposed changes to on-street parking.**
- 4. Unrestricted parking shall be maintained outside of the Works Zone hours of operation.**
- 5. The applicant must ensure that the traffic lanes, footpaths and driveways, adjacent to the Works Zone, remain free of obstruction at all times during the construction.**
- 6. The applicant must inform Council's Senior Transport Engineer when the project is completed, and the Works Zone can be removed, and current parking restrictions reinstated.**
- 7. This Works Zone is in an area zoned as Residential. The fee payable shall be in accordance with Council's adopted fees and charges applying to the period for which the approval is given and must be paid prior to the Works being installed.**
- 8. Failure to comply with any of these conditions may result in the cancellation of the Works Zone at Council's discretion.**
- 9. Should the Works Zone be required for a period longer than the approved period, permission from the Group Manager Built and Natural Environment is required to extend the Works Zone.**
- 10. Any alteration to the hours of operation of the Work Zone will require the approval of the Shellharbour Local Traffic Committee.**
- 11. The applicant is responsible for installation and maintenance the Works Zone signs in accordance with TfNSW's 'Installation and Maintenance of Signs' during the approved period in accordance with this approval and must keep a record of when signs have been installed and removed should a parking infringement be taken to court**

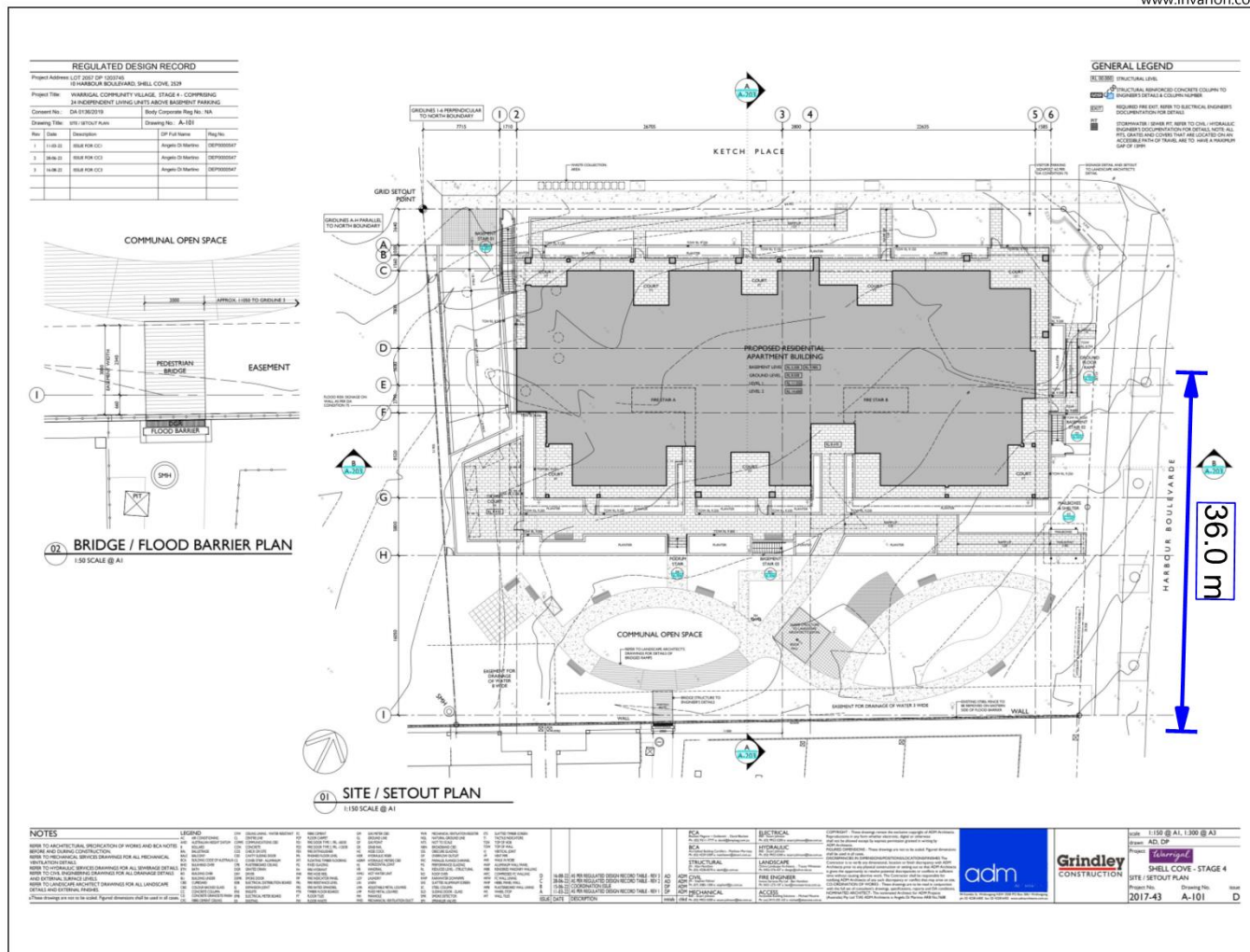
Approved By

| | |
|--|---|
| Approved for Council's Consideration: | Adam De Clouett Acting Group Manager Built and Natural Environment |
| Date of Meeting: | 7 December 2022 |

Attachments

1. Harbour Boulevard - Proposed Works Zone

Attachment 1 - Harbour Boulevard - Proposed Works Zone



8.8. Wharf Parade, Shell Cove - Installation of Signage and Linemarking

To the Chief Executive Officer

| | |
|---------------------|---|
| Directorate: | Amenity and Assets |
| Group: | Built and Natural Environment |
| Manager: | Adam De Clouett Acting Group Manager Built and Natural Environment |
| Author: | Stephanie Luo Engineering Technical Officer |

Summary

The purpose of this report is to seek endorsement from the Committee for the installation of signage and linemarking for the following streets in Shell Cove (as shown in **Attachment 1**):

- Anchorage Parade
- Marina Drive
- Wharf Parade
- Quayside Avenue
- Jetty Avenue
- Dockside Avenue

Background

