

[REDACTED]
Environmental Team Leader

[REDACTED]

[REDACTED]

[REDACTED]

**Powering Sydney's Future (SSI 8583)
Variation to Approved Construction Hours - Juno Parade Road Crossing**

I refer your request (SSI-8583-PA-33) submitted on 19 October 2020 for the Planning Secretary's approval of high risk out of hours works for the Powering Sydney's Future project (SSI 8583).

The Department has reviewed your request to extend construction hours to carry out the Juno Parade Road crossing works, from Maiden Street to Acacia Ave, Greenacre.

The Department accepts the request to vary constructions hours subject to the following:

1. The works must be undertaken as detailed in the *Out of Hours Works Permit* (003) prepared by Taihan and the *Out of Hours Works Construction Noise and Vibration Impact Statement* (prepared by VMS Australia dated 3 September 2020) as submitted in the application SSI-8583-PA-33, unless otherwise varied by the conditions below.
2. Work must not be undertaken outside the hours of work identified in condition E4 of the development consent, except for the works and hours detailed below:
 - 8 to 10 nights of work at the Juno Parade Road Crossing between 9 November 2020 and 7 December 2020.
3. Written notice must be provided to surrounding residential occupiers and placed on site at least 48 hours before work occurs outside the normal construction hours identified in condition E4. The written notice must:
 - (i) identify what works are to occur outside normal construction hours;
 - (ii) nominate the timeframe the works are likely to occur;
 - (iii) be reissued 24 hours before any work occurs outside normal construction hours if the wet weather requires an alternative day from that notified; and
 - (iv) provide a telephone contact number of the construction site manager during the extended construction hours.
4. A record of any complaints made regarding works undertaken during the extended construction hours must be provided to the Department's Compliance team within 24 hours of the complaint.
5. In the event that any complaint is received, appropriate mitigation measures are to be implemented, and the Department and the complainant are to be informed of the actions undertaken to address the complaint.

6. All noise management controls as described in Section 9 of the *Out of Hours Works Noise and Vibration Impact Statement* (prepared by VMS Australia dated 3 September 2020), are to be adopted and implemented for the duration of the works.

If you wish to discuss the matter further, please contact [REDACTED]

Yours sincerely

[REDACTED]

[REDACTED]
Director
Resource Assessments

As nominee of the Planning Secretary

PSF OUT-OF-HOURS WORK PERMIT

(For works conducted under DPIE approval)

Permit No.	PSF-OOHW-003	Application Date	13/10/2020
Revision No.	0	Revision Date	As above
Summary of Update (details of revision)	0 Initial application to allow works outside standard construction hours		
Title of Works	PSF – Juno Parade Road Crossing		
Person Requesting OOHW	[REDACTED]		

1.0 - JUSTIFICATION	
Justification for OOHW	Road Occupancy Licence (ROL) prevents works from occurring within standard construction hours.
DPIE Condition under which works are permitted	<p><i>Include additional details if required</i></p> <p>The work is permitted under the following clause of DPIE Condition of Approval:</p> <p>E4 (c): Linear infrastructure – Works in classified road reserves and signalised intersections.</p> <p>E6 (c): works approved under an Out-of-Hours Work Protocol</p>

2.0 – DESCRIPTION OF THE WORKS		
Details of Work <input checked="" type="checkbox"/> Map attached at end of form (showing location / work extent / nearest	Location & Chainage	Juno Parade from Maiden St to Acacia Ave Greenacre CH3850-3950 approximately
	Description of works	Saw cutting, asphalt breakout, excavation, conduit install, TSB backfill, temporary restorations (road plates to be used as required).
	Proposed dates + time	Start: 09/11/2020 @ 19:00 Finish: 30/11/2020 @ 06:00 (Approximately 8-10 shifts in total. Max 4 shifts per week)
	Contingency dates + time	Start 16/11/2020 @ 19:00 Finish 07/12/2020 @ 06:00 (Approximately 8-10 shifts in total. Max 4 shifts per week)

