

PSF OUT-OF-HOURS WORK PERMIT

(For works conducted under DPIE approval)

Permit No.	PSF-OOHW-003		Application Date	25/11/2020
Revision No.	1		Revision Date	As above
Summary of Update (details of revision)	0	Initial application to allow works outside standard construction hours		
	1	Revised application to extend work period		
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	<i>Include additional details if required</i>
	The work is permitted under the following clause of DPIE Condition of Approval:
	E4 (c): Linear infrastructure – Works in classified road reserves and signalised intersections. E6 (c): works approved under an Out-of-Hours Work Protocol

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: 14/12/2020 @ 06:00 (Approximately 8-10 shifts in total. Max 4 shifts per week)
	Contingency dates + time	Start 14/11/2020 @ 19:00 Finish 21/12/2020 @ 06:00 (Approximately 3 shifts in total)

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 TSB backfill	Conduit install TSB backfill			
		Excavation to carry out investigations.	Excavation Conduit install	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					
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 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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Type of OOHW:	Saw cutting, concrete & asphalt breakout, Loading trucks. Install conduits. Backfill & restoration.											
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> <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>																		

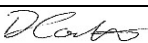
8.0 – OOHW RISK LEVEL ASSESSMENT

<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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Low 1 Risk Activity	1 - 6	Environment and Sustainability Manager											
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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	25/11/2020
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	25/11/2020

