

Proposed intersection improvements at Princes Highway and The Boulevarde, Kirrawee

Community Consultation Report

July 2017

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Executive summary

This report provides a summary of Roads and Maritime Services consultation with the community and key stakeholders on proposed intersection improvements at Princes Highway and The Boulevarde, Kirrawee.

The NSW Government is funding this proposal as part of its \$300 million Gateway to the South Pinch Point Program which will improve traffic flow on Sydney's key southern road corridors by upgrading major intersections.

The proposal includes:

- widening on the north-eastern and south-eastern sides of the intersection to accommodate two right turn lanes and two left turn lanes from The Boulevarde on to the Princes Highway
- widening of the Princes Highway to create a dedicated left turn lane from Princes Highway in to The Boulevarde
- removing about eight trees and 16 shrubs
- improving safety by closing access from Princes Highway service road into The Boulevarde
- construction of a pedestrian island to improve safety for pedestrians and efficiency for vehicles turning left from The Boulevarde on to the Princes Highway
- installing new pavement and kerbs
- relocating utilities
- road surfacing and line markings.

Roads and Maritime invited feedback on this proposal in May, June and July. We received feedback from 40 people, with 13 people supporting the proposal, 11 people with conditional support, seven who opposed the proposal and nine who did not state a preference.

The 11 people who provided conditional support of the proposal raised the following:

- left turn lane on The Boulevarde needs to be further extended
- right turn lane needs to be further extended to avoid vehicles blocking the left lane
- the intersections of Waratah Street and Auburn Street also need to be improved
- access allowed for pedestrian and cyclists travelling between the Princes Highway and service road

The seven people who opposed the proposal raised concerns including:

- service road closure
- road widening
- tree removal

We thank everyone for considering the proposal and for their feedback.

The decision

After considering all responses, along with the proposal's aims and design requirements, we have decided to proceed with the proposal with the following considerations:

- investigate the option to maintain pedestrian and cyclist access from the Princes Highway service road to the Boulevard
- investigate lane configurations including line marking of the left and right turn lanes on The Boulevarde turning on to the Princes Highway.

We will continue to keep the community and stakeholders informed as the project progresses.

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1. Introduction

1.1. Background

The intersection of Princes Highway and The Boulevarde has been identified as part of the NSW Government's \$300 million Gateway to the South Pinch Point Program.

The Princes Highway is an important urban arterial road, and forms part of the A1 road corridor. The A1 connects the south coast of NSW and Wollongong to Sydney. It also provides access to major roads including the M5 Motorway, A3 King Georges Road, A36 Princes Highway (city) and M1 Pacific Highway.

High volumes of traffic currently travel through the intersection of The Boulevarde and Princes Highway. Vehicles turning left from Princes Highway travelling southbound in to The Boulevarde and turning right from The Boulevarde on to the Princes Highway currently experience delays due to congestion.

Vehicles travelling from The Boulevarde turning left on to the Princes Highway currently experience delays due to pedestrians crossing the intersection in the same traffic phase. The installation of a pedestrian island at this intersection will improve pedestrian safety by removing the conflict between pedestrians and left turning vehicles from The Boulevarde. This also allows vehicles to turn left from The Boulevarde without being delayed by pedestrians crossing Princes Highway.

The dual right turn will improve the efficiency of the intersection, reducing the incidence of vehicles queuing in to the adjacent left turning lane, improving travel time reliability on The Boulevarde.

This proposal aims to ease the overall congestion at this intersection and improve journey reliability for all road users.

1.2. The proposal

Roads and Maritime is proposing to improve traffic flow and ease congestion at the intersection of the Princes Highway and The Boulevarde.

The proposal includes:

- widening on the north-eastern and south-eastern sides of the intersection to accommodate two right turn lanes and two left turn lanes from The Boulevarde on to the Princes Highway
- widening of the Princes Highway to create a dedicated left turn lane from Princes Highway in to The Boulevarde
- removing about eight trees and 16 shrubs
- improving safety by closing access from Princes Highway service road into The Boulevarde
- construction of a pedestrian island to improve safety for pedestrians and efficiency for vehicles turning left from The Boulevarde on to the Princes Highway
- installing new pavement and kerbs
- relocating utilities
- road surfacing and line markings.

We have included a map to show the location of the proposed intersection improvements.



Figure 1- Proposed intersection improvements at the Princes Highway and The Boulevard, Kirrawee

2. Consultation approach

2.1. Consultation objectives

We consulted with the community and key stakeholders on the proposal to:

- Seek comment, feedback, ideas, and suggestions for us to consider when developing the proposal, including consultation outcomes into the environmental impact assessment known as a review of environmental factors
- Build a database of interested and concerned community members with whom we can continue to engage during the proposal's development and delivery.

2.2. How consultation was done

Community members and stakeholders were encouraged to provide their comments via email, mail or phone contact with the project team.

