

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	David Coulter		

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	Works on Juno Parade Greenacre 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	Saw cutting	Excavation	Excavation			
		Concrete/ asphalt breakout	Concrete/ asphalt breakout	Conduit install	Conduit install			
		Excavation to carry out investigations.	Excavation	TSB backfill	TSB backfill			
		Temp restorations (Plates if required)	Temp restorations (Plates if required)	Temp restorations (Plates if required)	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
		Saw cutting	Excavation	Saw cutting	Excavation			
Excavation	Conduit install	Excavation	Conduit install					
Conduit install	TSB backfill	Conduit install	TSB backfill					
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Temp restorations (Plates if required)	Temp restorations (Plates if required)	Temp restorations (Plates if required)	Temp restorations (Plates if required)					
Shift 9 7pm- 6am		Shift 10 7pm-6am						
Moderate impact noise.		Moderate impact noise.						
Excavation		Excavation						
Conduit install		Conduit install						
TSB backfill		TSB backfill						
Temp restorations (Plates if required)		Temp restorations (Plates if required)						

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	Joe Berry – Trenching Supervisor
Subcontractor Details	Durkin (locating) Carrickshock (Sawcutting) Boral (concrete supply)

3.0 – SENSITIVE RECEIVERS






Distance to Nearest Sensitive Noise Receiver	Sensitive Receiver	Distance	Sensitive Receiver	Distance
	<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"> <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> </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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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> <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>																		

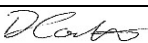
8.0 – OOHW RISK LEVEL ASSESSMENT

<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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AUTHORISATION

1. Environmental Manager					
<p>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	Tom Spillane	Signature		Date	13/10/2020
2. Planning Secretary					
<p>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	David Coulter	Signature		Date	13/10/2020