Attachment – Map of Works Location

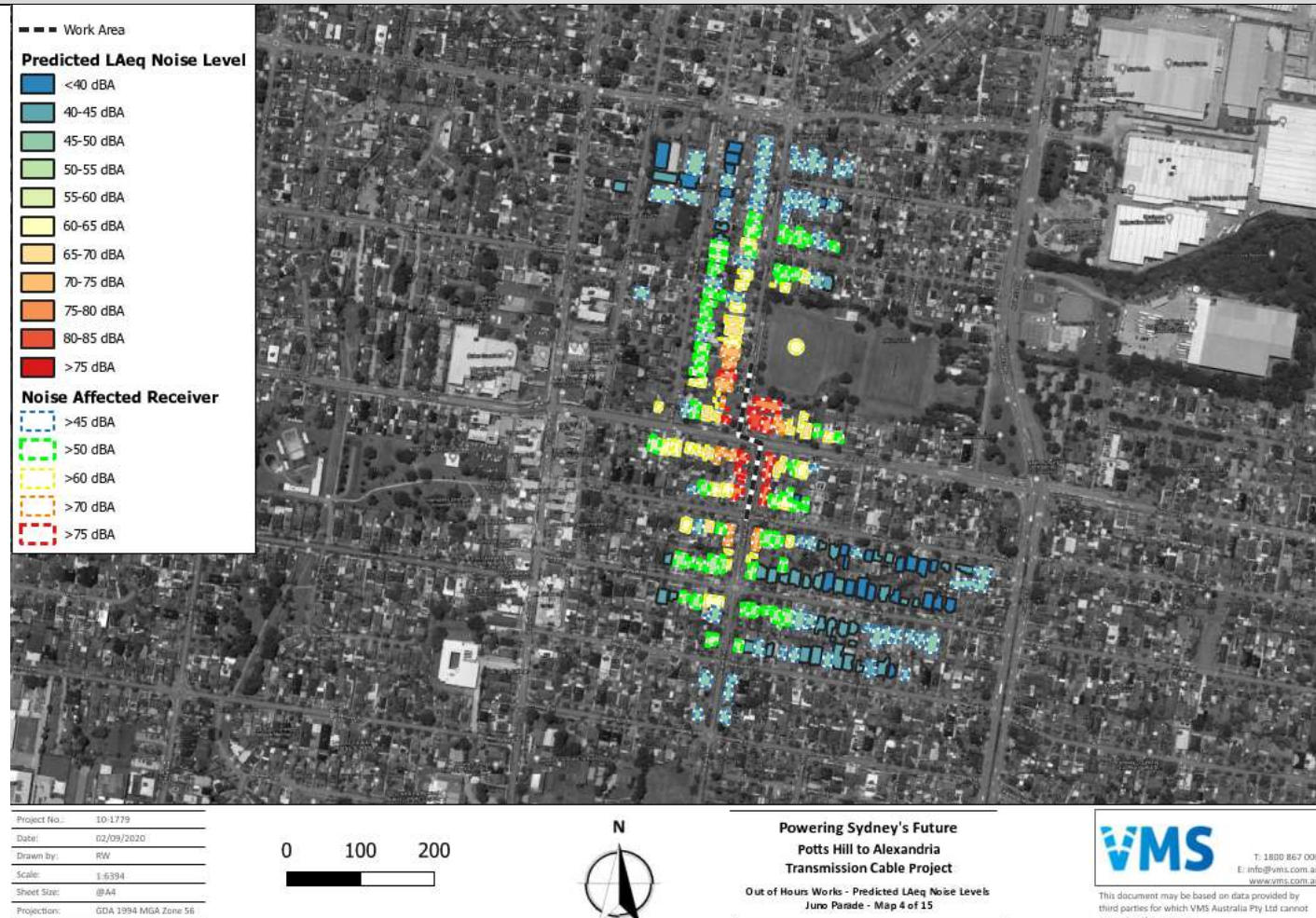


Figure 1: Extract from project OOHW CNVIS showing location at Juno Parade crossing from Maiden St to Acacia Ave and potentially impacted receivers.

Community consultation information attached separately with this application.

Powering Sydney's Future

POTTS HILL TO ALEXANDRIA TRANSMISSION CABLE PROJECT COMMUNITY NOTIFICATION

Out-of-hours trenching 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.

Out-of-hours trenching work at **Juno Parade, Greenacre** will start from **Monday, 9 November 2020**. This work needs to be completed at night due to high daytime traffic volumes.

Trenching is expected to progress at around 20 metres per shift, weather and ground conditions permitting. Work will take approximately 10 shifts to complete.

Work activities

- > Delivering plant and equipment to site.
- > Limited tree trimming may be required to create a safe distance from plant and equipment. This work will be done by a trained arborist.
- > Cutting the road surface with a concrete saw.
- > Digging a trench about two metres wide using an excavator.
- > Installing conduits (pipes) in the trench.
- > Backfilling the trench and covering it with steel plates.
- > Temporarily restoring the road surface to allow normal traffic flow.

Our team will return to permanently restore the road at a later date after the new cable has been installed. We will write to you again before this work.

Work hours

Out-of-hours work will be carried out from **7pm – 5am, Monday to Sunday**.

How will the work affect you?

- > **Maiden Street and Acacia Avenue will be temporarily closed** to through traffic during the work. Traffic detours and traffic control will be in place for the safety of workers and road users. Maiden Street and Acacia Avenue will remain open to local residents under traffic control.
- > The work will generate some noise, which we will make every effort to keep to a minimum. We aim to undertake high impact noise activities before midnight wherever possible. Work will take place on no more than four consecutive nights.
- > There will be a temporary loss of street parking of around 100 metres while trenching is in progress.
- > Road users may experience temporary delays in accessing local properties.
- > There may be temporary closures of footpaths and cycleways, however we will always provide an alternative route.
- > If we anticipate that your driveway access may be disrupted, we will inform you in advance and discuss arrangements.

Contact us

If you have any questions or concerns, please contact the Powering Sydney's Future project team on 1800 955 588, or at psf@transgrid.com.au.