Table 1 - How consultation was done

Stakeholder meetings	<ul style="list-style-type: none">• The property owner impacted by the proposal requiring strip acquisition was consulted on the proposal in April 2017• Council have been consulted on the proposal and will be involved in the continual development of the proposal.
Have your say community update – May 2017	<ul style="list-style-type: none">• Distributed 77,000 letters (Appendix A) to local residents and businesses (Appendix B) inviting feedback on the proposal, including nearby proposals along the Princes Highway corridor• Direct email and mail to MPs, council, emergency services, schools and universities, large businesses, religious centres and community groups in the local area.
Website	<ul style="list-style-type: none">• Roads and Maritime project webpage updated with latest project information including the community update.
Online consultation tool	<ul style="list-style-type: none">• An online consultation tool was made available for the community to provide feedback. Feedback was provided via an interactive map using drop pin comments and was open to the public during the consultation period.
Social media	<ul style="list-style-type: none">• A targeted Facebook ad ran between Saturday 22 June and Sunday 30 June, reaching 29,571 local residents and motorists travelling along the corridor.

3. Consultation summary

3.1. Overview

We received feedback from 40 people, with 13 people supporting the proposal, 11 people with conditional support, seven who opposed the proposal and nine who did not state a preference.

The 11 people who provided conditional support of the proposal raised the following:

- left turn lane on The Boulevarde needs to be extended
- right turn lane needs to be extended to avoid vehicles blocking the left lane
- the intersections of Waratah Street and Auburn Street also need to be improved
- access allowed for pedestrian and cyclists travelling between the Princes Highway and service road

The seven people who opposed the proposal raised concerns including:

- service road closure
- road widening
- tree removal

3.2. Feedback and Roads and Maritime's responses

Roads and Maritime has provided responses to all feedback received on this proposal. The responses have been provided directly to those who commented as well as in this report, which will be made available to the public.

All comments have been considered to help Roads and Maritime make decisions on this proposal. Matters raised during consultation that are not within Roads and Maritime's area of responsibility have been forwarded to the relevant departments.

Table 2 - Feedback summary and Roads and Maritime's responses

Feedback received and matters relating to intersection improvements on the Princes Highway, Kirrawee and Kogarah, including new and extended clearways from Kirrawee to Menai have been addressed in separate consultation reports and are available on our website. Matters relating to intersection improvements for the intersection at Princes Highway and The Boulevarde, Kirrawee have been responded to below.

Category	Matters raised	Roads and Maritime's response
Active transport	What consideration has been made for cyclists/pedestrian walkways in this proposal?	Allowing pedestrian and cyclist from the Princes Highway service road to The Boulevarde is being considered and will be investigated during further development of this project. We will keep you informed as the project progresses.
	Pedestrian and bicycle throughway should be permitted between the service road and The Boulevarde.	The installation of a pedestrian island at the intersection of the Princes Highway and The Boulevarde will improve pedestrian safety by removing the conflict between pedestrians and left turning vehicles from The Boulevarde. This also allows vehicles to turn left from The Boulevarde without being delayed by pedestrians crossing Princes Highway.
Construction	When will the work commence if the proposal goes ahead?	Subject to ongoing consultation with key stakeholders we are planning to start staged construction works in mid-2018.
	What measures will be in place to cause minimal impact to motorists travelling along the corridor?	Roads and Maritime will consult the community on a night work construction schedule prior to commencing work. Works may be undertaken at night to minimise the impact to the road network. There will be temporary traffic changes during our work hours to ensure the work zone is safe. Traffic controllers will be on hand to direct road users and a traffic management plan will be in place to ensure minimal impact to motorists and residents.
Design	Although additional lanes may be added for turn lanes at intersections, the Princes Highway should be limited to no more than three through lanes in each direction.	The intersection of Princes Highway and The Boulevarde currently caters to around 5,500 vehicles in the AM and PM peak hours. Modelling carried out for this proposal shows the major movements at this intersection include vehicles travelling northbound and southbound on the Princes Highway and vehicles turning right from the Princes Highway in to

Category	Matters raised	Roads and Maritime's response
	The left turn lane from The Boulevarde on to Princes Highway needs to be as long as possible.	<p>The Boulevarde. Road users experiencing the longest delays include the left and right turn movements from The Boulevarde on to the Princes Highway.</p> <p>Widening of The Boulevarde will provide dual left and right turning lanes from The Boulevarde on to the Princes Highway and the construction of a pedestrian island. The dual right turn will reduce queuing and delays for the right turn on to the Princes Highway. It will reduce the incidence of vehicles queuing into the adjacent left turning lane and improve travel time reliability on The Boulevarde. The additional capacity will also improve the overall efficiency of the intersection by allowing green time to be reallocated to the major movements on the Princes Highway.</p> <p>The installation of a pedestrian island at the intersection of the Princes Highway and The Boulevarde will improve pedestrian safety by removing the conflict between pedestrians and left turning vehicles from The Boulevarde. This also allows vehicles to turn left from The Boulevarde without being delayed by pedestrians crossing Princes Highway. Traffic light and pedestrian crossing phasing will be adjusted as part of this improvement. Existing arrangements will be in place for vehicles turning left from the Princes Highway on to The Boulevarde and will still need to give-way to pedestrians using the zebra crossing.</p> <p>Improvements also include the widening of the Princes Highway to create a dedicated left turn lane from Princes Highway in to The Boulevarde, maintaining the existing three through lanes for vehicles travelling southbound on the Princes Highway. These improvements will increase the efficiency of the intersection providing benefits to both the local road network and southern road corridor.</p> <p>This proposal has considered future growth in traffic on the network during development.</p>
	The right turn on to the Princes Highway from The Boulevarde has a lower volume of traffic. The right hand turn lane should be extended as not to block the left turn and minimise construction footprint.	
	Vehicle access to Milburn Road should be restricted to left in/left-out movements only. This will improve road safety and avoid the need for widening at the intersection.	
	Housing and commercial development in the area will cause increased volumes in traffic.	
Environment	The removal of trees and adding of an additional lane of traffic adjacent to residential housing should not be undertaken.	Widening of The Boulevarde will enable Roads and Maritime to provide dual left and right turning lanes from The Boulevarde on to Princes