2.0 – DESCRIPTION OF THE WORKS

sensitive receivers / landscape)	Proposed Timings	<i>Works on Juno Parade Greenacre</i> 4 OOH shifts per week 19:00 – 06:00						
		Shift 1 7pm- 6am	Shift 2 7pm-6am	Shift 3 7pm- 6am	Shift 4 7pm- 6am	Night 5	Night 6	Night 7
		High impact noise.	High impact noise.	Moderate impact noise.	Moderate impact noise.	Respite	Respite	Respite
		Saw cutting Concrete/ asphalt breakout Excavation to carry out investigations. Temp restorations (Plates if required)	Saw cutting Concrete/ asphalt breakout Excavation Conduit install Temp restorations (Plates if required)	Excavation Conduit install TSB backfill Temp restorations (Plates if required)	Excavation Conduit install TSB backfill Temp restorations (Plates if required)			
Shift 5 7pm- 6am	Shift 6 7pm-6am	Shift 7 7pm- 6am	Shift 8 7pm- 6am	Night 12	Night 13	Night 14		
High impact noise.	Moderate impact noise.	High impact noise.	Moderate impact noise.	Respite	Respite	Respite		
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2.0 – DESCRIPTION OF THE WORKS	
Details on any concurrent construction activities being undertaken OOWH adjacent / in close proximity to the proposed works?	No known other OOWH in vicinity. Installation of Joint Bay 4/5 on Maiden St programmed for 4/11/20 to 11/11/20 during standard construction hours.
Names of Foremen supervising the work	[REDACTED]
Subcontractor Details	Durkin (locating) Carrickshock (Sawcutting) Boral (concrete supply)

3.0 – SENSITIVE RECEIVERS				
Distance to Nearest	Sensitive Receiver	Distance	Sensitive Receiver	Distance
Sensitive Noise Receiver	<input type="checkbox"/> Place of Worship		<input type="checkbox"/> Educational Institution (including Child Care Centres)	
	<input type="checkbox"/> N+V Sensitive Business and critical working area (eg. theatre, health services)		<input checked="" type="checkbox"/> Nearest Residential Receiver	13m
	<input type="checkbox"/> Not applicable (no sensitive receivers impacted)			
	<i>Where one of the above is checked, noise generating works must not be timetabled within sensitive periods, unless otherwise agreed with the affected receiver. This must be determined through ongoing consultation with the community in accordance with the Community Consultation Strategy.</i>			
Has the sensitive receiver been consulted on these works and proposed respite options? (refer to CoA E9). List outcomes of consultation below <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Comments				
See Section 7.0 below and attached record of community consultation.				

4.0 – PLANT & EQUIPMENT	
Plant and equipment to be used: List all plant and noise generating equipment to be used during the work activities (eg. hand tools, generators, crane etc)	13t Excavator & hammer 5t excavator Truck & dogs 8-wheeler bogie Concrete agitators Compaction equipment (Whackers, plate compactors) Smooth drum roller
Are alternative, quieter / less vibration intensive options feasible for the activity? If yes, why are these not being used?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

5.0 – TRAFFIC MANAGEMENT	
Will the work require traffic control?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Describe the location and nature of disruption to traffic proposed	Lane closures as per Traffic Management Plan & Road Occupancy Licence

6.0 – Lighting	
What lighting is to be provided for night work?	Small generator, diesel powered lighting
Will lighting be positioned minimise light spill to nearby receivers?	Yes

7.0 – Noise and Vibration Assessment

Reference: NMC Noise Management Level (NML) Sleep Disturbance Level (night only) Predicted Range (L _{Aeq})	<table border="1"> <tbody> <tr> <td>NCA:</td> <td>02</td> </tr> <tr> <td>Type of OOHW:</td> <td>Saw cutting, concrete & asphalt breakout, Loading trucks. Install conduits. Backfill & restoration.</td> </tr> <tr> <td>NML:</td> <td>45</td> </tr> <tr> <td>SDL:</td> <td>54</td> </tr> <tr> <td>Predicted:</td> <td>50-85dB L_{Aeq}</td> </tr> </tbody> </table>		NCA:	02	Type of OOHW:	Saw cutting, concrete & asphalt breakout, Loading trucks. Install conduits. Backfill & restoration.	NML:	45	SDL:	54	Predicted:	50-85dB L _{Aeq}
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NML:	45											
SDL:	54											
Predicted:	50-85dB L _{Aeq}											
Acoustic Assessment to determine if works are above RBL +5dB(A) at closest receiver	<input type="checkbox"/> Below NML <input type="checkbox"/> <5dB(A) above NML – construction noise noticeable <input type="checkbox"/> 5 to 15dB(A) above NML – construction noise clearly audible <input type="checkbox"/> >15 to 25dB(A) above NML – construction noise moderately intrusive <input checked="" type="checkbox"/> >25dB(A) above NML – construction noise highly intrusive											
What measures are being taken to reduce noise impacts	<input type="checkbox"/> No added measures – No impact to sensitive receivers <input checked="" type="checkbox"/> Restrictive tools (<i>list</i>) – 13T excavator <input type="checkbox"/> Balloon lights <input checked="" type="checkbox"/> Noise attenuation curtains <input checked="" type="checkbox"/> High noise impact respite <input checked="" type="checkbox"/> Other (<i>list</i>) - In consultation with the community, no more than four nights per week of work, followed by three nights of respite, over the date range specified.											
Noise monitoring required?	<input checked="" type="checkbox"/> Yes - Compliance monitoring to be carried out within the first two shifts (unless previous project OOH monitoring has shown compliance). <input type="checkbox"/> No											
Are vibration impacts above Human Comfort levels expected?	<input checked="" type="checkbox"/> Yes. <input type="checkbox"/> No Refer to OOH CNVIS Table 5	If yes, state number of properties expected to be impacted? Approximately 18 – 20 properties. Intermittent vibration may be noticeable but is below structural impact levels.										