Connect with us

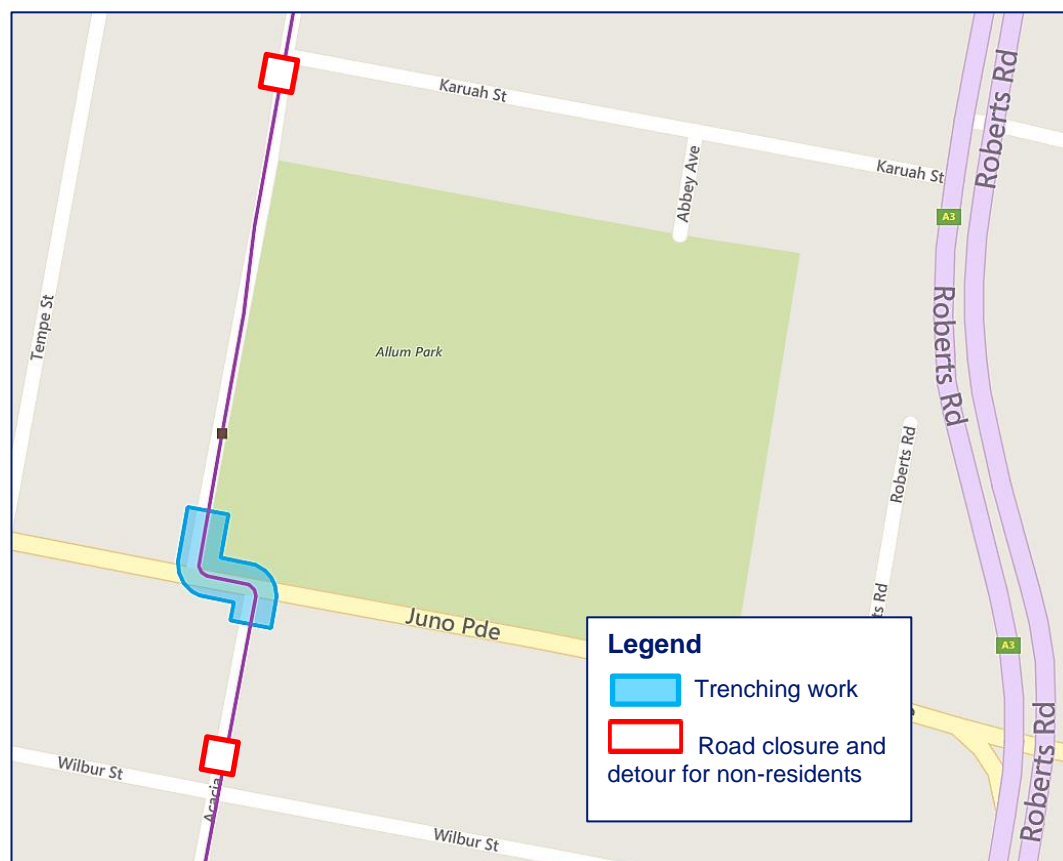
Community Information Line: 1800 955 588

Email: psf@transgrid.com.au

Web: www.transgrid.com.au/psf



Location of trenching work



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**

Please visit our website: www.transgrid.com.au/psf or contact the Powering Sydney's Future project team:
Community Information Line: **1800 955 588** Email: psf@transgrid.com.au

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.



Out of Hours Work

Activity Works	Activity / Impact	Time
Linear Infrastructure - Site preparation, trenching, excavation, joint bays, restoration of road services, other <input type="checkbox"/>	Delivery and Police <input type="checkbox"/>	Monday - Friday 7am - 6pm <input type="checkbox"/>
Substation Upgrade Works <input type="checkbox"/>	Emergency <input type="checkbox"/>	Monday - Friday 6pm - 7am <input checked="" type="checkbox"/>
Linear Infrastructure - Works in Classified Road Reserves and Signalised intersections, cable pulling and jointing <input checked="" type="checkbox"/>	Approved under Existing OOHW protocol <input type="checkbox"/>	Saturday 8am - 1pm <input type="checkbox"/>
Special crossings - Cable bridges and underboring <input type="checkbox"/>	> 75dBA COA E5 <input checked="" type="checkbox"/>	Saturday 1pm - 8am <input type="checkbox"/>
Construction Laydown Area <input type="checkbox"/>	>RBL + 5dBA <input type="checkbox"/>	Sundays and Public Holidays <input type="checkbox"/>
	<=45 NML <input type="checkbox"/>	
	> 45 NML <input type="checkbox"/>	
	Vibration perceptible inside Residence <input type="checkbox"/>	

OOHW Protocol is Triggered!!!