Council has received three customer requests to review the signage and linemarking along Wharf Parade and Marina Drive, Shell Cove. In particular the entry and exit area of the Marina Drive carpark, due to concerns of vehicles driving on the incorrect side of the road when entering and exiting the carpark and travelling along the bend. One customer also requested Council review the intersection of Wharf Parade and Jetty Avenue due to vehicles parked close to the intersection and restricting turning paths when accessing Wharf Parade from Jetty Avenue.

Council's Transport team conducted a site investigation of the area. It was observed vehicles were parking close to the driveway of the carpark and restricting both the access and turning path when driving into and out of the carpark from Marina Drive and Wharf Parade. It was also observed that intersection of Jetty Avenue and Wharf Parade had limited safe intersection sight distance.

Following the inspection, the following changes are recommended to address the concerns raised:

1. The existing 'No Stopping' zone along Marina Drive be closed off with 'No Stopping' signs on Anchorage Parade and Wharf Parade (as shown in **Attachment 2**)
2. Relocation of the current 'No Stopping' sign on Wharf Parade 5.4 metres south of the current sign pole location to improve navigability along the bend and improve driver sight distance
3. 28 metres of centre Double Barrier (BB) linemarking be installed along Marina Drive and Wharf Parade to encourage drivers to reduce speed when travelling along bends in roads
4. 1 x 'Give Way' sign be installed at the exit of the carpark driveway to forewarn drivers of changed traffic conditions ahead
5. 1 x straight arrow pavement marking be installed at the entry of the carpark to reinforce the traffic flow
6. Yellow No Stopping (C3) linemarking to reinforce the 'No Stopping' zones

A sight distance assessment was conducted for the intersection of Wharf Parade and Jetty Avenue/Dockside Avenue, and it was observed both intersections had limited safe intersection sight distance. Therefore, it is also recommended the delineation of the junction at Wharf Parade and Jetty Avenue/Dockside Avenue be enhanced by providing the following signage and linemarking (as shown in **Attachment 2**) to encourage drivers to reduce speed when approaching these intersections:

1. 1 x 'Stop' sign and associated Stop (TF and TB1) linemarking
2. 10 metres of centre BB linemarking on the approach to the TF and TB1 linemarking
3. 2 x 'No Stopping' zones be installed at the intersection of Wharf Parade and Jetty Avenue/Dockside Avenue to reinforce the 10 metre No Stopping rule as per NSW Road Rules No.170
4. Yellow No Stopping (C3) linemarking to reinforce the 'No Stopping' zones

It should be noted that the proposed changes will result in the loss of two on-street parking spaces due to the installation of the 'No Stopping' zones along Wharf Parade, Shell Cove.