Attachment – Map of Works Location

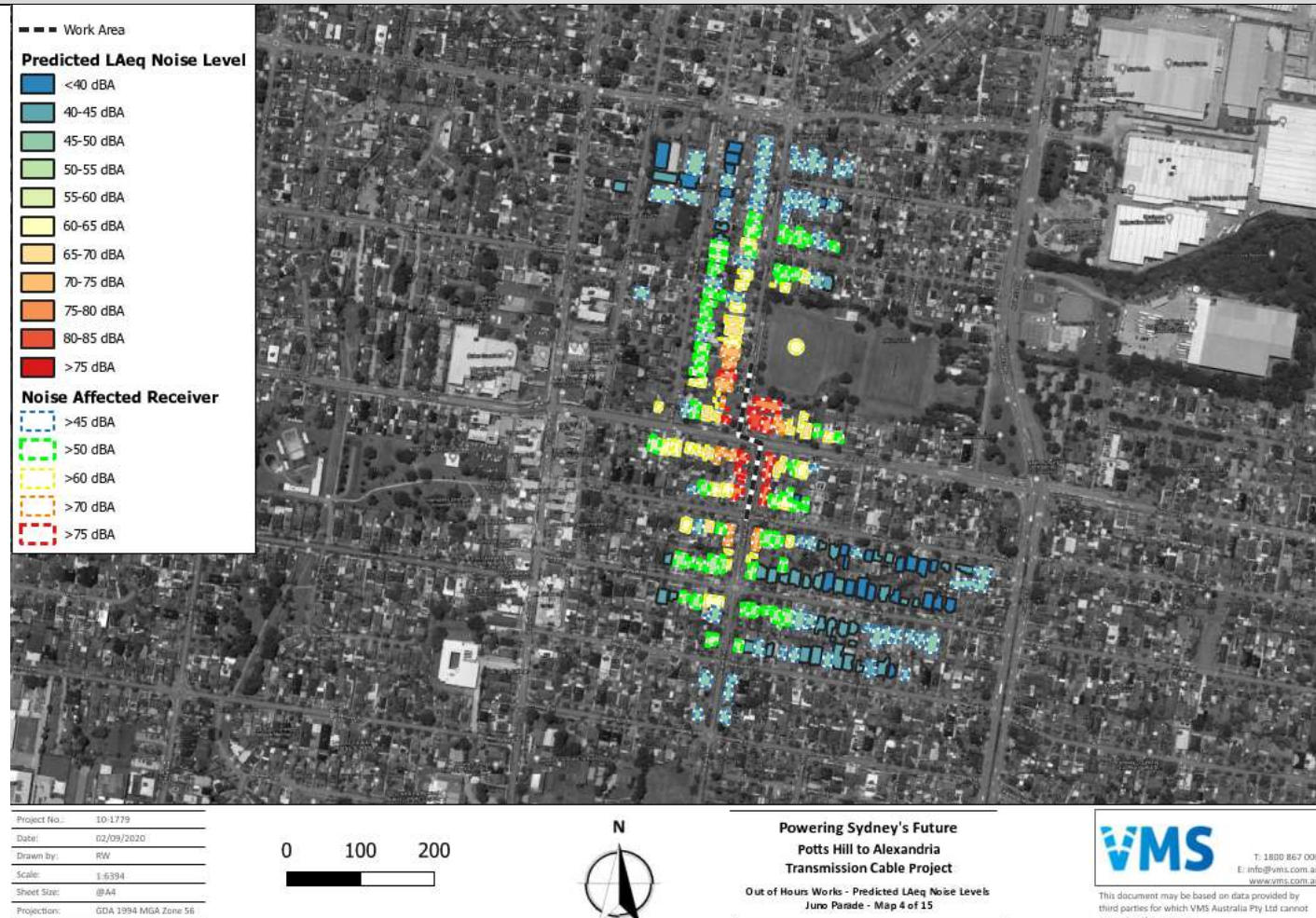


Figure 1: Extract from project OOHW CNVIS showing location at Juno Parade crossing from Maiden St to Acacia Ave and potentially impacted receivers.

Community consultation information attached separately with this application.

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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.



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

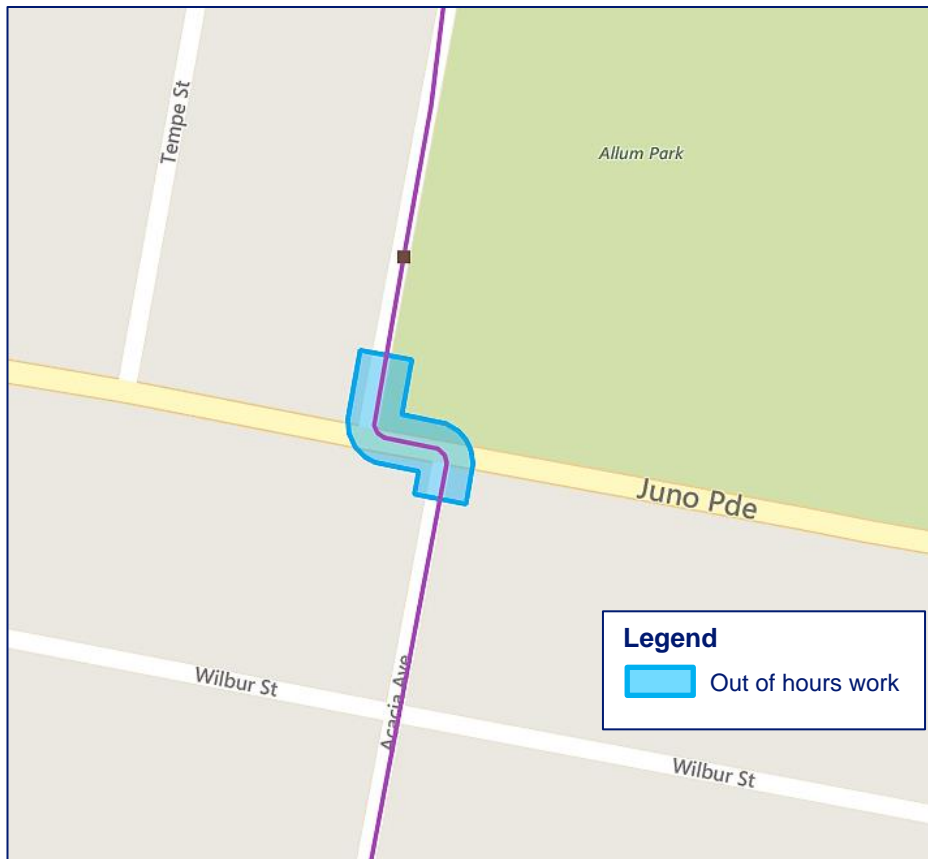
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Out-of-hours work map



		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.