Category	Matters raised	Roads and Maritime's response
	What mitigation measures will be in place for tree removal? This mitigation should be published and accepted before the project is undertaken.	<p>Highway and the construction of a pedestrian island.</p> <p>Roads and Maritime aims to retain roadside vegetation where possible. The trees at the corner of the Boulevard and the Princes Highway have been identified as having low ecological value as habitat for threatened flora and fauna due to their scattered nature and proximity to an urban road corridor. The trees proposed to be removed at this intersection have been assessed in a Review of Environmental Factors report and will be mitigated where possible.</p>
Left slip lane on to The Boulevard (southbound)	The dedicated left turn lane from the Princes Highway southbound in to The Boulevard should be removed, as well as the existing short slip lane, and incorporate the movement with a shared through/left lane.	<p>Adjustment to the left slip lane(s) on the western leg of the intersection of The Boulevard and Princes Highway was considered as an option during the development of this proposal. Many options were considered, including the closure of the Boulevard on the western side of the intersection; however none of the options were considered feasible due to implications on residents, parking, utilities, property and the environment.</p> <p>During consultation the published Have Your Say community update for intersection improvements on the Princes Highway, Kirrawee and Kogarah, including new and extended clearways from Kirrawee to Menai included the following wording outlining the scope of works for improvements at The</p>
	Any upgrade at this intersection should also look at improving the merge lane from The Boulevard on to the Princes Highway northbound – the approach angle of the current merge lane from The Boulevard makes it extremely difficult to see approaching traffic.	

Category	Matters raised	Roads and Maritime's response
	<p>Removing the slip lane on The Boulevarde would improve pedestrian safety for the approaching school.</p>	<p>Boulevarde and the Princes Highway:</p> <ul style="list-style-type: none"> • widening on the northern side of the intersection to accommodate an extended merge lane from The Boulevarde in to Princes Highway • an extension of the left slip lane from Princes Highway westbound on to The Boulevarde <p>The following correction has been made to avoid confusion:</p> <ul style="list-style-type: none"> • widening on the north-eastern and south-eastern sides of the intersection to accommodate two right turn lanes and two left turn lanes from The Boulevarde on to the Princes Highway • widening of the Princes Highway to create a dedicated left turn lane from Princes Highway in to The Boulevarde <p>Roads and Maritime apologises for any confusion this may have caused during consultation.</p> <p>Due to community feedback Roads and Maritime will be investigating the proposed lane configurations including line marking of the left and right turn lanes on The Boulevarde turning on to the Princes Highway as part of the final design. We will continue to keep the community updated as the project progresses.</p>

Category	Matters raised	Roads and Maritime's response
Out of scope	The east/west traffic route connecting Illawong / Menai with the eastern end of the Shire needs to be improved.	<p>The intersection of Princes Highway and The Boulevarde has been identified as part of the Gateway to South Pinch Point Program which focuses on addressing pinch points on the Princes Highway (A1), King Georges Road (A3) and Heathcote Road (A6) corridors.</p> <p>The purpose of this consultation was to seek feedback on the proposed intersection improvements at Princes Highway and The Boulevarde, Kirrawee.</p> <p>Corridor improvements to the east/west connection of Illawong and Menai are not part of this proposal and considered out of scope.</p> <p>The NSW Government is building a \$40 million upgrade to widen Alfords Point Road between the Georges River and Brushwood Drive, with work proposed to be completed by December 2017.</p> <p>The upgrade forms part of a broader plan to improve road safety and traffic flow along Alfords Point Road and through the southern region of Sydney. The upgrade will also provide further improvements to the local road network.</p> <p>For more information please visit our website at http://www.rms.nsw.gov.au/projects.</p>

Category	Matters raised	Roads and Maritime's response
	<p>A grade separation is needed at the intersection of New Illawarra Road and Bangor Bypass to improve morning peak travel times and ease congestion as a result of high volumes of vehicles.</p>	<p>The intersection of Princes Highway and The Boulevarde has been identified as part of the Gateway to South Pinch Point Program which focuses on addressing pinch points on the Princes Highway (A1), King Georges Road (A3) and Heathcote Road (A6) corridors.</p> <p>The purpose of this consultation was to seek feedback on the proposed intersection improvements at Princes Highway and The Boulevarde, Kirrawee.</p> <p>A grade separation (flyover) at the intersection of New Illawarra Road and Bangor Bypass would require significant impacts to the local area including property acquisition, a large construction foot print and significant cost.</p> <p>The proposed intersection improvements at the Princes Highway and The Boulevarde focuses on short to medium term solutions to improve travel time and reliability on Sydney's key southern corridors.</p>
	<p>Congestion needs to be improved at the intersection of River Road and Linden Street, backing up to Akuna Avenue on-ramp.</p>	<p>The intersection of Princes Highway and The Boulevarde has been identified as part of the Gateway to South Pinch Point Program which focuses on addressing pinch points on the Princes Highway (A1), King Georges Road (A3) and Heathcote Road (A6) corridors.</p> <p>The purpose of this consultation was to seek feedback on the proposed intersection improvements at the Princes Highway and The Boulevarde, Kirrawee.</p> <p>Intersection improvements at the River Road and Linden Street are not part of this proposal and considered out of scope.</p>
	<p>The free flowing traffic created by the Bangor Bypass and the merge from Akuna Avenue, Bangor, create a bottle neck just before the Woronora bridge as many people from the Menai/Bangor/Illawong area use Sutherland Station to get to the eastern portion of the Shire.</p>	<p>The intersection of Princes Highway and The Boulevarde has been identified as part of the Gateway to South Pinch Point Program which focuses on addressing pinch points on the Princes Highway (A1), King Georges Road (A3) and Heathcote Road (A6) corridors.</p> <p>The purpose of this consultation was to seek feedback on the proposed intersection improvements at the Princes Highway and The Boulevarde, Kirrawee.</p> <p>The Bangor Bypass between Akuna Avenue and the Woronora bridge is not part of the proposal and considered out of scope.</p>