Financial / Resources Implications

If approved, works will be carried out and funded by Council.

Legal and Policy Implications

Nil

Public / Social Impact

- Improved road safety and access at the entry and exit of the Marina Drive carpark
- Enhanced delineation along Marina Drive, Wharf Avenue, and Jetty Avenue
- Improved delineation of legally available kerbside parking along Wharf Parade
- Removal of two on-street parking spaces along Wharf Parade

Link to Community Strategic Plan

This report supports the following objectives and strategies of the Community Strategic Plan:

| | | |
|-------------------|-------|---|
| Objective: | 1.2 | We are a liveable community |
| Strategy: | 1.2.1 | Inclusive, accessible and safe spaces for our entire community |
| Strategy: | 1.2.3 | Construct and upgrade buildings and infrastructure that meet current and future community needs |

Consultations

The following consultations were undertaken:

Internal

- Acting Manager Floodplain and Transport
- Acting Group Manager Built and Natural Environment
- Manager Compliance and Regulation
- Road Safety Officer

External

Nil

Political Donations Disclosure

Not Applicable

Committee Recommendation

That Council approve the proposed signage and linemarking installation (as shown in Attachment 2).

Approved By

| | |
|--|---|
| Approved for Council's Consideration: | Adam De Clouett Acting Group Manager Built and Natural Environment |
| Date of Meeting: | 07 December 2022 |

Attachments

1. Locality Plan
2. Signage and Linemarking Plan

Attachment 1 - Locality Plan

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Printed: 17/11/2022

This map is supplied on the understanding that Council will not be responsible for any loss or damage which may result from any use made of such information as a result of errors or omissions contained in the map.
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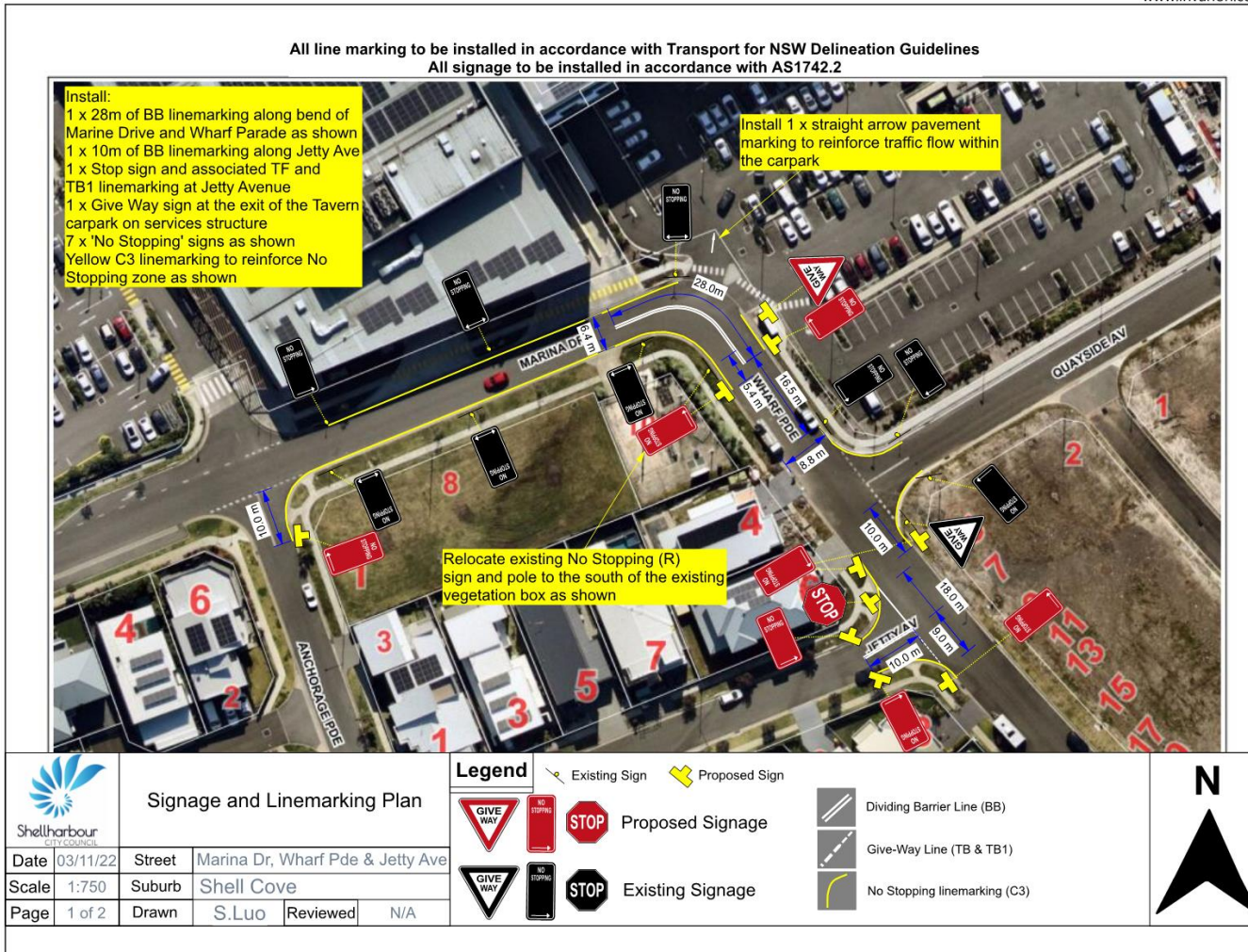