7.0 – Noise and Vibration Assessment																
<p>Is vibration monitoring required?</p> <p>Refer to CNVMP / Monitoring Program</p>	<p><input checked="" type="checkbox"/> Yes – Compliance monitoring to be carried out within the first two shifts (unless previous project OOH monitoring has shown compliance).</p> <p><input type="checkbox"/> No</p> <p>Nominated Verification monitoring locations (from CNVIS)</p> <table border="1"> <thead> <tr> <th>Worksite</th> <th>NCA</th> <th>Nominated receiver</th> </tr> </thead> <tbody> <tr> <td>Juno Parade crossing between Maiden Street and Acacia Avenue</td> <td>02</td> <td>176 Juno Parade OR 209A Juno Parade</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Worksite	NCA	Nominated receiver	Juno Parade crossing between Maiden Street and Acacia Avenue	02	176 Juno Parade OR 209A Juno Parade									
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<p>Community notification required?</p>	<p>Yes. Community notifications will be undertaken as per the approved Community Communication Strategy, including;</p> <ul style="list-style-type: none"> - Letters notifying of work activities to be delivered 7 days before. - A door knock will be done for the sensitive receivers immediately adjacent to the works as per NVMP. 															
<p>Evidence of consultation and results</p>	<p><u>Spreadsheet from Consultation Manager, and consultation documentation submitted with this application.</u></p> <p><u>Summary of Results:</u></p> <p>56 receivers consulted on preferred respite. 36 responses received.</p> <p>Of those expressing a preference, approx. 82% favoured option 2, which was baseline OOH plus two additional consecutive nights per week with three nights of respite following.</p>															

8.0 – OOHW RISK LEVEL ASSESSMENT													
<p>Insert snip from Risk Level calculation sheet and attach worksheet separately</p> <p>Low Risk (1-6) Moderate (7-9) High (10-12)</p> <p>Low and Moderate risk work may be approved by the ESM.</p> <p>High risk work must be approved by the Planning Secretary.</p>	<table border="1"> <thead> <tr> <th>Overall Risk Assessment</th> <th>Sum of Risk Factor Scores</th> <th>Approval Path</th> </tr> </thead> <tbody> <tr> <td>Low 1 Risk Activity</td> <td>1 - 6</td> <td>Environment and Sustainability Manager</td> </tr> <tr> <td>Moderate 2 Risk Activity</td> <td>7 - 9</td> <td>Environment and Sustainability Manager</td> </tr> <tr> <td>High Risk Activity</td> <td>10 - 12</td> <td>Planning Secretary</td> </tr> </tbody> </table> <p style="text-align: center; color: red; font-weight: bold; font-size: 1.2em;">Your total Risk score is:</p> <p style="text-align: center; color: red; font-weight: bold; font-size: 1.5em;">11</p> <p><u>Worksheet attached with application</u></p>	Overall Risk Assessment	Sum of Risk Factor Scores	Approval Path	Low 1 Risk Activity	1 - 6	Environment and Sustainability Manager	Moderate 2 Risk Activity	7 - 9	Environment and Sustainability Manager	High Risk Activity	10 - 12	Planning Secretary
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Moderate 2 Risk Activity	7 - 9	Environment and Sustainability Manager											
High Risk Activity	10 - 12	Planning Secretary											

AUTHORISATION

1. Environmental Manager					
<p style="color: red; margin: 0;">Approval Authority for works with Low or Medium Risk level on OOHW Risk Table as per section 8.0</p> <p>I confirm these works have been appropriately assessed under the OOHW Protocol as per CoA E8 and E9.</p> <p>The following Mitigation Measures shall be implemented:</p> <ul style="list-style-type: none"> Verification monitoring. Installation of noise barriers around high impact works. Respite as per Community Consultation. Additional respite including 1 hr off after 3 hrs high impact work. No high impact work after midnight where practicable. Selection of appropriate plant and equipment 					
Name		Signature		Date	13/10/2020
2. Planning Secretary					
<p style="color: red; margin: 0;">Approval Authority for works with High Risk level on OOHW Risk Table as per section 8.0</p> <p>I confirm these works have been appropriately assessed under the OOHW Protocol as per CoA E8 and E9.</p> <p>The following additional mitigation measures shall be implemented:</p> 					
Name		Signature		Date	