Receiver type	Day OOHW 7am - 6pm	Evening OOHW 6pm - 10pm	Night OOHW 10pm - 7am	Notes
Childcare	<input type="radio"/> Low (1)	<input type="radio"/> Low (1)	<input type="radio"/> Low (1)	Not Operating during OOH
Commercial	<input type="radio"/> Low (1)	<input type="radio"/> Low (1)	<input type="radio"/> Low (1)	Sensitivity of Premises to be confirmed through consultation
Industrial	<input type="radio"/> Low (1)	<input type="radio"/> Low (1)	<input type="radio"/> Low (1)	Sensitivity of Premises to be confirmed through consultation
Educational	<input type="radio"/> Low (1)	<input type="radio"/> Low (1)	<input type="radio"/> Low (1)	Not operating during OOH
Hotel	<input type="radio"/> Low (1)	<input type="radio"/> Low (1)	<input type="radio"/> Mod (2)	Sensitivity of Premises to be confirmed through consultation
Medical	<input type="radio"/> Low (1)	<input type="radio"/> Low (1)	<input type="radio"/> Low (1)	Sensitivity of Premises to be confirmed through consultation
Place of Worship	<input type="radio"/> Mod (2)	<input type="radio"/> Mod (2)	<input type="radio"/> Low (1)	Sensitivity of Premises to be confirmed through consultation
Recording Studio	<input type="radio"/> Mod (2)	<input type="radio"/> Mod (2)	<input type="radio"/> Low (1)	Sensitive periods during operational periods as agreed with facility through consultation
Recreation (active)	<input type="radio"/> Low (1)	<input type="radio"/> Low (1)	<input type="radio"/> Low (1)	Sensitive periods during normal periods of use and review of special events calendar

Recreation (Passive)	<input type="radio"/> Mod (2)	<input type="radio"/> Low (1)	<input type="radio"/> Low (1)	Sensitive periods during normal periods of use and review of special events calendar
Residential	<input type="radio"/> Low (1)	<input type="radio"/> Mod (2)	<input checked="" type="radio"/> High (3)	Risk subject to complaints management. Respite periods to be consulted for Highly Noise Intensive Works
Restaurant (Outdoor Dining)	<input type="radio"/> Mod (2)	<input type="radio"/> Mod (2)	<input type="radio"/> Mod (2)	Sensitivity of premises to be confirmed through consultation

Exceedance of NML	Day OOHW 7am - 6pm	Evening OOHW 6pm - 10pm	Night OOHW 10pm - 7am	Qualitative Description
<5dB	<input type="radio"/> Low (1)	<input type="radio"/> Low (1)	<input type="radio"/> Low (1)	Barely noticeable exceedance of the NML
5 - 15 dB	<input type="radio"/> Low (1)	<input type="radio"/> Low (1)	<input type="radio"/> Mod (2)	Noticeably audible exceedance of the NML
15 - 25 dB	<input type="radio"/> Low (1)	<input type="radio"/> Mod (2)	<input type="radio"/> Mod (2)	Clearly audible exceedance of the NML
>25 dB	<input type="radio"/> Mod (2)	<input type="radio"/> High (3)	<input type="radio"/> High (3)	Intrusive exceedance of the NML
>75 dBA	<input type="radio"/> Mod (2)	<input type="radio"/> High (3)	<input checked="" type="radio"/> High (3)	Highly affected receivers

Vibration Assessment in Residential Areas (click here if Not Applicable) <input type="radio"/>	Day OOHW 7am - 6pm	Evening OOHW 6pm - 10pm	Night OOHW 10pm - 7am	Qualitative Description
Less than Preferred	<input type="radio"/> Low (1)	<input type="radio"/> Low (1)	<input type="radio"/> Low (1)	No noticeable floor vibration
Greater than Preferred, but Less than Maximum	<input type="radio"/> Low (1)	<input type="radio"/> Mod (2)	<input checked="" type="radio"/> Mod (2)	Barely noticeable floor vibration
Greater than Maximum	<input type="radio"/> Low (1)	<input type="radio"/> Mod (2)	<input type="radio"/> High (3)	Noticeable floor vibration

Duration	Day OOHW 7am - 6pm	Evening OOHW 6pm - 10pm	Night OOHW 10pm - 7am	Qualitative Description
1 day	<input type="radio"/> Low (1)	<input type="radio"/> Low (1)	<input type="radio"/> Low (1)	Generally Tolerable
2 days	<input type="radio"/> Low (1)	<input type="radio"/> Mod (2)	<input type="radio"/> Mod (2)	Marginal Annoyance
3 days	<input type="radio"/> Low (1)	<input type="radio"/> Mod (2)	<input type="radio"/> High (3)	Moderate Annoyance
More than 3 days	<input type="radio"/> Low (1)	<input type="radio"/> High (3)	<input checked="" type="radio"/> High (3)	Highly Disturbing

[Get Risk Score](#)

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

Your total Risk score is:

11