Scale: 1:2500



Attachment 2 - Signage and Linemarking Plan

www.invarion.com



www.invarion.com

All line marking to be installed in accordance with Transport for NSW Delineation Guidelines
 All signage to be installed in accordance with AS1742.2



| | | | | | | | | |
|----------------------------------|------------------------------|----------|--------|----------------------------|----------|--|----------|-----|
| <p>Shellharbour CITY COUNCIL</p> | Signage and Linemarking Plan | | | | | Legend Proposed Sign Pole No Stopping (r5-400) Stop (r1-1) No Stopping linemarking (C3) | <p>N</p> | |
| | Date | 03/11/22 | Street | Wharf Pde and Dockside Ave | | | | |
| | Scale | 1:750 | Suburb | Shell Cove | | | | |
| | Page | 2 of 2 | Drawn | S.Luo | Reviewed | | | N/A |

8.9. Lake Illawarra - Installation of Signage and Linemarking at Various Sites

To the Chief Executive Officer

| | |
|---------------------|---|
| Directorate: | Amenity and Assets |
| Group: | Built and Natural Environment |
| Manager: | Adam De Clouett Acting Group Manager Built and Natural Environment |
| Author: | Wayne Wilson Acting Manager Floodplain and Transport |

Summary

The purpose of this report is to seek endorsement from the Committee for the installation of signage and linemarking along the following streets in Lake Illawarra (**Attachment 1**):

- Dyson Road
- Peterborough Avenue
- Windang Street
- Pur Pur Avenue
- Parks Road
- View Street
- Ocean Street

Background

Council has received a customer request to review the current 'Give Way' signage at the intersection of Windang Street and Pur Pur Avenue, Lake Illawarra due to road safety concerns when turning into or across this intersection. The Customer also advised some drivers disregard the 'Give Way' sign when driving across Pur Pur Avenue, and consequently this behaviour has resulted in multiple minor collisions.

A site investigation of this intersection was conducted by Council's Transport team, and it was observed that the intersection at Windang Road and Pur Pur Avenue/Peterborough Avenue had limited safe intersection sight distance. Traffic counts were conducted along Peterborough Avenue to ascertain the AADT and vehicles speeds in October 2022. The bidirectional 50th percentile speed recorded

was 46km/h whilst the 85th percentile speed recorded was 57km/h, which is greater than the sign posted speed limit of 50km/h along Peterborough Avenue.