Site Acceptance

3. Construction Supervisor/Project Manager					
<p>I confirm the following:</p> <ul style="list-style-type: none"> ▪ The work details in this approval accurately reflect the planned work on site ▪ OOH permit will be kept on site where work is occurring ▪ Respite and mitigation measures will be implemented ▪ Any changes to works which may affect this approval shall be communicated to the Environment and Community Manager prior to work commencing, or as soon as changes become known. 					
Name		Signature		Date	13/10/2020

Attachment – Map of Works Location

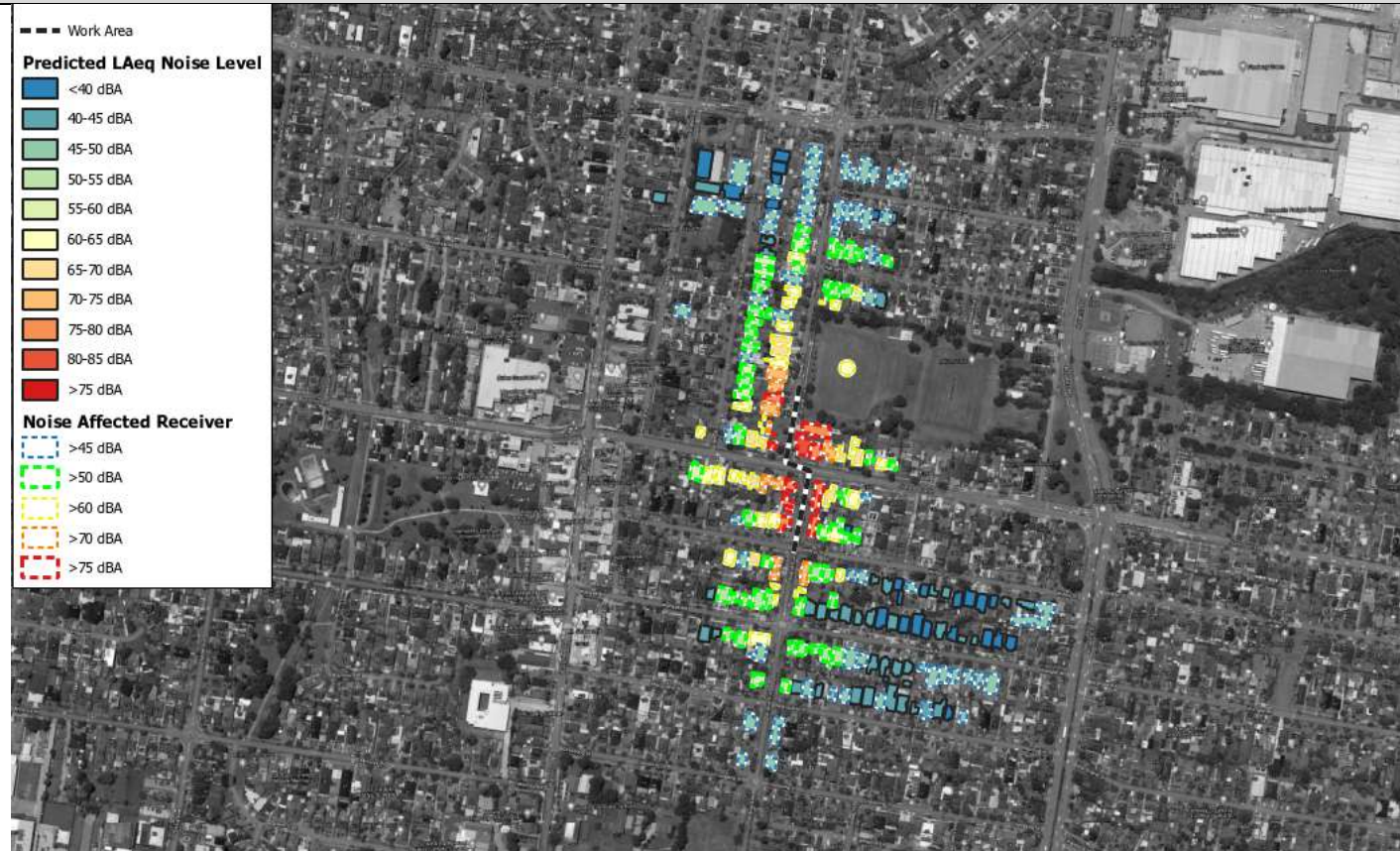


Figure 1: Extract from project OOHW CNVIS showing location at Juno Parade crossing from Maiden St to Acacia Ave and potentially impacted receivers.

Community consultation information attached separately with this application.