Category	Matters raised	Roads and Maritime's response
	<p>The lane from Menai Road, Woronora to the River Road/Linden Street turn off needs to be extended.</p>	<p>The intersection of Princes Highway and The Boulevarde has been identified as part of the Gateway to South Pinch Point Program which focuses on addressing pinch points on the Princes Highway (A1), King Georges Road (A3) and Heathcote Road (A6) corridors.</p> <p>The purpose of this consultation was to seek feedback on the proposed intersection improvements at the Princes Highway and The Boulevarde, Kirrawee.</p> <p>Improvements to extend the eastbound merge lane at Menai Road and River Road/Linden Street are not part of this proposal and considered out of scope.</p> <p>These improvements have been referred to our Network and Safety department for consideration; however no current funding is available for this location.</p>
	<p>Cars break the rules and travel through Garnet Road from Bates Drive.</p>	<p>The enforcement of traffic laws remains a primary responsibility of the NSW Police Force. This includes motorists disobeying road rules. Roads and Maritime encourages you to contact Sutherland Local Area Command on 9542 0899, who will determine whether targeted enforcement activities may be appropriate.</p>

Category	Matters raised	Roads and Maritime's response
	<p>Noise mitigation should be installed at the Sutherland railway station and The Grand Parade overpass as road and bridge construction means noise exceeds acceptable levels. Path maintenance is also required.</p>	<p>The intersection of Princes Highway and The Boulevarde has been identified as part of the Gateway to South Pinch Point Program which focuses on addressing pinch points on the Princes Highway (A1), King Georges Road (A3) and Heathcote Road (A6) corridors.</p> <p>The purpose of this consultation was to seek feedback on the proposed intersection improvements at Princes Highway and The Boulevarde, Kirrawee.</p> <p>Noise mitigation and path maintenance at The Grand Parade overpass is not part of this proposal and is considered out of scope.</p> <p>Roads and Maritime are not currently carrying out any construction on or near The Grand Parade overpass. During construction we aim to minimise the impact to residents and businesses, including completing noisier work by 11pm and mitigation measures such as staging the work where possible.</p> <p>Maintenance of state roads is carried out by our delivery partners on behalf of Roads and Maritime. The footpath at The Grand Parade overpass will be passed on to our delivery partner for investigation.</p>

Category	Matters raised	Roads and Maritime's response
	<p>The traffic light phasing needs to be improved at Bonnet Bay exit/entry.</p> <p>Could local traffic be redirected to and from Linden Street/River Road/ Old Princes Highway?</p>	<p>The intersection of Princes Highway and The Boulevarde was identified as part of the Gateway to South Pinch Point Program which focuses on addressing pinch points on the Princes Highway (A1), King Georges Road (A3) and Heathcote Road (A6) corridors.</p> <p>The purpose of this consultation was to seek feedback on the proposed intersection improvements at Princes Highway and The Boulevarde, Kirrawee.</p> <p>Traffic light phasing at the intersections of Tudar Road and Linden Street/River Road are not part of this proposal and is considered out of scope.</p> <p>Traffic lights in NSW are controlled by the Sydney Coordinated Adaptive Traffic System (SCATS), which allocates the length of green time based on real time traffic flow. Sensors beneath the road measure the flow and density of traffic approaching the lights in each direction and the green time is allocated accordingly. The length of time the light stays green varies in response to changing traffic conditions. This ensures that the traffic light phasing is operating at maximum efficiency. Due to the high volumes of vehicles that travel along Linden Street/River Road, traffic light phasing at this intersection will prioritise the state road to maintain the efficiency of the network.</p>
	<p>Parking should be banned along the Princes Highway as it is a major artery.</p>	<p>Roads and Maritime assess parking based on safety and efficiency to the network. This assessment is carried out in consultation with local residents, businesses and key stakeholders including councils, which considers directly impacted residents and businesses and the benefit to the network.</p> <p>There are existing clearways on Princes Highway between 6am and 10am and 3pm and 7pm, Monday to Friday and on a Weekend between 10am and 7pm.</p>