During the on-site investigation, Council's Transport team also observed potential road safety concerns along various streets within the vicinity of the original customer request in Lake Illawarra. Following this investigation, a signage and linemarking audit was conducted for the area and the following changes are recommended to address the road safety concerns raised (as shown in **Attachment 2**):

- Replacement of current 'Give Way' sign and associated Give Way TB1 and TB linemarking with 'Stop' sign and associated Stop TF linemarking at the following intersections
 - Windang Street and Pur Pur Avenue
 - Peterborough Avenue and Windang Street/Dyson Street
- Installation of 10 metres of centre Double Barrier (BB) linemarking along the following streets
 - Pur Pur Avenue
 - Windang Avenue
 - Peterborough Avenue
 - Ocean Street
 - View Street
- Installation of 'Give Way' signs (where there currently are no signage in place) and associated Give Way TB1 and TB linemarking at the following intersections
 - Peterborough Avenue and Park Road/View Street
 - Park Road and Ocean Street
- Installation of Outline of Painted Median (E5) Edge linemarking for the central medians along Park Road

It should be noted that the recommended changes will result in the loss of two kerbside parking spaces along Park Road, Lake Illawarra.

Financial / Resources Implications

If approved, works will be carried out and funded by Council.

Legal and Policy Implications

Nil

Public / Social Impact

- Improved delineation of central medians and intersections at various locations in Lake Illawarra to forewarn drivers of changed traffic conditions ahead
- Improved road safety for various streets in Lake Illawarra
- Removal of two on-street parking spaces along Park Road, Lake Illawarra

Link to Community Strategic Plan

This report supports the following objectives and strategies of the Community Strategic Plan:

| | | |
|-------------------|-------|---|
| Objective: | 1.2 | We are a liveable community |
| Strategy: | 1.2.1 | Inclusive, accessible and safe spaces for our entire community |
| Strategy: | 1.2.3 | Construct and upgrade buildings and infrastructure that meet current and future community needs |

Consultations

The following consultations were undertaken:

Internal

- Acting Manager Floodplain and Transport
- Acting Group Manager Built and Natural Environment
- Manager Compliance and Regulation
- Road Safety Officer

External

Nil

Political Donations Disclosure

Not Applicable

Committee Recommendation

That Council approve the proposed signage and linemarking installation for various locations in Lake Illawarra (as shown in Attachment 2).

Approved By

| | |
|--|---|
| Approved for Council's Consideration: | Adam De Clouett Acting Group Manager Built and Natural Environment |
| Date of Meeting: | 07 December 2022 |

Attachments

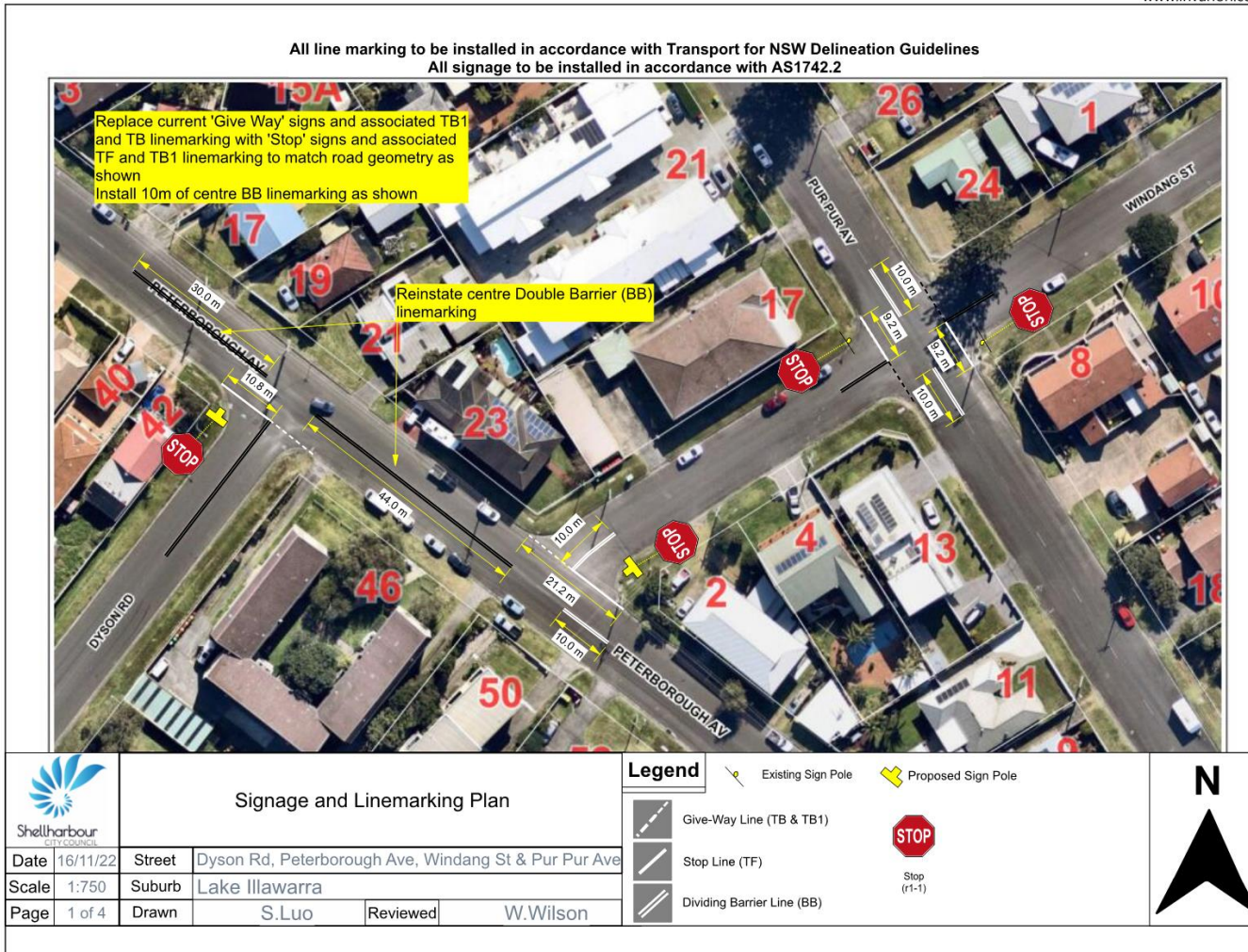
1. Locality Plan
2. Signage and Linemarking Plan