Project No.:	10-1779
Date:	02/09/2020
Drawn by:	RW
Scale:	1:5394
Sheet Size:	A4
Projection:	GDA 1994 MGA Zone 56



Powering Sydney's Future
Potts Hill to Alexandria
Transmission Cable Project
Out of Hours Works - Predicted LAeq Noise Levels
Juno Parade - Map 4 of 15

T: 1800 867 000
E: info@vms.com.au
www.vms.com.au

This document may be based on data provided by third parties for which VMS Australia Pty Ltd cannot guarantee the accuracy.

PSF OUT-OF-HOURS WORK PERMIT

Report	OOH consultation for Trenching Juno Parade.	
Objective:	Obtain feedback about two different ways to do works at the intersection of Juno Parade, Maiden Street and Acacia Avenue.	
	<ul style="list-style-type: none"> •Option 1 - Two consecutive nights per week over four-five weeks, or •Option 2 - Four consecutive nights per week over two-three weeks. 	
Total of properties to consult	56	100%
Total of properties consulted	36	64.3%
Total of properties with unsuccessful contact.	20	35.7%

MAP OF THE AREA.



Property	1 Doorknock	2 Doorknock	Result.
136 Maiden Street.	Success answer.	N/A	Option 2
138 Maiden Street.	Success answer.	N/A	Option 2
140 Maiden Street.	Success answer.	N/A	Option 2
142 Maiden Street.	Contact Unsuccessful	Success answer.	Option 2
144 Maiden Street.	Contact Unsuccessful	Contact Unsuccessful	Contact Unsuccessful
83 Maiden Street.	Contact Unsuccessful	Contact Unsuccessful	Contact Unsuccessful
85 Maiden Street.	Contact Unsuccessful	Success answer.	No preference.
85A Maiden Street.	Contact Unsuccessful	Contact Unsuccessful	Contact Unsuccessful
217 Juno Parade.	Contact Unsuccessful	Contact Unsuccessful	Contact Unsuccessful
215 Juno Parade.	Success answer.	N/A	Option 1
213 Juno Parade.	Success answer.	N/A	Option 2
211 Juno Parade.	Success answer.	N/A	Option 2
209 Juno Parade.	Contact Unsuccessful	Success answer.	Option 2
209A Juno Parade.	Contact Unsuccessful	Contact Unsuccessful	Contact Unsuccessful
207A Juno Parade.	Contact Unsuccessful	Success answer.	Option 2
207 Juno Parade.	Contact Unsuccessful	Contact Unsuccessful	Contact Unsuccessful
205 Juno Parade.	Contact Unsuccessful	Contact Unsuccessful	Contact Unsuccessful
203 Juno Parade.	Contact Unsuccessful	Success answer.	No preference.
201 Juno Parade.	Contact Unsuccessful	Success answer.	Option 2
201A Juno Parade.	Contact Unsuccessful	Contact Unsuccessful	Contact Unsuccessful
188 Juno Parade.	Contact Unsuccessful	Contact Unsuccessful	Contact Unsuccessful
186 Juno Parade.	Contact Unsuccessful	Success answer.	Option 2
184 Juno Parade.	Contact Unsuccessful	Success answer.	Option 2
184A Juno Parade.	Contact Unsuccessful	Success answer.	Option 2
182 Juno Parade.	Contact Unsuccessful	Contact Unsuccessful	Contact Unsuccessful
180 Juno Parade.	Contact Unsuccessful	Contact Unsuccessful	Contact Unsuccessful
178 Juno Parade.	Contact Unsuccessful	Contact Unsuccessful	Contact Unsuccessful
176 Juno Parade.	Contact Unsuccessful	Success answer.	Option 1
176A Juno Parade.	Contact Unsuccessful	Success answer.	Option 1
174 Juno Parade.	Contact Unsuccessful	Contact Unsuccessful	Contact Unsuccessful
172 Juno Parade.	Contact Unsuccessful	Success answer.	Option 2
172A Juno Parade.	Success answer.	N/A	Option 2
170 Juno Parade	Success answer.	N/A	Option 1
168 Juno Parade	Success answer.	N/A	Option 2
168A Juno Parade	Success answer.	N/A	Option 2
166A Juno Parade.	Contact Unsuccessful	YES	Option 1
164A Juno Parade.	Contact Unsuccessful	Contact Unsuccessful	Contact Unsuccessful
95 Temple St.	Success answer.	N/A	Option 2
97 Temple St.	Contact Unsuccessful	Success answer.	Option 2
99 Temple St.	Contact Unsuccessful	Contact Unsuccessful	Contact Unsuccessful
101 Temple St.	Success answer.	N/A	Option 1
199 Acacia St.	Contact Unsuccessful	Success answer.	Option 2
197 Acacia St.	Contact Unsuccessful	Contact Unsuccessful	Contact Unsuccessful
195 Acacia St.	Contact Unsuccessful	Contact Unsuccessful	Contact Unsuccessful
193 Acacia St.	Contact Unsuccessful	Success answer.	Option 2
180 Wilbur St.	Contact Unsuccessful	Contact Unsuccessful	Contact Unsuccessful
178 Wilbur St.	Success answer.	N/A	Option 2