Category	Matters raised	Roads and Maritime's response
	<p>The F6 extension is needed. These proposals are short term solutions and will be ineffective as traffic demands increase.</p>	<p>The intersection of Princes Highway and The Boulevarde was identified as part of the Gateway to South Pinch Point Program which focuses on addressing pinch points on the Princes Highway (A1), King Georges Road (A3) and Heathcote Road (A6) corridors.</p> <p>The purpose of this consultation was to seek feedback on the proposed intersection improvements at Princes Highway and The Boulevarde, Kirrawee.</p> <p>The F6 extension is not part of the proposal and considered out of scope for this project.</p> <p>Roads and Maritime has been conducting a study into developing the F6 Extension, a possible link between the M1 at Waterfall and the Sydney Motorway Network. The F6 extension study was identified as a priority in the NSW Long Term Transport Master Plan, 2012 and the State Infrastructure Strategy Update, 2014.</p> <p>Geotechnical analysis is now being carried out to determine the underground geology along the corridor.</p> <p>We encourage you to visit the website: http://www.rms.nsw.gov.au/projects/sydney-south/f6-corridor/index.html for further information and updates on the progress of the project.</p>
	<p>The proposed treatments at the intersection of the Princes Highway and The Boulevarde appear reasonable but won't be effective unless combined with improvements to Waratah Street and Auburn Street intersections.</p>	<p>Improved efficiency on the state road network will have flow on improvements to the local network. Request for works at intersection outside scope of the current proposal will be passed on to the relevant section responsible for future planning of pinch point projects within Roads and Maritime.</p>

Category	Matters raised	Roads and Maritime's response
	Introduce a "Keep Clear Zone" to restrict turning vehicles into Gymea Bay Road/Milburn Road from The Boulevarde.	<p>The intersection of Princes Highway and The Boulevarde has been identified as part of the Gateway to South Pinch Point Program which focuses on addressing pinch points on the Princes Highway (A1), King Georges Road (A3) and Heathcote Road (A6) corridors.</p> <p>The purpose of this consultation was to seek feedback on the proposed intersection improvements at Princes Highway and The Boulevarde, Kirrawee.</p> <p>Signage to restrict turning vehicles into Gymea Bay Road/Milburn Road is not part of this proposal and is considered out of scope.</p>
	A pedestrian bridge is needed across Princes Highway and The Boulevarde.	<p>The intersection of Princes Highway and The Boulevarde has been identified as part of the Gateway to South Pinch Point Program which focuses on addressing pinch points on the Princes Highway (A1), King Georges Road (A3) and Heathcote Road (A6) corridors.</p> <p>The purpose of this consultation was to seek feedback on the proposed intersection improvements at the Princes Highway and The Boulevarde, Kirrawee.</p> <p>A pedestrian bridge across the Princes Highway and The Boulevarde is not part of this proposal and considered out of scope.</p> <p>The installation of a pedestrian island at the intersection of the Princes Highway and The Boulevarde will improve pedestrian safety by removing the conflict between pedestrians and left turning vehicles from The Boulevarde. This also allows vehicles to turn left from The Boulevarde without being delayed by pedestrians crossing Princes Highway. Traffic light and pedestrian crossing phasing will be adjusted as part of this improvement. Existing arrangements will be in place for vehicles turning left from the Princes Highway on to The Boulevarde and will still need to give-way to pedestrians using the zebra crossing.</p>
Service road	Access to The Boulevarde from the Princes Highway service road should remain.	Improvements include widening of the Princes Highway to create a dedicated left turn lane from Princes Highway in to The Boulevarde. This

Category	Matters raised	Roads and Maritime's response
	Residents on the service road will be impacted by the closure of the access road.	<p>will improve the flow of traffic and maintain the existing three through lanes heading southbound on the Princes Highway.</p> <p>The dedicated left turn lane is designed to enable vehicles turning left in to The Boulevarde to bypass vehicles queued to travel southbound through the intersection of the Princes Highway.</p> <p>The closure of the service road is to manage safety concerns and avoid traffic using the service road as an alternative route to travel to The Boulevarde from the Princes Highway. Under this proposal, only residents will utilise the service road to access their properties.</p>

4. Decision

We thank everyone who provided comments and the community and stakeholders for considering the proposal.

After considering all responses, along with the proposal's aims and design requirements, we have decided to proceed with the proposal with the following considerations:

- investigate the option to maintain pedestrian and cyclist access from the Princes Highway service road to the Boulevard
- investigate lane configurations including line marking of the left and right turn lanes on The Boulevard turning on to the Princes Highway.



5. Next steps

We have considered all submissions and will ensure our team is aware of concerns raised by the community. We will ensure that issues highlighted by stakeholders and the community are appropriately addressed through the delivery of the project.

We will continue to keep the community informed of the project progress.

6. Appendices

6.1. Appendix A – ‘Have your say’ community update May 2017



Congestion on the Princes Highway

May 2017

Have your say

Proposed intersection improvements on Princes Highway and clearways on Old Princes Highway, River Road and Bangor Bypass.

The NSW Government is funding these improvements as part of its \$300 million Gateway to the South Pinch Points Program and \$121 million Clearways Program.

Roads and Maritime Services is proposing this work to make your daily commute better. Upgrading these intersections and introducing a clearway will also make getting around on weekends much easier for you, your friends and family.

Roads and Maritime want your local knowledge to help us make this proposal work better for both the local community and all road users who travel through this section of the Princes Highway. We are seeking feedback by **Monday 3 July 2017**.