Attachment 1 - Locality Plan



Attachment 2 - Signage and Linemarking Plan

www.invarion.com



www.invarion.com

All line marking to be installed in accordance with Transport for NSW Delineation Guidelines
 All signage to be installed in accordance with AS1742.2



| | | | | | |
|---|------------------------------|----------|------------|----------------------------------|-----|
|  Shellharbour CITY COUNCIL | Signage and Linemarking Plan | | | | |
| | Date | 03/11/22 | Street | Marina Dr, Wharf Pde & Jetty Ave | |
| Scale | 1:750 | Suburb | Shell Cove | | |
| Page | 2 of 4 | Drawn | S.Luo | Reviewed | N/A |

Legend

-  Outline of Painted Median Line (E5)
-  Give-Way Line (TB & TB1)



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All line marking to be installed in accordance with Transport for NSW Delineation Guidelines
 All signage to be installed in accordance with AS1742.2



| | | | | | | | | |
|---|----------|-------------------------------------|---|----------|----------|--|--|---|
|  | | Signage and Linemarking Plan | | | | Legend | |  |
| | | | | | |  Proposed Sign Pole |  Give-Way (r1-2) | |
| | | | | | |  Give-Way Line (TB & TB1) | | |
| | | | | | |  Dividing Barrier Line (BB) | | |
| Date | 16/11/22 | Street | Peterborough Ave, Park Rd, View St & Ocean St | | | | | |
| Scale | 1:750 | Suburb | Lake Illawarra | | | | | |
| Page | 3 of 4 | Drawn | S.Luo | Reviewed | W.Wilson | | | |

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9. General Business

10. Items for Information

10.1. Traffic Count and Speed Data - October 2022

Item for Information

Traffic Counts at the following locations were obtained during October 2022.

1. O’Gorman Street, Albion Park
2. Broughton Avenue, Tullimbar
3. Burroo Street, Albion Park Rail
4. College Avenue, Blackbutt
5. Peterborough Avenue, Lake Illawarra
6. Taylor Road, Albion Park
7. Veronica Street, Warilla

Data has been summarised into the following tables providing an overview of the nature of traffic flow at the identified locations. Each count period spanned 7 days.

Data includes the Location, Five Day AADT, Peak Flow times, 50% percentile speed, 85 percentile speed and the highest recorded speed in both directions and the time at which the speed was recorded.