176 Wilbur St.	Contact Unsuccessful	Success answer.	No preference.
174 Wilbur St.	Contact Unsuccessful	Contact Unsuccessful	Contact Unsuccessful
172 Wilbur St.	Success answer.	N/A	Option 2
168 Wilbur St.	Contact Unsuccessful	Success answer.	Option 2
166A Wilbur St.	Contact Unsuccessful	Success answer.	Option 2
166B Wilbur St.	Contact Unsuccessful	Success answer.	Option 2
164 Wilbur St.	Contact Unsuccessful	Contact Unsuccessful	Contact Unsuccessful
162 Wilbur St.	Success answer.	N/A	Option 2
162A Wilbur St.	Success answer.	N/A	Option 2

Results:

ITEM	#	%
Total residents selecting option 2: The road crossing will be done over four consecutive night shifts, with no work on the 5th or remaining nights that week. – This option may allow completion of the crossing by the end of the second week of works.	27	75%
Total residents choose selecting option 1 The road crossing will be done over two consecutive night shifts, followed by one night off. – This option means we may be working near your property for up to four weeks.	6	16.6%
Total residents without preferences	3	8.3
Total of houses consulted	36	100%

Powering Sydney's Future

POTTS HILL TO ALEXANDRIA TRANSMISSION CABLE PROJECT COMMUNITY CONSULTATION

Out-of-hours work at Juno Parade, Greenacre

TransGrid is installing a new underground electricity cable from Potts Hill to Alexandria. The Powering Sydney's Future project will help ensure a safe, reliable and affordable electricity supply for Sydney's CBD and surrounding areas. You can view a map of the cable route at www.transgrid.com.au/psf.

At the intersection of **Juno Parade, Maiden Street and Acacia Avenue**, we will need to work outside standard construction hours due to high daytime traffic volumes. These works will generate noise. The loudest activities will be saw cutting and hammering, followed by trenching, road restoration and tree trimming.

Out-of-hours work in this location is due to start in **October 2020 and will require around 8 shifts**.

How will the work affect you?

- > Out-of-hours work shifts are typically carried out between **7pm and 7am, Monday to Sunday**.
- > **There will be around 8 shifts** of out-of-hours construction work in total.
- > Highly noise intensive work will be done for three hours at a time, followed by one hour of respite.
- > We aim to do high impact noise activities before midnight wherever possible.
- > High impact noise typically occurs at the start and end of shifts, as we open up road pavement and then repair it.
- > Access to properties will be maintained at all times, unless we make alternative arrangements with you in advance.

Tell us your views

We would like your views on two different ways this work could be done:

- Option 1 - Two consecutive nights per week over four-five weeks, or
- Option 2 - Four consecutive nights per week over two-three weeks.

Please refer to the attached noise chart for typical noise levels from this type of work.

You are welcome to let the Powering Sydney's Future project team know which option you prefer by contacting us on **1800 955 588** or at psf@transgrid.com.au before **Tuesday, 13 October 2020**.

Please write **Juno Parade** in the subject line of your email to identify the road crossing.