We are providing a number of ways for you to find out more information about our proposal:

- displaying our Review of Environmental Factors (REF). Display locations can be found overleaf
- this community update
- community information sessions where the project team will be available to answer your questions.

In addition to improving traffic flow through this section of the Princes Highway, these changes would make this stretch of road safer. It would reduce the number of rear-end crashes and crashes caused by lane changes.

Proposed intersection improvements at Princes Highway and The Boulevard

Roads and Maritime has developed this proposal to ease congestion at this intersection of Princes Highway and The Boulevard. High volumes of vehicles turn right from The Boulevard onto the Princes Highway and left from Princes Highway onto The Boulevard, this causes congestion and delays as traffic is reduced to two lanes for vehicles travelling southbound along Princes Highway.


The proposal includes:

- widening on the north-eastern and south-eastern sides of the intersection to accommodate two right turn lanes northbound from The Boulevard into Princes Highway
- widening on the northern side of the intersection to accommodate an extended merge lane from The Boulevard onto Princes Highway

- extension of the left slip lane from Princes Highway westbound onto The Boulevard
- removing about 8 trees and 16 shrubs
- improving safety by closing access from Princes Highway service road onto The Boulevard
- construction of a traffic island to improve pedestrian safety and to separate left and right turning traffic from The Boulevard into Princes Highway
- installing new pavement and kerbs
- relocating utilities
- asphaltting and line marking.

We have included a map to help explain the proposal.

Princes Highway and The Boulevard proposed intersection improvements



Proposed Intersection Improvements at Princes Highway and President Avenue

Roads and Maritime has developed this proposal to ease congestion at this intersection of Princes Highway and President Avenue. High volumes of vehicles travelling in both directions on President Avenue are reducing through fare to two lanes when turning northbound and southbound onto Princes Highway, causing congestion and delays.

The proposal includes:

- widening on the south-eastern side of the intersection and into the existing median on the eastern side of the intersection, to accommodate lengthened right and left turn lanes from President Avenue, onto Princes Highway. This would result in the removal of about six trees
- widening into the existing median on the southern side of the intersection to accommodate a lengthened right turn lane eastbound onto President Avenue

- widening into the existing median on the western side of the intersection to accommodate a dedicated left turn lane from President Avenue onto Princes Highway
- introducing a peak hour right turn ban from President Avenue into Princes Highway northbound between 3pm and 7pm, Monday to Friday
- modifying the median on the northern side of the intersection to improve safety for vehicles turning right from President Avenue northbound onto Princes Highway
- relocating the traffic control signals in the existing median on the western side of President Avenue
- installing new pavement, kerbs and signage
- relocating utilities
- asphalting and line marking.

We have included a map to help explain the proposal.



Proposed Intersection Improvements on Princes Highway at Acacia Road, Oak Road and the Kingsway, Kirrawee

Roads and Maritime Services has prepared a Review of Environmental Factors (REF) for the proposed intersection improvements on Princes Highway at Acacia Road, Oak Road and The Kingsway. The REF assesses the potential environmental impacts associated with the construction and operation of the proposed intersection improvements. It also addresses a range of environmental impacts and outlines mitigation measures. We are inviting your comments on the REF by **Monday 3 July 2017**.

The proposal includes:

- permanently banning the right turn movements from Princes Highway into Oak Road (in addition to the current peak period ban)
- widening Princes Highway on northern side to accommodate additional lanes along the road corridor
- an additional northbound right turn lane from Princes Highway into Acacia Road

- an additional northbound through lane on Princes Highway at Auburn Street
- an additional southbound through lane on Princes Highway at Acacia Road
- an additional northbound and southbound through lane on Princes Highway at Oak Road
- an additional northbound right turn lane from Princes Highway into The Kingsway
- extension of left turn filter lane from Princes Highway southbound into The Kingsway
- new pedestrian crossing facilities at Oak Road intersection
- enhancing local service road parallel to Princes Highway between Acacia Road and Oak Road
- closing access to Kenneth Avenue to and from Princes Highway
- removal of about 115 trees along the corridor

- installing new pavement, kerbs, drainage and signage
- relocating other utilities
- installing two new 750mm water mains under the service road
- asphalting and line markings.

Noise

- the most affected residential and commercial properties may experience construction activities to occur within 10 and 15 metres from their boundary
- construction activities will be noisy at times but we will do all we can to minimise its impact
- safe guard measures have been proposed in the REF to mitigate noise impacts during construction.

Traffic

- vehicles will be travelling between compound and work sites during construction along the Princes Highway
- most of the construction work would be carried out at night to minimise impacts to traffic.

Access

- footpaths and signalled road crossings may be affected, however traffic controllers will be on hand to direct pedestrians and cyclists during construction hours
- some homes and businesses may be affected, impacted properties will be contacted, but traffic controllers will be on hand to make sure you can enter and leave as required.

Flora and Fauna

- removal of trees is required for this proposal
- the proposed work is not likely to impact threatened species, populations or habitats.
- mitigation measures have been included in the project to protect and enhance the existing visual character of the area and minimise impacts on neighbouring properties.

Air quality

- there may be minor emissions and dust as a result of construction machinery however these impacts would be short term.