The purpose of this item is to provide information in an accessible format, demonstrating Councils response to traffic management while addressing community concerns regarding road user safety. The following data provides an overview of traffic volumes and speeds recorded during this period which may require further enhanced speed surveillance and monitoring.

1 - O'Gorman Street, Albion Park

| Road | Location | Average Weekday Traffic Eastbound Westbound | Peak flow time and no. Eastbound Westbound | Speed 50% | Speed 85% | Highest Recorded Range (kph) and time recorded (time 24 hour) |
|-------------|-------------------------------|---|---|--------------------|--------------------|--|
| O'Gorman St | 16 O'Gorman St Albion Park | E 120 W 1883 | E 4-6pm = 20/hr M-F W 4-6pm = 350/hr M-F | E 42kph W 42kph | E 50kph W 49kph | 80-90 (1800) 80-90 (1900) 80-90 (1200) 80-90 (1700) 80-90 (2000) |

An average of 0.8% of vehicles travelling along O'Gorman over the period of the count exceed 60kph, 0.1% of vehicles exceeded 70kph.

71 vehicles travelled between 60-70 kph, 7 vehicles travelled between 70-80 kph, 5 vehicles travelled between 80-90 kph.

2 - Broughton Avenue, Tullimbar

| Road | Location | Average Weekday Traffic Southbound Northbound | Peak flow time and no. Southbound Northbound | Speed 50% | Speed 85% | Highest Recorded Range (kph) and time recorded (time 24 hour) |
|------------------|----------------------------------|---|--|--------------------|--------------------|--|
| Broughton Avenue | 18 Broughton Avenue Tullimbar | S 1251 N 1522 | S 8-9am = 150/hr M-F N 8-9am = 320/hr M-F | S 44kph N 42kph | S 52kph N 49kph | 80 – 90 (0000) |

1.8% of vehicles travelling along Broughton Avenue exceeded 60kph, 0.2% of vehicles exceed 70kph.

283 vehicles travelled between 60-70 kph, 25 vehicles travelled between 70-80 kph, 1 vehicle travelled between 80-90 kph.

3 - Burroo Street, Albion Park Rail

| Road | Location | Average Weekday Traffic Southbound Northbound | Peak flow time and no. Southbound Northbound | Speed 50% | Speed 85% | Highest Recorded Range (kph) and time recorded (time 24 hour) |
|---------------|-------------------------------------|---|--|--------------------|--------------------|--|
| Burroo Street | 6 Burroo Street Albion Park Rail | S 4328 N 4376 | S 8-9pm = 450/hr M-F N 4-6pm = 450/hr M-F | S 45kph N 45kph | S 50kph N 49kph | 110-120 (1700) 110-120 (1700) 110-120 (1700) |

0.5% of vehicles travelling along Burroo Street exceeded 60kph, and 0.1% of vehicles exceed 70kph

213 vehicles travelled between 60-70 kph, 37 travelled between 70-80 kph, 13 vehicles travelled between 80-90 kph, 6 vehicles travelled between 90-100kph, 3 vehicles travelled between 110-120 kph.

4 - College Ave, Blackbutt

| Road | Location | Average Weekday Traffic | | Peak flow time and no. | | Speed | | Highest Recorded Range (kph) and time recorded (time 24 hour) |
|----------------|------------------------------|-------------------------|------------|------------------------|-----------------------|---------|---------|---|
| | | Southbound | Northbound | Southbound | Northbound | 50% | 85% | |
| College Avenue | 48 College Avenue, Blackbutt | S 5639 | N 4405 | S 4-6pm 650/hr M-F | N 8-9am 580/hr M-F | S 55kph | N 57kph | S 62kph N 66kph |

25% of vehicles travelling along College Avenue exceed 60kph, and 2.4% of vehicles exceed 70kph.

15146 vehicles travelled between 60-70 kph, 1470 vehicles travelled between 70-80 kph, 94 vehicles travelled between 80-90 kph, 10 vehicles travelled between 90-100kph, 3 vehicles travelled between 100-110 kph and 3 vehicles travelled between 110-120 kph.