Connect with us

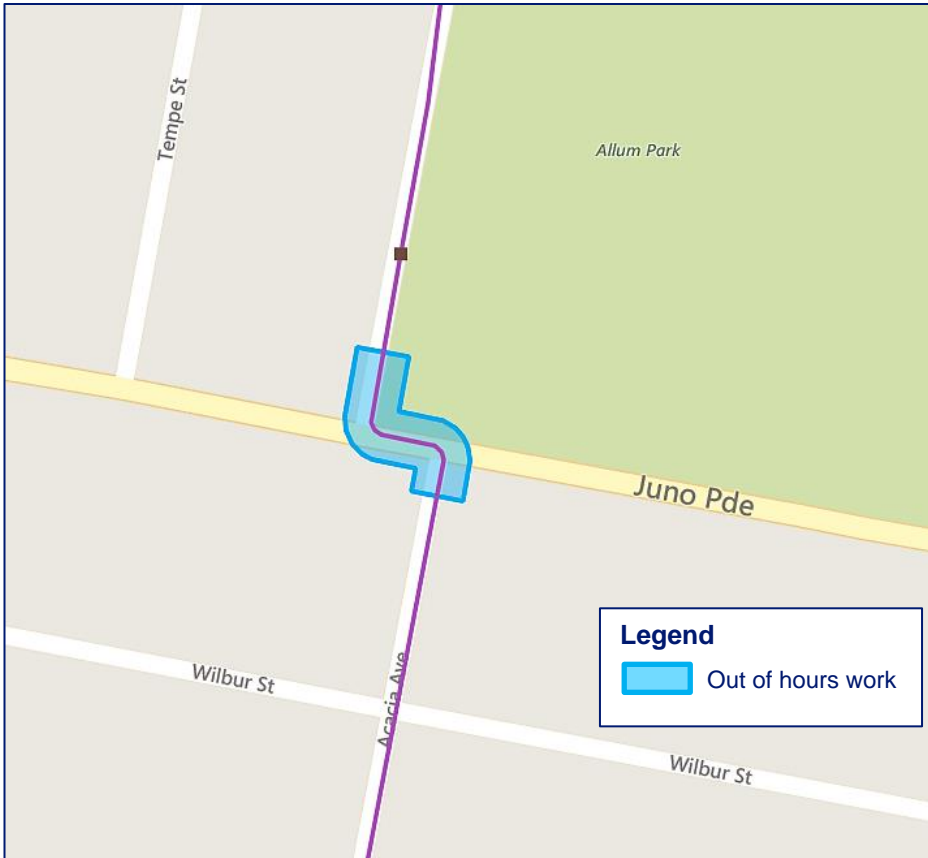
Community Information Line: 1800 955 588

Email: psf@transgrid.com.au

Web: www.transgrid.com.au/psf



Out-of-hours work map



		Approximately 8 shifts over the period below		
Noisy activities	Tools and equipment	October	November	December
Saw cutting and hammering, trenching, road restoration and tree trimming	Powered saw, excavator hammer and bucket, hand operated compactor and small roller, chainsaws	✓	✓	✓

COVID-19 Safety protocols

The health and safety of our people, customers and the community and ensuring a reliable supply of electricity to NSW and the ACT are our highest priorities during the COVID-19 crisis.

TransGrid and our contractors, as a minimum, adhere to the recommendations of SafeWork NSW along with the advice of other state and federal authorities to effectively manage the risk of COVID-19 to workers and others in the work environment. This involves maintaining effective controls including social distancing, stringent hygiene and specific access protocols at our work sites.



For an interpreter please call **131 450** and ask them to call TransGrid on **1800 955 588**. The interpreter will then assist you with translation.

**Connect
with us**

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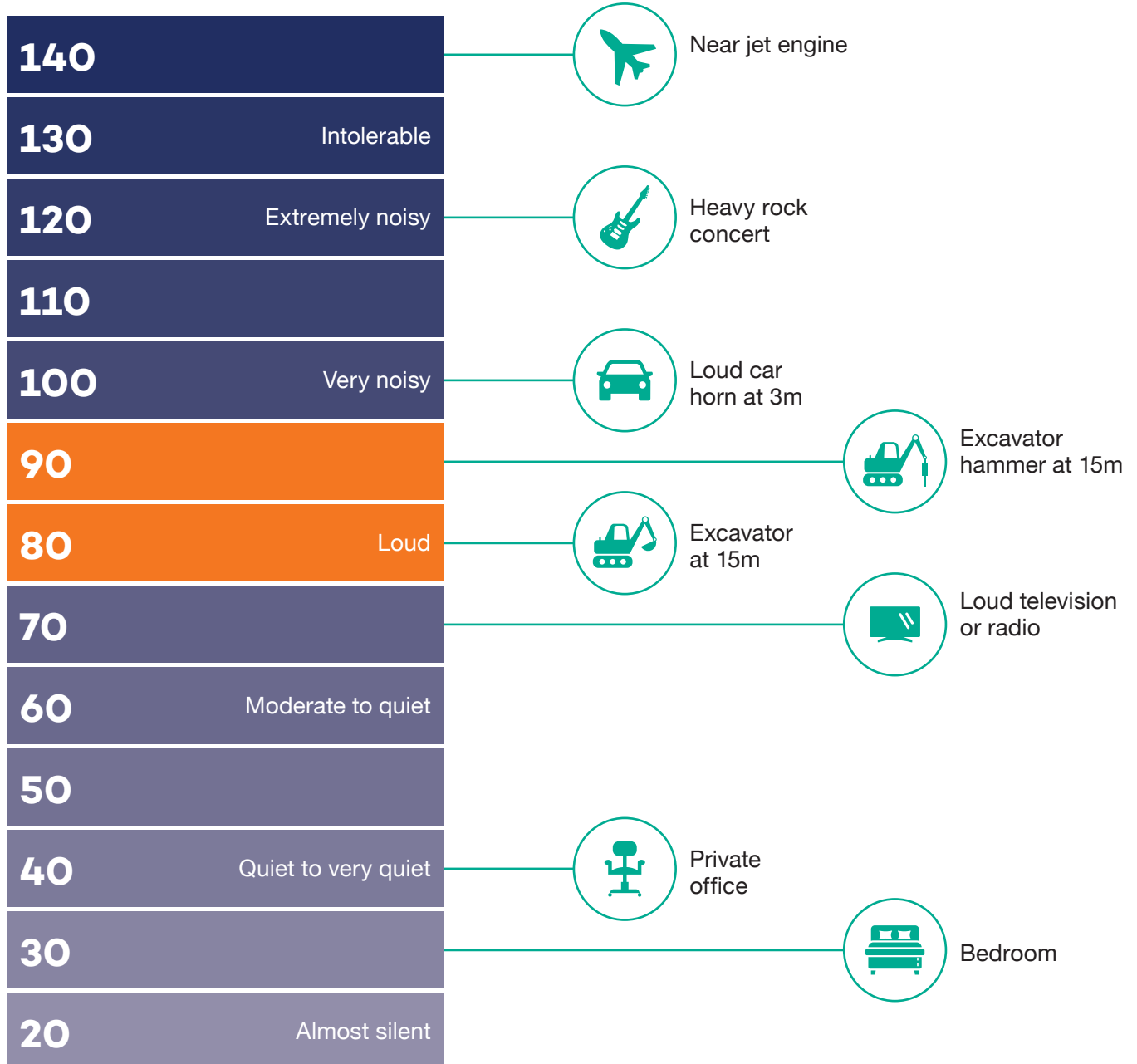
Noise level comparisons