REF Display locations and Community information sessions

More information on the proposed intersection improvements on Princes Highway at Acacia Road, Oak Road and The Kingsway is available in the REF documentation. The REF documentation will be on display at the following locations:

Sutherland Shire Council
4/20 Eton St, Sutherland NSW 2232
Miranda Library
31 Wandella Rd, Miranda NSW 2238
Sylvania Library
Southgate Shopping Centre, Port Hacking Rd, Sylvania NSW 2224
Sutherland Library
30-36 Belmont Street, Sutherland

We will be holding community information sessions, to offer community members the opportunity to speak directly with the project team. The sessions will be held at:
Tradies Gymea
57 Manchester Road, Gymea NSW 2227
Thursday 8 June 2017 5-8pm
Sutherland Multi Purpose Centre
123 Flora Street, Sutherland NSW 2232
Wednesday 14 June 2017 6-8pm
Tradies Gymea
57 Manchester Road, Gymea NSW 2227
Saturday 17 June 2017 10am-12pm

Proposed Intersection Improvements along Princes Highway, Kirrawee



Proposed new and extended clearways on Old Princes Highway, The Grand Parade, Linden Street, River Road and Bangor Bypass, from Acacia Road, Kirrawee to New Illawarra Road, Menai

The NSW Government is funding this clearways proposal as part of the \$121 million Clearways Program, which aims to reduce congestion and delays on Sydney's roads.

Background

On Monday 27 July 2015, Roads and Maritime Services introduced new and extended clearways on Princes Highway, from King Georges Road, Blakehurst, to President Avenue, Kirrawee. We are now proposing new and extended clearways on Old Princes Highway, The Grand Parade, Linden Street, River Road and Bangor Bypass, from Acacia Road, Kirrawee to New Illawarra Road, Menai.

The proposed clearways will help to provide more reliable travel times for motorists and maximise the benefits of the proposed intersection improvements.

Sydney's Clearways Strategy

The NSW Government has committed \$121 million to installing new clearways on Sydney's road network. Since 2013, we have installed over 170 kilometres of new and extended clearways across some of Sydney's busiest corridors and we are continuing to investigate new and extended weekday and weekend clearways across the network.

What hours of operation are proposed?

Roads and Maritime are proposing to install new and extended clearways to operate in both directions on:

- weekdays from 6am to 10am and 3pm to 7pm
- weekends and public holidays from 9am to 6pm.

The proposed weekday clearway hours are consistent with the weekday clearway hours that have recently been installed on Princes Highway, north-east of this proposal, to minimise confusion for motorists.

Alternative parking arrangements

The proposal would impact 17 parking spaces between Glencoe Street and Auburn Street during clearway hours. Parking studies identified that there was capacity in the adjacent side streets to accommodate the demand for parking removed from Old Princes Highway. The indented parking spaces between Princes Highway and Auburn Street and near Vermont Street would not be impacted by this proposal.

Next steps

Roads and Maritime will carefully consider all feedback before deciding to proceed with each proposal. We will keep you updated as each proposal progresses.

Online consultation tool

Roads and Maritime has created an interactive online consultation tool for the proposed intersection improvements along Princes Highway and clearways on Old Princes Highway, River Road and Bangor Bypass. The tool allows community members to place comments at a specific location on a map of the proposed project areas. This will help the project team to better understand the feedback we receive by pinpointing the exact location a comment is referring to. To submit your comments on our online tool visit rms.work/princes-highway-upgrade and follow the instructions.

Background

The Princes Highway is an important urban arterial road, and forms part of the A1 road corridor. The A1 connects the south coast of NSW and Wollongong to Sydney. It also provides access to major roads including the M5 Motorway, A3 King Georges Road, A36 Princes Highway (city) and M1 Pacific Highway.

Have your say

To find out more or provide feedback:

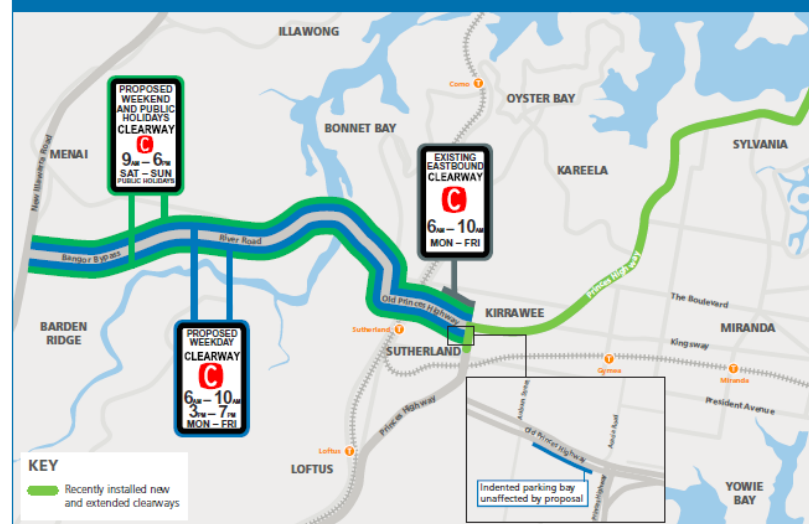
☎ 02 8849 2374

@ G2S@rms.nsw.gov.au

✉ Gateway to the South Pinch Points project team
PO Box 973, Parramatta CBD NSW 2124

🌐 www.rms.nsw.gov.au/g2s

Proposed new and extended clearways from Kirrawee to Menai



Translating and Interpreting Service

If you need an interpreter, please call the Translating and Interpreting Service (TIS National) on **131 450** and ask them to telephone Roads and Maritime Services on 02 8849 2374.