5 - Peterborough Ave, Lake Illawarra

| Road | Location | Average Weekday Traffic Southbound Northbound | Peak flow time and no. Southbound Northbound | Speed 50% | Speed 85% | Highest Recorded Range (kph) and time recorded (time 24 hour) |
|---------------------|--|---|--|----------------------|----------------------|--|
| Peterborough Avenue | 12 Peterborough Avenue, Lake Illawarra | SE 571 NW 1044 | SE 9-10am = 50/hr M-F SE 5-6pm = 50/hr M-F NW 5-6pm = 80/hr M-F NW 12pm = 55/hr Sat | SE 47kph NW 44kph | SE 57kph NW 56kph | 90-100 (2000) 90-100 (1600) 90-100 (1800) |

5.5% of vehicles travelling along Peterborough Avenue exceed 60kph, 0.6% of vehicles exceed 70kph.

548 vehicles travelled between 60-70 kph, 46 vehicles travelled between 70-80 kph, 13 vehicles travelled between 80-90 kph, 3 vehicles travelled between 90-100 kph.

6 - Taylor Road, Albion Park

| Road | Location | Average Weekday Traffic Eastbound Westbound | Peak flow time and no. Eastbound Westbound | Speed 50% | Speed 85% | Highest Recorded Range (kph) and time recorded (time 24 hour) |
|-------------|--------------------------------|---|---|-----------------------|--------------------|--|
| Taylor Road | 23 Taylor Road, Albion Park | E 1292 W 1562 | E 8-9am = 230/hr M-F W 5-6pm = 230/hr M-F | E 46kph W 46kph | E 55kph W 54kph | 100-110 kph (1200) 100-110 kph (1200) |

2.0% of vehicles travelling along Taylor Road exceed 60kph, 0.1% of vehicles exceeded 70 kph

297 vehicles travelled between 60-70 kph, 17 vehicles travelled between 70-80 kph, 3 vehicles travelled between 80-90 kph, 2 vehicles travelled between 100-110 kph.

7 - Veronica Street, Warilla

| Road | Location | Average Weekday Traffic Eastbound Westbound | Peak flow time and no. Eastbound Westbound | Speed 50% | Speed 85% | Highest Recorded Range (kph) and time recorded (time 24 hour) |
|-----------------|----------------------------|---|--|--------------------|--------------------|--|
| Veronica Street | 6 Veronica Street, Warilla | E 912 W 851 | E 4-6pm 650/hr M-F W 8-9am 580/hr M-F | E 46kph W 47kph | E 56kph W 57kph | 100-110 (2100) 100-110 (1900) 100-110 (2100) |

5.2% of vehicles travelling along Veronica Street exceeded 60kph, 0.8% of vehicles exceeded 70kph.

497 vehicles travelled between 60-70 kph, 62 vehicles travelled between 70-80 kph, 13 vehicles travelled between 80-90 kph, 5 vehicles travelled 90-100 kph, 3 vehicles travelled between 100-110 kph.

Approved By

| | |
|--|---|
| Approved for Council's Consideration: | Adam De Clouett Acting Group Manager Built and Natural Environment |
| Date of Meeting: | 7 December 2022 |

Attachments

Nil

10.2 Police Matters

Item for Information

Can Police please note the following items, raised by the community for potential future patrols:

| No. of Reports | Street/Location | Suburb | Report Type |
|----------------|------------------------------|----------------|---|
| 1 | Sophia Street / Cooback Road | Albion Park | Frequent speeding and hooning down the dirt alleyway causing road safety concerns for pedestrians |
| 1 | Taylor Road | Albion Park | Heavy vehicles exceeding the 5t load limit using the road, speeding and excessive noise during early hours and evenings |
| 1 | Baragoot Road | Flinders | Reoccurring speeding and hooning between both roundabouts |
| 1 | Grove Circuit | Lake Illawarra | Speeding in close proximity to Lake Illawarra Warrigal Care |
| 1 | Cove Boulevard | Shell Cove | Speeding and concerns for pedestrian road safety |
| 1 | Harbour Boulevard | Shell Cove | Speeding and concerns for pedestrian road safety |

Approved By

| | |
|--|---|
| Approved for Council's Consideration: | Adam De Clouett Acting Group Manager Built and Natural Environment |
| Date of Meeting: | 07 December 2022 |

Attachments

Nil

11. Next Meeting

Date: 1 February 2023