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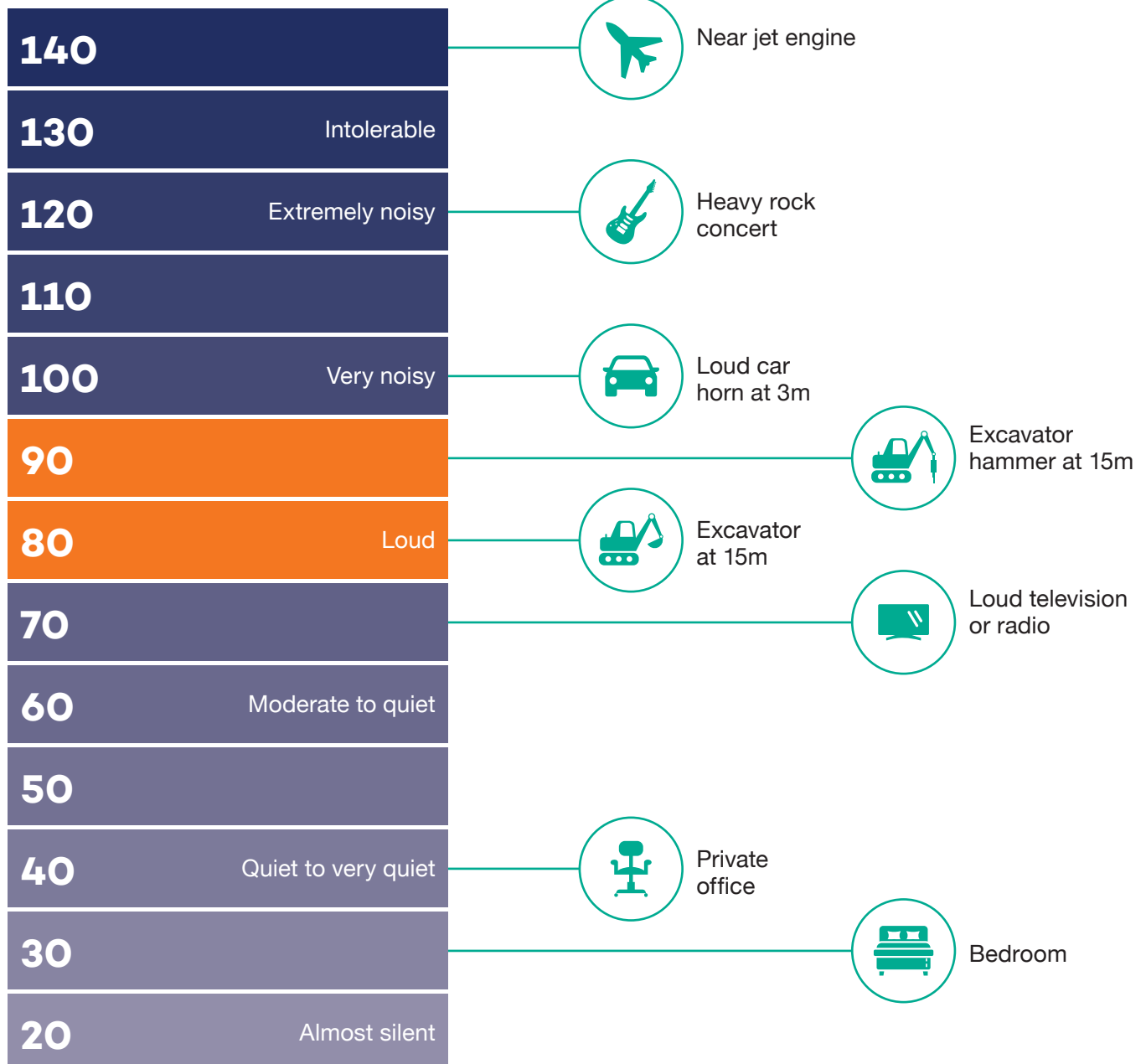
Noise level comparisons



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



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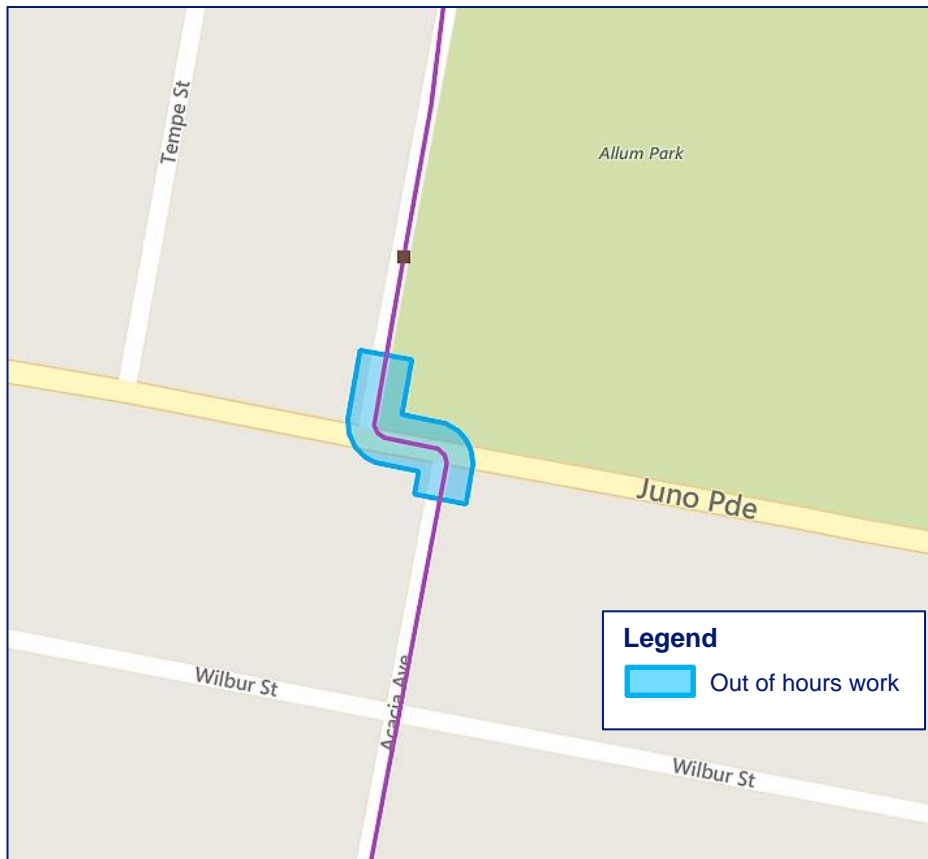
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