People's perceptions of noise is strongly influenced by their environment.

A noise level that is perceived as loud in one situation may appear quiet in another.

dBa levels and subjective evaluation



Powering Sydney's Future

POTTS HILL TO ALEXANDRIA TRANSMISSION CABLE PROJECT COMMUNITY CONSULTATION

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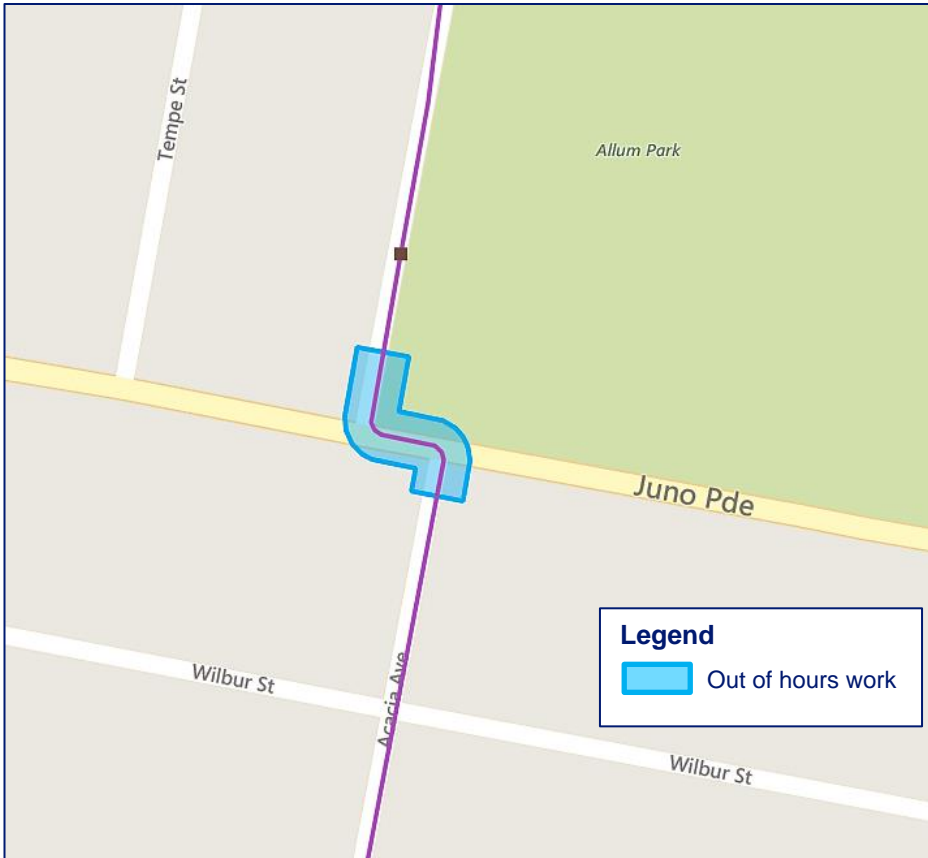
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dBa levels and subjective evaluation