Arabic

إذا كنتم بحاجة إلى مترجم، الرجاء الاتصال بخدمة الترجمة الخطية والشفوية (TIS National) على الرقم **131 450** والطلب منهم الاتصال بخدماتنا على الرقم 02 8849 2374.

Cantonese

若你需要口譯員，請致電 **131 450** 聯絡翻譯和口譯服務署 (TIS National)，要求他們致電 02 8849 2374 聯絡 Roads and Maritime Services。

Mandarin

如果你需要口譯員，請致電 **131 450** 聯絡翻譯和口譯服務署 (TIS National)，要求他們致電 02 8849 2374 聯絡 Roads and Maritime Services。

Greek

Αν χρειάζεστε διερμηνέα, παρακαλείσθε να τηλεφωνήσετε στην Υπηρεσία Μετάφρασης και Διερμηνείας (Εθνική Υπηρεσία ΤΙΣ) στο **131 450** και ζητήστε να τηλεφωνήσουν Roads and Maritime Services στο 02 8849 2374.

Italian

Se desiderate l'assistenza di un interprete, prego telefonare al Servizio Interpreti e Traduttori (TIS National) al **131 450** chiedendo di contattare Roads and Maritime Services al 02 8849 2374.

Korean

통역사가 필요하시면 번역통역서비스 (TIS National)에 **131 450**으로 연락하여 이들에게 02 8849 2374 번으로 Roads and Maritime Services에 전화하도록 요청하십시오.

Vietnamese

Nếu cần thông ngôn viên, xin quý vị gọi cho Dịch Vụ Thông Phiên Dịch (TIS Toàn Quốc) qua số **131 450** và nhờ họ gọi cho Roads and Maritime Services qua số 02 8849 2374.



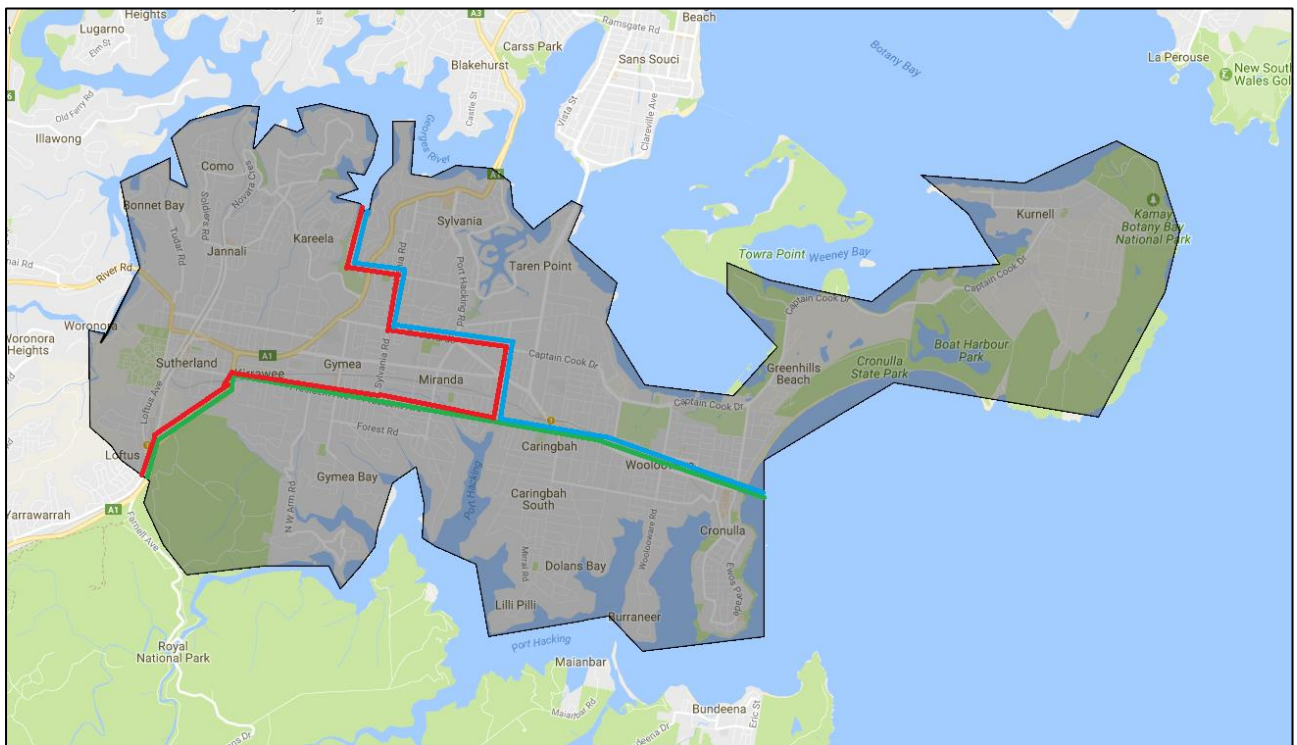
May 2017
RMS 17.252



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6.2. Appendix B – Distribution map





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Customer feedback
Roads and Maritime
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